

ERIC REPORT RESUME

ERIC ACC. NO. ED 032 443				IS DOCUMENT COPYRIGHTED?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
CH ACC. NO. AA 000 407	P.A.	PUBL. DATE Jul 69	ISSUE SUMMER 70	ERIC REPRODUCTION RELEASE?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
				LEVEL OF AVAILABILITY	I <input checked="" type="checkbox"/>	II <input type="checkbox"/>
AUTHOR						
TITLE Science Education Information Report, General Bibliography Series 24, Curriculum.						
SOURCE CODE RUF24927	INSTITUTION (SOURCE) ERIC Information Analysis Center for Science Education, Columbus, Ohio					
SP. AG. CODE	SPONSORING AGENCY					
EDRS PRICE 0.50;6.35	CONTRACT NO.			GRANT NO.		
REPORT NO.				BUREAU NO.		
AVAILABILITY						
JOURNAL CITATION						
DESCRIPTIVE NOTE 125p.						
DESCRIPTORS *Bibliographies; *Curriculum; *Curriculum Development; Inservice Education; *Science Education; Conservation Education; Curriculum Guides; College Science; Elementary School Science; International Education; Integrated Curriculum; *Mathematics Education; Outdoor Education; Secondary School Science; Teaching Guides; Teacher Education						
IDENTIFIERS						
ABSTRACT This is the fourth in the third series of general bibliographies developed to disseminate information on documents analyzed at the ERIC Information Analysis Center for Science Education. Reported are some 460 citations of selected documents related to curriculum and curriculum development in science and mathematics education. The documents included represent research reports, research reviews, manuals, textbooks, and other types. Citations are listed in alphabetical order by author and indicate sources, availability, and major ideas of the document. This bibliography updates, but does not replace, general bibliography 4 (ED 017 473) and general bibliography 3 (ED 026 280) produced earlier by this Center. (RH)						

ED 032 443



**GENERAL BIBLIOGRAPHY SERIES
BIBLIOGRAPHY 24
CURRICULUM**

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION

THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE
PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS
STATED DO NOT NECESSARILY REPRESENT OFFICIAL OFFICE OF EDUCATION
POSITION OR POLICY.

SEIAC/SCIENCE EDUCATION INFORMATION ANALYSIS CENTER

... an information center to organize and disseminate information and materials on science education to teachers, administrators, supervisors, researchers, and the public. A joint project of The Ohio State University and the Educational Resources Information Center of USOE.

AA 000 407

SCIENCE EDUCATION INFORMATION REPORT

**GENERAL BIBLIOGRAPHY SERIES
BIBLIOGRAPHY 24
CURRICULUM**

**ERIC Information Analysis Center
for Science Education
1460 West Lane Avenue
Columbus, Ohio 43210**

July, 1969

BIBLIOGRAPHY 24

Table of Contents	Page
A. Science Education	1
B. Mathematics Education	81
C. General	104
D. Author Index	109
E. Unauthored Articles	115

SCIENCE EDUCATION INFORMATION REPORTS

The Science Education Information Reports are being developed to disseminate information concerning documents analyzed at the ERIC Information Analysis Center for Science Education. The Reports include five types of publications. General Bibliographies are being issued to announce most documents processed by the Information Analysis Center for Science Education. These bibliographies are categorized by topics and indicate the availability of the document and the major ideas included in the document. Special Bibliographies are being developed to announce availability of documents in selected interest areas. These bibliographies will list most significant documents that have been published in the interest area. Guides to Resource Literature for Science Teachers are bibliographies that identify references for the professional growth of teachers at all levels of science teaching. This series will include six separate publications. State-of-the-Art Papers will be issued periodically to indicate implications of research for science teaching. Research Reviews will be issued to analyze and synthesize research related to science education over a period of several years.

The Science Education Information Reports will be announced in the SEIAC Newsletter as they become available.

GENERAL BIBLIOGRAPHIES

The General Bibliographies are being developed to announce the documents acquired and processed by the ERIC Information Analysis Center for Science Education. The bibliographies will focus on general topics. This bibliography announces most documents related to the topic that were included in the third 2,000 documents processed by this Center. It supplements General Bibliography 4 and 14. Additional supplements will be issued as documents are processed.

USING BIBLIOGRAPHIC CITATIONS

All documents are listed by similar bibliographic citations. A sample citation is explained for your convenience. You will find it helpful to study the explanation of the sample citation before using this bibliography.

SAMPLE OF BIBLIOGRAPHIC CITATION

- (1) SE 004 904 (2) 3 (3) 10 31 15
(4) HELGESON, STANLEY L.
(5) LESSON PLANS AND TESTS OF KNOWLEDGE, COMPREHENSION, AND APPLICATION FOR
INSTRUCTION IN CONCEPTS OF FORCE, GRADES 2-6
(6) UNIVERSITY OF WISCONSIN, MADISON, RESEARCH AND DEVELOPMENT CENTER
(7) EDRS
(8) ED 020 907 MF \$0.25 HC \$2.35
(9) 03 00 58 (10) 45
(11) *ELEMENTARY SCHOOL SCIENCE, *FORCES (PHYSICAL), *INSTRUCTION, *PHYSICS, *TEACHING
GUIDES, ACADEMIC ACHIEVEMENT, COGNITIVE PROCESSES, CONCEPT FORMATION, EVALUATION,
LEARNING, PHYSICAL SCIENCES, TESTS, RESEARCH REPORTS
-

EXPLANATION OF BIBLIOGRAPHIC CITATION

- (1) SE 004 904

This is the Science Education Center's identification number for the document. It serves as the name for the document and provides a way of locating the material.

- (2) 3

This field indicates the level of processing of the document.

- 1--cataloged and indexed
- 2--cataloged, indexed, and annotated or abstracted
- 3--announced in Research in Education

- (3) 10 31 15

Field three is a code for developing bibliographies. By using this code several kinds of bibliographies can be structured by retrieval specialists or by computer programs.

- (4) HELGESON, STANLEY L.

The principal author, editor, or organization associated with the writing of the document is listed.

- (5) LESSON PLANS AND TESTS OF KNOWLEDGE, COMPREHENSION, AND APPLICATION FOR
INSTRUCTION IN CONCEPTS OF FORCE, GRADES 2-6

Title of document.

(6) UNIVERSITY OF WISCONSIN, MADISON, RESEARCH AND DEVELOPMENT CENTER

This indicates where the document was obtained by the Center.

(7) EDRS

Field seven indicates the source of the document. If the document is available from the ERIC Document Reproduction Service (EDRS) it can be ordered.

(8) ED 020 537 MF \$0.25 HC \$2.35

If a document is announced in Research in Education, the ED number of the document is indicated in this space. If the document is available from EDRS the price of the document is also indicated in this field. MF indicates microfiche and HC indicates hardcopy. This document would cost \$0.25 in microfiche or \$2.35 in hardcopy.

(9) 03 00 68

This field designates the publication date of the document (March, 1968). The first set of two numerics represents the month; the second, the day of the month; and the third, the year. In most cases the date is obtained from the document. In a few cases, when no date of publication is on the document, the date is estimated based on the best information available in the document.

(10) 45

Field ten identifies the number of pages in the document. This document contains 45 pages. Use of this field will provide information concerning the length of the document.

(11) *ELEMENTARY SCHOOL SCIENCE, *FORCES (PHYSICAL), *INSTRUCTION, *PHYSICS, *TEACHING GUIDES, ACADEMIC ACHIEVEMENT, COGNITIVE PROCESSES, CONCEPT FORMATION, EVALUATION, LEARNING, PHYSICAL SCIENCES, TESTS, RESEARCH REPORTS

This field provides an indication of the ideas included in the document. Each term, such as *INSTRUCTION, has been selected by an information analyst because the term is important for the identification of the document; the other terms represent ideas of lesser importance. You can use this information to narrow the number of documents you want to review.

6. SE 005 052 1 03 33 32
 ADVISORY COUNCIL ON COLLEGE CHEMISTRY
 NEWSLETTER NUMBER 10
 ADVISORY COUNCIL ON COLLEGE CHEMISTRY, PALO ALTO, CALIFORNIA
 08 00 57 8
 *AUDIOVISUAL AIDS, *COLLEGE SCIENCE, *CHEMISTRY, *INSTRUCTION, AUDIOTUTORIAL
 SYSTEMS, COMMUNITY COLLEGES, EDUCATIONAL TELEVISION, EDUCATIONAL PROGRAMS,
 COMPUTER ASSISTED INSTRUCTION, SCIENCE FACILITIES, NEWSLETTERS, TEACHING
 TECHNIQUES, TEACHING AIDS, MIT, UNIVERSITY OF ARIZONA, UNIVERSITY OF TEXAS,
 SIMON FRASER UNIVERSITY (BRITISH COLUMBIA), ORAL ROBERTS UNIVERSITY,
 MERAMER COMMUNITY COLLEGE, OAKLAND COMMUNITY COLLEGE
7. SE 005 054- 1 02 25 32
 ADVISORY COUNCIL ON COLLEGE CHEMISTRY
 NEWSLETTER NUMBER 12
 ADVISORY COUNCIL ON COLLEGE CHEMISTRY, PALO ALTO, CALIFORNIA
 01 00 68 8
 *COLLEGE SCIENCE, *CHEMISTRY, *CURRICULUM, INSTRUCTIONAL FILMS, NEWSLETTERS,
 SCIENCE COURSE IMPROVEMENT PROJECT, TEACHER EDUCATION, UNDERGRADUATE STUDY
8. SE 005 051 1 02 23 32
 ADVISORY COUNCIL ON COLLEGE CHEMISTRY
 NEWSLETTER NUMBER 14
 ADVISORY COUNCIL ON COLLEGE CHEMISTRY, PALO ALTO, CALIFORNIA
 05 00 68 8
 *COLLEGE SCIENCE, *CHEMISTRY, EDUCATIONAL PROGRAMS, FILMS, INSTRUCTION,
 LABORATORY SAFETY, NEWSLETTERS, SCIENCE FACILITIES, SCIENCE ACTIVITIES
9. SE 004 150 1 02 51 15
 AKRON PUBLIC SCHOOLS
 SPACE UNIT - GRADE FOUR
 AKRON PUBLIC SCHOOLS, OHIO
 63 85
 *ASTRONOMY, *BIBLIOGRAPHIES, *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL
 SCIENCE, *GRADE 4, *INSTRUCTIONAL MATERIALS, *TEACHING GUIDES, SCIENCE
 ACTIVITIES, AKRON, OHIO
10. SE 005 419 3 02 75 16
 ALASKA STATE DEPARTMENT OF EDUCATION
 SCIENCE CURRICULUM GUIDELINES GRADES K-12
 ALASKA STATE DEPARTMENT OF EDUCATION, JUNEAU
 EDRS
 ED 022 711 MF \$0.50 HC \$3.95
 67 77
 *CURRICULUM GUIDES, *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE,
 *SECONDARY SCHOOL SCIENCE, COURSE DESCRIPTIONS, COURSE OBJECTIVES, CONCEPTUAL
 SCHEMES, TEACHING GUIDES, UNIFIED SCIENCE, STATE DEPARTMENT OF
 EDUCATION, ALASKA

11. SE 005 707 1 03 23 17
 ALPERN, D. K.
 IN PLACE OF RECITATIONS - AN EXPERIMENT IN TEACHING
 TEACHERS COLLEGE RECORD
 05 00 66 6
 *ACADEMIC ACHIEVEMENT, *COLLEGE SCIENCE, *CHEMISTRY, *INDEPENDENT STUDY,
 *INSTRUCTION, CURRICULUM DEVELOPMENT, EDUCATIONAL PROGRAMS, RESEARCH
 REPORTS, STUDENT ATTITUDES, BROOKLYN COLLEGE, 1966
12. SE 005 187 3 02 62 17
 AMEND, JOHN ROBERT
 DEVELOPMENT, IMPLEMENTATION, AND PRELIMINARY EVALUATION OF AN INTEGRATED
 ADVANCED PHYSICAL SCIENCE LABORATORY BLOCK PROGRAM AT THE HIGH SCHOOL LEVEL
 UNIVERSITY OF TEXAS, AUSTIN
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 ED 024 590 NOT AVAILABLE FROM EDRS
 67 510
 *CURRICULUM DEVELOPMENT, *PHYSICAL SCIENCES, *SECONDARY SCHOOL SCIENCE,
 ABLE STUDENTS, DOCTORAL THESES, SCIENCE COURSES, SCIENCE INSTITUTES,
 NATIONAL SCIENCE FOUNDATION, UNITED STATES ATOMIC ENERGY COMMISSION, UNITED
 STATES OFFICE OF EDUCATION, 1967
13. SE 005 436 1 02 13 17
 ANDEREGG, D.; KELLER, E. C.
 A SURVEY OF INTRODUCTORY BIOLOGY COURSES AND STAFFING IN DEPARTMENTS OF
 BIOLOGY, BOTANY, AND ZOOLOGY
 JOURNAL OF BIOLOGICAL EDUCATION
 06 00 68 14
 *BIOLOGY, *COLLEGE SCIENCE, *STAFF UTILIZATION, BOTANY, COURSE CONTENT,
 RESEARCH REPORTS, SCIENCE COURSES, STUDENT ENROLLMENT, UNDERGRADUATE
 STUDY, ZOOLOGY, 1968
14. SE 004 704 1 03 92 29
 ANDERSON, JAY E.; JACOBSON, NORMAN
 ENVIRONMENTAL LEARNING - AN EXPERIMENTAL SUMMER PROGRAM
 THE SCIENCE TEACHER
 04 00 68 3
 *BIOLOGY, *ECOLOGY, *EDUCATIONAL PROGRAMS, *SECONDARY SCHOOL SCIENCE,
 *SUMMER PROGRAMS, CURRICULUM DEVELOPMENT, CONSERVATION EDUCATION, EARTH
 SCIENCE, OUTDOOR EDUCATION, PROGRAM DESCRIPTIONS, ELEMENTARY SECONDARY
 EDUCATION ACT, TITLE III

15. SE 004 208 1 03 12 29
 ANDERSON, NORRIS A.
 NUFFIELD FOUNDATION BIOLOGY - A REVIEW
 THE AMERICAN BIOLOGY TEACHER
 01 00 68 3
 *BIOLOGY, *EDUCATIONAL PROGRAMS, *INTERNATIONAL EDUCATION, *SCIENCE COURSE
 IMPROVEMENT PROJECT, *SECONDARY SCHOOL SCIENCE, INSTRUCTIONAL MATERIALS,
 PROGRAM DESCRIPTIONS, NUFFIELD FOUNDATION BIOLOGY, ENGLAND
16. SE 005 613 1 03 22 29
 ARLOTTO, ROY J.
 A LABORATORY SEQUENCE FOR ADVANCED PLACEMENT HIGH SCHOOL CHEMISTRY
 THE SCIENCE TEACHER
 10 00 68 3
 *ADVANCED COURSES, *CHEMISTRY, *EDUCATIONAL PROGRAMS, *SECONDARY SCHOOL
 SCIENCE, ABLE STUDENTS, CURRICULUM DEVELOPMENT, LABORATORY ACTIVITIES,
 PROGRAM DESCRIPTIONS, SCIENCE ACTIVITIES, LOUIS E. DIERUFF HIGH SCHOOL,
 ALLENTOWN, PENNSYLVANIA, 1968
17. SE 005 428 1 03 13 17
 ASHDOWN, R. R.
 THE PREVIOUS TRAINING OF THE FRESHMAN VETERINARY STUDENT IN MAMMALIAN
 ANATOMY AND PHYSIOLOGY
 JOURNAL OF BIOLOGICAL EDUCATION
 03 00 68 6
 *ANATOMY, *COLLEGE SCIENCE, *PHYSIOLOGY, *UNDERGRADUATE STUDY, COLLEGE
 PREPARATION, EDUCATIONAL PROGRAMS, SCIENCE COURSES, SURVEYS, VETERINARY
 MEDICINE, ENGLAND, BRISTOL
18. SE 004 761 1 02 86 20
 ATKIN, J. MYRON
 BEHAVIORAL OBJECTIVES IN CURRICULUM DESIGN - A CAUTIONARY NOTE
 THE SCIENCE TEACHER
 05 00 68 4
 *BEHAVIORAL OBJECTIVES, *CURRICULUM PLANNING, *LEARNING, OBJECTIVES, RESEARCH,
 NEW YORK STATE REGENTS EXAMINATIONS, AMERICAN ASSOCIATION FOR THE ADVANCEMENT
 OF SCIENCE

19. SE 004 689 3 02 82 15
 BADAR, LAWRENCE J.
 INTRODUCTION TO QUANTITATIVE SCIENCE, A NINTH-GRADE LABORATORY-CENTERED
 COURSE STRESSING QUANTITATIVE OBSERVATION AND MATHEMATICAL ANALYSIS OF
 EXPERIMENTAL RESULTS
 ROCKY RIVER PUBLIC SCHOOLS, OHIO
 EDRS
 ED 024 566 MF \$1.00 HC \$11.10
 02 00 68 220
 *CURRICULUM DEVELOPMENT, MEASUREMENT, *PHYSICAL SCIENCES, SCIENCE ACTIVITIES,
 *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES, *UNIFIED SCIENCE, GRADE 9,
 MATHEMATICS, PROBLEM SOLVING, BIOLOGICAL SCIENCES CURRICULUM STUDY, CHEMICAL
 EDUCATION MATERIALS STUDY, PHYSICAL SCIENCE STUDY COMMITTEE
20. SE 004 723 3 03 95 29
 BAEZ, ALBERT V.
 ACTIVITIES OF THE DIVISION OF SCIENCE TEACHING OF UNESCO, PAPER PRESENTED
 AT AAAS MEETING
 EDRS
 ED 020 139 MF \$0.25 HC \$0.85
 12 00 67 15
 *CURRICULUM, *EDUCATIONAL PROGRAMS, *IMPROVEMENT PROGRAMS, *INTERNATIONAL
 EDUCATION, *INTERNATIONAL ORGANIZATIONS, *PROGRAM DESCRIPTIONS, *SCIENCE
 EDUCATION, BIOLOGY, CHEMISTRY, COLLEGE SCIENCE, DEVELOPING NATIONS, INSTRUC-
 TIONAL MATERIALS, MATHEMATICS, PHYSICS, SECONDARY SCHOOL SCIENCE, UNITED
 NATIONS, LATIN AMERICA, ASIA, AFRICA, UNITED NATIONS DEVELOPMENT PROGRAM,
 UNESCO, DIVISION OF SCIENCE TEACHING
21. SE 005 733 1 02 23 20
 BAILEY, WILLIAM J.
 POLYMER CHEMISTRY IN THE UNDERGRADUATE CURRICULUM - SYMPOSIUM
 JOURNAL OF CHEMICAL EDUCATION
 08 00 68 3
 *CHEMISTRY, *COLLEGE SCIENCE, *CURRICULUM, *ORGANIC CHEMISTRY, GRADUATE
 STUDY, INDUSTRIAL TRAINING, POLYMER CHEMISTRY, UNDERGRADUATE STUDY, UNDER-
 GRADUATE COURSES
22. SE 004 260 3 02 13 06
 BAKER, JEFFREY J. W.
 BIOLOGY IN A LIBERAL EDUCATION
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES,
 WASHINGTON, D.C.
 EDRS
 ED 017 474 MF \$0.25 HC \$2.70
 02 00 67 52
 *BIOLOGY, *CURRICULUM PLANNING, *COLLEGE SCIENCE, *CONFERENCE REPORTS,
 *COURSE CONTENT, *COURSE ORGANIZATION, *GENERAL EDUCATION, *UNDERGRADUATE
 STUDY, EDUCATIONAL OBJECTIVES, INTEGRATED CURRICULUM, SECONDARY SCHOOL
 SCIENCE, SCIENCE EDUCATION, COMMISSION ON UNDERGRADUATE EDUCATION IN
 THE BIOLOGICAL SCIENCES

23. SE 004 699 1 02 86 02
 BAKER, JOHN
 THE NON-SCIENTIST SPEAKS ON SCIENCE FOR A LIBERAL EDUCATION
 THE SCIENCE TEACHER
 04 00 68 2
 *CURRICULUM, *GENERAL EDUCATION, *LIBERAL EDUCATION, *SCIENTIFIC LITERACY,
 *ATTITUDES, EDUCATIONAL OBJECTIVES, HUMANITIES, SCIENCES, SOCIAL SCIENCES,
 THEOLOGY, VALUES, NATIONAL SCIENCE TEACHERS ASSOCIATION, NEIGHBORHOOD CHURCH
 OF PASADENA, CALIFORNIA, NATIONAL CATHOLIC EDUCATION ASSOCIATION, UNIVERSITY
 OF MIAMI, CORAL GABLES, FLORIDA
24. SE 005 932 1 03 92 29
 BAUER, C. R.
 THE COMPUTER IS HERE - A PROGRAM FOR SCHOOLS
 SCHOOL BOARDS
 08 00 66 3
 *COMPUTERS, *EDUCATIONAL PROGRAMS, *SECONDARY SCHOOL SCIENCE, *WORKSHOPS,
 PROGRAM DESCRIPTIONS, TEACHERS, ILLINOIS INSTITUTE OF TECHNOLOGY COMPUTATION
 CENTER, ILLINOIS BELL TELEPHONE COMPANY, 1966, ILLINOIS INSTITUTE OF TECHNOLOGY
25. SE 004 020 3 02 12 17
 BEHRINGER, MARJORIE
 THE DEVELOPMENT OF DIFFERENTIATED CURRICULA FOR ABILITY GROUPED BIOLOGY
 CLASSES, INCLUDING TEACHER TRAINING AND PROGRAM EVALUATION
 TEXAS UNIVERSITY, AUSTIN
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 ED 020 882 NOT AVAILABLE FROM EDRS
 66 190
 *ABILITY GROUPING, *BIOLOGY, *CURRICULUM DEVELOPMENT, *SECONDARY SCHOOL SCIENCE,
 ACADEMIC ACHIEVEMENT, DOCTORAL THESES, EVALUATION, INSERVICE TEACHER EDUCATION,
 INSTRUCTION, PROGRAM EVALUATION, RESEARCH REPORTS, NATIONAL SCIENCE FOUNDATION,
 COOPERATIVE COLLEGE-SCHOOL PROGRAM, BIOLOGICAL SCIENCES CURRICULUM STUDY,
 PROCESSES OF SCIENCE TEST, TEXAS, SAN ANTONIO
26. SE 005 199 3 02 22 06
 BENFEY, O. THEODORE; GEFNER, SAUL L.
 INTERNATIONAL CHEMICAL EDUCATION - THE HIGH SCHOOL YEARS
 AMERICAN CHEMICAL SOCIETY, WASHINGTON, D.C.
 ED 022 707 NOT AVAILABLE FROM EDRS
 68 135
 *CHEMISTRY, *CURRICULUM DEVELOPMENT, *SECONDARY SCHOOL SCIENCE, CURRICULUM,
 EVALUATION, INSTRUCTIONAL MATERIALS, INTERNATIONAL EDUCATION, INTERNATIONAL
 PROGRAMS, INSTRUCTION, PROGRAM DESCRIPTIONS, SCIENCE COURSE IMPROVEMENT
 PROJECT, TEACHING PROCEDURES, AMERICAN CHEMICAL SOCIETY, ENGLAND, AUSTRALIA,
 BRAZIL, CANADA, ITALY, JAPAN, SCOTLAND, SWEDEN

27. SE 005 863 1 02 92 17
 BENSON, BERNARD W.; HOWELL, J. EMORY
 A PROGRAMMED UNIT IN STATISTICS FOR SECONDARY SCIENCE STUDENTS
 SCHOOL SCIENCE AND MATHEMATICS
 11 00 68 9
 *CURRICULUM DEVELOPMENT, *PROGRAMED INSTRUCTION, *PROGRAM DESCRIPTIONS,
 *STATISTICS, *SECONDARY SCHOOL SCIENCE, UNITS OF STUDY, UNIVERSITY OF
 IOWA LABORATORY SCHOOL
28. SE 005 664 1 03 52 17
 BINGHAM, N. ELDRED; CRONIN, C. HINES
 A SUCCESS-ORIENTED PROGRAM FOR THE EDUCATIONALLY DEPRIVED
 THE SCIENCE TEACHER
 11 00 68 4
 *EDUCATIONAL PROGRAMS, *EDUCATIONALLY DISADVANTAGED, *PHYSICAL SCIENCES,
 *SECONDARY SCHOOL SCIENCE, GRADE 7, GRADE 8, GRADE 9, RESEARCH REPORTS,
 STUDENT CHARACTERISTICS, STUDENT ATTITUDES, BATTLE STUDENT ATTITUDE
 SCALE, 1968
29. SE 004 233 3 02 92 15
 BINGHAM, NED E.; AND OTHERS
 HANDBOOK - TEACHING SCIENCE TO EDUCATIONALLY DISADVANTAGED YOUTH
 SOUTHEASTERN EDUCATIONAL LABORATORY, ATLANTA, GEORGIA
 EDRS
 ED 017 469 MF \$0.75 HC \$9.50
 01 00 68 188
 *DISADVANTAGED YOUTH, *GRADE 7, *GRADE 8, *GRADE 9, *INSTRUCTION, *RESOURCE
 MATERIALS, *SCIENCE ACTIVITIES, *SCIENCE EDUCATION, *TEACHING GUIDES, BIOLOGY,
 GUIDELINES, INSTRUCTIONAL MATERIALS, PHYSICAL SCIENCES, STUDENT CHARACTERISTICS,
 SECONDARY SCHOOL SCIENCE, SOUTHEASTERN EDUCATIONAL LABORATORY, JACKSONVILLE,
 FLORIDA
30. SE 004 245 2 03 12 32
 BIOLOGICAL SCIENCES CURRICULUM STUDY
 BSCS NEWSLETTER 32
 BIOLOGICAL SCIENCES CURRICULUM STUDY, BOULDER, COLORADO
 09 00 67 33
 *BIOLOGICAL SCIENCES, *EDUCATIONAL PROGRAMS, *INSTRUCTION, *SECONDARY SCHOOL
 SCIENCE, *TEACHER EDUCATION, ADVANCED PROGRAMS, FILMS, INSERVICE TEACHER
 EDUCATION, INQUIRY TRAINING, INSTRUCTIONAL MATERIALS, NEWSLETTERS, PROGRAM
 DESCRIPTIONS, SCIENCE COURSE IMPROVEMENT PROJECT, BIOLOGICAL SCIENCES
 CURRICULUM STUDY

31. SE 004 886 1 03 12 29
 BIOLOGICAL SCIENCES CURRICULUM STUDY
 BIOLOGICAL SCIENCES CURRICULUM STUDY NEWSLETTER #33
 ESCS, BOULDER, COLORADO
 05 00 68 14
 *BIOLOGY, *SECONDARY SCHOOL SCIENCE, EDUCATIONAL PROGRAMS, FILMS,
 NEWSLETTERS, PROGRAM DESCRIPTIONS, SCIENCE COURSE IMPROVEMENT PROJECT,
 SINGLE CONCEPT FILMS, TEACHER EDUCATION, TESTS, BIOLOGICAL SCIENCES
 CURRICULUM STUDY
32. SE 005 701 1 03 43 20
 BLACK, ROBERT F.; AND OTHERS
 TWO CREEKS BURIED FOREST PROJECT - CIC INSTRUCTIONAL IMPROVEMENT PROGRAM
 JOURNAL OF GEOLOGICAL EDUCATION
 10 00 68 2
 *COLLEGE SCIENCE, *EDUCATIONAL PROGRAMS, *GEOLOGY, CURRICULUM DEVELOPMENT
 EARTH SCIENCE, PROGRAM DESCRIPTIONS, SCIENCE TEACHING, UNDERGRADUATE STUDY,
 COMMITTEE FOR INSTITUTIONAL COOPERATION, NATIONAL SCIENCE FOUNDATION,
 UNIVERSITY OF WISCONSIN, INDIANA UNIVERSITY
33. SE 005 957 1 03 35 29
 BLASS, GERHARD A.
 TPT NOTES, A COOPERATIVE PROJECT TO IMPROVE HIGH SCHOOL PHYSICS IN
 DETROIT
 THE PHYSICS TEACHER
 11 00 68 5
 *EDUCATIONAL PROGRAMS, *INSERVICE EDUCATION, *PHYSICS, *SCIENCE INSTITUTES,
 *TEACHER EDUCATION, CONTINUING EDUCATION, PROJECT REPORTS, NATIONAL SCIENCE
 FOUNDATION, CENCO INSTRUMENT CORPORATION, DETROIT PUBLIC SCHOOLS, MICHIGAN
34. SE 005 824 1 02 91 31
 BLOUGH, GLENN O.
 ELEMENTARY SCHOOL: AN NSTA APPROACH
 SCIENCE AND CHILDREN
 11 00 68 4
 *CURRICULUM, *ELEMENTARY SCHOOL SCIENCE, *PROFESSIONAL ASSOCIATIONS,
 CONFERENCES, EDUCATIONAL PROGRAMS, INSTRUCTIONAL MATERIALS, NATIONAL
 SCIENCE TEACHERS ASSOCIATION, COUNCIL ON ELEMENTARY SCIENCE INTERNATIONAL,
 ASSOCIATION OF CHILDHOOD EDUCATION INTERNATIONAL, ASSOCIATION FOR SUPER-
 VISION AND CURRICULUM DEVELOPMENT, 1968
35. SE 004 813 1 03 42 29
 BOCK, FREDERICK S.
 A TEACHER-ORIENTED APPROACH TO PLANETARIUM INSTRUCTION
 SHARON JUNIOR HIGH SCHOOL, MASSACHUSETTS
 5
 *EARTH SCIENCE, *PLANETARIUM, *PROGRAM DESCRIPTIONS, *SCIENCE FACILITIES,
 *SECONDARY SCHOOL SCIENCE, ASTRONOMY, ART, ELEMENTARY SCHOOL SCIENCE,
 GEOGRAPHY, GEOMETRY, SPACE SCIENCES, ESEA TITLE III

36. SE 004 678 1 03 85 20
 BOELL, E. J.
 THE MASTER OF PHILOSOPHY DEGREE AT YALE
 BIOSCIENCE
 03 00 68 2
 *COLLEGE PROGRAMS, *EDUCATIONAL PROGRAMS, *GRADUATE STUDY, *MASTERS
 DEGREES, DEGREE REQUIREMENTS, EDUCATIONAL PROBLEMS, HIGHER EDUCATION,
 YALE UNIVERSITY
37. SE 005 656 1 02 81 17
 BOENER, CHARLOTTE M.
 EVALUATION OF THE GRADE PLACEMENT OF SCIENCE CONCEPTS IN THE EARLY
 ELEMENTARY GRADES
 JOURNAL OF RESEARCH IN SCIENCE TEACHING
 68 3
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *GRADE PLACEMENT,
 *SCIENTIFIC CONCEPTS, EVALUATION, RESEARCH REPORTS, 1967
38. SE 005 191 3 02 95 22
 BOTTICELLI, CHARLES R.
 CONCEPTUAL SCHEMES IN SCIENCE: A BASIS FOR CURRICULUM DEVELOPMENT
 NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTON, D.C.
 EDRS
 ED 024 592 MF \$0.75 HC \$6.60
 66 130
 *CONCEPTUAL SCHEMES, *CURRICULUM DESIGN, *CURRICULUM DEVELOPMENT,
 *ELEMENTARY SCHOOL SCIENCE, *SECONDARY SCHOOL SCIENCE, CHEMISTRY, COG-
 NITIVE PROCESSES, EARTH SCIENCE, PHYSICS, NATIONAL SCIENCE TEACHERS
 ASSOCIATION, UNITED STATES OFFICE OF EDUCATION
39. SE 004 211 1 03 12 29
 BREUKELMAN, JOHN
 BIOLOGY TEACHING IN THE NETHERLANDS
 THE AMERICAN BIOLOGY TEACHER
 01 00 68 3
 *BIOLOGY, *EDUCATIONAL PROGRAMS, *INTERNATIONAL EDUCATION, *SECONDARY
 SCHOOL SCIENCE, PROGRAM DESCRIPTIONS, SCIENCE COURSE IMPROVEMENT PROJECT,
 TEACHER EDUCATION, NETHERLANDS, BSCS GREEN VERSION
40. SE 005 609 1 03 12 29
 BRISBY, WILLIAM L.
 A NEW APPROACH TO MARINE BIOLOGY ON THE HIGH SCHOOL LEVEL
 THE AMERICAN BIOLOGY TEACHER
 09 00 68 6
 *BIOLOGY, *EDUCATIONAL PROGRAMS, *MARINE BIOLOGY, *SCIENCE ACTIVITIES,
 *SECONDARY SCHOOL SCIENCE, CURRICULUM DEVELOPMENT, OCEANOLOGY, PROGRAM
 DESCRIPTIONS, TEACHER EDUCATION, MARINE RESOURCES AND ENGINEERING
 DEVELOPMENT ACT

41. SE 004 240 1 02 95 17
 BROWNELL, JOHN; AND OTHERS
 FINAL EVALUATION OF THE SUMMER EXPERIMENTAL PROGRAM
 HAWAII CURRICULUM CENTER, 1625 WIST PLACE, HONOLULU
 11 00 67 40
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *EVALUATION, ECOLOGY,
 *EDUCATIONAL PROGRAMS, GRADE 6, GRADE 7, GRADE 8, GRADE 10, MATHEMATICS,
 *SECONDARY SCHOOL SCIENCE, ACADEMIC ACHIEVEMENT, ART, STUDENT CHARACTER-
 ISTICS, SEQUENTIAL TESTS OF EDUCATIONAL PROGRESS, SCIENCE COLLEGE ABILITY
 TEST
42. SE 005 931 1 03 92 29
 BUCK, THOMAS
 THE COMPUTER COMES TO THE HIGH SCHOOL CLASSROOM
 CONFERENCE
 07 00 66 4
 *COMPUTERS, *EDUCATIONAL PROGRAMS, *PROGRAM DESCRIPTIONS, *SECONDARY
 SCHOOL SCIENCE, INSTRUCTION, ILLINOIS INSTITUTE OF TECHNOLOGY, ILLINOIS
 BELL TELEPHONE COMPANY, 1966
43. SE 005 734 1 02 23 20
 CAIRNS, ROBERT W.
 POLYMER CHEMISTRY IN THE UNDERGRADUATE CURRICULUM - SYMPOSIUM
 JOURNAL OF CHEMICAL EDUCATION -
 08 00 68 2
 *CHEMISTRY, *CHEMICAL EDUCATION, *CURRICULUM, *ORGANIC CHEMISTRY, COURSE
 REVISION, INSTRUCTION, POLYMER CHEMISTRY, UNDERGRADUATE STUDY, UNDERGRADUATE
 COURSES
44. SE 005 225 1 02 12 15
 CALIFORNIA STATE DEPARTMENT OF EDUCATION
 BIOLOGICAL PRINCIPLES IN AGRICULTURE - A MANUAL FOR HIGH SCHOOL AGRICULTURE
 TEACHERS INTEGRATING BIOLOGICAL PRINCIPLES WITH INSTRUCTION IN AGRICULTURE
 CALIFORNIA STATE DEPARTMENT OF EDUCATION, SACRAMENTO
 63 133
 *BIOLOGICAL SCIENCES, *CURRICULUM, *INSTRUCTION, *SECONDARY SCHOOL SCIENCE,
 *TEACHING GUIDES, AGRICULTURAL EDUCATION, COURSE CONTENT, SCIENCE EXPERIMENTS,
 1963

45. SE 004 882 3 02 85 37
 CALIFORNIA STATE DEPARTMENT OF EDUCATION
 SCIENCE FRAMEWORK FOR CALIFORNIA PUBLIC SCHOOLS, PRELIMINARY
 CALIFORNIA STATE DEPARTMENT OF EDUCATION, SACRAMENTO
 EDRS
 ED 021 750 MF \$0.50 HC \$5.00
 68 98
 *CURRICULUM PLANNING, *ELEMENTARY SCHOOL SCIENCE, *SECONDARY SCHOOL
 SCIENCE, *SCIENCE EDUCATION, BEHAVIORAL OBJECTIVES, CURRICULUM DEVELOP-
 MENT, EDUCATIONAL PROGRAMS, EDUCATIONAL OBJECTIVES, EDUCATIONAL PHILOSOPHY,
 INSTRUCTION, INSTRUCTIONAL MATERIALS, LEARNING, RESOURCE MATERIALS,
 TEACHER EDUCATION, CALIFORNIA STATE BOARD OF EDUCATION, ELEMENTARY AND
 SECONDARY EDUCATION ACT TITLE V
46. SE 004 363 3 02 92 15
 CAMAREN, JAMES
 NUCLEAR SCIENCE CURRICULUM PROJECT, INSTRUCTIONAL RESOURCES SUPPLEMENT
 CULVER CITY UNIFIED SCHOOL DISTRICT, CALIFORNIA
 EDRS
 ED 018 374 MF \$0.75 HC \$7.25
 68 143
 *AUDIOVISUAL AIDS, *CURRICULUM DEVELOPMENT, *INSTRUCTIONAL MATERIALS,
 *NUCLEAR PHYSICS, *PHYSICAL SCIENCES, *PHYSICS, *SECONDARY SCHOOL SCIENCE,
 *TEACHING GUIDES, BIBLIOGRAPHIES, CHEMISTRY, FILMS, FILMSTRIPS, INSERVICE
 TEACHER EDUCATION, SCIENCE FACILITIES, TEACHER EDUCATION, SCIENCE EQUIPMENT,
 SCIENCE MATERIALS, SAFETY, NUCLEAR SCIENCE CURRICULUM PROJECT
47. SE 004 364 3 02 92 15
 CAMAREN, JAMES
 NUCLEAR SCIENCE CURRICULUM PROJECT, PHASE I, INSTRUCTIONAL SPECIFICATIONS
 CULVER CITY UNIFIED SCHOOL DISTRICT, CALIFORNIA
 EDRS
 ED 018 375 MF \$1.25 HC \$14.75
 68 293
 *ATOMIC STRUCTURE, *ATOMIC THEORY, *BEHAVIORAL OBJECTIVES, *CURRICULUM
 DEVELOPMENT, *EDUCATIONAL OBJECTIVES, *INSTRUCTION, *NUCLEAR PHYSICS,
 *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES, CURRICULUM, CHEMISTRY,
 PHYSICAL SCIENCES, PHYSICS, SYSTEMS ANALYSIS, NUCLEAR SCIENCE CURRICULUM
 PROJECT
48. SE 005 207 1 02 12 20
 CARNELIUS, MARION E.
 BSCS MOTIVATES STUDENTS
 SCHOOL AND COMMUNITY
 10 00 65 2
 *BIOLOGY, *CURRICULUM DEVELOPMENT, *STUDENT MOTIVATION, *SECONDARY SCHOOL
 SCIENCE, SCIENCE COURSE IMPROVEMENT PROJECT, NATIONAL SCIENCE FOUNDATION,
 BIOLOGICAL SCIENCES CURRICULUM STUDY

49. SE 004 759 1 03 33 20
 CARVER, G. P.; SCARL, D. B.
 A SOPHOMORE COURSE IN EXPERIMENTAL PHYSICS
 AMERICAN JOURNAL OF PHYSICS
 04 00 68 6
 *COLLEGE SCIENCE, *CURRICULUM, *PHYSICS, *SCIENCE ACTIVITIES, EDUCATIONAL PROGRAMS, EDUCATIONAL OBJECTIVES, LABORATORY COURSES, LABORATORY EXPERIMENTS, PHYSICAL SCIENCES, UNDERGRADUATE STUDY, CORNELL UNIVERSITY
50. SE 004 665 1 02 92 22
 CASTEEL, J. DOYLE; YAGER, ROBERT
 THE UNIVERSITY OF IOWA SCIENCE AND CULTURE PROJECT
 SCHOOL SCIENCE AND MATHEMATICS
 05 00 68 5
 *CURRICULUM DEVELOPMENT, *INTERDISCIPLINARY APPROACH, *SOCIAL STUDIES, *SECONDARY SCHOOL SCIENCE, CULTURE, CULTURAL AWARENESS, EDUCATIONAL PHILOSOPHY, EDUCATIONAL OBJECTIVES, HISTORY, SCIENCES, SCIENTIFIC ATTITUDES, TECHNOLOGY, IOWA SCIENCE AND CULTURE PROJECT, UNIVERSITY OF IOWA EXPERIMENTAL SCHOOL, UNIVERSITY OF IOWA
51. SE 004 337 1 03 12 29
 CAUFFMAN, JOY
 A MODEL PROGRAM FOR SPECIAL COOPERATIVE OFFERINGS IN THE BIOLOGICAL SCIENCES
 THE AMERICAN BIOLOGY TEACHER
 12 00 67 4
 *BIOLOGY, *EDUCATIONAL PROGRAMS, *PROGRAM DESCRIPTIONS, *SECONDARY SCHOOL SCIENCE, *SCHOOL COMMUNITY COOPERATION, ELEMENTARY SCHOOL SCIENCE, HEALTH SCIENCES, MEDICINE
52. SE 005 916 1 03 95 29
 CENTRAL ASSOCIATION OF SCIENCE AND MATHEMATICS TEACHERS
 THE SCIENCES IN TODAY'S CULTURE, 1968 YEARBOOK AND PROGRAM
 CENTRAL ASSOCIATION OF SCIENCE AND MATHEMATICS TEACHERS, OAK PARK, ILLINOIS
 68 137
 *EDUCATIONAL PROGRAMS, *PROGRAM DESCRIPTIONS, *PROFESSIONAL ASSOCIATIONS, CONFERENCES, MATHEMATICS TEACHERS, SCIENCE TEACHERS, CENTRAL ASSOCIATION OF SCIENCE AND MATHEMATICS TEACHERS, ST. LOUIS, MISSOURI, 1968
53. SE 005 066 3 02 52 15
 CHAFFEE, EVERETT
 TEACHER'S HANDBOOK FOR ADVANCED PHYSICAL SCIENCE 2
 LOS ANGELES CITY SCHOOLS, CALIFORNIA
 EDRS
 ED 021 775 MF \$0.25 HC \$2.45
 67 47
 *PHYSICAL SCIENCES, *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES, ASTRONOMY, ELECTRICITY

54. SE 004 336 1 02 13 29
 CHIASSON, ROBERT B.
 GENERAL BIOLOGY - A DISSENTING OPINION
 THE AMERICAN BIOLOGY TEACHER
 12 00 67 3
 *BIOLOGY, *COLLEGE SCIENCE, *GENERAL EDUCATION, EDUCATIONAL PROGRAMS,
 INSTRUCTION, OBJECTIVES
55. SE 004 135 3 02 15 15
 CHRISTIAN, FLOYD T.
 ALCOHOL - NARCOTICS EDUCATION, A HANDBOOK FOR TEACHERS
 FLORIDA STATE DEPARTMENT OF EDUCATION, TALLAHASSEE
 TANE PRESS, DALLAS, TEXAS
 ED 016 629 NOT AVAILABLE FROM EDRS
 67 95
 *ALCOHOLISM, *CURRICULUM, *DRUG ADDICTION, *EDUCATIONAL OBJECTIVES,
 *HEALTH EDUCATION, *SECONDARY SCHOOL SCIENCE, *TEACHER GUIDES, ELEMENTARY
 SCHOOL SCIENCE, INSERVICE EDUCATION, STUDENT ACTIVITIES
56. SE 005 468 1 03 85 17
 COHAN, PETER H.
 DETERMINING THE STATUS OF SCIENCE EDUCATION PROGRAMS FOR A REGIONAL CENTER
 JOURNAL OF RESEARCH IN SCIENCE TEACHING
 68 8
 *CURRICULUM, *EDUCATIONAL PROGRAMS, *PROGRAM EVALUATION, *SCIENCE PROGRAMS,
 *SCIENCE FACILITIES, ELEMENTARY SCHOOL SCIENCE, RESEARCH REPORTS, REGIONAL
 SURVEYS, SECONDARY SCHOOL SCIENCE, 1967
57. SE 004 583 2 03 91 15
 COLE, R. C.
 A HANDFUL OF SAND, TEACHER'S SUPPLEMENT
 MIDDLETOWN TOWNSHIP SCHOOLS, HIGHLANDS, NEW JERSEY
 67 31
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTIONAL
 MATERIALS, *OUTDOOR EDUCATION, *TEACHING GUIDES, ART, BIOLOGICAL SCIENCES,
 GEOLOGY, GRADE 4, LANGUAGE ARTS, OCEANOLOGY, SOCIAL STUDIES
58. SE 004 585 2 03 91 15
 COLE, R. C.
 OUR WORLD IN A FISH BOWL, TEACHER'S SUPPLEMENT
 MIDDLETOWN TOWNSHIP SCHOOLS, HIGHLANDS, NEW JERSEY
 10 00 67 24
 *CURRICULUM DEVELOPMENT, *CONSERVATION EDUCATION, *ELEMENTARY SCHOOL SCIENCE,
 *OUTDOOR EDUCATION, *TEACHING GUIDES, ARTS, BIOLOGICAL SCIENCES, GEOLOGY,
 GRADE 6, OCEANOLOGY, TESTS

59. SE 005 405 1 02 33 01
 COMMISSION ON COLLEGE PHYSICS
 COMMISSION ON COLLEGE PHYSICS - BIENNIAL REPORT 1966-68
 COMMISSION ON COLLEGE PHYSICS, COLLEGE PARK, MARYLAND
 58 4
 *COLLEGE SCIENCE, *CURRICULUM DEVELOPMENT, *PHYSICS, *PROJECT REPORTS,
 AUDIOVISUAL AIDS, INSTRUCTIONAL MATERIALS, SCIENCE MATERIALS, SCIENCE
 COURSES, SCIENCE EQUIPMENT, TEACHING METHODS, COMMISSION ON COLLEGE
 PHYSICS, 1968
60. SE 004 628 1 02 53 01
 COMMISSION ON ENGINEERING EDUCATION
 COMMISSION ON ENGINEERING EDUCATION, ANNUAL REPORT, 1967-68
 COMMISSION ON ENGINEERING EDUCATION, WASHINGTON, D.C.
 68 15
 *ANNUAL REPORTS, *COLLEGE SCIENCE, *CURRICULUM DEVELOPMENT, *ENGINEERING
 EDUCATION, *PHYSICAL SCIENCES, EDUCATIONAL PROGRAMS, MAN MADE WORLD,
 COMPUTER SCIENCES IN ELECTRICAL ENGINEERING, NATIONAL SCIENCE FOUNDATION
61. SE 004 216 3 02 92 11
 COMMISSION ON ENGINEERING EDUCATION
 THE MAN MADE WORLD
 COMMISSION ON ENGINEERING EDUCATION, WASHINGTON, D.C.
 EDRS
 ED 019 243 MF \$2.50 HC \$26.65
 67 531
 *CURRICULUM DEVELOPMENT, *COMPUTERS, *ENGINEERING, *INSTRUCTIONAL MATERIALS,
 *PHYSICAL SCIENCES, *SECONDARY SCHOOL SCIENCE, *SCIENCE ACTIVITIES, *TECH-
 NOLOGY, ALGEBRA, CURRICULUM, EDUCATIONAL OBJECTIVES, MATHEMATICS, TEXTBOOKS
62. SE 004 481 3 02 13 37
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 BIOLOGY FOR THE NON-MAJOR
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS, 1717 MASSACHUSETTS AVENUE, N.W., WASHINGTON, D.C.
 ED 017 481 NOT AVAILABLE FROM EDRS
 67 80
 *BIOLOGY, *COURSE OBJECTIVES, *COLLEGE SCIENCE, *CURRICULUM DEVELOPMENT,
 *COURSE CONTENT, *COURSE ORGANIZATION, *GENERAL EDUCATION, *INSTRUCTIONAL
 MATERIALS, COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
63. SE 005 295 1 03 13 29
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS NEWS, VOLUME 1, NUMBER 1
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS, 1717 MASSACHUSETTS AVENUE, N.W., WASHINGTON, D.C.
 02 00 65 8
 *BIOLOGY, *COLLEGE SCIENCE, *PROFESSIONAL ASSOCIATIONS, *PROGRAM
 DESCRIPTIONS, *UNDERGRADUATE EDUCATION, NEWSLETTERS, COMMISSION ON
 UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES

64. SE 005 310 1 03 13 32
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS NEWS, VOLUME II, NUMBER 1
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS, 1717 MASSACHUSETTS AVENUE, N.W., WASHINGTON, D.C.
 10 00 65 8
 *BIOLOGY, *COLLEGE SCIENCE, *PROFESSIONAL ASSOCIATIONS, *UNDERGRADUATE
 EDUCATION, CURRICULUM, GENERAL EDUCATION, INSTRUCTIONAL MATERIALS,
 NEWSLETTERS, RESOURCE MATERIALS, COMMISSION ON UNDERGRADUATE EDUCATION
 IN THE BIOLOGICAL SCIENCES
65. SE 005 309 1 03 13 32
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS NEWS, VOLUME II, NUMBER 2
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS, 1717 MASSACHUSETTS AVENUE, N.W., WASHINGTON, D.C.
 12 00 65 16
 *BIOLOGY, *COLLEGE SCIENCE, *PROFESSIONAL ASSOCIATIONS, *UNDERGRADUATE
 EDUCATION, ENROLLMENT TRENDS, INSTRUCTION, JUNIOR COLLEGES, NEWSLETTERS,
 RESOURCE MATERIAL, TESTING, COMMISSION ON UNDERGRADUATE EDUCATION IN THE
 BIOLOGICAL SCIENCES
66. SE 005 297 1 02 13 32
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS NEWS, VOLUME II, NUMBER 3
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS, 1717 MASSACHUSETTS AVENUE, N.W., WASHINGTON, D.C.
 02 00 66 16
 *BIOLOGY, COLLEGE SCIENCE, *CURRICULUM, *INSTRUCTION, ABLE STUDENTS,
 CURRICULUM DEVELOPMENT, CONFERENCE REPORTS, UNDERGRADUATE STUDY, CUEBS,
 SECOND CONFERENCE ON UNDERGRADUATE BIOLOGY MAJORS, 1965
67. SE 005 298 1 02 13 32
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS NEWS, VOLUME II, NUMBER 4
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS, 1717 MASSACHUSETTS AVENUE, N.W., WASHINGTON, D.C.
 04 00 66 20
 *BIOLOGY, *COLLEGE SCIENCE, *CURRICULUM, CURRICULUM DEVELOPMENT, NEWS-
 LETTERS, SCIENCE COURSES, UNDERGRADUATE STUDY, CUEBS

68. SE 005 299 1 02 13 32
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS NEWS, VOLUME II, NUMBER 5
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS, 1717 MASSACHUSETTS AVENUE, N.W., WASHINGTON, D.C.
 06 00 66 20
 *BIOLOGY, *COLLEGE SCIENCE, *CURRICULUM, *INSTRUCTION, *TEACHER
 EDUCATION, CURRICULUM DEVELOPMENT, EDUCATIONAL PROGRAMS, NEWSLETTERS,
 SECONDARY SCHOOL TEACHERS, CUEBS
69. SE 005 300 1 03 13 32
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS NEWS, VOLUME II, NUMBER 6
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS, 1717 MASSACHUSETTS AVENUE, N.W., WASHINGTON, D.C.
 08 30 66 24
 *ANNUAL REPORTS, *BIOLOGY, *COLLEGE SCIENCE, *PROFESSIONAL ASSOCIATIONS,
 *UNDERGRADUATE STUDY, NEWSLETTERS, COMMISSION ON UNDERGRADUATE EDUCATION
 IN THE BIOLOGICAL SCIENCES, 1965
70. SE 005 302 1 03 13 32
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS NEWS, VOLUME III, NUMBER 2
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS, 1717 MASSACHUSETTS AVENUE, N.W., WASHINGTON, D.C.
 12 00 66 12
 *BIOLOGY, *COLLEGE SCIENCE, *PROFESSIONAL ASSOCIATIONS, *UNDERGRADUATE
 STUDY, BIOENGINEERING, COLLEGE TEACHERS, GENERAL EDUCATION, NEWSLETTERS,
 SCIENCE HISTORY, SUMMER PROGRAMS, TEACHER EDUCATION, NATIONAL SCIENCE
 FOUNDATION, COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL
 SCIENCES
71. SE 005 303 1 02 13 32
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS NEWS, VOLUME III, NUMBER 3
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS, 1717 MASSACHUSETTS AVENUE, N.W., WASHINGTON, D.C.
 02 00 67 12
 *BIOLOGY, *COLLEGE SCIENCE, *CURRICULUM DEVELOPMENT, INSERVICE COURSES,
 INSERVICE EDUCATION, NEWSLETTERS, SCIENCE COURSES, UNDERGRADUATE STUDY,
 CUEBS
72. SE 005 306 1 02 13 32
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS NEWS, VOLUME III, NUMBER 5
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS, 1717 MASSACHUSETTS AVENUE, N.W., WASHINGTON, D.C.
 06 00 67 12
 *BIOLOGY, *COLLEGE SCIENCE, *CONFERENCES, *CURRICULUM, CURRICULUM
 DEVELOPMENT, NEWSLETTERS, UNDERGRADUATE STUDY, COMMISSION ON UNDER-
 GRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES

73. SE 005 307 1 03 13 32
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS NEWS, VOLUME III, NUMBER 6
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS, 1717 MASSACHUSETTS AVENUE, N.W., WASHINGTON, D.C.
 08 00 67 12
 *ANNUAL REPORTS, *BIOLOGY, *COLLEGE SCIENCE, *PROFESSIONAL ASSOCIATIONS,
 *UNDERGRADUATE STUDY, NEWSLETTERS, COMMISSION ON UNDERGRADUATE EDUCATION
 IN THE BIOLOGICAL SCIENCES, 1966
74. SE 005 304 1 03 13 32
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS NEWS, VOLUME IV, NUMBER 1
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS, 1717 MASSACHUSETTS AVENUE, N.W., WASHINGTON, D.C.
 10 00 67 12
 *BIOLOGY, *COLLEGE SCIENCE, *CONSULTATION PROGRAMS, *PROFESSIONAL
 ASSOCIATIONS, *UNDERGRADUATE STUDY, NEWSLETTERS, PROGRAM DESCRIPTIONS,
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
75. SE 005 308 1 03 13 32
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS NEWS, VOLUME IV, NUMBER 3
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS, 1717 MASSACHUSETTS AVENUE, N.W., WASHINGTON, D.C.
 02 00 68 8
 *BIOLOGY, *COLLEGE SCIENCE, *GENERAL EDUCATION, *PROFESSIONAL ASSOCIATIONS,
 *UNDERGRADUATE STUDY, COLLEGE TEACHERS, CONFERENCES, NEWSLETTERS, SUMMER
 PROGRAMS, TEACHER EDUCATION, COMMISSION ON UNDERGRADUATE EDUCATION IN THE
 BIOLOGICAL SCIENCES, 1968
76. SE 005 296 1 02 13 32
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS NEWS, VOLUME IV, NUMBER 5
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS, 1717 MASSACHUSETTS AVENUE, N.W., WASHINGTON, D.C.
 06 00 68 16
 *BIOLOGY, *COLLEGE SCIENCE, *PROFESSIONAL ASSOCIATIONS, *TEACHER
 EDUCATION, *UNDERGRADUATE EDUCATION, CURRICULUM PLANNING, INSERVICE
 TEACHER EDUCATION, NEWSLETTERS, PROGRAM PLANNING, PRESERVICE EDUCATION,
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES

77. SE 005 564 1 02 82 17
 COSSMAN, GEORGE W.; FITCH, ROBERT M.
 THE IOWA SCIENCE AND CULTURE STUDY
 SOCIAL EDUCATION
 12 00 67 4
 *CURRICULUM DEVELOPMENT, *NATURAL SCIENCES, *SECONDARY SCHOOL SCIENCE,
 *SOCIAL STUDIES, GRADE 11, GRADE 12, RESEARCH REPORTS, NATIONAL COUNCIL
 FOR THE SOCIAL STUDIES, UNIVERSITY SCHOOL, UNIVERSITY OF IOWA, UNITED
 STATES OFFICE OF EDUCATION, TEST ON UNDERSTANDING SCIENCE, THE STANFORD
 ADVANCED SCIENCE ACHIEVEMENT TEST, FACTS ABOUT SCIENCE TEST, THE WATSON-
 GLASER CRITICAL THINKING APPRAISAL
78. SE 005 113 3 02 82 17
 COSSMAN, GEORGE WILFORD
 THE EFFECTS OF A COURSE IN SCIENCE AND CULTURE DESIGNED FOR SECONDARY
 SCHOOL STUDENTS
 UNIVERSITY OF IOWA, IOWA CITY
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 ED 025 414 NOT AVAILABLE FROM EDRS
 67 154
 *CURRICULUM DEVELOPMENT, *SECONDARY SCHOOL SCIENCE, *SCIENTIFIC LITERACY,
 *SCIENTIFIC ATTITUDES, DOCTORAL THESES, EVALUATION, GRADE 11, GRADE 12,
 UNIVERSITY OF IOWA, TEST ON UNDERSTANDING SCIENCE, FACTS ABOUT SCIENCE
 TEST, WATSON-GLASER CRITICAL THINKING APPRAISAL, STUDY OF VALUES, IOWA
 SCIENCE AND CULTURE ACHIEVEMENT TEST, STANFORD ACHIEVEMENT TEST
79. SE 004 530 2 02 33 06
 CRANE, H. R.
 THE SECOND ANN ARBOR CONFERENCE ON CURRICULA FOR UNDERGRADUATE MAJORS
 IN PHYSICS
 COMMISSION ON COLLEGE PHYSICS, COLLEGE PARK, MARYLAND
 08 00 67 45
 *COLLEGE SCIENCE, *CURRICULUM DEVELOPMENT, *PHYSICS, CONFERENCE REPORTS,
 CURRICULUM, EDUCATIONAL OBJECTIVES, UNDERGRADUATE STUDY, NATIONAL SCIENCE
 FOUNDATION, COMMISSION ON COLLEGE PHYSICS, 1962
80. SE 005 862 2 02 92 11
 DAMASKOS, NICKANDER J.
 PREVIEW OF MODERN CONCEPTS IN ENGINEERING - A CASE STUDY TEXT FOR HIGH
 SCHOOL STUDENTS
 DELAWARE COUNTY BOARD OF SUPERVISORS, PENNSYLVANIA
 08 00 68 350
 *CURRICULUM DEVELOPMENT, *ENGINEERING, *INSTRUCTIONAL MATERIALS, *SECONDARY
 SCHOOL SCIENCE, *TEXTBOOKS, CASE STUDIES, ENGINEERS, MATHEMATICS, TECHNOLOGY

81. SE 005 861 2 02 92 15
 DAMASKOS, NICKANDER J.
 PREVIEW OF MODERN CONCEPTS IN ENGINEERING, TEACHING SYLLABUS, PHASE
 II, 1968
 DELAWARE COUNTY BOARD OF SUPERVISORS, PENNSYLVANIA
 09 00 68 230
 *CURRICULUM DEVELOPMENT, *ENGINEERING, *SECONDARY SCHOOL SCIENCE,
 *TEACHING GUIDES, COURSE CONTENT, CASE STUDIES, COMPUTERS, ENGINEERS,
 INSTRUCTIONAL MATERIALS, MATHEMATICS, TECHNOLOGY
82. SE 004 259 2 02 52 35
 DAMASKOS, NICKANDER J.; AND OTHERS
 TEACHING SYLLABUS "PMC IN ENGINEERING" PHASE I 1967
 DELAWARE COUNTY BOARD OF SUPERVISORS, PENNSYLVANIA
 67 350
 *CURRICULUM DEVELOPMENT, *ENGINEERING, *INSTRUCTIONAL MATERIALS,
 BIBLIOGRAPHIES, COMPUTERS, PHYSICAL SCIENCES, TECHNOLOGY, TEACHING GUIDES
83. SE 005 389 3 02 95 32
 DASBACH, JOSEPH M.
 COMMISSION ON SCIENCE EDUCATION NEWSLETTER, VOLUME 4, NUMBER 2
 AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, WASHINGTON, D.C.
 AAAS, 1515 MASSACHUSETTS AVENUE, N.W., WASHINGTON, D.C.
 EDRS
 ED 023 598 MF \$0.25 HC \$0.90
 03 00 68 16
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *PROGRAM EVALUATION,
 *SECONDARY SCHOOL SCIENCE, *SCIENCE EQUIPMENT, SCIENCE MATERIALS, SCIENCE
 COURSE IMPROVEMENT PROJECT, RESEARCH REPORTS, COMMISSION ON SCIENCE
 EDUCATION, NATIONAL SCIENCE FOUNDATION, AMERICAN ASSOCIATION FOR THE
 ADVANCEMENT OF SCIENCE, 1968
84. SE 004 766 1 02 92 17
 DEROSE, JAMES V.
 THE INDEPENDENT STUDY SCIENCE PROGRAM AT MARPLE NEWTON HIGH SCHOOL
 THE SCIENCE TEACHER
 05 00 68 2
 *ACHIEVEMENT, *CURRICULUM, *INDEPENDENT STUDY, *SECONDARY SCHOOL SCIENCE,
 CHEMISTRY, PHYSICS, MARPLE NEWTON HIGH SCHOOL, NEWTON SQUARE, PENNSYLVANIA,
 NATIONAL SCIENCE TEACHERS ASSOCIATION STAR AWARD
85. SE 005 702 1 03 43 20
 DOLGOFF, ANATOLE
 TEACHING EARTH SCIENCE IN THE URBAN COMMUNITY COLLEGE
 JOURNAL OF GEOLOGICAL EDUCATION
 10 00 68 2
 *COMMUNITY COLLEGES, *COLLEGE SCIENCE, *EARTH SCIENCE, *EDUCATIONAL
 PROGRAMS, URBAN SCHOOLS, 1968

86. SE 004 945 1 02 33 20
 DRUMHELLER, JOHN E.
 FROM HERTZ TO GIGAHERTZ - AN UNDERGRADUATE PHYSICS-ELECTRONICS LABORATORY
 COURSE
 AMERICAN JOURNAL OF PHYSICS
 06 00 68 5
 *COLLEGE SCIENCE, *CURRICULUM, *PHYSICS, *SCIENCE EQUIPMENT, *SCIENCE
 COURSES, BIBLIOGRAPHIES, COURSE DESCRIPTIONS, ELECTRONICS, EDUCATIONAL
 PROGRAMS, LABORATORY PROCEDURES, MICROWAVES, PHYSICAL SCIENCES, SCIENCE
 MATERIALS, UNDERGRADUATE STUDY
87. SE 005 472 1 02 12 15
 DUVAL COUNTY BOARD OF PUBLIC INSTRUCTION
 A SCIENCE CURRICULUM GUIDE, SEVENTH GRADE, HEALTH AND LIFE SCIENCE
 DUVAL COUNTY BOARD OF PUBLIC INSTRUCTION, JACKSONVILLE, FLORIDA
 63 102
 *BIOLOGICAL SCIENCES, *CURRICULUM, *HEALTH EDUCATION, *SECONDARY SCHOOL
 SCIENCE, CURRICULUM GUIDES, GRADE 7, INSTRUCTIONAL MATERIALS, STUDENT
 ACTIVITIES, TEACHING GUIDES
88. SE 005 471 1 02 52 15
 DUVAL COUNTY BOARD OF PUBLIC INSTRUCTION
 A SCIENCE CURRICULUM GUIDE, EIGHTH GRADE, PHYSICAL SCIENCE
 DUVAL COUNTY BOARD OF PUBLIC INSTRUCTION, JACKSONVILLE, FLORIDA
 63 113
 *CURRICULUM GUIDES, *CURRICULUM, *PHYSICAL SCIENCES, *SECONDARY SCHOOL
 SCIENCE, *TEACHING GUIDES, GRADE 8, INSTRUCTIONAL MATERIALS, SCIENCE
 ACTIVITIES
89. SE 004 376 1 02 45 32
 EARTH SCIENCE CURRICULUM PROJECT
 EARTH SCIENCE CURRICULUM PROJECT NEWSLETTER
 EARTH SCIENCE CURRICULUM PROJECT, BOULDER, COLORADO
 02 00 68 8
 *CURRICULUM DEVELOPMENT, *DEVELOPMENT REPORTS, *EARTH SCIENCE, *INSERVICE
 EDUCATION, *NEWSLETTERS, *PHYSICAL SCIENCES, *SECONDARY SCHOOL SCIENCE,
 *TEACHER EDUCATION, AUDIOVISUAL AIDS, INTERNATIONAL EDUCATION, LABORATORY
 TECHNIQUES, SUMMER INSTITUTES, TEACHING GUIDES, NATIONAL SCIENCE FOUNDATION,
 EARTH SCIENCE CURRICULUM PROJECT, COUNCIL ON EDUCATION IN THE GEOLOGICAL
 SCIENCES, JAPAN, TOKYO CENTER FOR EDUCATION, PHILIPPINES, KOREA, UNITED
 STATES OFFICE OF EDUCATION
90. SE 005 784 1 02 42 32
 EARTH SCIENCE CURRICULUM PROJECT
 EARTH SCIENCE CURRICULUM PROJECT NEWSLETTER NUMBER 2
 EARTH SCIENCE CURRICULUM PROJECT, BOULDER, COLORADO
 01 00 64 12
 *CURRICULUM DEVELOPMENT, *CURRICULUM, *EARTH SCIENCE, *SECONDARY SCHOOL
 SCIENCE, NEWSLETTERS, SCIENCE COURSE IMPROVEMENT PROJECT, SCIENCE INSTITUTES,
 TEACHER EDUCATION, 1964

91. SE 005 975 1 02 45 17
 EDWARDS, SETH JAIVANT
 A PROPOSED COURSE IN EARTH SCIENCE FOR THE SECONDARY SCIENCE CURRICULUM
 OF INDIAN SCHOOLS, DEVELOPED FROM THE ANALYSIS, EVALUATION, AND ADAPTATION
 OF EARTH SCIENCE COURSES BEING TAUGHT IN THE UNITED STATES OF AMERICA
 INDIANA UNIVERSITY
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 68 163
 *COURSE CONTENT, *CURRICULUM DEVELOPMENT, *EARTH SCIENCE, *FOREIGN
 COUNTRIES, *OBJECTIVES, COLLEGE SCIENCE, DOCTORAL THESES, EDUCATIONAL
 PROGRAMS, ELEMENTARY SCHOOL SCIENCE, INTERNATIONAL EDUCATION, RESEARCH
 REPORTS, SECONDARY SCHOOL SCIENCE, SCIENCE COURSES, INDIA, 1968, EARTH
 SCIENCE CURRICULUM PROJECT
92. SE 005 119 3 02 81 17
 EDWARDS, THOMAS FRANCIS
 A STUDY IN TEACHING SELECTED INTELLECTUAL SKILLS TO KINDERGARTEN CHILDREN
 MICHIGAN STATE UNIVERSITY, EAST LANSING
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 ED 025 415 NOT AVAILABLE FROM EDRS
 66 240
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *EVALUATION, *SKILL
 DEVELOPMENT, DOCTORAL THESES, KINDERGARTEN
93. SE 005 538 1 02 71 32
 ELEMENTARY SCIENCE STUDY
 ELEMENTARY SCIENCE STUDY NEWSLETTER
 ELEMENTARY SCIENCE STUDY
 ELEMENTARY SCIENCE STUDY, NEWTON, MASSACHUSETTS
 05 00 68 7
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *SCIENCE COURSE
 IMPROVEMENT PROJECT, FILMS, NEWSLETTERS, STUDENT ACTIVITIES, TEACHING
 UNITS, TEACHER WORKSHOPS, ELEMENTARY SCIENCE STUDY, NEWTON, MASSACHUSETTS,
 1968
94. SE 005 695 1 02 33 17
 EMRICH, RAYMOND J.; AND OTHERS
 TEACHING OF PHYSICS OF FLUIDS IN UNITED STATES COLLEGES AND UNIVERSITIES
 AMERICAN JOURNAL OF PHYSICS
 10 00 68 10
 *COLLEGE SCIENCE, *CURRICULUM, *PHYSICS, *SCIENCE COURSES, BIBLIOGRAPHIES,
 CURRICULUM GUIDES, COURSE CONTENT, EDUCATIONAL PROGRAMS, ENGINEERING, FLUID
 DYNAMICS, MATHEMATICS, RESEARCH REPORTS, SURVEYS, NATIONAL SCIENCE FOUNDATION

95. SE 004 095 3 03 95 14
 FIELD, STANLEY
 GUIDE TO OPPORTUNITIES FOR EDUCATION, TRAINING AND RESEARCH IN THE
 SCIENCES
 PUBLIC AFFAIRS PRESS, WASHINGTON, D.C.
 ED 018 366 NOT AVAILABLE FROM EDRS
 67 255
 *DIRECTORIES, *EDUCATIONAL PROGRAMS, *EDUCATIONAL OPPORTUNITIES, *FINAN-
 CIAL SUPPORT, *GRADUATE STUDY, *NATURAL SCIENCES, *SCIENCE EDUCATION,
 *UNDERGRADUATE STUDY, ENGINEERING, ELEMENTARY SCHOOL TEACHERS, FELLOWSHIPS,
 HIGH SCHOOL STUDENTS FOUNDATION PROGRAMS, INSERVICE TEACHER EDUCATION,
 INDUSTRY, RESEARCH, SCIENTIFIC RESEARCH, SCHOLARSHIP FUNDS, TEACHER
 EDUCATION, NATIONAL SCIENCE FOUNDATION, ATOMIC ENERGY COMMISSION, UNITED
 STATES OFFICE OF EDUCATION, NATIONAL ACADEMY OF SCIENCES, PUBLIC HEALTH
 SERVICE AWARDS
96. SE 004 799 1 03 23 29
 FIFE, WILMER K.
 THE ORGANIC CHEMISTRY LABORATORY, A PROBLEM-ORIENTED PROGRAM
 JOURNAL OF CHEMICAL EDUCATION
 G6 00 68 3
 *COLLEGE SCIENCE, *EDUCATIONAL PROGRAMS, *LABORATORY PROGRAMS, *ORGANIC
 CHEMISTRY, *PROGRAM DESCRIPTIONS, CHEMISTRY, PROGRAM IMPROVEMENT, PROBLEM
 SOLVING, UNDERGRADUATE STUDY
97. SE 004 212 1 03 12 29
 FLETCHER, JACK E.
 SCIENCE EDUCATION ON THE ISLAND OF GUAM
 THE AMERICAN BIOLOGY TEACHER
 O1 00 68 4
 *BIOLOGY, *EDUCATIONAL PROGRAMS, *INTERNATIONAL EDUCATION, *SECONDARY
 SCHOOL SCIENCE, *TEACHER EDUCATION, EDUCATIONAL NEEDS, INSERVICE TEACHER
 EDUCATION, PROGRAM DESCRIPTIONS, GUAM, BSCS GREEN VERSION
98. SE 004 482 1 02 33 20
 FOX, JOHN N.
 LABORATORY BUILT ON AIR
 AMERICAN JOURNAL OF PHYSICS
 O9 00 68 3
 *COLLEGE SCIENCE, *CURRICULUM DEVELOPMENT, *MECHANICS, *PHYSICS, COMPUTER
 ASSISTED INSTRUCTION, COURSE DESCRIPTIONS, LABORATORY TECHNIQUES, SCIENCE
 EQUIPMENT, SCIENCE PROJECTS, SCIENCE COURSES, UNDERGRADUATE STUDY, UTICA
 COLLEGE, SYRACUSE UNIVERSITY

99. SE 005 498 1 02 72 17
 FRANZ, J. A.
 A PROPOSED PLAN FOR TEAM TEACHING OF GENERAL SCIENCE IN THE EIGHTH GRADE
 IN THE HITHERGREEN MIDDLE SCHOOL, WASHINGTON TOWNSHIP, MONTGOMERY COUNTY,
 OHIO
 DAYTON UNIVERSITY, OHIO, SCHOOL OF EDUCATION
 08 00 66 2
 *CURRICULUM PLANNING, *GENERAL SCIENCE, *INSTRUCTION, *SECONDARY SCHOOL
 SCIENCE, *TEAM TEACHING, ADMINISTRATION, GRADE 8, INDEPENDENT STUDY, LARGE
 GROUP INSTRUCTION, SMALL GROUP INSTRUCTION, HITHERGREEN MIDDLE SCHOOL,
 MONTGOMERY COUNTY, OHIO, 1966
100. SE 004 345 1 02 85 20
 FRAZIER, CALVIN M.
 A SCHOOL ADMINISTRATOR CONSIDERS THE ADOPTION OF A NEW PROGRAM
 SCIENCE AND CHILDREN
 03 00 68 4
 *CURRICULUM REVISION, *EDUCATIONAL OBJECTIVES, *EVALUATION, *ELEMENTARY
 SCHOOL SCIENCE, *SECONDARY SCHOOL SCIENCE, ADMINISTRATION
101. SE 005 588 3 02 72 15
 FREDRICKSON, CLIFFORD T.
 GUIDE FOR TEACHING SCIENCE PROBLEMS 1-2, GRADE XI OR XII
 SAN DIEGO CITY SCHOOLS, CALIFORNIA
 EDRS
 ED 023 610 MF \$1.00 HC \$13.45
 12 00 66 267
 *CURRICULUM, *GENERAL SCIENCE, *LOW ABILITY STUDENTS, *SECONDARY SCHOOL
 SCIENCE, *TEACHING GUIDES, COURSE DESCRIPTIONS, EVALUATION, GRADE 11,
 GRADE 12, INSTRUCTIONAL MATERIALS, INSTRUCTION, OBJECTIVES, SCIENCE
 ACTIVITIES, SCIENCE EQUIPMENT, SAN DIEGO CITY SCHOOLS, CALIFORNIA, 1966
102. SE 004 659 1 02 23 20
 FRIED, RAINER
 INTRODUCTION TO NEUROCHEMISTRY
 JOURNAL OF CHEMICAL EDUCATION
 05 00 68 14
 *BIOLOGY, *COLLEGE SCIENCE, *CHEMISTRY, *CURRICULUM, *NEUROCHEMISTRY,
 BIBLIOGRAPHIES, BIOCHEMISTRY, SCIENCE HISTORY, METABOLISM, PHYSIOLOGY
103. SE 004 093 3 02 13 37
 FROSCH, ROBERT A.
 UNIVERSITY CURRICULA IN THE MARINE SCIENCES, ACADEMIC YEAR 1967-68
 INTERAGENCY COMMITTEE ON OCEANOGRAPHY, WASHINGTON, D.C.
 EDRS
 ED 016 627 MF \$0.75 HC \$8.40
 67 166
 *CAREER PLANNING, *CURRICULUM, *EDUCATIONAL PROGRAMS, *OCEANOLOGY, CAREERS,
 COLLEGE SCIENCE, NATIONAL COUNCIL ON MARINE RESOURCES AND ENGINEERING
 DEVELOPMENT

104. SE 004 656 1 02 73 20
 FRYSHMAN, BERNARD
 A LABORATORY COURSE FOR NONSCIENCE MAJORS
 AMERICAN JOURNAL OF PHYSICS
 04 00 68 6
 *CURRICULUM DEVELOPMENT, *COLLEGE SCIENCE, *INTERDISCIPLINARY APPROACH,
 DISCOVERY LEARNING, GENERAL EDUCATION, GENERAL SCIENCE, LABORATORY
 ACTIVITIES, PHYSICAL SCIENCES, SCIENCE COURSES, BROOKLYN COLLEGE, NEW YORK
105. SE 005 943 1 02 63 17
 FULLER, EDWARD C.
 MULTIDISCIPLINARY COURSES FOR SCIENCE MAJORS
 JOURNAL OF CHEMICAL EDUCATION
 09 00 68 4
 *COLLEGE SCIENCE, *EDUCATIONAL PROGRAMS, *CURRICULUM, *MULTIDISCIPLINARY
 COURSES, *PHYSICAL SCIENCES, CHEMISTRY, PHYSICS, PROGRAM DESCRIPTIONS,
 RESEARCH REPORTS, UNDERGRADUATE STUDY, UNIFIED SCIENCE
106. SE 005 537 1 12 85 20
 GALLAGHER, JAMES JOSEPH
 A BROADER BASE FOR PRE-COLLEGE SCIENCE TEACHING
 EDUCATIONAL RESEARCH COUNCIL OF AMERICA, CLEVELAND, OHIO
 03 00 68 14
 *CURRICULUM DEVELOPMENT, *CONCEPTUAL FRAMEWORK, *ELEMENTARY SCHOOL
 SCIENCE, *SCIENTIFIC ENTERPRISE, *SECONDARY SCHOOL SCIENCE, *SCIENCE
 TEACHING, OBJECTIVES, SCIENCE COURSE IMPROVEMENT PROJECT, 1968
107. SE 005 661 1 02 95 20
 GATEWOOD, CLAUDE
 THE SCIENCE CURRICULUM VIEWED NATIONALLY
 THE SCIENCE TEACHER
 11 00 68 4
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *SCIENCE COURSE
 IMPROVEMENT PROJECT, *SECONDARY SCHOOL SCIENCE, EDUCATIONAL PROGRAMS,
 PAPERS, NATIONAL SCIENCE TEACHERS ASSOCIATION, NATIONAL SCIENCE FOUNDATION,
 PHYSICAL SCIENCE STUDY COMMITTEE, CHEMICAL BOND APPROACH, CHEMICAL
 EDUCATION MATERIALS STUDY, BIOLOGICAL SCIENCES CURRICULUM STUDY,
 ENGINEERING CONCEPTS CURRICULUM STUDY, INTRODUCTORY PHYSICAL SCIENCE,
 EDUCATIONAL RESEARCH COUNCIL OF AMERICA, MINNEMAST, UNIVERSITY OF
 MINNESOTA, 1968

108. SE 005 584 3 02 72 15
 GAY, PHILIP D.
 A GUIDE FOR TEACHING GENERAL SCIENCE 1-2 (8th)
 SAN DIEGO CITY SCHOOLS, CALIFORNIA
 EDRS
 ED 023 608 MF \$1.00 HC \$13.15
 67 261
 *CURRICULUM, *GENERAL SCIENCE, *SECONDARY SCHOOL SCIENCE, *TEACHING
 GUIDES, COURSE DESCRIPTIONS, GRADE 8, INSTRUCTIONAL MATERIALS, INSTRU-
 CTION, OBJECTIVES, SCIENCE EQUIPMENT
109. SE 004 183 1 02 92 29
 GENNARO, EUGENE D.; BOECK, CLARENCE H.
 USE OF SELF-INSTRUCTIONAL CARRELS IN SCIENCE TEACHING
 SCHOOL SCIENCE AND MATHEMATICS
 02 00 68 3
 *AUTOINSTRUCTIONAL PROGRAMS, *CURRICULUM DEVELOPMENT, *PROGRAM DESCRIP-
 TIONS, *SECONDARY SCHOOL SCIENCE, BIOLOGY, CHEMISTRY, CARRELS, EDUCATIONAL
 PROGRAMS, EARTH SCIENCE, PHYSICS, SCIENCE EQUIPMENT, TEACHER EDUCATION,
 SELF-INSTRUCTIONAL SCIENCE DEMONSTRATION CENTER, UPPER MIDWEST REGIONAL
 EDUCATIONAL LABORATORY
110. SE 005 482 2 02 53 29
 GEYER, R. E.
 TRENDS IN UNDERGRADUATE EDUCATION IN RENEWABLE NATURAL RESOURCES
 JOURNAL OF FORESTRY
 08 00 67 3
 *COLLEGE SCIENCE, *CURRICULUM DEVELOPMENT, *FORESTRY, *NATURAL RESOURCES,
 *UNDERGRADUATE EDUCATION, CONSERVATION EDUCATION, EDUCATIONAL TRENDS,
 EDUCATIONAL PROGRAMS, PROGRAM DESCRIPTIONS
111. SE 005 377 1 02 81 20
 GIDDINGS, MORSLEY G.
 SCIENCE FOR THE DISADVANTAGED
 TEACHERS COLLEGE RECORD
 03 00 66 8
 *ACADEMICALLY HANDICAPPED, *CURRICULUM DEVELOPMENT, *CULTURALLY
 DISADVANTAGED, *ELEMENTARY SCHOOL SCIENCE, EDUCATIONAL PROGRAMS, LOW
 ACHIEVERS, LOW ABILITY, NEGRO STUDENTS, STUDENT CHARACTERISTICS, STUDENT
 MOTIVATION
112. SE 004 771 1 03 12 29
 GILLESPIE, A. S.
 PIONEERS OF SCHOOL BIOLOGY TEACHING
 BIOLOGY OF HUMAN AFFAIRS
 66 8
 *BIOLOGY, *EDUCATIONAL PROGRAMS, *INTERNATIONAL EDUCATION, *SECONDARY
 SCHOOL SCIENCE, *SCIENCE EDUCATION HISTORY, COLLEGE SCIENCE, EDUCATIONAL
 CHANGE, INSTRUCTION, PROGRAM DESCRIPTIONS, ENGLAND, SCOTLAND

113. SE 004 270 1 25 95 29
 COMEZ, SEVERO
 TEXAS SCIENCE EDUCATION GOES INTERNATIONAL IN EXCHANGE WITH GUATEMALA
 THE SCIENCE TEACHER
 03 00 68 2
 *ELEMENTARY EDUCATION, *INTERNATIONAL EDUCATION, *PROGRAM DESCRIPTIONS,
 *SCIENCES, *SOCIAL SCIENCES, *TEACHER EXCHANGE PROGRAMS, SECONDARY
 EDUCATION, TEXAS EDUCATION AGENCY, FOUR-STATE PROJECT ON INTERNATIONAL
 EDUCATION, GUATEMALA MINISTRY OF EDUCATION, AGENCY FOR INTERNATIONAL
 DEVELOPMENT, BSCS, PSSC, CHEMS, 1968
114. SE 004 221 1 03 12 29
 GORDON, BERNARD L.
 AN OCEAN SCIENCE PROGRAM FOR PRE-COLLEGE STUDENTS
 THE AMERICAN BIOLOGY TEACHER
 02 00 68 3
 *BIOLOGY, *EDUCATIONAL PROGRAMS, *OCEANOLOGY, *SECONDARY SCHOOL SCIENCE,
 ADVANCED PROGRAMS, EARTH SCIENCE, PROGRAM DESCRIPTIONS, STUDENT RESEARCH,
 STUDENT PROJECTS
115. SE 005 608 1 03 55 29
 GREENE, KINGSLEY L.
 NATURAL ENVIRONMENT AWARENESS
 PART II: INCLUDING FIELD TRIPS
 THE AMERICAN BIOLOGY TEACHER
 09 00 68 5
 *ELEMENTARY SCHOOL SCIENCE, *FIELD TRIPS, *OUTDOOR EDUCATION, *SECONDARY
 SCHOOL SCIENCE, *TEACHER EDUCATION, EDUCATIONAL PROGRAMS, ECOLOGY,
 NATURAL SCIENCES
116. SE 004 314 2 03 71 17
 GRIFFIN, RAYMOND VERNON
 AN ANALYSIS OF SELECTED SCIENCE CONCEPTS TO DETERMINE INDUSTRIAL ARTS
 RELATED EXPERIENCES SUITABLE FOR AN INTEGRATED ELEMENTARY INDUSTRIAL
 ARTS PROGRAM AT THE INTERMEDIATE GRADE LEVELS
 COLORADO STATE COLLEGE, GREELEY
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 65 212
 *DOCTORAL THESES, *ELEMENTARY SCHOOL SCIENCE, *ELEMENTARY SCHOOL INDUSTRIAL
 ARTS, *INDUSTRIAL ARTS, *SCIENTIFIC CONCEPTS, CURRICULUM DEVELOPMENT,
 GENERAL SCIENCE, RESEARCH REPORTS, 1965
117. SE 004 736 1 03 95 29
 GRUVER, WILLIAM J.; PILTZ, ALBERT
 MODERN SCIENCE AND YOUR CHILD
 UNITED STATES OFFICE OF EDUCATION, WASHINGTON, D.C.
 GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C.
 63 40
 *ELEMENTARY SCHOOL SCIENCE, *EDUCATIONAL PROGRAMS, *SCIENCE EDUCATION,
 *SECONDARY SCHOOL SCIENCE, BIOLOGY, CHEMISTRY, EARTH SCIENCE, GENERAL
 SCIENCE, PARENT SCHOOL RELATIONSHIP, PHYSICS, UNITED STATES OFFICE OF
 EDUCATION

118. SE 004 279 1 02 32 20
 HABER-SCHAIM, URI
 THE USE OF THE PSSC PHYSICS COURSE IN THE UNITED STATES
 THE PHYSICS TEACHER
 02 00 68 2
 *CURRICULUM, *PHYSICS, *SECONDARY SCHOOL SCIENCE, ENROLLMENTS, SCIENCE
 EQUIPMENT, TESTS, TEXTBOOKS, PHYSICAL SCIENCE STUDY COMMITTEE
119. SE 004 079 3 03 72 17
 HALE, JAMES ROBERT
 THE OUTCOMES OF PARTICIPATION IN SCIENCE PROJECT ACTIVITIES AMONG NINTH
 GRADE SCIENCE STUDENTS IN MULTNOMAH COUNTY, OREGON
 OREGON STATE UNIVERSITY, CORVALLIS
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 ED 025 405 NOT AVAILABLE FROM EDRS
 67 142
 *GENERAL SCIENCE, *SECONDARY SCHOOL SCIENCE, *SCIENCE PROJECTS, *SCIENCE
 FAIRS, DOCTORAL THESES EVALUATION, GRADE 9, INSTRUCTION, PROGRAM
 EVALUATION, STEP SCIENCE TEST, OCCUPATIONAL INTEREST INVENTORY
120. 004 796 1 02 23 20
 HAMMOND, GEORGE S.; GRAY, HARRY B.
 CHEMICAL DYNAMICS FOR COLLEGE FRESHMEN
 JOURNAL OF CHEMICAL EDUCATION
 06 00 68 3
 *CURRICULUM, *CHEMISTRY, *COLLEGE SCIENCE, *CHEMICAL KINETICS, CHEMICAL
 CHANGE, COURSE DESCRIPTIONS, UNDERGRADUATE STUDY
121. SE 004 331 1 03 13 20
 HANES, TED L.
 PROBLEMS RELATED TO BIOLOGY IN THE JUNIOR COLLEGE
 THE AMERICAN BIOLOGY TEACHER
 11 00 67 2
 *COLLEGE SCIENCE, *ECOLOGY, *JUNIOR COLLEGES, CURRICULUM DEVELOPMENT,
 CONFERENCES, EDUCATIONAL PROGRAMS, SCIENCE FACILITIES, SOCIALLY DISADVAN-
 TAGED, TEACHER CERTIFICATION, TRANSFER STUDENTS, TEACHER EDUCATION,
 UNDERACHIEVERS, VOCATIONAL EDUCATION
122. SE 005 618 1 03 95 29
 HAYNES, ROBERT C.
 THE POWER OF IDEAS - A REPORT ABOUT A COMMUNITY MATHEMATICS-SCIENCE CENTER
 THE SCIENCE TEACHER
 10 00 68 2
 *EDUCATIONAL PROGRAMS, *MATHEMATICS, *NATURAL SCIENCES, *PROGRAM
 DESCRIPTIONS, *SUPPLEMENTARY EDUCATIONAL CENTERS, ENRICHMENT PROGRAMS,
 GENERAL EDUCATION, INSERVICE EDUCATION, INFORMATION DISSEMINATION, TEACHER
 EDUCATION, RICHMOND, VIRGINIA, ELEMENTARY AND SECONDARY EDUCATION ACT,
 1968

23. SE 004 203 1 03 81 17
 HEDGES, WILLIAM D.; MACDOUGALL, MARY ANN
 AN INVESTIGATION OF THE STATUS OF SCIENCE EDUCATION IN SELECTED PUBLIC
 ELEMENTARY SCHOOLS OF VIRGINIA
 SCIENCE EDUCATION
 02 00 64 6
 *EDUCATIONAL PROGRAMS, *ELEMENTARY SCHOOL SCIENCE, *SCIENCE EDUCATION,
 INSERVICE TEACHER EDUCATION, PROGRAM EVALUATION, RESEARCH REPORTS, SCIENCE
 FACILITIES, SCIENCE EQUIPMENT, STATE SURVEYS, TEACHING PROCEDURES, TEACHER
 BACKGROUND, TEACHER ATTITUDES, STEP SCIENCE TEST, VIRGINIA, 1964
124. SE 005 738 1 02 23 20
 HERMAN, HARVEY B.; LEYDEN, DONALD E.
 USE OF COMPUTERS IN ANALYTICAL CHEMISTRY COURSES
 JOURNAL OF CHEMICAL EDUCATION
 08 00 68 4
 *CHEMISTRY, *CHEMICAL ANALYSIS, *CURRICULUM, *INSTRUMENTAL ANALYSIS,
 COLLEGE SCIENCE, COMPUTER ORIENTED PROGRAMS, COMPUTERS
125. SE 004 209 1 03 12 29
 HERNANDEZ, DOLORES F.; VERGARA, BENITO S.
 INTRODUCING BIOLOGY CURRICULUM INNOVATIONS IN PHILIPPINE SCHOOLS
 THE AMERICAN BIOLOGY TEACHER
 01 00 68 5
 *BIOLOGY, *EDUCATIONAL PROGRAMS, *EDUCATIONAL PROBLEMS, *INTERNATIONAL
 EDUCATION, *SECONDARY SCHOOL SCIENCE, PROGRAM DESCRIPTIONS, SCIENCE
 COURSE IMPROVEMENT PROJECT, TEACHER ATTITUDES, TEACHER EDUCATION,
 PHILIPPINES, BSCS GREEN VERSION
126. SE 004 342 1 02 42 20
 HIGGINS, JON L.; BOYER, ROBERT E.
 EXPERIMENTAL EARTH SCIENCE FOR EIGHTH GRADE - A COOPERATIVE COLLEGE-
 SCHOOL SCIENCE PROGRAM
 THE SCIENCE TEACHER
 01 00 68 3
 *CURRICULUM DEVELOPMENT, *EARTH SCIENCE, *SECONDARY SCHOOL SCIENCE,
 *TEACHER EDUCATION, CURRICULUM, GRADE 8, INSERVICE EDUCATION, SCIENCE
 ACTIVITIES, EARTH SCIENCE CURRICULUM PROJECT, NATIONAL SCIENCE FOUNDATION,
 SAN ANTONIO, TEXAS

127. SE 004 621 3 02 35 17
 HOFFART, ERVIN H.
 THE ROLE OF HIGH SCHOOL TEACHERS IN DISSEMINATING NEW ELEMENTARY
 SCIENCE CURRICULUM
 EDUCATION DEVELOPMENT CENTER, NEWTON, MASSACHUSETTS
 EDRS
 ED 020 134 MF \$0.25 HC \$1.75
 03 00 68 33
 *CURRICULUM DEVELOPMENT, *INSERVICE TEACHER EDUCATION, *PHYSICS, *STUDENT
 TEACHERS, *SCIENCE COURSE IMPROVEMENT PROJECT, *SECONDARY SCHOOL SCIENCE,
 *TEACHER WORKSHOPS, *TEACHER EDUCATION, INFORMATION DISSEMINATION,
 ELEMENTARY SCHOOL SCIENCE, RESEARCH REPORTS, PHYSICAL SCIENCE STUDY
 COMMITTEE, ELEMENTARY SCIENCE STUDY, INTRODUCTORY PHYSICAL SCIENCE,
 HARVARD PROJECT PHYSICS, INTERMEDIATE SCIENCE CURRICULUM STUDY,
 EDUCATIONAL DEVELOPMENT CENTER
128. SE 065 808 1 02 12 20
 HOGG, M. E.
 THE NUFFIELD O-LEVEL BIOLOGY PROJECT, EXAMINATIONS AND TEACHERS IN
 TRAINING
 JOURNAL OF BIOLOGICAL EDUCATION
 08 00 68 3
 *BIOLOGY, *COURSE CONTENT EVALUATION, *EVALUATION, *INTERNATIONAL
 EDUCATION, *SECONDARY SCHOOL SCIENCE, GRADE 10, NUFFIELD PROJECT BIOLOGY
129. SE 005 499 1 02 22 17
 HOLOHAN, SISTER MARY ELLEN
 A PROPOSED CHEMISTRY LABORATORY GUIDELINE BASED ON TRENDS IN CURRENT
 CURRICULUM STUDIES
 DAYTON UNIVERSITY, OHIO, SCHOOL OF EDUCATION
 07 00 67 2
 *CURRICULUM DEVELOPMENT, *CHEMISTRY, *LABORATORY PROGRAMS, *SECONDARY
 SCHOOL SCIENCE, *SCIENCE ACTIVITIES, INSTRUCTION, LABORATORY EQUIPMENT,
 LABORATORY MANUALS, LABORATORY ACTIVITIES, CHEMICAL EDUCATION MATERIALS
 STUDY, CHEMICAL BOND APPROACH, NEW YORK, 1967
130. SE 004 535 2 03 95 29
 HOLSHOUSER, NANCY L.
 TEACHER'S NOTEBOOK BROCHURE
 SALISBURY CITY SCHOOLS, NORTH CAROLINA
 67 60
 *EDUCATIONAL PROGRAMS, *ELEMENTARY SCHOOL SCIENCE, *RESOURCE MATERIALS,
 *SECONDARY SCHOOL SCIENCE, BIBLIOGRAPHIES, EDUCATIONAL CENTERS, NATURAL
 SCIENCES, PHYSICAL SCIENCES, SCIENCE ACTIVITIES, SPACE SCIENCE, ELEMENTARY
 AND SECONDARY EDUCATION ACT, TITLE III, SALISBURY CITY SCHOOLS, NORTH
 CAROLINA

131. SE 004 764 1 02 92 22
 HOPKINS, STEPHEN
 SCIENCE-TECHNOLOGY - AN INTRODUCTION TO TECHNOLOGY FOR HIGH SCHOOL STUDENTS
 THE SCIENCE TEACHER
 05 00 68 2
 *CURRICULUM DEVELOPMENT, *INTERDISCIPLINARY PROGRAMS, *TECHNOLOGY, EDUCATIONAL OBJECTIVES, INDUSTRIAL ARTS, TECHNOLOGISTS
132. SE 005 700 1 03 43 29
 HOPPIN, RICHARD A.
 BRIEF REPORTS - THE WASATCH-UNITA SUMMER FIELD COURSE
 JOURNAL OF GEOLOGICAL EDUCATION
 10 00 68 2
 *COLLEGE SCIENCE, *EDUCATIONAL PROGRAMS, *FIELD STUDIES, *GEOLOGY, *SUMMER PROGRAMS, CURRICULUM DEVELOPMENT, EARTH SCIENCE, EVALUATION, OBJECTIVES, PROGRAM DESCRIPTIONS, KENNECOTT CORPORATION, ANACONDA MINING COMPANY, NEW-PARK MINING COMPANY, AMAX CORPORATION, WASATCH-UNITA MOUNTAINS, UNIVERSITY OF IOWA, PURDUE UNIVERSITY, UNIVERSITY OF MINNESOTA
133. SE 004 316 2 03 93 17
 HORNER, CARL MATTHEW
 A STUDY OF THE ATTAINMENT OF CERTAIN OBJECTIVES OF 1960-61 NATIONAL SCIENCE FOUNDATION ACADEMIC YEAR INSTITUTE AT SYRACUSE UNIVERSITY
 SYRACUSE UNIVERSITY, NEW YORK
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 65 312
 *EDUCATIONAL OBJECTIVES, *SCIENCE TEACHERS, DOCTORAL THESES, EVALUATION, GRADUATE STUDY, PROGRAM EVALUATION, RESEARCH REPORTS, *SCIENCE INSTITUTES, *TEACHER EDUCATION, TEACHER BACKGROUND, SYRACUSE UNIVERSITY, NATIONAL SCIENCE FOUNDATION
134. SE 004 210 1 03 12 27
 HOUSER, WILLIAM V.
 BIOLOGY EDUCATION IN TURKEY
 THE AMERICAN BIOLOGY TEACHER
 01 00 68 5
 *BIOLOGY, *EDUCATIONAL PROGRAMS, *INTERNATIONAL EDUCATION, *SECONDARY SCHOOL SCIENCE, ELEMENTARY SCHOOL SCIENCE, INSERVICE TEACHER EDUCATION, PROGRAM DESCRIPTIONS, SCIENCE FACILITIES, SCIENCE COURSE IMPROVEMENT PROJECT, TEACHER EDUCATION, TURKEY

135. SE 004 194 1 03 63 29
 HUDES, ISIDORE; MORIBER, GEORGE
 INTEGRATED SCIENCE EDUCATION
 THE SCIENCE TEACHER
 02 00 68 3
 *COLLEGE SCIENCE, *CURRICULUM, *EDUCATIONAL PROGRAMS, *UNIFIED SCIENCE,
 BIOLOGY, GENERAL EDUCATION, GEOLOGY, INSTRUCTION, PHYSICAL SCIENCES,
 PROGRAM DESCRIPTIONS, STUDENT ENROLLMENT, TEACHING ASSISTANTS, TEACHER
 EVALUATION, ALFRED P. SLOAN FOUNDATION, ANTIOCH COLLEGE, RENSSELAER
 POLYTECHNIC INSTITUTE, BROOKLYN COLLEGE, 1968
136. SE 004 713 1 03 12 29
 HUMMER, PAUL J., JR.
 THE OUTDOOR CLASSROOM - FOREST, STREAM, AND PO'ND
 THE AMERICAN BIOLOGY TEACHER
 03 00 68 4
 *BIOLOGY, *COURSE DESCRIPTIONS, *ECOLOGY, *SECONDARY SCHOOL SCIENCE,
 *SCIENCE ACTIVITIES, CURRICULUM DEVELOPMENT, EDUCATIONAL PROGRAMS,
 INSTRUCTION, BIOLOGICAL SCIENCES CURRICULUM STUDY, GREEN VERSION
137. SE 005 775 1 02 35 17
 HUQUE, ABU OBAIDUL
 AN INVESTIGATION INTO THE IMPLEMENTATION OF THE HIGHER SECONDARY PHYSICS
 CURRICULUM AND STUDENTS' FAILURE IN THE COLLEGES UNDER THE COMILLA BOARD,
 EAST PAKISTAN
 COLORADO STATE COLLEGE
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 68 141
 *CURRICULUM, *COLLEGE SCIENCE, *INTERNATIONAL EDUCATION, *PHYSICS,
 *SECONDARY SCHOOL SCIENCE, DOCTORAL THESES, INSTRUCTION, PROGRAM EVAL-
 UATION, RESEARCH REPORTS, SCIENCE FACILITIES, HIGHER SECONDARY PHYSICS
 CURRICULUM, EAST PAKISTAN
138. SE 004 351 2 03 96 37
 ILLINOIS STATE DEPARTMENT OF EDUCATION
 ILLINOIS JOURNAL OF EDUCATION
 ILLINOIS STATE DEPARTMENT OF EDUCATION, SPRINGFIELD
 04 00 66 75
 *HEALTH PROGRAMS, *HEALTH EDUCATION, *HEALTH PERSONNEL, *TEACHER EDUCATION,
 CURRICULUM, EDUCATIONAL NEEDS, ELEMENTARY SCHOOL SCIENCE, INSTRUCTION,
 LEGISLATIVE ACTS, SCHOOL HEALTH SERVICES, SEX EDUCATION, SECONDARY SCHOOL
 SCIENCE, SCHOOL HEALTH EDUCATION STUDY
139. SE 005 483 1 02 25 32
 INTERMEDIATE SCIENCES CURRICULUM STUDY
 INTERMEDIATE SCIENCE CURRICULUM STUDY NEWSLETTER
 FLORIDA STATE UNIVERSITY, TALLAHASSEE, ISCS
 10 00 67 6
 *CURRICULUM DEVELOPMENT, *GENERAL SCIENCE, *INTERMEDIATE GRADES, *SCIENCE
 COURSE IMPROVEMENT PROJECT, *SECONDARY SCHOOL SCIENCE, CONFERENCE REPORTS,
 EVALUATION, NEWSLETTERS, TESTING PROGRAMS, TEACHER PARTICIPATION, INTER-
 MEDIATE SCIENCE CURRICULUM STUDY, 1967

140. SE 004 393 1 03 81 20
 JACOBSON, WILLARD J.
 TEACHER EDUCATION AND ELEMENTARY SCHOOL SCIENCE, 1980
 JOURNAL OF RESEARCH IN SCIENCE TEACHING
 68 8
 *EDUCATIONAL CHANGE, *ELEMENTARY SCHOOL SCIENCE, *TEACHER EDUCATION,
 EDUCATIONAL PROGRAMS, SCIENCE TEACHERS
141. SE 005 873 1 03 22 20
 JAMES, ROBERT K.
 MEANINGFUL RESEARCH EXPERIENCES FOR HIGH ABILITY SCIENCE STUDENTS
 SCHOOL SCIENCE AND MATHEMATICS
 10 00 68 7
 *ABLE STUDENTS, *CHEMISTRY, *RESEARCH OPPORTUNITIES, *SECONDARY SCHOOL
 SCIENCE, EDUCATIONAL PROGRAMS, RESEARCH, SECONDARY SCIENCE TRAINING
 PROGRAM, NATIONAL SCIENCE FOUNDATION
142. SE 004 224 1 03 12 20
 JENSEN, LAMONT
 A DESCRIPTION OF TEAM TEACHING AT ROY HIGH SCHOOL
 THE AMERICAN BIOLOGY TEACHER
 02 00 68 5
 *BIOLOGY, *EDUCATIONAL PROGRAMS, *INSTRUCTION, *SECONDARY SCHOOL SCIENCE,
 *TEAM TEACHING, INSTRUCTIONAL AIDS, PROGRAM DESCRIPTIONS, TEACHING
 PROCEDURES, BIOLOGICAL SCIENCES CURRICULUM STUDY, ROY HIGH SCHOOL,
 ROY, UTAH
143. SE 004 029 3 02 51 17
 JOHNSON, MERVIN LEROY
 A DETERMINATION OF AEROSPACE PRINCIPLES DESIRABLE FOR INCLUSION IN FIFTH
 OR SIXTH GRADE SCIENCE PROGRAMS
 COLORADO STATE COLLEGE, GREELEY
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 ED 021 710 NOT AVAILABLE FROM EDRS
 66 226
 *AEROSPACE TECHNOLOGY, *CURRICULUM, *COURSE CONTENT, *ELEMENTARY SCHOOL
 SCIENCE, CURRICULUM DEVELOPMENT, GRADE 5, GRADE 6, INSTRUCTION, RESEARCH
 REPORTS
144. SE 005 430 1 02 12 17
 JUNGWIRTH, E.
 TEACHING FOR "UNDERSTANDING OF SCIENCE"
 JOURNAL OF BIOLOGICAL EDUCATION
 03 00 68 13
 *ACHIEVEMENT, *BIOLOGY, *CURRICULUM, *SCIENTIFIC ENTERPRISE, *SECONDARY
 SCHOOL SCIENCE, EVALUATION, EDUCATIONAL OBJECTIVES, GRADE 9, GRADE 10,
 RESEARCH REPORTS, SCIENCE CONCEPTS, STUDENT ACHIEVEMENT, TEACHER BACKGROUND,
 BSCS BIOLOGY (YELLOW VERSION), TEST ON UNDERSTANDING SCIENCE, ISRAEL

145. SE 004 714 1 03 15 29
 KELLY, GARY F.
 A WEEK OF FRESH-WATER BIOLOGY FOR TEENAGERS
 THE AMERICAN BIOLOGY TEACHER
 03 00 68 5
 *BIOLOGY, *COURSE DESCRIPTIONS, *SUMMER PROGRAMS, AQUATIC BIOLOGY,
 CURRICULUM DEVELOPMENT, ELEMENTARY SCHOOL SCIENCE, EDUCATIONAL PROGRAMS,
 INSTRUCTION, SCIENCE ACTIVITIES, ST. LAWRENCE UNIVERSITY
146. SE 005 544 1 02 12 12
 KELLY, P. J.; DOWDESWELL, W. H.
 NUFFIELD A-LEVEL BIOLOGY PROJECT, REPORT OF THE TRIAL EXAMINATIONS
 MARCH AND JULY, 1967
 THE NUFFIELD FOUNDATION, LONDON, ENGLAND
 01 00 68 27
 *ACHIEVEMENT TESTS, *BIOLOGY, *EVALUATION, *SECONDARY SCHOOL SCIENCE,
 *TEST CONSTRUCTION, MULTIPLE CHOICE QUESTIONS, NUFFIELD FOUNDATION,
 ENGLAND, 1968, NUFFIELD A-LEVEL BIOLOGY PROJECT
147. SE 005 543 1 02 92 22
 KEOHANE, K. W.
 SUPPLEMENT OF THE NUFFIELD FOUNDATION TEACHING PROJECT'S 16-18 PROGRAMMES
 EDUCATION IN SCIENCE
 04 00 67 15
 *CURRICULUM DEVELOPMENT, *PROJECT REPORTS, *SECONDARY SCHOOL SCIENCE,
 *SCIENCE COURSE IMPROVEMENT PROJECT, BIOLOGY, CHEMISTRY, COURSE CONTENT,
 EDUCATIONAL OBJECTIVES, PHYSICAL SCIENCES, SCIENCE EQUIPMENT, TEACHING
 AIDS, 1967, NUFFIELD FOUNDATION, ENGLAND
148. SE 005 615 1 02 62 20
 KEOHANE, KEVIN W.
 TOWARD AN INTEGRATED TEACHING OF THE SCIENCES
 THE SCIENCE TEACHER
 10 00 68 5
 *CURRICULUM DEVELOPMENT, *SECONDARY SCHOOL SCIENCE, *UNIFIED SCIENCE,
 BIOLOGY, CONCEPTUAL SCHEMES, INTERNATIONAL EDUCATION, PHYSICAL SCIENCES,
 SCIENCE COURSE IMPROVEMENT PROJECT, THE NUFFIELD FOUNDATION, LONDON,
 ENGLAND, NATIONAL SCIENCE TEACHERS ASSOCIATION

149. SE 004 349 3 02 93 06
 KING, L. C.
 THE UNDERGRADUATE MATHEMATICS PROGRAM OF STUDENTS IN CHEMISTRY. A
 REPORT OF A CONFERENCE SPONSORED JOINTLY BY THE ADVISORY COUNCIL ON
 COLLEGE CHEMISTRY AND THE COMMITTEE ON THE UNDERGRADUATE PROGRAM IN
 MATHEMATICS
 ADVISORY COUNCIL ON COLLEGE CHEMISTRY
 EDRS
 ED 018 373 MF \$0.25 HC \$0.70
 06 00 67 12
 *CURRICULUM DEVELOPMENT, *COURSE CONTENT, *CHEMISTRY, *COLLEGE SCIENCE,
 *CONFERENCE REPORTS, *EDUCATIONAL PROGRAMS, *MATHEMATICS, *PHYSICAL
 SCIENCES, *UNDERGRADUATE STUDY, CALCULUS, ALGEBRA, STATISTICS, ADVISORY
 COUNCIL ON COLLEGE CHEMISTRY, COMMITTEE ON THE UNDERGRADUATE PROGRAM
 IN MATHEMATICS
150. SE 004 137 3 02 15 15
 KITZINGER, ANGELA; HILL, PATRICIA J.
 DRUG ABUSE - A SOURCE BOOK AND GUIDE FOR TEACHERS
 CALIFORNIA STATE DEPARTMENT OF EDUCATION, SACRAMENTO
 EDRS
 ED 016 630 MF \$0.75 HC \$6.95
 67 137
 *CURRICULUM, *DRUG ADDICTION, *DRUG LEGISLATION, *HEALTH EDUCATION,
 *TEACHING GUIDES, CURRICULUM PLANNING, ELEMENTARY SCHOOL SCIENCE,
 SECONDARY SCHOOL SCIENCE, *INSTRUCTION, CALIFORNIA
151. SE 004 690 1 02 32 20
 KLOPFER, LEOPOLD E.
 TEACHING PHYSICS FOR THE 21st CENTURY - SCIENCE AND ITS CULTURAL CONTEXT
 SCHOOL SCIENCE AND MATHEMATICS
 05 00 68 8
 *CULTURAL INTERRELATIONSHIPS, *CURRICULUM DEVELOPMENT, *EDUCATIONAL
 OBJECTIVES, *PHYSICS, *SECONDARY SCHOOL SCIENCE, PHYSICAL SCIENCES,
 SOCIOECONOMIC INFLUENCE, HARVARD PROJECT PHYSICS, IOWA SCIENCE AND
 CULTURE STUDY
152. SE 004 280 1 03 32 20
 HOOP, LOWELL
 HIGH SCHOOL PHYSICS BY AUDIO-TUTORIAL MODE
 THE PHYSICS TEACHER
 02 00 68 2
 *AUTOINSTRUCTIONAL AIDS, *INSTRUCTIONAL MATERIALS, *PHYSICS, *SECONDARY
 SCHOOL SCIENCE, AUDIOVISUAL AIDS, AUDIOTAPES, *CURRICULUM, EDUCATIONAL
 PROGRAMS, INSTRUCTION, SINGLE CONCEPT FILMS, TEACHING TECHNIQUES, PHYSICAL
 SCIENCE STUDY COMMITTEE

153. SE 004 318 2 03 93 17
 KOBAYASHI, TETSUYA
 GENERAL EDUCATION FOR SCIENTISTS AND ENGINEERS IN THE UNITED STATES OF AMERICA AND JAPAN
 MICHIGAN UNIVERSITY
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 65 401
 *CURRICULUM, *ENGINEERS, *ENGINEERING EDUCATION, *GENERAL EDUCATION, *HIGHER EDUCATION, *SCIENTISTS, *UNDERGRADUATE STUDY, DOCTORAL THESES, GRADUATE STUDY, PROFESSIONAL ASSOCIATIONS, RESEARCH REPORTS, TECHNOLOGY, UNIVERSITY OF MICHIGAN, UNITED STATES, JAPAN
154. SE 005 137 2 03 92 17
 KREGER, LEON WILLIAM
 LOCALLY DEVELOPED ADVANCED SCIENCE COURSES FOR ACADEMICALLY ABLE STUDENTS IN GRADES 11 AND 12 AS OFFERED IN THE PUBLIC SCHOOLS OF UPSTATE NEW YORK - 1963-64
 CORNELL UNIVERSITY
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 67 191
 *ABLE STUDENTS, *CURRICULUM, *EDUCATIONAL PROGRAMS, *SCIENCE COURSES, *SECONDARY SCHOOL SCIENCE, ADVANCED PROGRAMS, BIOLOGICAL SCIENCES, DOCTORAL THESES, GRADE 11, GRADE 12, RESEARCH REPORTS, NEW YORK, 1967
155. SE 004 674 1 02 42 22
 LADD, GEORGE T.
 ESCP - AN INVESTIGATIVE APPROACH FOR TEACHING EARTH SCIENCE TO STUDENTS OF ALL LEVELS OF ABILITY
 JOURNAL OF GEOLOGICAL EDUCATION
 04 00 68 4
 *ACADEMIC ACHIEVEMENT, *CURRICULUM DEVELOPMENT, *EARTH SCIENCE, *SECONDARY SCHOOL SCIENCE, *TEACHING PROCEDURES, ABLE STUDENTS, ACHIEVEMENT TESTS, LABORATORY EXPERIMENTS, LABORATORY TECHNIQUES, LOW ABILITY STUDENTS, SCIENTIFIC ATTITUDES, SCIENCE TESTS, EARTH SCIENCE CURRICULUM PROJECT, AMERICAN GEOLOGIC INSTITUTE, PSYCHOLOGICAL CORPORATION
156. SE 004 062 3 03 25 17
 LANDER, ALAN
 A COMPARISON OF THE EXTENT TO WHICH THE SAME ITEMS ARE TAUGHT IN HIGH SCHOOL COLLEGE PREPARATORY CHEMISTRY AND IN COLLEGE FRESHMAN CHEMISTRY
 BOSTON UNIVERSITY, MASSACHUSETTS, SCHOOL OF EDUCATION
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 ED 025 403 NOT AVAILABLE FROM EDRS
 66 363
 *CURRICULUM, *COURSE CONTENT, *CHEMISTRY, *COLLEGE SCIENCE, *SECONDARY SCHOOL SCIENCE, DOCTORAL THESES, TEACHER ATTITUDES, NEW ENGLAND, NEW JERSEY, NEW YORK

157. SE 005 291 1 02 81 29
 LASHIER, WILLIAM S., JR.
 A COOPERATIVE COLLEGE - SCHOOL SCIENCE PROJECT FOR ELEMENTARY SCHOOL
 TEACHERS
 UNIVERSITY OF KANSAS BULLETIN OF EDUCATION
 4
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *ELEMENTARY SCIENCE
 TEACHERS, *SUMMER INSTITUTES, *TEACHER EDUCATION, CURRICULUM EVALUATION,
 CURRICULUM PLANNING, PROGRAM DESCRIPTIONS, SCIENCE COURSE IMPROVEMENT
 PROJECT, 1968, NATIONAL SCIENCE FOUNDATION, THE COOPERATIVE COLLEGE
 SCHOOL SCIENCE PROJECT, SCIENCE PROCESS MEASURE FOR TEACHERS
158. SE 005 288 1 02 19 29
 LEHMAN, V. BOYD
 OUTDOOR SCHOOL IN THE SIERRA NEVADAS
 SCHOOL BOARD JOURNAL
 05 00 65 2
 *EDUCATIONAL PROGRAMS, *ELEMENTARY SCHOOL SCIENCE, *OUTDOOR EDUCATION,
 *PROGRAM DESCRIPTIONS, CURRICULUM DEVELOPMENT, GRADE 6, TEHACHAPI
 VALLEY, CALIFORNIA
159. SE 005 383 1 02 12 29
 LIEBHERR, HAROLD G.
 BIOLOGY FOR THE ACADEMICALLY UNSUCCESSFUL
 THE NORTH CENTRAL ASSOCIATION QUARTERLY
 4
 *BIOLOGY, *CURRICULUM DEVELOPMENT, *SECONDARY SCHOOL SCIENCE, *SLOW
 LEARNER, EDUCATIONAL PROGRAMS, PROGRAM DESCRIPTIONS, STUDENT CHARACTER-
 ISTICS, BIOLOGICAL SCIENCES CURRICULUM STUDY SPECIAL MATERIALS
160. SE 005 382 1 02 92 20
 LINDSAY, FRANK B.
 JUNIOR HIGH SCHOOL SCIENCE IN EMERGING DIRECTIONS OF DEVELOPMENT
 JOURNAL OF SECONDARY EDUCATION
 03 00 66 5
 *CURRICULUM DEVELOPMENT, *EDUCATIONAL TRENDS, *SECONDARY SCHOOL SCIENCE,
 ADVISORY COMMITTEES, BIOLOGY, EARTH SCIENCE, SCIENCE COURSE IMPROVEMENT
 PROJECT, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, NATIONAL
 DEFENSE EDUCATION ACT, NATIONAL SCIENCE FOUNDATION, THE ATOMIC ENERGY
 COMMISSION, AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, AMERICAN INSTITUTE
 OF PHYSICS, AMERICAN CHEMICAL SOCIETY, PRINCETON SECONDARY SCHOOL SCIENCE
 PROJECT

161. SE 005 062 2 03 92 29
 LINSKY, RONALD E.
 A HANDS ON PRACTICE OF SCIENCE
 ORANGE COUNTY SCHOOLS MARINE SCIENCE FLOATING LABORATORY, NEWPORT BEACH,
 CALIFORNIA
 67 6
 *EDUCATIONAL PROGRAMS, *OCEANOLOGY, *SCIENCE FACILITIES, *SCIENCE ACTIVITIES,
 *SECONDARY SCHOOL SCIENCE, BIOLOGY, CURRICULUM DEVELOPMENT, EARTH SCIENCE,
 PROGRAM DESCRIPTIONS, ORANGE COUNTY SCHOOLS, CALIFORNIA, ELEMENTARY AND
 SECONDARY EDUCATION ACT, TITLE III, 1967
162. SE 005 226 1 02 81 20
 LIPSON, JOSEPH I.
 A SUGGESTED APPROACH TO THE ELEMENTARY SCHOOL SCIENCE CURRICULUM
 UNIVERSITY OF PITTSBURGH, PENNSYLVANIA, LEARNING RESEARCH AND DEVELOPMENT
 CENTER
 05 00 68 18
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *SCIENTIFIC CONCEPTS,
 AUDIOVISUAL AIDS, EDUCATIONAL OBJECTIVES, PAPERS, SCIENCE ACTIVITIES, 1968
163. SE 005 420 3 02 72 15
 LISTON, ROBERT H.
 SENIOR HIGH SCHOOL SCIENCE CURRICULUM GUIDELINES
 DUVAL COUNTY BOARD OF PUBLIC INSTRUCTION, JACKSONVILLE, FLORIDA
 EDRS
 ED 023 604 MF \$0.75 HC \$9.75
 66 193
 *CURRICULUM DEVELOPMENT, *COURSE DESCRIPTIONS, *CURRICULUM GUIDES,
 *SECONDARY SCHOOL SCIENCE, BIOLOGY, CHEMISTRY, COURSE OBJECTIVES, COURSE
 ORGANIZATION, GRADE 10, GRADE 11, GRADE 12, INSTRUCTION, PHYSICS, TEACHING
 GUIDES, BOARD OF PUBLIC INSTRUCTION, FLORIDA, DUVAL COUNTY, 1966
164. SE 004 932 1 02 95 20
 LOWERY, LAWRENCE F.; CARLSON, JERRY S.
 RESEARCH AND DEVELOPMENT OF SCIENCE PROGRAMS - DIMENSIONS FOR CONSIDERATION
 SCHOOL SCIENCE AND MATHEMATICS
 06 00 68 11
 *ELEMENTARY SCHOOL SCIENCE, *LEARNING, *PROGRAM PLANNING, *SCIENCE EDUCA-
 TION, *TEACHER EDUCATION, CURRICULUM PLANNING, COGNITIVE DEVELOPMENT,
 INSTRUCTION, INTERACTION PROCESS ANALYSIS, SECONDARY SCHOOL SCIENCE

165. SE 005 614 1 03 82 29
 LUNETTA, VINCENT N.
 SCIENCE AND MAN - A DISCUSSION SERIES FOR SECONDARY SCHOOLS
 THE SCIENCE TEACHER
 10 00 67 3
 *EDUCATIONAL PROGRAMS, *PROGRAM DESCRIPTIONS, *SECONDARY SCHOOL SCIENCE,
 ABLE STUDENTS, ART, CONSERVATION, CURRICULUM, HUMAN BEHAVIOR, MUSIC,
 RELIGION, TECHNOLOGY, SOCIOECONOMIC INFLUENCES, ENFIELD HIGH SCHOOL,
 THOMPSONVILLE, CONNECTICUT
166. SE 004 109 1 03 45 20
 MANN, JOHN A.
 HIGH SCHOOL GEOLOGY FOR ADULTS
 JOURNAL OF GEOLOGICAL EDUCATION
 12 00 67 4
 *ADULT EDUCATION, *EARTH SCIENCE, *GEOLOGY, *SECONDARY SCHOOL SCIENCE,
 ACADEMIC ACHIEVEMENT, EDUCATIONAL PROGRAMS, PHYSICAL SCIENCES, STUDENT
 CHARACTERISTICS, SCIENCE COURSES, EARTH SCIENCE CURRICULUM PROJECT,
 WHITTIER, CALIFORNIA
167. SE 004 913 3 02 23 20
 MARQUARDT, D. N.
 SELECTED PAPERS FROM REGIONAL CONFERENCES 1966-67, REPORTS FROM
 REGIONAL CONFERENCES
 ADVISORY COUNCIL ON COLLEGE CHEMISTRY
 EDRS
 ED 120 915 MF \$0.50 HC \$4.20
 05 00 68 82
 *CURRICULUM DEVELOPMENT, *COLLEGE SCIENCE, *CHEMISTRY, *COMMUNITY
 COLLEGES, *UNDERGRADUATE STUDY, ANALYTICAL CHEMISTRY, CONFERENCES,
 INSTRUCTION, LABORATORY SAFETY, ORGANIC CHEMISTRY, SCIENCE ACTIVITIES,
 TEACHING TECHNIQUES, ADVISORY COUNCIL ON COLLEGE CHEMISTRY
168. SE 005 283 1 03 11 29
 MARSH, NORMAN
 OUTDOOR LEARNING ON THE SCHOOL SITE
 CALIFORNIA EDUCATION
 05 00 66 2
 *ELEMENTARY SCHOOL SCIENCE, *EDUCATIONAL PROGRAMS, *OUTDOOR EDUCATION,
 *SCIENCE FACILITIES, BIOLOGY, CONSERVATION EDUCATION, NATURE CENTERS,
 PROGRAM DESCRIPTIONS, SACRAMENTO, CALIFORNIA

169. SE 005 285 1 03 95 29
 MARTIN, WILLIAM R.
 OHIO'S MOST EXCITING NEW CLASSROOM
 OHIO SCHOOLS
 09 00 65 4
 *COMMUNITY RESOURCES, *EDUCATIONAL PROGRAMS, *PROGRAM DESCRIPTIONS,
 *SCIENCE CENTERS, AEROSPACE TECHNOLOGY, ELEMENTARY SCHOOL SCIENCE, FIELD
 TRIPS, HEALTH EDUCATION, HISTORY, PHYSICAL SCIENCES, PLANETARIUMS,
 SECONDARY SCHOOL SCIENCE, CENTER OF SCIENCE AND INDUSTRY
170. SE 005 612 1 03 22 20
 MAXWELL, JANE L.
 ADVANCED PLACEMENT CHEMISTRY - AIMS AND PHILOSOPHY
 THE SCIENCE TEACHER
 10 00 68 1
 *ADVANCED COURSES, *SECONDARY SCHOOL SCIENCE, *CHEMISTRY, *EDUCATIONAL
 PROGRAMS, *PHILOSOPHY, ABLE STUDENTS, SCIENCE ACTIVITIES, ADVANCED
 PLACEMENT CHEMISTRY, COLLEGE ENTRANCE EXAMINATION BOARD
171. SE 005 284 1 03 21 29
 MEADOWS, EDNA L.
 THIS IS BSCS BIOLOGY
 ILLINOIS EDUCATION
 10 00 65 4
 *BIOLOGY, *EDUCATIONAL PROGRAMS, *SECONDARY SCHOOL SCIENCE, *SCIENCE
 COURSE IMPROVEMENT PROJECT, INSTRUCTIONAL MATERIALS, PROGRAM DESCRIPTIONS,
 BIOLOGICAL SCIENCES CURRICULUM STUDY
172. SE 005 887 1 02 93 20
 MEYER, J. H.
 AN OPINION CONCERNING TOMORROW'S COLLEGES OF AGRICULTURE
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES,
 WASHINGTON, D. C.
 10 00 67 3
 *AGRICULTURE, *COLLEGE SCIENCE, *EDUCATIONAL PROGRAMS, BIOLOGICAL
 SCIENCES, EDUCATIONAL OBJECTIVES, INSTRUCTION, RESEARCH, COMMISSION
 ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES, 1967
173. SE 005 642 1 03 33 29
 MICHELS, WALTER C.
 AMERICAN JOURNAL OF PHYSICS - OUTLINE OF A COURSE IN PLASMA PHYSICS
 AMERICAN JOURNAL OF PHYSICS
 08 00 63 51
 *COURSE DESCRIPTIONS, *COLLEGE SCIENCE, *PHYSICS, *SCIENCE COURSES,
 EDUCATIONAL PROGRAMS, PLASMA PHYSICS, PROGRAM DESCRIPTIONS, COMMISSION
 ON COLLEGE PHYSICS, 1963

174. SE 005 585 3 02 62 15
 MILLSTONE, H. GEORGE
 GUIDE FOR TEACHING CHEMISTRY-PHYSICS COMBINED 1-2, 3-4 (PSSC - CHEMS)
 SAN DIEGO CITY SCHOOLS, CALIFORNIA
 EDRS
 ED 023 604 MF \$6.50 HC \$3.05
 66 59
 *CURRICULUM DEVELOPMENT, *PHYSICAL SCIENCES, *SECONDARY SCHOOL SCIENCE,
 *TEACHING GUIDES, *UNIFIED SCIENCE, CHEMISTRY, COURSE DESCRIPTIONS,
 GRADE 11, GRADE 12, INSTRUCTIONAL MATERIALS, OBJECTIVES, PHYSICS,
 SCIENCE ACTIVITIES, PHYSICAL SCIENCE STUDY COMMITTEE, CHEMICAL EDUCATION
 MATERIALS STUDY, SAN DIEGO, CALIFORNIA, 1966
175. SE 005 034 2 03 95 14
 MINNESOTA STATE DEPARTMENT OF EDUCATION
 MINNESOTA CONSERVATION EDUCATION DIRECTORY
 MINNESOTA STATE DEPARTMENT OF EDUCATION, ST. PAUL
 68 57
 *ADULT EDUCATION, *CONSERVATION EDUCATION, *DIRECTORIES, EDUCATIONAL
 PROGRAMS, FIELD TRIPS, NATURE CENTERS, WORKSHOPS, MINNESOTA DEPARTMENT
 OF EDUCATION, 1968
176. SE 004 697 3 02 92 15
 MISSISSIPPI STATE DEPARTMENT OF EDUCATION
 SCIENCE IN THE JUNIOR HIGH SCHOOL: A COURSE OF STUDY AND TEACHING GUIDE
 FOR GRADES 7, 8, 9
 MISSISSIPPI STATE DEPARTMENT OF EDUCATION, JACKSON
 EDRS
 ED 921 744 MF \$1.25 HC \$16.95
 03 00 67 337
 *CURRICULUM DEVELOPMENT, *GENERAL SCIENCE, *SCIENCE ACTIVITIES, *SECONDARY
 SCHOOL SCIENCE, *TEACHING GUIDES, BIBLIOGRAPHIES, BIOLOGY, EARTH SCIENCE,
 PHYSICAL SCIENCES, MISSISSIPPI, STATE DEPARTMENT OF EDUCATION
177. SE 005 562 1 02 12 17
 MOONEY, E. W.
 PILOT STUDIES - AN EXPERIMENTAL USE OF THE YELLOW VERSION OF MATERIALS
 PRODUCED BY THE BIOLOGICAL SCIENCE CURRICULUM STUDY (BSCS)
 VIRGINIA STATE DEPARTMENT OF EDUCATION, RICHMOND
 11 00 65 3
 *BIOLOGY, *CURRICULUM DEVELOPMENT, *SECONDARY SCHOOL SCIENCE, *SCIENCE
 COURSES, COMPARATIVE ANALYSIS, RESEARCH REPORTS, SCIENCE COURSE IMPROVE-
 MENT PROJECT, STATE DEPARTMENT OF EDUCATION, RICHMOND, VIRGINIA,
 BIOLOGICAL SCIENCES CURRICULUM STUDY YELLOW VERSION, NELSON BIOLOGY
 TEST, THE SCHOOL AND COLLEGE ABILITY TESTS, SEQUENTIAL TESTS OF EDUCA-
 TIONAL PROGRESS, 1968

178. SE 005 563 1 02 72 17
 MOONEY, E. W.
 PILOT STUDIES - SCIENCE ENRICHMENT FOR THE ACADEMICALLY TALENTED
 VIRGINIA STATE DEPARTMENT OF EDUCATION, RICHMOND
 06 00 68 3
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *ENRICHMENT PROGRAMS,
 *INTERDISCIPLINARY APPROACH, *TALENTED STUDENTS, GRADE 5, GRADE 6,
 RESEARCH REPORTS, STATE DEPARTMENT OF EDUCATION, RICHMOND, VIRGINIA,
 VIRGINIA BEACH PUBLIC SCHOOLS, 1968
179. SE 005 561 1 02 42 17
 MOONEY, E. W.
 PILOT STUDIES - THE EARTH SCIENCE CURRICULUM PROJECT FOR THE NINTH GRADE
 VIRGINIA STATE DEPARTMENT OF EDUCATION, RICHMOND
 11 60 66 4
 *CURRICULUM DEVELOPMENT, *EARTH SCIENCE, *SCIENCE COURSES, *SECONDARY
 SCHOOL SCIENCE, COMPARATIVE ANALYSIS, GRADE 9, RESEARCH REPORTS, SCIENCE
 COURSE IMPROVEMENT PROJECT, EARTH SCIENCE CURRICULUM PROJECT, STATE
 DEPARTMENT OF EDUCATION, RICHMOND, VIRGINIA, NATIONAL SCIENCE FOUNDATION,
 THE SCHOOL AND COLLEGE ABILITY TESTS, SEQUENTIAL TESTS OF EDUCATIONAL
 PROGRESS, THE COOPERATIVE ADVANCED GENERAL SCIENCE TEST, FORM A,
 EDUCATIONAL TESTING SERVICE, 1968
180. SE 005 287 1 02 12 17
 MORRIS, MARTIN L.
 BIOLOGY FOR THE GENERAL STUDENT
 HIGH POINTS
 06 00 65 7
 *CURRICULUM DEVELOPMENT, *BIOLOGY, *INSTRUCTION, *SECONDARY SCHOOL SCIENCE,
 ABILITY GROUPING, ATTITUDES, COURSE DESCRIPTIONS, GENERAL EDUCATION, LOW
 ACHIEVERS, RESEARCH REPORTS
181. SE 005 732 1 02 23 20
 MORTON, MAURICE
 POLYMER CHEMISTRY IN THE UNDERGRADUATE CURRICULUM - SYMPOSIUM
 JOURNAL OF CHEMICAL EDUCATION
 08 00 68 2
 *CHEMISTRY, *CURRICULUM, *COLLEGE SCIENCE, INSTRUCTION, ORGANIC CHEMISTRY,
 POLYMER CHEMISTRY, UNDERGRADUATE STUDY, UNDERGRADUATE COURSES
182. SE 004 935 1 03 43 22
 MOSS, JOHN H.
 THE NAGT-USGS COOPERATIVE PROJECT, A NEW FOCUS ON EDUCATION IN FIELD
 GEOLOGY
 JOURNAL OF GEOLOGICAL EDUCATION
 06 00 68 2
 *COLLEGE SCIENCE, *EDUCATIONAL PROGRAMS, *GEOLOGY, FIELD GEOLOGY,
 GEOLOGISTS, GEOPHYSICS, PROJECT REPORTS, UNDERGRADUATE GEOLOGY, NATIONAL
 ASSOCIATION OF GEOLOGY TEACHERS, UNITED STATES GEOLOGICAL SURVEY

183. SE 005 439 1 03 71 20
 MCCALLUM, CAROL
 NON-GRADED TEAM TEACHING
 SCIENCE AND CHILDREN
 09 00 68 1
 *CURRICULUM, *EDUCATIONAL PROGRAMS, *ELEMENTARY SCHOOL SCIENCE, *TEAM
 TEACHING, *UNGRADED CLASSES, GENERAL SCIENCE, INSTRUCTION
184. SE 005 587 1 02 72 15
 MCCOMMINS, ROBERT; AND OTHERS
 GUIDE FOR GENERAL SCIENCE 1-2, GRADE 9 OR 10 AND GENERAL SCIENCE 1-2,
 GRADE 8
 SAN DIEGO CITY SCHOOLS, CALIFORNIA
 63 264
 *CURRICULUM, *GENERAL SCIENCE, *SECONDARY SCHOOL SCIENCE, *TEACHING
 GUIDES, ASTRONOMY, BIOLOGY, CHEMISTRY, GEOLOGY, GRADE 8, GRADE 9, GRADE 10,
 INSTRUCTIONAL MATERIALS, PHYSICS, SCIENCE ACTIVITIES, SAN DIEGO CITY
 SCHOOLS, CALIFORNIA, 1963
185. SE 005 693 1 02 33 29
 MCCORD, WILLIAM M.
 LABORATORY ARRANGEMENT IN A NEW PERSPECTIVE
 AMERICAN JOURNAL OF PHYSICS
 10 00 68 5
 *COLLEGE SCIENCE, *CURRICULUM DEVELOPMENTS, *PHYSICS, *SCIENCE LABOR-
 ATORIES, EDUCATIONAL PROGRAMS, INDIVIDUALIZED INSTRUCTION, JUNIOR COLLEGES,
 PROGRAM DESCRIPTIONS, SCIENCE FACILITIES
186. SE 004 116 1 03 13 29
 MCWILLIAMS, EDWARD L.
 EDUCATION AT THE UNIVERSITY OF MICHIGAN BOTANICAL GARDENS
 METROPOLITAN DETROIT SCIENCE REVIEW
 12 00 67 2
 *BOTANY, *EDUCATIONAL PROGRAMS, *PROGRAM DESCRIPTIONS, *SCIENCE FACILITIES,
 BIOLOGY, UNIVERSITY OF MICHIGAN
187. SE 005 282 1 02 12 29
 NATALI, V. F.
 BIOLOGY INSTRUCTION - PROBLEMS OF GENETICS IN THE SECONDARY SCHOOL COURSE
 SOVIET EDUCATION
 65 7
 *BIOLOGY, *CURRICULUM, *SECONDARY SCHOOL SCIENCE, COURSE DESCRIPTIONS,
 CELL THEORY, GENETICS, GRADE 9, INTERNATIONAL EDUCATION, RUSSIA

188. SE 004 193 1 03 92 29
 NEAL, VICTOR T.
 OCEANOGRAPHY FOR TEACHERS
 THE SCIENCE TEACHER
 02 00 68 1
 *EDUCATIONAL PROGRAMS, *OCEANOLOGY, *SUMMER PROGRAMS, *TEACHER EDUCATION,
 *ELEMENTARY SCHOOL SCIENCE, SECONDARY SCHOOL SCIENCE, OREGON STATE
 UNIVERSITY
189. SE 005 416 3 02 71 11
 NEW YORK CITY DEPARTMENT OF EDUCATION
 SCIENCE GRADES 3-4
 NEW YORK CITY BOARD OF EDUCATION, BROOKLYN
 EDRS, NEW YORK DEPARTMENT OF EDUCATION, 110 LIVINGSTON STREET, BROOKLYN
 ED 023 603 MF \$1.50 HARD COPY NOT AVAILABLE
 66 353
 *CURRICULUM, *ELEMENTARY SCHOOL SCIENCE, *GENERAL SCIENCE, *TEACHING
 GUIDES, BIOLOGY, EARTH SCIENCE, GRADE 3, GRADE 4, INSTRUCTIONAL MATERIALS,
 PHYSICAL SCIENCES, SCIENCE ACTIVITIES
190. SE 005 154 2 03 52 17
 NIXON, LOCHRAN CONNOR, JR.
 PHYSICAL SCIENCE OFFERINGS, ENROLLMENTS, AND THE PREPARATION OF PHYSICAL
 SCIENCE TEACHERS IN ALABAMA SENIOR HIGH SCHOOLS
 AUBURN UNIVERSITY
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 67 134
 *EDUCATIONAL PROGRAMS, *PHYSICAL SCIENCES, *SECONDARY SCHOOL SCIENCE,
 CHEMISTRY, DOCTORAL THESES, ENROLLMENT, PHYSICS, RESEARCH REPORTS, SURVEYS,
 SCIENCE COURSES, SCIENCE TEACHERS, AUBURN UNIVERSITY, ALABAMA, 1967
191. SE 005 281 1 02 81 29
 NIZOVA, A. M.
 NATURAL HISTORY IN THE PRIMARY GRADES
 SOVIET EDUCATION
 65 5
 *CURRICULUM, *ELEMENTARY SCHOOL SCIENCE, *NATURAL SCIENCES, AGRICULTURAL
 EDUCATION, COURSE DESCRIPTIONS, CURRICULUM DEVELOPMENT, INTERNATIONAL
 EDUCATION, INSTRUCTION, RUSSIA

192. SE 003 115 2 02 52 15
 NORTH CAROLINA STATE DEPARTMENT OF PUBLIC INSTRUCTION
 PHYSICAL SCIENCE SOURCEBOOK
 NORTH CAROLINA STATE DEPARTMENT OF PUBLIC INSTRUCTION, RALEIGH
 67 400
 *COURSE CONTENT, *CURRICULUM DEVELOPMENT, *EDUCATIONAL TELEVISION, *GRADE 9, *INSTRUCTIONAL MATERIALS, *PHYSICAL SCIENCES, *SECONDARY SCHOOL SCIENCE, AUDIOVISUAL AIDS, COURSE DESCRIPTIONS, INSTRUCTION, SCIENCE ACTIVITIES, TEACHING METHODS, TEACHING GUIDES, SCIENCE COURSES, NORTH CAROLINA
193. SE 004 472 1 02 86 37
 OBOURN, ELLSWORTH S.
 SCIENCE AS A WAY OF LIFE
 U. S. DEPARTMENT OF HEW, OFFICE OF EDUCATION
 61 27
 *CURRICULUM, *SCIENCE EDUCATION, *SCIENTIFIC LITERACY, BROCHURES, CRITICAL THINKING, ESSAYS, EDUCATIONAL OBJECTIVES, SCIENCES, TECHNOLOGY
194. SE 005 429 1 02 13 20
 ONIONS, T. G.
 SANDWICH COURSES FOR DEGREES IN APPLIED BIOLOGY
 JOURNAL OF BIOLOGICAL EDUCATION
 03 00 68 6
 *BIOLOGY, *COLLEGE SCIENCE, *CURRICULUM, *EDUCATIONAL PROGRAMS, *SCIENCE COURSES, *TECHNOLOGY, APPLIED SCIENCES, ENGLAND, SANDWICH COURSES
195. SE 005 156 3 02 82 17
 PAPARELLO, FRANK NICHOLAS
 JUNIOR HIGH SCHOOL SCIENCE: GUIDELINES FOR CURRICULUM IMPROVEMENT
 COLUMBIA UNIVERSITY, NEW YORK
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 ED 024 586 NOT AVAILABLE FROM EDRS
 66 114
 *CURRICULUM DEVELOPMENT, *SECONDARY SCHOOL SCIENCE, CURRICULUM, DOCTORAL THESES, GRADE 7, GRADE 8, GRADE 9, SCIENCE MANPOWER SERIES, MODERN JUNIOR HIGH SCHOOL SCIENCE, 1966
196. SE 004 565 2 02 63 32
 PARSEGLAN, V. L.
 INTRODUCTION TO NATURAL SCIENCE
 RENSSELAER POLYTECHNIC INSTITUTE, TROY, NEW YORK
 68 5
 *COLLEGE SCIENCE, *CURRICULUM DEVELOPMENT, *GENERAL EDUCATION, *INSTRUCTIONAL MATERIALS, *UNIFIED SCIENCE, BIOLOGICAL SCIENCES, PHYSICAL SCIENCES, SCIENCE COURSES, UNDERGRADUATE STUDY, INTRODUCTION TO NATURAL SCIENCE

197. SE 004 567 1 02 63 05
 PARSESIAN, V. L.
 REPORT ON THE AAAS SESSION, SCIENCE COURSES FOR BACCALAUREATE EDUCATION
 RENSSELAER POLYTECHNIC INSTITUTE, TROY, NEW YORK
 12 00 67 3
 *CURRICULUM DEVELOPMENT, *CONFERENCE REPORTS, *COLLEGE SCIENCE, *UNIFIED
 SCIENCE, COURSE DESCRIPTIONS, GENERAL EDUCATION, PHYSICAL SCIENCES,
 SCIENCE COURSES, AAAS, INTRODUCTION TO NATURAL SCIENCE
198. SE 004 566 1 02 63 19
 PARSESIAN, V. L.
 SCIENCE COURSES FOR BACCALAUREATE EDUCATION, PROGRESS LETTER
 RENSSELAER POLYTECHNIC INSTITUTE, TROY, NEW YORK
 03 00 68 2
 *CURRICULUM DEVELOPMENT, *COLLEGE SCIENCE, *PHYSICAL SCIENCES, *UNIFIED
 SCIENCES, AUDIOVISUAL AIDS, INSTRUCTIONAL MATERIALS, TEXTBOOKS, TEACHING
 GUIDES, SCIENCE COURSES, INTRODUCTION TO NATURAL SCIENCE
199. SE 004 967 3 02 93 17
 PICKAR, ARNOLD D.; AND OTHERS
 DEVELOPMENT OF A CORE-COURSE FOR COLLEGE SCIENCE MAJORS COMBINING MATERIAL
 FROM INTRODUCTORY COURSES IN BIOLOGY, CHEMISTRY, AND PHYSICS. FINAL REPORT
 PORTLAND STATE COLLEGE, OREGON
 EDRS
 ED 021 759 MF \$0.25 HC \$2.65
 10 00 67 51
 *COLLEGE SCIENCE, *CURRICULUM DEVELOPMENT, *INTERDISCIPLINARY APPROACH,
 BIOLOGY, CHEMISTRY, COURSE EVALUATION, COURSE CONTENT, PHYSICS, PORTLAND
 STATE COLLEGE, PORTLAND, OREGON, RESEARCH REPORTS
200. SE 004 346 1 03 81 29
 PILTZ, ALBERT
 THE FEDERAL PROGRAMS AND THE ELEMENTARY SCIENCE TEACHER
 SCIENCE AND CHILDREN
 03 00 68 3
 *ELEMENTARY SCHOOL SCIENCE, *FEDERAL PROGRAMS, *PROGRAM DESCRIPTIONS,
 SCIENCE TEACHERS, EDUCATIONAL RESEARCH, EDUCATIONAL INNOVATION, LEGIS-
 LATIVE ACTS, SCIENCE COURSE IMPROVEMENT PROJECT, SCIENCE EQUIPMENT,
 SCIENCE FACILITIES, SCIENCE MATERIALS, TEACHER EDUCATION, NATIONAL
 DEFENSE EDUCATION ACT, ELEMENTARY AND SECONDARY EDUCATION ACT, NATIONAL,
 SCIENCE FOUNDATION

201. SE 004 198 1 62 81 20
 PILTZ, ALBERT
 PROMISING TRENDS FOR EFFECTING NEEDED CHANGES IN CURRICULUM IN ELEMENTARY
 SCIENCE
 SCIENCE EDUCATION
 02 00 64 6
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *EDUCATIONAL TRENDS,
 *SCIENTIFIC METHODOLOGY, *TECHNOLOGY, INSTRUCTION, PAPERS, SCIENCE COURSE
 IMPROVEMENT PROJECT, ASSOCIATION FOR SUPERVISION AND CURRICULUM DEVELOPMENT,
 COUNCIL FOR ELEMENTARY SCIENCE INTERNATIONAL, UNITED STATES OFFICE OF
 EDUCATION, NATIONAL SCIENCE FOUNDATION, AMERICAN ASSOCIATION FOR THE
 ADVANCEMENT OF SCIENCE, EDUCATIONAL SERVICES, INC., NATIONAL SCIENCE
 TEACHERS ASSOCIATION, TITLE VII NATIONAL DEFENSE EDUCATION ACT, NATIONAL
 ASSOCIATION FOR RESEARCH IN SCIENCE TEACHING
202. SE 005 748 1 02 92 29
 PITTSYLVANIA COUNTY SCHOOLS
 SCIENCE WORKSHOP
 PITTSYLVANIA COUNTY SCHOOLS, CHATHAM, VIRGINIA
 07 00 58 9
 *CURRICULUM GUIDES, *ELEMENTARY SCHOOL SCIENCE, *TEACHING GUIDES,
 CURRICULUM DEVELOPMENT, INSERVIC TEACHER EDUCATION, PROGRAM DESCRIPTIONS,
 SUMMER WORKSHOPS, TEACHER EDUCATION, PITTSYLVANIA COUNTY, CHATHAM,
 VIRGINIA, 1968
203. SE 004 680 1 03 13 06
 PORTER, J. ROGER
 CONFERENCE ON COLLEGE BIOLOGY, A COMMITTEE REPORT
 BIOSCIENCE
 03 00 68 3
 *BIOLOGY, *COLLEGE SCIENCE, *CONFERENCE REPORTS, *INTERNATIONAL PROGRAMS,
 *UNDERGRADUATE STUDY, COOPERATIVE PROGRAMS, GENERAL EDUCATION, TEACHER
 EDUCATION, JAPAN, UNITED STATES
204. SE 004 149 2 02 81 29
 PORTLAND PUBLIC SCHOOLS
 TEACHER'S AUTOMATED GUIDE (TAG)
 PORTLAND PUBLIC SCHOOLS
 67 22
 *CURRICULUM DEVELOPMENT, *COMPUTER ORIENTED PROGRAMS, *ELEMENTARY SCHOOL
 SCIENCE, *EVALUATION, *COMPUTER ASSISTED INSTRUCTION, *INFORMATION STORAGE,
 *INFORMATION RETRIEVAL, *PROGRAM DESCRIPTION, *SCIENCE ACTIVITIES,
 COMPUTERS, INSTRUCTIONAL MATERIALS, INDIVIDUAL INSTRUCTION, SCIENCE
 EDUCATION, TEACHERS' AUTOMATED GUIDE, SCIENCE TEACHERS' ADAPTABLE CURRICULUM

205. SE 005 160 3 02 81 17
 PRICE, THOMAS DELAWARE
 ELEMENTARY SCHOOL SCIENCE: A DESIGN FOR SUBJECT MATTER SELECTION AND ORGANIZATION
 STANFORD UNIVERSITY
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 ED 023 587 NOT AVAILABLE FROM EDRS
 66 163
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, COURSE CONTENT, DOCTORAL THESES
206. SE 004 716 1 02 12 30
 RAIMIST, ROGER JOHN
 A SECONDARY SCHOOL MARINE SCIENCE CURRICULUM
 THE AMERICAN BIOLOGY TEACHER
 03 00 68 4
 *CURRICULUM DEVELOPMENT, *INSTRUCTIONAL MATERIALS, *OCEANOLOGY, *SCIENCE UNITS, *SECONDARY SCHOOL SCIENCE, COURSE CONTENT, PROGRAM DESCRIPTIONS
207. SE 005 591 1 03 23 20
 REITER, R. C.; HOUSE, J. E.
 TEACHING COMPUTER METHODS IN UNDERGRADUATE CHEMISTRY COURSES
 JOURNAL OF CHEMICAL EDUCATION
 07 00 68 2
 *CHEMISTRY, *COLLEGE SCIENCE, *COMPUTERS, *TEACHING PROCEDURES, EDUCATIONAL PROGRAMS, PROGRAMING, UNDERGRADUATE STUDY
208. SE 004 105 1 03 32 29
 REITZ, ROBERT A.
 THE AAPT HIGH SCHOOL AWARDS PROGRAM
 THE PHYSICS TEACHER
 01 00 68 4
 *PHYSICS, *PROGRAM DESCRIPTIONS, *SECONDARY SCHOOL SCIENCE, *SCIENCE PROGRAMS, *TEACHING EXCELLENCE, EDUCATIONAL PROGRAMS, EUCLID HIGH SCHOOL (OHIO), FOREST GROVE UNION HIGH SCHOOL (OREGON), FOREST HILLS HIGH SCHOOL (NEW YORK), GAINESVILLE HIGH SCHOOL (FLORIDA), GREAT FALLS HIGH SCHOOL (MONTANA), HANOVER JUNIOR-SENIOR HIGH SCHOOL (NEW HAMPSHIRE), LOGAN HIGH SCHOOL (UTAH), MINOT HIGH SCHOOL (NORTH DAKOTA), OWENSBORO HIGH SCHOOL (KENTUCKY), ROCKHURST HIGH SCHOOL (MISSOURI), AAPT, 1968

209. SE 005 919 1 02 72 20
 RICHARDSON, CHARLES E.; GLIVER, LAWRENCE E.
 INTERMEDIATE SCIENCE CURRICULUM STUDY PROJECT AS VIEWED BY PARTICIPATING
 TEACHERS
 SCHOOL SCIENCE AND MATHEMATICS
 12 00 68 5
 *CURRICULUM DEVELOPMENT, *GENERAL SCIENCE, *SECONDARY SCHOOL SCIENCE,
 *ACHIEVEMENT, SKILL DEVELOPMENT, SCIENCE COURSE IMPROVEMENT PROJECT,
 SCIENCE ACTIVITIES, INTERMEDIATE SCIENCE CURRICULUM STUDY
210. SE 004 069 2 02 91 17
 RICHARDSON, EVAN C.
 PROPOSALS FOR IMPROVEMENT OF SCIENCE TEACHING IN NEW JERSEY ELEMENTARY
 SCHOOLS
 RUTGERS UNIVERSITY
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 50 152
 *CURRICULUM, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *STATE SURVEYS,
 *SCIENCE TEACHING, DOCTORAL THESES, EDUCATIONAL OBJECTIVES, PROGRAM
 PROPOSALS, RESEARCH REPORTS, TEACHER EDUCATION, 1960, NEW JERSEY
211. SE 004 883 3 03 94 15
 RICHARDSON, HARRY D.
 INDUSTRIAL RADIOGRAPHY, INSTRUCTOR'S GUIDE
 NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, WASHINGTON, D.C.
 EDRS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C.
 ED 020 901 MF \$0.50 HARD COPY NOT AVAILABLE
 03 00 68 62
 *INSTRUCTIONAL MATERIALS, *NUCLEAR PHYSICS, *TEACHING GUIDES, ADULT
 EDUCATION, CHEMISTRY, EDUCATIONAL PROGRAMS, LABORATORY MANUALS, PHYSICS,
 TECHNOLOGY, VOCATIONAL EDUCATION, UNITED STATES ATOMIC ENERGY COMMISSION,
 UNITED STATES OFFICE OF EDUCATION
212. SE 004 884 3 03 94 10
 RICHARDSON, HARRY D.
 INDUSTRIAL RADIOGRAPHY, STUDENT GUIDE AND LABORATORY EXERCISES
 NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, WASHINGTON, D.C.
 EDRS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C.
 ED 020 902 MF \$0.50 HARD COPY NOT AVAILABLE
 68 70
 *INSTRUCTIONAL MATERIALS, *LABORATORY MANUALS, *NUCLEAR PHYSICS, *TEACHING
 GUIDES, ADULT EDUCATION, CHEMISTRY, EDUCATIONAL PROGRAMS, PHYSICS, RADIO-
 ISOTOPES, SCIENCE ACTIVITIES, TECHNOLOGY, VOCATIONAL EDUCATION, UNITED
 STATES OFFICE OF EDUCATION, UNITED STATES ATOMIC ENERGY COMMISSION

213. SE 005 192 3 02 62 17
 RICHARDSON, JOHN S.; SHOWALTER, VICTOR
 EFFECTS OF A UNIFIED SCIENCE CURRICULUM ON HIGH SCHOOL GRADUATES
 OHIO STATE UNIVERSITY, COLUMBUS
 EDRS
 ED 024 593 MF \$0.50 HC \$5.35
 12 00 67 105
 *CURRICULUM, *FOLLOWUP STUDIES, *SECONDARY SCHOOL SCIENCE, *UNIFIED
 SCIENCE, CURRICULUM DEVELOPMENT, HIGH SCHOOL GRADUATES, STUDENT CHARAC-
 TERISTICS, SCIENTIFIC LITERACY, STUDENT SCIENCE INTERESTS, RESEARCH
 REPORTS, OFFICE OF EDUCATION, UNITED STATES DEPARTMENT OF HEALTH,
 EDUCATION AND WELFARE, OHIO STATE UNIVERSITY, ABRIDGED SCIENTIFIC
 LITERACY INSTRUMENT
214. SE 004 816 3 02 81 22
 RIESER, LEONARD M.
 DEVELOPMENTAL PREPARATORY STUDY OF THE INTRODUCTION OF NEW SCIENCE
 CURRICULAR MATERIALS AND PROCEDURES INTO THE ELEMENTARY GRADES OF TWO
 RELATED SCHOOL DISTRICTS - HANOVER, NEW HAMPSHIRE SUPERVISORY UNION #22
 AND NORWICH, VERMONT SCHOOL DISTRICT
 DARTMOUTH COLLEGE, HANOVER, NEW HAMPSHIRE
 EDRS
 ED 020 149 MF \$0.25 HC \$1.70
 04 00 68 32
 *CURRICULUM, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTIONAL MATERIALS,
 *SCIENCE COURSE IMPROVEMENT PROJECT, CURRICULUM PLANNING, CURRICULUM
 EVALUATION, EDUCATIONAL PROGRAMS, INSERVICE TEACHER EDUCATION, 1968
215. SE 005 724 1 03 15 29
 ROBERTS, DONALD A.
 THE BALTIMORE COUNTY MICROBIOLOGY TEACHING CENTER: A VENTURE IN
 FACILITATING THE CLASSROOM USE OF MICROORGANISMS
 THE AMERICAN BIOLOGY TEACHER
 08 00 68 4
 *BIOLOGY, *MICROBIOLOGY, *SCIENCE MATERIALS, *SECONDARY SCHOOL SCIENCE,
 *SCIENCE TEACHING CENTERS, ELEMENTARY SCHOOL SCIENCE, PROGRAM DESCRIPTIONS,
 SCIENCE LABORATORIES, BALTIMORE COUNTY, MARYLAND
216. SE 004 544 1 03 43 20
 ROMNEY, WILLIAM D.
 SOME REFLECTIONS ON GEOLOGICAL EDUCATION IN THE SOVIET UNION
 JOURNAL OF GEOLOGICAL EDUCATION
 02 00 68 4
 *COLLEGE SCIENCE, *EARTH SCIENCE, *GEOLOGY, *INTERNATIONAL EDUCATION,
 EDUCATIONAL PROGRAMS, GRADUATE STUDY, SECONDARY SCHOOL SCIENCE, UNDER-
 GRADUATE EDUCATION, RUSSIA

217. SE 005 586 3 02 32 15
 RUFOLO, DANIEL O.
 GUIDE FOR TEACHING HONORS PHYSICS 1-2
 SAN DIEGO CITY SCHOOLS, CALIFORNIA
 EDRS
 ED 023 609 MF \$0.50 HC \$4.40
 68 86
 *ABLE STUDENTS, *CURRICULUM, *PHYSICS, *SECONDARY SCHOOL SCIENCE, *TEACHING
 GUIDES, COURSE DESCRIPTIONS, GRADE 12, INSTRUCTIONAL MATERIALS, INSTRUCTION,
 OBJECTIVES, PHYSICAL SCIENCES, SCIENCE EQUIPMENT, PHYSICAL SCIENCE STUDY
 COMMITTEE, COLLEGE PHYSICS, SAN DIEGO, CALIFORNIA, 1968
218. SE 004 306 3 02 91 15
 RYAN, ARTHUR J.
 TEACHER'S GUIDE TO OUTDOOR EDUCATION
 LINDEN BOARD OF EDUCATION, NEW JERSEY
 EDRS
 ED 020 129 MF \$0.50 HC \$5.70
 01 00 68 112
 *CURRICULUM DEVELOPMENT, *EDUCATIONAL OBJECTIVES, *EDUCATIONAL PROGRAMS,
 *ELEMENTARY SCHOOL SCIENCE, *OUTDOOR EDUCATION, ART, BIOLOGY, BIBLIOGRAPHIES,
 CONSERVATION EDUCATION, EARTH SCIENCE, HEALTH EDUCATION, LANGUAGE ARTS,
 MATHEMATICS, MUSIC, SOCIAL STUDIES, TEACHING GUIDES, ELEMENTARY AND
 SECONDARY EDUCATION ACT - TITLE III, UNITED STATES OFFICE OF HEALTH,
 EDUCATION, AND WELFARE
219. SE 004 928 1 03 82 17
 SADOWSKI, BERNARD S.
 THE LOCAL SCIENCE FAIR - A CASE STUDY
 SCHOOL SCIENCE AND MATHEMATICS
 06 00 68 4
 *CASE STUDIES, *RESEARCH REPORTS, *SCIENCE FAIRS, *SECONDARY SCHOOL
 SCIENCE, EDUCATIONAL PROGRAMS, PAROCHIAL SCHOOLS, PUBLIC SCHOOLS,
 STATISTICAL ANALYSIS, STUDENT PARTICIPATION, GENESE COUNTY, FLINT
 COMMUNITY JUNIOR COLLEGE, MICHIGAN
220. SE 005 500 1 02 22 17
 SAMOLIS, ALEXANDER MICHAEL
 SUGGESTED IMPROVEMENTS IN THE CONTENT AND METHODOLOGY OF THE TRADITIONAL
 HIGH SCHOOL CHEMISTRY LABORATORY
 DAYTON UNIVERSITY, OHIO, SCHOOL OF EDUCATION
 07 00 67 2
 *CURRICULUM DEVELOPMENT, *CHEMISTRY, *INSTRUCTION, *SECONDARY SCHOOL
 SCIENCE, *LABORATORY PROCEDURES, ADMINISTRATION, CURRICULUM PLANNING,
 COURSE CONTENT, EDUCATIONAL OBJECTIVES, CHEMICAL BOND APPROACH, CHEMICAL
 EDUCATION MATERIALS STUDY, 1967

221. SE 095 625 3 02 32 17
 SASLAW, MILTON S.
 EVALUATION OF A PROGRAM TO PROMOTE SCIENTIFIC CAREERS IN GIFTED STUDENTS
 AT THE SECONDARY SCHOOL LEVEL
 UNIVERSITY OF MIAMI, CORAL GABLES, FLORIDA
 EDRS
 ED 023 611 MF \$0.25 HC \$2.70
 06 00 68 52
 *CAREERS, *CURRICULUM DEVELOPMENT, *HIGH ACHIEVERS, *SECONDARY SCHOOL
 SCIENCE, *SCIENCE CAREERS, ACHIEVEMENT, COURSE ORGANIZATION, COURSE
 EVALUATION, CAREER CHOICE, MOTIVATION, PROGRAM EVALUATION, RESEARCH
 REPGRTS, STUDENT SCIENCE INTERESTS, BIOLOGICAL SCIENCES CURRICULUM
 STUDY, CHEMICAL EDUCATION MATERIALS STUDY, PHYSICAL SCIENCE STUDY
 COMMITTEE, WECHSLER INTELLIGENCE SCALE FOR CHILDREN, BELL PERSONALITY
 INVENTORY, CALIFORNIA OCCUPATIONAL INTEREST INVENTORY
222. SE 004 984 3 02 13 29
 SCHEIN, MARTIN W.
 CONTENT OF CORE CURRICULA IN BIOLOGY
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES,
 WASHINGTON, D. C.
 EDRS
 ED 021 764 MF \$0.75 HC \$8.95
 06 00 67 177
 *BIOLOGICAL SCIENCES, *CURRICULUM, *COLLEGE SCIENCE, COURSE CONTENT,
 CORE CURRICULUM, DEGREE REQUIREMENTS, EDUCATIONAL PROGRAMS, PROGRAM
 DESCRIPTIONS, SCIENTIFIC CONCEPTS, UNDERGRADUATE STUDY, COMMISSION ON
 UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES, PANEL ON UNDER-
 GRADUATE MAJOR CURRICULA
223. SE 004 250 1 02 51 32
 SCIENCE CURRICULUM IMPROVEMENT STUDY
 SCIENCE CURRICULUM IMPROVEMENT STUDY NEWSLETTER
 SCIENCE CURRICULUM IMPROVEMENT STUDY, UNIVERSITY OF CALIFORNIA, BERKELEY
 68 11
 *CURRICULUM DEVELOPMENT, *EDUCATIONAL PROGRAMS, *ELEMENTARY SCHOOL SCIENCE,
 *MATHEMATICS, *PHYSICAL SCIENCES, BIBLIOGRAPHIES, ELECTRICITY, ENERGY,
 MOTION, SCIENCE ACTIVITIES, CAMBRIDGE CONFERENCE ON SCHOOL MATHEMATICS,
 SCIENCE CURRICULUM IMPROVEMENT STUDY
224. SE 005 014 3 02 62 15
 SCOTT, ARTHUR; AND OTHERS
 BIOLOGY--CHEMISTRY--PHYSICS, TEACHERS' GUIDE, A THREE-YEAR SEQUENCE,
 PARTS I AND II
 PORTLAND STATE COLLEGE, OREGON
 EDRS
 ED 021 767 MF \$1.00 HC \$10.45
 67 207
 *CURRICULUM GUIDES, *CURRICULUM, *INTERDISCIPLINARY APPROACH, *SECONDARY
 SCHOOL SCIENCE, BIOLOGY, CHEMISTRY, PROGRAM DESCRIPTIONS, PHYSICS,
 SCIENCE COURSE IMPROVEMENT PROJECT, SCIENCE ACTIVITIES, TEACHING PROCEDURES,
 TEACHING GUIDES, PORTLAND PROJECT, NATIONAL SCIENCE FOUNDATION, PORTLAND,
 OREGON

225. SE 005 017 3 02 62 15
 SCOTT, ARTHUR; AND OTHERS
 BIOLOGY—CHEMISTRY—PHYSICS, TEACHERS' GUIDE, A THREE-YEAR SEQUENCE,
 PARTS III AND IV
 PORTLAND STATE COLLEGE, OREGON
 EDRS
 ED 022 691 MF \$1.25 HC \$15.05
 67 299
 *CURRICULUM, *INTERDISCIPLINARY APPROACH, *SECONDARY SCHOOL SCIENCE,
 *SCIENCE ACTIVITIES, BIOLOGY, CHEMISTRY, PROGRAM DESCRIPTIONS, PHYSICS,
 SCIENCE COURSE IMPROVEMENT PROJECT, TEACHING PROCEDURES, TEACHING GUIDES
226. SE 004 968 3 02 09 22
 SCOTT, DANA S.
 DEVELOPING NEW MATERIALS FOR HIGH SCHOOL GEOMETRY. FINAL REPORT
 STANFORD UNIVERSITY, CALIFORNIA
 EDRS
 ED 021 769 MF \$0.75 HC \$8.00
 06 00 68 158
 *CURRICULUM, *COMPUTER ASSISTED INSTRUCTION, *MATHEMATICS, *PROGRAMED
 INSTRUCTION, *SECONDARY SCHOOL MATHEMATICS, COURSE CONTENT, GEOMETRY,
 INSTRUCTION, PROBLEM SOLVING, 1968
227. SE 005 169 3 02 81 17
 SCOTT, HARRY V.
 COGNITIVE ANALYSIS OF A CURRICULUM: AN APPLICATION OF TAXONOMY OF
 EDUCATIONAL OBJECTIVES: HANDBOOK I; COGNITIVE DOMAIN TO SCIENCE—
 A PROCESS APPROACH
 COLUMBIA UNIVERSITY
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 ED 024 588 NOT AVAILABLE FROM EDRS
 66 164
 *COGNITIVE PROCESSES, *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE,
 *SCIENCE COURSE IMPROVEMENT PROJECT, DOCTORAL THESES, EDUCATIONAL
 OBJECTIVES, TAXONOMY OF EDUCATIONAL OBJECTIVES: COGNITIVE DOMAIN,
 SCIENCE - A PROCESS APPROACH, 1966
228. SE 005 920 1 02 92 29
 SELZ, EDGAR
 A HUMANISTIC APPROACH TO SCIENCE TEACHING
 SCHOOL SCIENCE AND MATHEMATICS
 12 00 68 14
 *CURRICULUM DEVELOPMENT, *HUMANITIES, *SECONDARY SCHOOL SCIENCE, BIOLOGICAL
 SCIENCES, COURSE DESCRIPTIONS, EARTH SCIENCE, PHYSICAL SCIENCES, SCIENCE
 ACTIVITIES, WINNETKA PUBLIC SCHOOLS, ILLINOIS, MASSACHUSETTS INSTITUTE OF
 TECHNOLOGY, WINNETKA SPECIAL SCIENCE

2/

229. SE 005 170 2 03 91 17
 SENTER, DONALD RUSSELL
 AN APPRAISAL OF AN ELEMENTARY SCHOOL SCIENCE PROGRAM
 WAYNE STATE UNIVERSITY
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 66 250
 *ACHIEVEMENT, *COMPARATIVE ANALYSIS, *ELEMENTARY SCHOOL SCIENCE, *PROGRAM
 EVALUATION, DOCTORAL THESES, EVALUATION, GRADE 6, GRADE 4, DETROIT CITY
 SCHOOL DISTRICT, SEQUENTIAL TESTS OF EDUCATIONAL PROGRESS—SCIENCE,
 FORM 4A, TEST ON UNDERSTANDING SCIENCE, FORM EX, CALIFORNIA TEST OF
 MENTAL MATURITY, LEVEL 2, THE IOWA TESTS OF BASIC SKILLS, FORM 3
230. SE 005 611 1 03 25 22
 SHANLEY, JOHN P.
 CITY PROGRAMS FOR THE DISADVANTAGED - AN NSTA STAFF REPORT
 THE SCIENCE TEACHER
 10 00 68 4
 *EDUCATIONAL PROGRAMS, *EDUCATIONALLY DISADVANTAGED, *ELEMENTARY SCHOOL
 SCIENCE, *INNER CITY, *PROJECT REPORTS, *SECONDARY SCHOOL SCIENCE,
 BIOLOGICAL SCIENCES, EARTH SCIENCE, FIELD TRIPS, NATURE STUDY, PHYSICAL
 SCIENCES, SUMMER SCIENCE PROGRAMS, NATIONAL SCIENCE TEACHERS ASSOCIATION,
 SUMMER EMPHASIS ON EDUCATION AND KNOWLEDGE (SEEK), JUNIOR RESEARCH
 PROGRAM, LOS ANGELES, CALIFORNIA, MINNEAPOLIS PILOT CENTER SCIENCE
 PROGRAM, PHILADELPHIA NATURE STUDY DAY CAMP, NEW YORK CITY, NEW YORK, 1968
231. SE 004 483 1 02 33 20
 SHONLE, JOHN I.
 PROJECT LABORATORY IN ELECTRICITY AND MAGNETISM
 AMERICAN JOURNAL OF PHYSICS
 09 00 67 5
 *COLLEGE SCIENCE, *PHYSICS, COURSE DESCRIPTIONS, CURRICULUM DEVELOPMENT,
 ELECTRICITY, LABORATORY TECHNIQUES, MAGNETISM, SCIENCE PROJECTS, SCIENCE
 ACTIVITIES, SCIENCE EQUIPMENT, UNDERGRADUATE STUDY, REED COLLEGE
232. SE 004 108 2 02 43 06
 SHORT, NICHOLAS
 THE ROLE OF PLANETARY GEOSCIENCE IN THE UNIVERSITY GEOLOGY CURRICULUM
 JOURNAL OF GEOLOGICAL EDUCATION
 12 00 67 6
 *AEROSPACE TECHNOLOGY, *CURRICULUM DEVELOPMENT, *EARTH SCIENCE, *GEOLOGY,
 ASTRONOMY, COLLEGE SCIENCE, CONFERENCE REPORTS, GENERAL EDUCATION, EARTH
 SCIENCE CURRICULUM PROJECT

233. SE 004 112 1 02 62 20
 SHOWALTER, VICTOR
 FUSE AND UNIFIED SCIENCE EDUCATION
 METROPOLITAN DETROIT SCIENCE REVIEW
 12 00 67 3
 *CURRICULUM DEVELOPMENT, *SCIENCE EDUCATION, *SECONDARY SCHOOL SCIENCE,
 *UNIFIED SCIENCE, INTERDISCIPLINARY APPROACH, PROFESSIONAL ASSOCIATIONS,
 PAPERS, FEDERATION FOR UNIFIED SCIENCE EDUCATION
234. SE 004 426 1 02 23 20
 SILBERMAN, ROBERT; MCCONNELL, JAMES
 A LABORATORY COURSE FOR ORGANIC CHEMISTRY
 JOURNAL OF CHEMICAL EDUCATION
 04 00 68 2
 *COLLEGE SCIENCE, *CHEMISTRY, *INSTRUCTION, *ORGANIC CHEMISTRY, COURSE
 DESCRIPTIONS, COURSE CONTENT, LABORATORY, PHYSICAL SCIENCES, STATE
 UNIVERSITY OF NEW YORK, CORTLAND
235. SE 005 806 1 03 12 20
 SLADE, J. R.
 APPLIED BIOLOGY COURSES IN SECONDARY SCHOOLS
 JOURNAL OF BIOLOGICAL EDUCATION
 09 00 68 9
 *APPLIED SCIENCES, *BIOLOGY, *CURRICULUM, *RURAL EDUCATION, *SECONDARY
 SCHOOL SCIENCE, AGRICULTURAL SCIENCE, INTERNATIONAL EDUCATION, TEACHER
 EDUCATION, ENGLAND
236. SE 004 264 1 02 95 20
 SLAWSON, WILBER S.
 BASES OF SCIENCE CURRICULUM DEVELOPMENT IN THE FUTURE
 THE SCIENCE TEACHER
 04 00 68 4
 *SECONDARY SCHOOL SCIENCE, *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL
 SCIENCE, BIOLOGY, CONCEPTUAL SCHEMES, CHEMISTRY, PHYSICS, UNIFIED SCIENCE,
 BIOLOGICAL SCIENCES CURRICULUM STUDY, CHEMICAL BOND APPROACH, PHYSICAL
 SCIENCE STUDY COMMITTEE, EARTH SCIENCE CURRICULUM PROJECT
237. SE 005 809 1 03 15 17
 SMITH, M.; SPALDING, D. A. E.
 AN APPROACH TO THE DEVELOPMENT OF FIELD STUDIES IN URBAN AREAS
 JOURNAL OF BIOLOGICAL EDUCATION
 09 00 68 12
 *BIOLOGY, *CONSERVATION EDUCATION, *ECOLOGY, *EDUCATIONAL PROGRAMS,
 *FIELD STUDIES, CONSERVATION, INTERNATIONAL EDUCATION, NATIONAL SURVEYS,
 RESEARCH REPORTS, NUFFIELD PROJECT BIOLOGY, ENGLAND

238. SE 005 174 1 02 52 17
 SMITH, ROY EMERSON
 THE EFFECTIVENESS OF A PROCEDURE FOR TEACHING QUANTITATIVE PHYSICAL
 SCIENCE IN GRADES SIX THROUGH EIGHT WHICH EMPLOYS A CONCEPTUAL SCHEME
 INVOLVING DIMENSIONAL DESCRIPTION COUPLED WITH UNIT OPERATOR ANALYSIS.
 (VOLUMES I AND II).
 OHIO STATE UNIVERSITY, COLUMBUS
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 66 681
 *CURRICULUM DEVELOPMENT, *INSTRUCTION, *INSTRUCTIONAL MATERIALS, *PHYSICAL
 SCIENCES, *SECONDARY SCHOOL SCIENCE, DOCTORAL THESES, GRADE 6, GRADE 7,
 GRADE 8, RESEARCH REPORTS, SCIENCE COURSES
239. SE 004 044 3 02 01 17
 SNOBLE, JOSEPH JERRY
 STATUS AND TRENDS OF ELEMENTARY SCHOOL SCIENCE IN IOWA PUBLIC SCHOOLS,
 1963-1966
 UNIVERSITY OF IOWA, IOWA CITY
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 ED 021 717 NOT AVAILABLE FROM EDRS
 67 311
 *CURRICULUM, *CURRICULUM EVALUATION, DOCTORAL THESES, ELEMENTARY SCHOOL
 SCIENCE, ELEMENTARY SCHOOL TEACHERS, INSTRUCTION, INSTRUCTIONAL MATERIALS,
 PROGRAM EVALUATION, SCHOOL SURVEYS, SCIENCE FACILITIES, RESEARCH REPORTS,
 IOWA, 1963, 1964, 1965, 1966
240. SE 005 963 1 02 33 17
 SNYDER, DONALD D.
 AN EXPERIMENT-ORIENTED GENERAL PHYSICS COURSE
 AMERICAN JOURNAL OF PHYSICS
 11 00 68 9
 *COLLEGE SCIENCE, *COURSE EVALUATION, *INSTRUCTION, *PHYSICS, CURRICULUM,
 RESEARCH REPORTS, SCIENCE COURSES, UNDERGRADUATE STUDY, ANDREWS UNIVERSITY,
 MICHIGAN, 1963
241. SE 005 175 1 02 75 17
 SNYDER, GEORGE ALAN
 A FOLLOW-UP STUDY OF A SELECTED GROUP OF STUDENTS WHO HAD COMPLETED A
 SUMMER SCHOOL SCIENCE ENRICHMENT COURSE
 UNIVERSITY OF SOUTH DAKOTA, VERMILLION
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 67 146
 *CURRICULUM, *ELEMENTARY SCHOOL SCIENCE, *SUMMER PROGRAMS, *SUMMER
 SCHOOLS, ACHIEVEMENT, COMPARATIVE ANALYSIS, DOCTORAL THESES, PROGRAM
 EVALUATION, RESEARCH REPORTS, SECONDARY SCHOOL SCIENCE, SIOUX CITY
 IOWA PUBLIC SCHOOLS

242. SE 004 136 1 02 91 15
 SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION
 GUIDE FOR TEACHING SCIENCE, GRADES 1-6
 SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION, COLUMBIA
 52 131
 *CURRICULUM, *ELEMENTARY SCHOOL SCIENCE, *SCIENCE MATERIALS, *TEACHING
 GUIDES, ASTRONOMY, BIOLOGY, EDUCATIONAL OBJECTIVES, EARTH SCIENCE,
 ENERGY, ELECTRICITY, HEAT, MATTER, PHYSICAL SCIENCES, PHILOSOPHY,
 SOUTH CAROLINA
243. SE 004 679 1 03 86 20
 SPURR, STEPHEN H.
 INTERMEDIATE GRADUATE DEGREES IN THE LIBERAL ARTS
 BIOSCIENCE
 03 00 68 4
 *COLLEGE PROGRAMS, *EDUCATIONAL PROGRAMS, *GRADUATE STUDY, *HIGHER
 EDUCATION, DOCTORAL DEGREES, EDUCATIONAL PROBLEMS, MASTERS DEGREES
244. SE 005 079 2 02 95 31
 STAPP, WILLIAM B.
 INTEGRATING CONSERVATION AND OUTDOOR EDUCATION INTO THE CURRICULUM
 (K-12)
 BURGESS PUBLISHING COMPANY, MINNEAPOLIS, MINNESOTA
 65 93
 *CONSERVATION EDUCATION, *ELEMENTARY SCHOOL SCIENCE, *OUTDOOR EDUCATION,
 *SECONDARY SCHOOL SCIENCE, CURRICULUM DEVELOPMENT, DEVELOPMENT REPORTS,
 EDUCATIONAL PROGRAMS, NATURAL SCIENCES, SOCIAL SCIENCES, ANN ARBOR
 PUBLIC SCHOOLS, ANN ARBOR, MICHIGAN
245. SE 004 072 2 03 84 17
 STEPHENS, DARLEEN BELL
 EVALUATING THREE WAYS OF USING A TELEVISED DENTAL INFORMATION PROGRAM
 WITH PARENTS OF PRESCHOOL CHILDREN
 GEORGE PEABODY COLLEGE FOR TEACHERS, NASHVILLE, TENNESSEE
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 61 315
 *ADULT EDUCATION, *DOCTORAL THESES, *DENTAL HEALTH, *EDUCATIONAL
 TELEVISION, *HEALTH EDUCATION, *PARENT EDUCATION, PARENT ATTITUDES,
 PRESCHOOL CHILDREN, RESEARCH REPORTS, TELEVISED INSTRUCTION, GEORGE
 PEABODY COLLEGE FOR TEACHERS, DAVIDSON COUNTY, TENNESSEE

246. SE 005 826 1 02 43 20
 STEWART, A. D.
 GEOLOGY IN BRITISH UNIVERSITIES
 GEOTIMES
 10 00 68 2
 *COLLEGE SCIENCE, *CURRICULUM, *FOREIGN COUNTRIES, *GEOLOGY, EARTH
 SCIENCE, RESEARCH, INTERNATIONAL GEOPHYSICAL YEAR, ENGLAND
247. SE 004 192 1 03 85 20
 STOTLER, DONALD W.
 PRODUCTIVITY INTERACTION, BASIS FOR SCIENCE EDUCATION IN THE 21ST
 CENTURY
 THE SCIENCE TEACHER
 02 00 68 3
 *EDUCATIONAL PROGRAMS, *EDUCATIONAL INNOVATION, *SCIENCE EDUCATION,
 *SCHOOL COMMUNITY PROGRAMS, ELEMENTARY SCHOOL SCIENCE, EDUCATIONAL
 CHANGE, SECONDARY SCHOOL SCIENCE, PORTLAND, OREGON
248. SE 005 666 1 02 95 20
 STRAHLER, VIOLET R.
 THE NSTA SILVER YEAR REVIEW
 THE SCIENCE TEACHER
 11 00 68 8
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *SCIENCE EDUCATION,
 *SECONDARY SCHOOL SCIENCE, PROFESSIONAL ASSOCIATIONS, PHILOSOPHY,
 NATIONAL SCIENCE TEACHERS ASSOCIATION, THE NSTA POSITION ON CURRICULUM
 DEVELOPMENT, THEORY INTO ACTION, IT'S TIME FOR BETTER ELEMENTARY SCHOOL
 SCIENCE, PLANNING FOR EXCELLENCE IN HIGH SCHOOL SCIENCE, SCIENCE AND
 CHILDREN, THE SCIENCE TEACHER, 1968
249. SE 004 943 1 03 53 17
 STRASSENBURG, A. A.
 WILL PHYSICS BECOME OBSOLETE?
 AMERICAN JOURNAL OF PHYSICS
 06 00 68 6
 *COLLEGE SCIENCE, *SCIENCE CAREERS, *SCIENCE EDUCATORS, *STUDENT
 INTERESTS, CAREERS, GRADUATE STUDY, PHYSICISTS, SCIENTISTS, STUDENT
 ENROLLMENT, AMERICAN INSTITUTE OF PHYSICS

250. SE 004 942 1 03 33 20
 TAYLOR, EDWIN F.
 AUTOMATED TUTORING AND ITS DISCONTENTS
 AMERICAN JOURNAL OF PHYSICS
 06 00 68 9
 *COLLEGE SCIENCE, *INSTRUCTION, *PROGRAMED INSTRUCTION, *PHYSICS,
 COMPUTERS, EDUCATIONAL PROGRAMS, EDUCATIONAL PROBLEMS, TEXTBOOKS,
 EDUCATION RESEARCH CENTER, MASSACHUSETTS INSTITUTE OF TECHNOLOGY
251. SE 005 323 3 02 61 15
 TAYLOR, PAUL H.; AND OTHERS
 SCIENCE GRADES K-6
 NORTH CAROLINA STATE DEPARTMENT OF PUBLIC INSTRUCTION, RALEIGH
 EDRS
 ED 022 708 MF \$1.00 HC \$10.25
 03 00 68 203
 *CURRICULUM GUIDES, *ELEMENTARY SCHOOL SCIENCE, *PROGRAM DESCRIPTIONS,
 *TEACHING GUIDES, CONCEPTUAL SCHEMES, SCIENCE ACTIVITIES, TEACHING
 TECHNIQUES, TEACHING PROCEDURES
252. SE 004 925 1 03 15 20
 TRACEY, G. W.
 SOME PROBLEMS OF HEALTH EDUCATION IN SCHOOLS
 BIOLOGY AND HUMAN AFFAIRS
 67 6
 *CURRICULUM PLANNING, *EDUCATIONAL PROGRAMS, *HEALTH EDUCATION,
 *INTERNATIONAL EDUCATION, EDUCATIONAL OBJECTIVES, ELEMENTARY SCHOOL
 SCIENCE, INSTRUCTION, SECONDARY SCHOOL SCIENCE, ENGLAND
253. SE 005 927 1 02 62 20
 TROOST, CORNELIUS J.
 A CRITIQUE OF UNIFIED SCIENCE
 SCHOOL SCIENCE AND MATHEMATICS
 12 00 68 2
 *CURRICULUM, *ESSAYS, *SECONDARY SCHOOL SCIENCE, *UNIFIED SCIENCE
254. SE 005 181 3 02 81 17
 TROUT, VERDINE E.
 A STUDY OF THE SCOPE, SEQUENCE, AND OBJECTIVES OF ELEMENTARY SCHOOL
 SCIENCE AS REVEALED BY STATE SCIENCE GUIDES
 OKLAHOMA STATE UNIVERSITY, STILLWATER
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 ED 023 594 NOT AVAILABLE FROM EDRS
 66 129
 *CURRICULUM, *CURRICULUM GUIDES, *ELEMENTARY SCHOOL SCIENCE, *INSTRUC-
 TIONAL MATERIALS, *OBJECTIVES, DOCTORAL THESES, SCIENCE ACTIVITIES,
 TEACHING GUIDES, RESEARCH REPORTS, 1966

255. SE 005 581 3 02 22 17
 TROXEL, VERNE A.
 ANALYSIS OF INSTRUCTIONAL OUTCOMES OF STUDENTS INVOLVED WITH THREE
 COURSES IN HIGH SCHOOL CHEMISTRY
 UNIVERSITY OF IOWA, IOWA CITY
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 ED 025 420 NOT AVAILABLE FROM EDRS
 08 06 68 286
 *ACHIEVEMENT, *CHEMISTRY, *COURSE EVALUATION, *INSTRUCTION, *SECONDARY
 SCHOOL SCIENCE, COMPARATIVE ANALYSIS, CRITICAL THINKING, DOCTORAL THESES,
 SCIENCE COURSE IMPROVEMENT PROJECT, SCIENTIFIC ENTERPRISE, CHEM STUDY,
 CHEMICAL BOND APPROACH, WATSON-GLASER CRITICAL THINKING APPRAISAL, TEST
 ON UNDERSTANDING SCIENCE, PROUSE SUBJECT PREFERENCE SURVEY, TEACHER
 PERFORMANCE SCALE
256. SE 004 930 1 03 92 17
 TROXEL, VERNE A.; YAGER, ROBERT E.
 THE SCIENCE CURRICULUM EFFECTS ENROLLMENTS IN SCIENCE?
 SCHOOL SCIENCE AND MATHEMATICS
 06 06 68 4
 *ENROLLMENT TRENDS, *RESEARCH REPORTS, *SECONDARY SCHOOLS, *STUDENT
 ENROLLMENT, *SECONDARY SCHOOL SCIENCE, BIOLOGY, CHEMISTRY, EARTH SCIENCE,
 GENERAL SCIENCE, LABORATORY SCHOOLS, PHYSICAL SCIENCES, PHYSICS,
 UNIVERSITY OF IOWA, SCIENCE EDUCATION DEPARTMENT, DEPARTMENT OF PUBLIC
 INSTRUCTION, 1967
257. SE 005 737 1 02 23 20
 TUCKER, W. C., JR.
 AN INTEGRATED SIX- OR SEVEN-SEMESTER LABORATORY COURSE
 JOURNAL OF CHEMICAL EDUCATION
 08 00 68 1
 *COLLEGE SCIENCE, *CHEMISTRY, *COURSE DESCRIPTIONS, *CURRICULUM, COURSE
 CONTENT, INSTRUCTION, LABORATORY COURSES, UNDERGRADUATE STUDY, LOUISIANA
 STATE UNIVERSITY
258. SE 005 660 1 02 71 17
 UHLHORN, KENNETH W.
 THE PREPARATION, USE, AND APPLICATION OF A SCIENCE EXPERIENCE INVENTORY
 JOURNAL OF RESEARCH IN SCIENCE TEACHING
 68 13
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *GRADE PLACEMENT,
 *SCIENTIFIC CONCEPTS, EDUCATIONAL PROGRAMS, LEARNING, PROBLEM SOLVING,
 RESEARCH REPORTS, READING ABILITY, A BASIC HANDBOOK FOR THE REORGANIZED
 SCIENCE CURRICULUM, EXPERIENCE INVENTORY, MINNEAPOLIS PUBLIC SCHOOLS
 REORGANIZED SCIENCE CURRICULUM, STATE UNIVERSITY OF IOWA, 1967

259. SE 003 955 1 03 92 29
 VAN DEVENTER, W. C.
 THE DEVELOPMENT OF JUNIOR HIGH SCHOOL SCIENCE ACTIVITIES
 AUTHOR, WESTERN MICHIGAN UNIVERSITY, KALAMAZGO
 66 5
 *CURRICULUM, *GENERAL SCIENCE, *SCIENCE ACTIVITIES, *SCIENCE PROGRAMS,
 *SECONDARY SCHOOL SCIENCE, CURRICULUM DEVELOPMENT, GRADE 7, LABORATORY
 ACTIVITIES, PROGRAM DESCRIPTIONS, SCIENTIFIC CONCEPTS, MICHIGAN SCIENCE
 CURRICULUM COMMITTEE
260. SE 004 652 1 02 92 31
 VAN DEVENTER, W. C.
 THE MICHIGAN SCIENCE CURRICULUM COMMITTEE JUNIOR HIGH SCHOOL PROJECT
 (MSCC-JHSP)
 METROPOLITAN DETROIT SCIENCE REVIEW
 68 3
 *CURRICULUM DEVELOPMENT, *INTEGRATED SCIENCE, *SECONDARY SCHOOL SCIENCE,
 GRADE 7, GRADE 8, GRADE 9, SCIENCE EXPERIMENTS, MICHIGAN SCIENCE
 CURRICULUM COMMITTEE
261. SE 004 050 3 02 82 15
 VINCI, THOMAS G.
 AN ANALYSIS OF ELEMENTARY SCIENCE HANDBOOKS AND THEIR RELATION TO
 SCIENCE PROGRAMS IN THREE DISTRICTS OF NEW YORK CITY
 COLUMBIA UNIVERSITY, NEW YORK
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 ED 023 572 NOT AVAILABLE FROM EDRS
 66 180
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *TEACHING GUIDES,
 DOCTORAL THESES, INSTRUCTIONAL MATERIALS, SCIENCE FACILITIES, TEACHER
 CHARACTERISTICS, TEACHER ATTITUDES, RESEARCH REPORTS, NEW YORK CITY,
 NEW YORK, 1966
262. SE 004 287 2 02 91 04
 WAILES, JAMES R.
 ELEMENTARY SCHOOL SCIENCE EXPERIMENTAL PROJECTS - COMPREHENSIVE ANNOTATED
 BIBLIOGRAPHY
 UNIVERSITY OF COLORADO, BOULDER, BUREAU OF EDUCATIONAL RESEARCH
 65 22
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *EDUCATIONAL PROGRAMS,
 *SCIENCE COURSE IMPROVEMENT PROJECT, *SCIENCE EDUCATION, BIBLIOGRAPHIES,
 1965, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, ELEMENTARY
 SCIENCE STUDY PROJECT (UTAH), ELEMENTARY SCIENCE STUDY, MINNESOTA
 MATHEMATICS AND SCIENCE TEACHING PROJECT, SCHOOL SCIENCE CURRICULUM
 PROJECT (ILLINOIS), SCIENCE CURRICULUM IMPROVEMENT STUDY, ESSP (CALIFORNIA),
 ESSP (ILLINOIS)

253. SE 005 690 3 03 22 22
 WALTON, GEORGE
 A SMALL PROJECT RESEARCH PROPOSAL IN SECONDARY SCHOOL SCIENCE EDUCATION
 WESTERN NEW MEXICO UNIVERSITY, SILVER CITY
 EDRS
 ED 023 614 MF \$1.50 HC \$19.65
 08 00 68 391
 *CHEMISTRY, *CURRICULUM DEVELOPMENT, *INSTRUCTION, *SECONDARY SCHOOL
 SCIENCE, ACHIEVEMENT, COURSE DESCRIPTIONS, LOW ACHIEVERS, SCIENCE COURSES,
 RESEARCH REPORTS, NEW MEXICO
264. SE 005 442 1 02 53 17
 WARSH, K. L.
 PHYSICAL OCEANOGRAPHY FOR THE NONSCIENCE MAJOR
 AMERICAN JOURNAL OF PHYSICS
 07 00 62 4
 *CURRICULUM DEVELOPMENT, *COLLEGE SCIENCE, *GENERAL EDUCATION, *OCEANOGRAPHY,
 *SCIENCE COURSES, PHYSICAL SCIENCES, SCIENCE EDUCATION, DEPARTMENT OF
 OCEANOGRAPHY, FLORIDA STATE UNIVERSITY, TALLAHASSEE, 1968
265. SE 004 207 1 02 95 20
 WASTHEDGE, E. R.
 INTO TOMORROW
 THE AMERICAN BIOLOGY TEACHER
 01 00 68 6
 *CURRICULUM, *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *INTER-
 NATIONAL EDUCATION, *SECONDARY SCHOOL SCIENCE, INSERVICE PROGRAMS,
 LEARNING, SCIENCE ACTIVITIES, TEACHER WORKSHOP, TEACHER EDUCATION, FROEBEL
 FOUNDATION, PRIMARY COMMITTEE OF THE ASSOCIATION FOR SCIENCE EDUCATION,
 WAVE HILL CENTER FOR ENVIRONMENTAL STUDIES, ENGLAND, NUFFIELD FOUNDATION
266. SE 005 574 1 03 15 29
 WEAVER, RICHARD L.
 MANUAL FOR OUTDOOR LABORATORIES - THE DEVELOPMENT AND USE OF SCHOOLGROUNDS
 AS OUTDOOR LABORATORIES FOR TEACHING SCIENCE AND CONSERVATION
 NATIONAL ASSOCIATION OF BIOLOGY TEACHERS
 INTERSTATE PRINTERS AND PUBLISHERS, DANVILLE, ILLINOIS
 81
 *BIOLOGY, *ECOLOGY, *OUTDOOR EDUCATION, *SCIENCE LABORATORIES, *SCIENCE
 FACILITIES, CONSERVATION EDUCATION, COLLEGE SCIENCE, ELEMENTARY SCHOOL
 SCIENCE, FIELD TRIPS, GUIDELINES, PROGRAM PLANNING, PROGRAM DESCRIPTIONS,
 RESOURCE MATERIALS, SCIENCE ACTIVITIES, SECONDARY SCHOOL SCIENCE,
 NATIONAL ASSOCIATION OF BIOLOGY TEACHERS

267. SE 004 294 1 03 23 17
 WELCH, WAYNE W.
 THE IMPACT OF NATIONAL CURRICULUM PROJECTS - THE NEED FOR ACCURATE
 ASSESSMENT
 SCHOOL SCIENCE AND MATHEMATICS
 03 00 68 9
 *ENROLLMENT, *PHYSICS, *SECONDARY SCHOOL SCIENCE, *SCIENCE COURSE IMPROVE-
 MENT PROJECT, RESEARCH REPORTS, PHYSICAL SCIENCE STUDY COMMITTEE, NATIONAL
 SCIENCE FOUNDATION, CHEMICAL EDUCATION MATERIALS STUDY, CHEMICAL BOND
 APPROACH, BIOLOGICAL SCIENCES CURRICULUM STUDY
268. SE 005 691 3 02 32 63
 WELCH, WAYNE W.
 RESEARCH AND EVALUATION BIBLIOGRAPHY
 HARVARD PROJECT PHYSICS
 EDRS
 ED 025 424 MF \$0.25 HC \$0.36
 11 00 68 7
 *BIBLIOGRAPHIES, *CURRICULUM DEVELOPMENT, *EVALUATION, *PHYSICS,
 *SECONDARY SCHOOL SCIENCE, RESEARCH, SCIENCE COURSE IMPROVEMENT
 PROJECT, HARVARD PROJECT PHYSICS
269. SE 004 178 2 02 32 20
 WELCH, WAYNE W.; AND OTHERS
 THE SELECTION OF A NATIONAL RANDOM SAMPLE OF TEACHERS FOR EXPERIMENTAL
 CURRICULUM EVALUATION
 HARVARD UNIVERSITY, CAMBRIDGE, MASSACHUSETTS
 11 00 67 14
 *CURRICULUM EVALUATION, *EVALUATION, *PHYSICS, *SECONDARY SCHOOL SCIENCE,
 CURRICULUM DEVELOPMENT, SCIENCE TEACHERS, TEACHER SELECTION, HARVARD
 PROJECT PHYSICS, NATIONAL SCIENCE TEACHERS ASSOCIATION, 1967
270. SE 004 325 2 03 94 17
 WHEELER, EDWARD ALLEN
 INDUSTRIAL SPONSORSHIP OF CONTINUING EDUCATION FOR ANTI-OBSOLESCENCE
 OF ENGINEERS AND SCIENTISTS
 LEHIGH UNIVERSITY, BETHLEHEM, PENNSYLVANIA
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 65 180
 *CONTINUATION EDUCATION, *ENGINEERS, *ENGINEERING EDUCATION, *INDUSTRIAL
 TRAINING, *VOCATIONAL EDUCATION, DOCTORAL THESES, RESEARCH REPORTS,
 SCIENTISTS, VOCATIONAL ADJUSTMENT, GENERAL ELECTRIC COMPANY, WESTERN
 ELECTRIC COMPANY, LEHIGH UNIVERSITY

271. SE 004 529 1 03 92 20
 WHITE, CHRISTINE M.
 DEVELOPMENTS IN SCIENCE AT HORTON WATKINS HIGH SCHOOL
 HORTON WATKINS HIGH SCHOOL, ST. LOUIS, MISSOURI
 67 14
 *BIOLOGY, *CHEMISTRY, *INDIVIDUALIZED INSTRUCTION, *PHYSICS, *SECONDARY
 SCHOOL SCIENCE, ADVANCED PROGRAMS, CURRICULUM DEVELOPMENT, EDUCATIONAL
 PROGRAMS, PHYSICAL SCIENCES, PROGRAM DESCRIPTIONS, HORTON WATKINS HIGH
 SCHOOL, ST. LOUIS, MISSOURI
272. SE 004 053 3 02 91 17
 WILSON, JOHN HAROLD
 DIFFERENCES BETWEEN THE INQUIRY-DISCOVERY AND THE TRADITIONAL APPROACHES
 TO TEACHING SCIENCE IN ELEMENTARY SCHOOLS
 UNIVERSITY OF OKLAHOMA, NORMAN
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 ED 021 721 NOT AVAILABLE FROM EDRS
 67 101
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL TEACHER, *ELEMENTARY SCHOOL
 SCIENCE, *INSTRUCTION, *TEACHER EDUCATION, COGNITIVE DEVELOPMENT, CRITICAL
 THINKING, INQUIRY TRAINING, INSERVICE TEACHER EDUCATION, QUESTIONING
 TECHNIQUES, SCIENCE COURSE IMPROVEMENT PROJECT, TEACHER CHARACTERISTICS,
 TEACHING METHODS, TEACHING PROCEDURES, RESEARCH REPORTS, SCIENCE
 CURRICULUM IMPROVEMENT STUDY, 1967
273. SE 004 705 1 02 82 22
 WISE, DONALD L.
 BUILDING A HIGH SCHOOL COURSE - ON ENGINEERING CONCEPTS
 THE SCIENCE TEACHER
 04 00 68 2
 *COMPUTERS, *CURRICULUM DEVELOPMENT, *ENGINEERING, *SECONDARY SCHOOL
 SCIENCE, *SCIENCE COURSES, MATHEMATICS, PROGRAM DESCRIPTIONS, TECHNOLOGY
274. SE 005 063 3 02 23 17
 WISE, JOHN H.
 AN ADVANCED CHEMISTRY LABORATORY PROGRAM
 WASHINGTON AND LEE UNIVERSITY, LEXINGTON, VIRGINIA
 EDRS
 ED 024 580 MF \$0.25 HC \$0.60
 68 10
 *CHEMISTRY, *COLLEGE SCIENCE, *LABORATORY EXPERIMENTS, CURRICULUM
 DEVELOPMENT, INSTRUCTION, UNDERGRADUATE STUDY

275. SE 004 797 1 02 23 20
 WOLFGANG, RICHARD
 THE REVOLUTION IN ELEMENTARY KINETICS AND FRESHMAN CHEMISTRY
 JOURNAL OF CHEMICAL EDUCATION
 06 00 68 3
 *CHEMISTRY, *COLLEGE SCIENCE, *CHEMICAL KINETICS, *CURRICULUM, CHEMICAL
 CHANGE, CHEMICAL REACTIONS, COURSE DESCRIPTIONS, UNDERGRADUATE STUDY
276. SE 005 805 1 03 12 06
 WYATT, H. V.
 TEACHING OF MICROBIOLOGY IN SCHOOLS
 JOURNAL OF BIOLOGICAL EDUCATION
 09 00 68 9
 *BIOLOGY, *CURRICULUM PLANNING, *MICROBIOLOGY, *SECONDARY SCHOOL SCIENCE,
 CONFERENCE REPORTS, COLLEGE SCIENCE, INTERNATIONAL EDUCATION, LABORATORY
 EXPERIMENTS, SCIENCE ACTIVITIES, SCIENCE FACILITIES, NUFFIELD PROJECT,
 ENGLAND
277. SE 004 547 3 02 82 17
 YAGER, ROBERT E.; COSSMAN, GEORGE W.
 GUIDELINES FOR THE DEVELOPMENT OF A COURSE FOR SECONDARY SCHOOLS
 EMPHASIZING THE INTERACTION OF SCIENCE AND THE CULTURE OF MAN
 UNIVERSITY OF IOWA, IOWA CITY
 EDRS
 ED 018 400 MF \$0.75 HC \$8.05
 02 00 68 159
 *ACADEMIC ACHIEVEMENT, *CURRICULUM DEVELOPMENT, *EVALUATION, *SCIENTIFIC
 LITERACY, *SOCIOECONOMIC INFLUENCES, *SOCIAL STUDIES, CURRICULUM,
 CRITICAL THINKING, COURSE DESCRIPTIONS, GRADE 11, GRADE 12, INSTRUCTIONAL
 MATERIALS, RESEARCH REPORTS, SECONDARY SCHOOL SCIENCE, TEST ON UNDERSTANDING
 SCIENCE, FACTS ABOUT SCIENCE, WATSON-GLASER CRITICAL THINKING APPRAISAL,
 STANFORD ADVANCED SCIENCE ACHIEVEMENT TEST, STUDY OF VALUES, SCIENCE
 OPINION SURVEY, IOWA SCIENCE AND CULTURE STUDY ACHIEVEMENT TEST, 1966
278. SE 004 780 1 03 43 20
 YOUNGQUIST, WALTER
 ECOLOGY OF GEOLOGISTS - NEED FOR A COURSE ON THE GEOLOGICAL PROFESSION
 JOURNAL OF GEOLOGICAL EDUCATION
 02 00 66 3
 *CAREER OPPORTUNITIES, *COLLEGE SCIENCE, *EDUCATIONAL PROGRAMS, GEOLOGISTS,
 PROFESSIONAL EDUCATION, UNDERGRADUATE STUDY

279. SE 004 885 2 03 13 06
 ACCREDITATION AND STANDARDS - PRO AND CON, SYMPOSIUM PROCEEDINGS
 HORTSCIENCE
 68 8
 *ACCREDITATION (INSTRUCTIONAL), *HORTICULTURE, *SYMPOSIA, AGRICULTURE,
 BIOLOGICAL SCIENCES, EDUCATIONAL PROGRAMS, FORESTRY, HIGHER EDUCATION,
 NATURAL RESOURCES
280. SE 004 237 3 03 85 20
 ASSOCIATION FOR THE EDUCATION OF TEACHERS OF SCIENCE. COMPILATION OF
 PAPERS AND REPORTS FROM SESSIONS HELD IN CONJUNCTION WITH THE CONVENTION
 OF THE NATIONAL SCIENCE TEACHERS ASSOCIATION (NEW YORK CITY, APRIL
 1, 2, 1966)
 NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTON, D.C.
 EDRS
 ED 017 471 MF \$0.25 HC \$2.75
 66 53
 *DOCTORAL PROGRAMS, *INSTRUCTION, *METHODS COURSES, *PROFESSIONAL
 EDUCATION, *SCIENCE EDUCATION, *TEACHER EDUCATION, *TEACHER CERTIFICATION,
 BOTANY, CULTURALLY DISADVANTAGED, COLLEGE SCIENCE, ELEMENTARY SCHOOL
 SCIENCE, EDUCATIONAL RESEARCH, GRADUATE STUDY, INDIVIDUAL INSTRUCTION,
 JUNIOR COLLEGES, RESEARCH OPPORTUNITIES, SECONDARY SCHOOL SCIENCE
281. SE 004 443 3 02 55 15
 ASTRONOMY
 LOUISIANA ARTS AND SCIENCE CENTER, BATON ROUGE
 EDRS
 ED 018 385 MF \$0.50 HC \$5.50
 65 108
 *ASTRONOMY, *ANNOTATED BIBLIOGRAPHIES, *CURRICULUM, *ELEMENTARY SCHOOL
 SCIENCE, *PHYSICAL SCIENCES, *SECONDARY SCHOOL SCIENCE, AUDIOVISUAL AIDS,
 BIBLIOGRAPHIES, CURRICULUM DEVELOPMENT, STUDENT PROJECTS, SCIENCE
 ACTIVITIES, TEACHING GUIDES, TEACHING TECHNIQUES, SCIENCE UNITS, LOUISIANA
 ARTS AND SCIENCE CENTER, WORLD BOOK ENCYCLOPEDIA, BATON ROUGE

282. SE 004 581 3 02 95 03
 BIBLIOGRAPHY OF SCIENCE COURSES OF STUDY AND TEXTBOOKS, GRADES 7-12
 NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTON, D.C.
 EDRS, NEA PUBLICATIONS SALES, 1201 SIXTEENTH STREET, N.W., WASHINGTON, D.C.
 ED 019 250 MF \$0.50 HARD COPY NOT AVAILABLE
 68 59
 *BIBLIOGRAPHIES, *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE,
 *SECONDARY SCHOOL SCIENCE, BIOLOGICAL SCIENCES, CHEMISTRY, CURRICULUM
 GUIDES, EARTH SCIENCE, GENERAL SCIENCE, INSTRUCTIONAL MATERIALS, PROGRAMED
 MATERIALS, PHYSICAL SCIENCES, PHYSICS, REFERENCE MATERIALS, SCIENCE
 EDUCATION, SCIENCE EXPERIMENTS, SCIENCE COURSE IMPROVEMENT PROJECT,
 TEACHING GUIDES, TEXTBOOKS, NATIONAL SCIENCE TEACHERS ASSOCIATION,
 ELEMENTARY SCIENCE STUDY PROJECT, ELEMENTARY SCIENCE STUDY, INTRODUCTORY
 PHYSICAL SCIENCE, BIOLOGICAL SCIENCES CURRICULUM STUDY, CHEMICAL BOND
 APPROACH, CHEMICAL EDUCATION MATERIALS STUDY, EARTH SCIENCE CURRICULUM
 PROJECT, PHYSICAL SCIENCE STUDY COMMITTEE, SECONDARY SCHOOL SCIENCE
 PROJECT, UNIVERSITY OF IOWA SECONDARY SCIENCE CURRICULUM, MINNEAPOLIS
 PUBLIC SCHOOLS REORGANIZED SCIENCE CURRICULUM, QUANTITATIVE ELEMENTARY
 SCHOOL SCIENCE PROJECT, MICHIGAN SCIENCE CURRICULUM COMMITTEE JUNIOR
 HIGH SCHOOL PROJECT, SPECIAL MATERIALS SCIENCE PROJECT
283. SE 004 481 3 02 13 37
 BIOLOGY FOR THE NON-MAJOR
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS, 1717 MASSACHUSETTS AVENUE, N.W., WASHINGTON, D.C.
 ED 017 481
 67 80
 *BIOLOGY, *COURSE OBJECTIVES, *COLLEGE SCIENCE, *CURRICULUM DEVELOPMENT,
 *COURSE CONTENT, *COURSE ORGANIZATION, *GENERAL EDUCATION, *INSTRUCTIONAL
 MATERIALS, COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
284. SE 004 995 3 03 93 32
 THE COLLEGE COMMISSIONS
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES,
 WASHINGTON, D.C.
 EDRS
 ED 022 689 MF \$0.25 HC \$0.90
 07 00 68 16
 *COLLEGE SCIENCE, *CURRICULUM DEVELOPMENT, AGRICULTURE, BIOLOGICAL
 SCIENCES, ENGINEERING, GEOGRAPHY, GEOLOGY, MATHEMATICS, NEWSLETTERS,
 PHYSICAL SCIENCES

285. SE 004 120 3 02 93 06
 COMPUTER SCIENCES IN ELECTRICAL ENGINEERING
 COMMISSION ON ENGINEERING EDUCATION
 EDRS
 ED 020 128 MF \$0.25 HC \$1.95
 09 00 67 37
 *CURRICULUM DEVELOPMENT, *COLLEGE SCIENCE, *ENGINEERING EDUCATION,
 *PHYSICAL SCIENCES, BIBLIOGRAPHIES, COMPUTER ORIENTED PROGRAMS, ELECTRONICS,
 INFORMATION SCIENCE, PHYSICS, UNDERGRADUATE STUDY, ASSOCIATION FOR
 COMPUTING MACHINERY, MATHEMATICAL ASSOCIATION OF AMERICA
286. SE 005 223 1 02 71 32
 COPES NEWSLETTER
 NEW YORK UNIVERSITY, NEW YORK CITY, NEW YORK
 06 00 67 4
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *GENERAL SCIENCE,
 ENERGY, HEAT, NEWSLETTERS, SCIENTIFIC CONCEPTS, NEW YORK UNIVERSITY,
 UNITED STATES OFFICE OF EDUCATION
287. SE 005 224 1 02 71 32
 COPES NEWSLETTER
 NEW YORK UNIVERSITY, NEW YORK CITY, NEW YORK
 03 00 68 5
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *GENERAL SCIENCE,
 INSERVICE TEACHER EDUCATION, NEWSLETTERS, SCIENCE TESTS, SCIENTIFIC
 CONCEPTS, UNITED STATES OFFICE OF EDUCATION, NEW YORK UNIVERSITY
288. SE 005 317 1 02 71 32
 COPES NEWSLETTER
 NEW YORK UNIVERSITY, NEW YORK CITY, NEW YORK
 03 00 67 4
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *GENERAL SCIENCE,
 *SCIENTIFIC CONCEPTS, EVALUATION, INSTRUCTIONAL MATERIALS, NEWSLETTERS,
 NEW YORK UNIVERSITY, UNITED STATES OFFICE OF EDUCATION
289. SE 004 347 1 02 81 20
 THE CCSS PROGRAM OF THE NATIONAL SCIENCE FOUNDATION
 SCIENCE AND CHILDREN
 03 00 68 2
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *TEACHER EDUCATION,
 EDUCATIONAL PROGRAMS, INSERVICE EDUCATION, SUMMER INSTITUTES, NATIONAL
 SCIENCE FOUNDATION, SCIENCE CURRICULUM IMPROVEMENT STUDY, ELEMENTARY
 SCIENCE STUDY PROJECT, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE,
 COOPERATIVE COLLEGE-SCHOOL SCIENCE

290. SE 005 954 1 02 95 22
 COOPERATIVE EXTENSION, CIS-20
 ERIC CLEARINGHOUSE ON ADULT EDUCATION
 11 00 68 57
 *AGRICULTURAL EDUCATION, *ADULT EDUCATION, *CURRICULUM, *COOPERATIVE
 EXTENSION, *TEACHING METHODS, ADMINISTRATIVE ORGANIZATION, EXTENSION
 AGENTS, HIGHER EDUCATION, VOCATIONAL AGRICULTURE
291. SE 004 463 2 03 93 29
 THE DENISON UNIVERSITY BIOLOGICAL RESERVE, LABORATORY OF ENVIRONMENTAL
 SCIENCES, DESCRIPTION AND PROGRAM
 DENISON UNIVERSITY, GRANVILLE, OHIO
 67 12
 *BIOLOGICAL SCIENCES, *COLLEGE SCIENCES, *EDUCATIONAL PROGRAMS, *SCIENCE
 FACILITIES, ELEMENTARY SCHOOL SCIENCE, EDUCATIONAL RESOURCES, EDUCATIONAL
 PROGRAMS, EARTH SCIENCE, ECOLOGY, OUTDOOR EDUCATION, PROGRAM DESCRIPTIONS,
 SECONDARY SCHOOL SCIENCE, UNDERGRADUATE EDUCATION, DENISON UNIVERSITY,
 GRANVILLE, OHIO
292. SE 005 936 1 03 95 37
 THE DEVELOPMENT OF A SCHOOL SITE OR NATURAL AREA AS AN EDUCATIONAL
 LABORATORY
 ENVIRONMENTAL SCIENCE CENTER, MINNEAPOLIS, MINNESOTA
 5
 *EDUCATIONAL PROGRAMS, *OUTDOOR EDUCATION, *PROGRAM PLANNING, *SCIENCE
 FACILITIES, BIOLOGY, CONSERVATION EDUCATION, ELEMENTARY SCHOOL EDUCATION,
 EARTH SCIENCE, MATHEMATICS, SECONDARY SCHOOL EDUCATION
293. SE 005 316 1 03 92 14
 DIRECTORY SCIENCE TRAINING PROGRAMS FOR HIGH ABILITY SECONDARY SCHOOL
 STUDENTS, SUMMER 1968
 NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
 68 23
 *DIRECTORIES, *EDUCATIONAL PROGRAMS, *SECONDARY SCHOOL SCIENCE, *SUMMER
 SCIENCE PROGRAMS, *SUPERIOR STUDENTS, BIOLOGY, CHEMISTRY, ENGINEERING,
 EARTH SCIENCE, MATHEMATICS, PHYSICS, NATIONAL SCIENCE FOUNDATION
294. SE 004 722 1 02 45 32
 EARTH SCIENCE CURRICULUM PROJECT NEWSLETTER, NO. 16
 EARTH SCIENCE CURRICULUM PROJECT, BOULDER, COLORADO
 05 00 68 8
 *EARTH SCIENCE, *ENROLLMENT TRENDS, *INSTITUTES (TRAINING PROGRAMS),
 *SECONDARY SCHOOL SCIENCE, *TEACHER EDUCATION, COMPUTERS, CONFERENCES,
 NEWSLETTERS, NATIONAL SURVEYS, TEACHER BACKGROUND, TEACHER WORKSHOPS,
 TEACHING TECHNIQUES, EARTH SCIENCE CURRICULUM PROJECT, NATIONAL SCIENCE
 FOUNDATION, COOPERATIVE COLLEGE SCHOOL SCIENCE PROGRAM

295. SE 004 770 1 03 12 29
 EDITORIAL COMMENT
 BIOLOGY AND HUMAN AFFAIRS
 66 9
 *BIOLOGY, *EDUCATIONAL PROGRAMS, *INTERNATIONAL EDUCATION, *PROGRAM DESCRIPTIONS, *SCIENCE COURSE IMPROVEMENT PROJECT, EDUCATIONAL OBJECTIVES, SECONDARY SCHOOL SCIENCE, TESTING, NUFFIELD, PROJECT, ENGLAND
296. SE 005 313 2 02 85 01
 EDUCATION DEVELOPMENT CENTER, ANNUAL REPORT, 1967
 EDUCATION DEVELOPMENT CENTER, NEWTON, MASSACHUSETTS
 67 79
 *CURRICULUM DEVELOPMENT, *PROJECT REPORTS, EARLY CHILDHOOD EDUCATION, ELEMENTARY SCHOOL SCIENCE, ELEMENTARY SCHOOL MATHEMATICS, INTERNATIONAL EDUCATION, INTERNATIONAL PROGRAMS, NATIONAL PROGRAMS, PROGRAM EVALUATION, RESEARCH, SCIENCE COURSE IMPROVEMENT PROJECT, SECONDARY SCHOOL SCIENCE, SECONDARY SCHOOL MATHEMATICS, EDUCATION DEVELOPMENT CENTER, 1967
297. SE 004 589 1 03 59 32
 EDUCATIONAL RESEARCH COUNCIL SCIENCE NEWS
 EDUCATIONAL RESEARCH COUNCIL OF AMERICA, CLEVELAND, OHIO
 04 00 68 8
 *CURRICULUM, *EDUCATIONAL PROGRAMS, EDUCATIONAL RESEARCH, ELEMENTARY SCHOOL SCIENCE, INSTRUCTIONAL MATERIALS, NEWSLETTERS, SCIENCE PROJECTS, SECONDARY SCHOOL SCIENCE
298. SE 004 752 1 02 95 32
 ERC SCIENCE NEWS
 EDUCATIONAL RESEARCH COUNCIL OF AMERICA, CLEVELAND, OHIO
 06 00 68 8
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *SCIENCE WORKSHOPS, *TEACHER EDUCATION, *SECONDARY SCHOOL SCIENCE, LIFE SCIENCE, PHYSICAL SCIENCES, EDUCATIONAL RESEARCH COUNCIL OF AMERICA
299. SE 005 358 1 03 92 29
 ERC SCIENCE PROBLEMS - A PROGRAM OF INDIVIDUALIZED INSTRUCTION IN SCIENCE, FIRST EXPERIMENTAL EDITION
 EDUCATIONAL RESEARCH COUNCIL OF AMERICA, CLEVELAND, OHIO
 01 00 68 6
 *CURRICULUM DEVELOPMENT, *COURSE DESCRIPTIONS, *SECONDARY SCHOOL SCIENCE, EDUCATIONAL PROGRAMS, INTEGRATED COURSES, INDIVIDUALIZED INSTRUCTION, INSTRUCTIONAL MATERIALS, PHYSICAL SCIENCES, SCIENTIFIC ENTERPRISE

300. SE 004 558 1 02 55 32
ENGINEERING CONCEPTS CURRICULUM PROJECT NEWSLETTER
NEW YORK, POLYTECHNIC INSTITUTE OF BROOKLYN, ENGINEERING CONCEPT CURRICULUM
PROJECT
02 00 68 4
*COLLEGE SCIENCE, *CURRICULUM DEVELOPMENT, *ENGINEERING, *SECONDARY SCHOOL
SCIENCE, APPLIED SCIENCES, GENERAL EDUCATION, JUNIOR COLLEGES, NEWSLETTERS,
PHYSICAL SCIENCES, SUMMER INSTITUTES, NATIONAL SCIENCE FOUNDATION,
ENGINEERING CONCEPTS CURRICULUM PROJECT
301. SE 004 811 1 02 92 32
ENGINEERING CONCEPTS CURRICULUM PROJECT (ECCP) NEWSLETTER
ENGINEERING CONCEPTS CURRICULUM PROJECT, BROOKLYN POLYTECHNIC INSTITUTE,
NEW YORK
06 00 68 4
*CURRICULUM DEVELOPMENT, *ENGINEERING, *SECONDARY SCHOOL SCIENCE,
CURRICULUM, COURSE CONTENT, EDUCATIONAL PHILOSOPHY, LABORATORY EXPERIMENTS,
NEWSLETTERS, PROJECT REPORTS, TECHNOLOGY, ENGINEERING CONCEPTS, CURRICULUM
PROJECT, POLYTECHNIC INSTITUTE OF BROOKLYN
302. SE 005 578 1 02 35 32
HARVARD PROJECT PHYSICS NEWSLETTER 1
HARVARD UNIVERSITY, CAMBRIDGE, MASSACHUSETTS
64 11
*CURRICULUM DEVELOPMENT, *PHYSICS, *SECONDARY SCHOOL SCIENCE, NEWSLETTERS,
SCIENCE COURSE IMPROVEMENT PROJECT, STUDENT ENROLLMENT, HARVARD PROJECT
PHYSICS, U.S. OFFICE OF EDUCATION, THE CARNEGIE CORPORATION, THE SLOAN
FOUNDATION, 1964
303. SE 005 579 1 02 35 32
HARVARD PROJECT PHYSICS NEWSLETTER 2
HARVARD UNIVERSITY, CAMBRIDGE, MASSACHUSETTS
65 11
*CURRICULUM DEVELOPMENT, *PHYSICS, *SECONDARY SCHOOL SCIENCE, NEWSLETTERS,
SCIENCE COURSE IMPROVEMENT PROJECT, 1965, HARVARD PROJECT PHYSICS, USOE,
THE CARNEGIE CORPORATION, THE SLOAN FOUNDATION
304. SE 005 580 1 02 35 32
HARVARD PROJECT PHYSICS NEWSLETTER 4
HARVARD UNIVERSITY, CAMBRIDGE, MASSACHUSETTS
66 11
*CURRICULUM DEVELOPMENT, *PHYSICS, *SECONDARY SCHOOL SCIENCE, EVALUATION,
NEWSLETTERS, SCIENCE COURSE IMPROVEMENT PROJECT, SCIENCE CONSULTANTS,
TEACHING GUIDES, USOE, THE CARNEGIE CORPORATION, HARVARD PROJECT PHYSICS,
1966, USING PHYSICS ACHIEVEMENT TESTS, WELCH SCIENTIFIC PROCESSES INVENTORY

305. SE 005 418 1 02 35 32
 HARVARD PROJECT PHYSICS NEWSLETTER 6
 HARVARD UNIVERSITY, CAMBRIDGE, MASSACHUSETTS
 67 11
 *CURRICULUM DEVELOPMENT, *PHYSICS, *SECONDARY SCHOOL SCIENCE, CONFERENCES,
 EVALUATION, NEWSLETTERS, SCIENCE COURSE IMPROVEMENT PROJECTS, HARVARD
 PROJECT PHYSICS, NATIONAL SCIENCE FOUNDATION, USOE, ALFRED P. SLOAN
 FOUNDATION, THE FORD FOUNDATION, HARVARD UNIVERSITY, 1967, PSSC
306. SE 004 890 1 02 32 32
 HARVARD PROJECT PHYSICS NEWSLETTER 7
 HARVARD UNIVERSITY, CAMBRIDGE, MASSACHUSETTS
 68 15
 *CURRICULUM DEVELOPMENT, *PHYSICS, *SECONDARY SCHOOL SCIENCE, EVALUATION,
 FILMS, INSERVICE TEACHER EDUCATION, INSTRUCTIONAL MATERIALS, NEWSLETTERS,
 SOCIOECONOMIC INFLUENCES, SUMMER INSTITUTES, SCIENCE INSTITUTES, USOE,
 NSF, CARNEGIE CORPORATION, FORD FOUNDATION, A.P. SLOAN FOUNDATION
307. SE 005 553 1 03 95 37
 IMPORTANT CHARACTERISTICS OF A GOOD LOCAL PROGRAM OF CONSERVATION EDUCATION
 CONSERVATION EDUCATION ASSOCIATION
 INTERSTATE PRINTERS AND PUBLISHERS, DANVILLE, ILLINOIS
 65 8
 *CONSERVATION EDUCATION, *GUIDELINES, *PROGRAM PLANNING, *RESOURCE
 MATERIALS, INSTRUCTION, CONSERVATION EDUCATION ASSOCIATION
308. SE 004 557 1 02 52 32
 INTERMEDIATE SCIENCE CURRICULUM STUDY NEWSLETTER
 FLORIDA STATE UNIVERSITY, TALLAHASSEE, INTERMEDIATE SCIENCE CURRICULUM
 STUDY
 10 00 67 8
 *CURRICULUM DEVELOPMENT, *NEWSLETTERS, *SECONDARY SCHOOL SCIENCE, COMPUTER
 ASSISTED INSTRUCTION, ENERGY, EVALUATION, GRADE 7, GRADE 8, GRADE 9,
 TEACHING GUIDES, SCIENCE TESTS, TEXTBOOKS, SCIENCE COURSES, UNITED STATES
 OFFICE OF EDUCATION, INTERMEDIATE SCIENCE CURRICULUM STUDY, FLORIDA STATE
 UNIVERSITY
309. SE 004 561 1 03 92 29
 INTERMEDIATE SCIENCE CURRICULUM STUDY NEWSLETTER
 ISCS, FLORIDA STATE UNIVERSITY, TALLAHASSEE
 06 00 67 12
 *EDUCATIONAL PROGRAMS, *PROGRAM DESCRIPTIONS, *SECONDARY SCHOOL SCIENCE,
 *SCIENCE COURSE IMPROVEMENT PROJECT, COMPUTER ASSISTED INSTRUCTION,
 GRADE 7, GRADE 8, GRADE 9, NEWSLETTERS, INTERMEDIATE SCIENCE CURRICULUM STUDY

310. SE 004 888 1 03 92 32
 INTERMEDIATE SCIENCE CURRICULUM STUDY (ISCS) NEWSLETTER #4, REVISIONS
 GET UNDERWAY
 ISCS, FLORIDA STATE UNIVERSITY, TALLAHASSEE
 05 00 68 12
 *SCIENCE COURSE IMPROVEMENT PROJECT, *SECONDARY SCHOOL SCIENCE, BIOLOGY,
 EDUCATIONAL PROGRAMS, GRADE 7, GRADE 8, GRADE 9, NEWSLETTERS, PHYSICAL
 SCIENCES, INTERMEDIATE SCIENCE CURRICULUM STUDY
311. SE 004 556 1 03 81 32
 THE MOHICAN NEWSLETTER
 MOHICAN OUTDOOR SCHOOL, BELLVILLE, OHIO
 02 00 68 4
 *ELEMENTARY SCHOOL SCIENCE, *EDUCATIONAL PROGRAMS, *OUTDOOR EDUCATION,
 NEWSLETTERS, MOHICAN OUTDOOR SCHOOL, ELEMENTARY AND SECONDARY EDUCATION
 ACT, TITLE III
312. SE 004 295 1 02 95 29
 NSF COOPERATIVE COLLEGE-SCHOOL SCIENCE PROGRAMS
 SCHOOL SCIENCE AND MATHEMATICS
 03 00 68 11
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *INSERVICE EDUCATION,
 *SECONDARY SCHOOL SCIENCE, *TEACHER EDUCATION, BIOLOGY, CHEMISTRY,
 EDUCATIONAL PROGRAMS, EARTH SCIENCE, ENGINEERING, PHYSICAL SCIENCES,
 PHYSICS, SCIENCE CURRICULUM IMPROVEMENT STUDY, CHEMICAL EDUCATION MATERIALS
 STUDY, EARTH SCIENCE CURRICULUM PROJECT, ELEMENTARY SCIENCE STUDY PROJECT,
 SCIENCE COURSE IMPROVEMENT PROJECT, BIOLOGICAL SCIENCES CURRICULUM STUDY,
 MADISON PROJECT, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE,
 UNIVERSITY OF ILLINOIS COMMITTEE ON SCHOOL MATHEMATICS, INTRODUCTORY
 PHYSICAL SCIENCE, ENGINEERING CONCEPT CURRICULUM PROJECT, PHYSICAL
 SCIENCE STUDY COMMITTEE, NATIONAL SCIENCE FOUNDATION, COOPERATIVE
 COLLEGE-SCHOOL SCIENCE PROGRAM
313. SE 004 762 1 02 86 06
 THE NSTA CONFERENCES ON SCIENTIFIC LITERACY
 THE SCIENCE TEACHER
 05 00 68 3
 *CONFERENCE REPORTS, *SCIENTIFIC LITERACY, *OBJECTIVES, ATTITUDES,
 AFFECTIVE DOMAIN, COGNITIVE DOMAIN, BEHAVIORAL OBJECTIVES, GENERAL
 EDUCATION, SCIENCE COURSES, VALUES, CONFERENCE ON SCIENTIFIC LITERACY,
 PENNSYLVANIA ACADEMY OF SCIENCES, NATIONAL SUPERVISORS ASSOCIATION,
 NATIONAL SCIENCE TEACHERS ASSOCIATION

314. SE 004 473 1 03 59 29
 NATURE CENTERS, OPEN SPACE, NATURAL AREAS, OUTDOOR LABORATORIES
 AND NATURE PARKS
 NATIONAL AUDUBON SOCIETY
 67 6
 *EDUCATIONAL PROGRAMS, *NATURE CENTERS, *OUTDOOR EDUCATION, *PROGRAM
 DESCRIPTIONS, ADULT EDUCATION, CONSERVATION EDUCATION, COLLEGE SCIENCE,
 ELEMENTARY SCHOOL SCIENCE, RESOURCE MATERIALS, SECONDARY SCHOOL SCIENCE,
 NATIONAL AUDUBON SOCIETY
315. SE 004 562 1 03 45 32
 NEWSLETTER OF THE COUNCIL ON EDUCATION IN THE GEOLOGICAL SCIENCES
 AMERICAN GEOLOGICAL INSTITUTE, WASHINGTON, D.C.
 03 00 68 2
 *GEOLOGY, *SCIENCE TEACHERS, *TEACHER IMPROVEMENT, COLLEGE SCIENCE,
 EARTH SCIENCE, EDUCATIONAL PROGRAMS, NEWSLETTERS, SECONDARY SCHOOL
 SCIENCE, COUNCIL ON EDUCATION IN THE GEOLOGICAL SCIENCES
316. SE 004 720 1 03 91 29
 OCCASION FOR CHANGE
 FLINT HILLS ELEMENTARY SCIENCE PROJECT, EMPORIA, KANSAS
 66 16
 *EDUCATIONAL PROGRAMS, *ELEMENTARY SCHOOL SCIENCE, INSERVICE TEACHER
 EDUCATION, *PROGRAM DESCRIPTIONS, TEACHER EDUCATION, FLINT HILLS ELEMEN-
 TARY SCIENCE PROJECT, ELEMENTARY AND SECONDARY EDUCATION ACT, TITLE III
317. SE 004 536 1 02 83 20
 ON SCIENCE, SCIENTISTS, AND EDUCATION
 THE PHYSICS TEACHER
 04 00 68 5
 *COLLEGE SCIENCE, *GENERAL EDUCATION, *PHYSICAL SCIENCES, *SCIENCE
 EDUCATION, CURRICULUM DEVELOPMENT, EDUCATIONAL PROGRAMS, EDUCATIONAL
 OBJECTIVES, ESSAYS, PHILOSOPHY, SCIENTISTS, HARVARD PROJECT PHYSICS
318. SE 005 536 1 03 95 32
 THE PACESETTER - TALCOTT MOUNTAIN SCIENCE CENTER FOR STUDENT INVOLVEMENT
 TALCOTT MOUNTAIN SCIENCE CENTER FOR STUDENT INVOLVEMENT, AVON, CONNECTICUT
 68 14
 *ELEMENTARY SCHOOL SCIENCE, *EDUCATIONAL PROGRAMS, *SUPPLEMENTARY EDUCATIONAL
 CENTERS, *SECONDARY SCHOOL SCIENCE, BIOLOGY, CREATIVITY, EARTH SCIENCE,
 NEWSLETTERS, PHOTOGRAPHY, SCIENCE COURSES, STUDENT PARTICIPATION, 1968,
 TALCOTT MOUNTAIN SCIENCE CENTER FOR STUDENT INVOLVEMENT, AVON, CONNECTICUT

319. SE 095 390 1 02 23 22
 PHYSICS, THE NUFFIELD FOUNDATION SCIENCE TEACHING PROJECT
 THE NUFFIELD FOUNDATION
 PENGUIN BOOKS LTD., HARMONDSWORTH, MIDDLESEX, ENGLAND
 67 12
 *CURRICULUM DEVELOPMENT, *PHYSICS, *SECONDARY SCHOOL SCIENCE, *SCIENCE
 COURSE IMPROVEMENT PROJECT, APPARATUS, PROJECT REPORTS, TEXTBOOKS, 1967
320. SE 004 455 2 02 54 15
 PLANETARIUM CURRICULUM AN ENRICHMENT COURSE DESIGNED FOR ADULT EDUCATION
 W.J. ARRASMITH PLANETARIUM, NEBRASKA
 68 20
 *ASTRONOMY, *ADULT EDUCATION, *CURRICULUM, *PHYSICAL SCIENCES, *TEACHING
 GUIDES, COURSE OBJECTIVES, COURSE DESCRIPTIONS, EDUCATIONAL PROGRAMS,
 GRAND ISLAND, NEBRASKA
321. SE 004 457 2 02 52 35
 PLANETARIUM CURRICULUM COURSE OUTLINE GRADES 10, 11, AND 12
 W.J. ARRASMITH PLANETARIUM, GRAND ISLAND, NEBRASKA
 68 25
 *ASTRONOMY, *CURRICULUM, *SECONDARY SCHOOL SCIENCE, COURSE CONTENT, GRADE
 10, GRADE 11, GRADE 12, PHYSICAL SCIENCES, SYLLABI, W.J. ARRASMITH
 PLANETARIUM
322. SE 004 456 2 02 52 35
 PLANETARIUM CURRICULUM COURSE OUTLINE GRADES 11 AND 12
 W.J. ARRASMITH PLANETARIUM, NEBRASKA
 67 25
 *ASTRONOMY, *CURRICULUM, *SECONDARY SCHOOL SCIENCE, COURSE CONTENT, GRADE
 11, GRADE 12, PHYSICAL SCIENCES, SYLLABI, W.J. ARRASMITH PLANETARIUM,
 GRAND ISLAND, NEBRASKA
323. SE 005 406 1 03 95 22
 PLANNING A COMPREHENSIVE EDUCATION PLAZA AND SUPPLEMENTARY SERVICES
 CENTER - FINAL REPORT
 SAULT STE. MARIE AREA PUBLIC SCHOOLS, MICHIGAN
 06 30 68 271
 *EDUCATIONAL PLANNING, *EDUCATIONAL PROGRAMS, *PROGRAM DESCRIPTIONS,
 *PROGRAM PLANNING, ADULT EDUCATION, BIOLOGY, COMMUNITY SCHOOL COOPERATION,
 FINE ARTS, FACILITIES, GEOLOGY, HEALTH EDUCATION, OUTDOOR EDUCATION,
 RECREATION, SECONDARY EDUCATION, EDUCATIONAL FACILITIES, VOCATIONAL
 EDUCATION, ELEMENTARY AND SECONDARY EDUCATION ACT, TITLE III, PLAZA PLAN
324. SE 005 554 1 03 95 37
 PLANNING A STATE PROGRAM OF CONSERVATION EDUCATION
 CONSERVATION EDUCATION ASSOCIATION
 INTERSTATE PRINTERS AND PUBLISHERS, DANVILLE, ILLINOIS
 65 13
 *CONSERVATION EDUCATION, *GUIDELINES, *PROGRAM PLANNING, COLLEGE SCIENCE,
 ELEMENTARY SCHOOL SCIENCE, SECONDARY SCHOOL SCIENCE, STATE PROGRAMS,
 TEACHER EDUCATION, CONSERVATION EDUCATION ASSOCIATION

325. SE 004 541 1 03 33 06
 PROCEEDINGS OF THE AMERICAN ASSOCIATION OF PHYSICS TEACHERS SUMMER
 MEETING AT THE UNIVERSITY OF WISCONSIN, MADISON, WISCONSIN, 18-20,
 JUNE, 1964
 AMERICAN JOURNAL OF PHYSICS
 01 00 65 6
 *COLLEGE SCIENCE, *CONFERENCE PROCEEDINGS, *PHYSICS, *PROFESSIONAL
 ASSOCIATIONS, CURRICULUM, EDUCATIONAL PROGRAMS, GENERAL EDUCATION,
 INSTRUCTION, PHYSICAL SCIENCES, SCIENCE LABORATORIES, SCIENCE EQUIPMENT,
 AMERICAN ASSOCIATION OF PHYSICS TEACHERS, 1964
326. SE 005 812 1 02 12 20
 PROGRESS AND DEVELOPMENT IN BIOLOGICAL EDUCATION
 JOURNAL OF BIOLOGICAL EDUCATION
 09 00 68 3
 *BIOLOGY, *COURSE DEVELOPMENT, *CURRICULUM, *INTERNATIONAL EDUCATION,
 *RESEARCH AND DEVELOPMENT CENTERS, *SCIENCE EDUCATION, CHELSEA COLLEGE
 CENTRE FOR SCIENCE EDUCATION, UNITED NATIONS EDUCATION, SCIENTIFIC AND
 CULTURAL ORGANIZATION BIOLOGY PILOT PROJECT
327. SE 004 305 3 02 95 29
 PROJECTS IN IMAGINATIVE NATURE EDUCATION (PINE), SURVEY REPORT AND
 OUTDOOR LABORATORY PLAN
 NATIONAL AUDUBON SOCIETY, NEW YORK, NEW YORK
 EDRS
 ED 017 476 MF \$0.50 HC \$3.85
 01 00 67 75
 *CURRICULUM DEVELOPMENT, *EDUCATIONAL PROGRAMS, *EDUCATIONAL OBJECTIVES,
 *OUTDOOR EDUCATION, *PROGRAM PLANNING, ART, BIOLOGY, CONSERVATION
 EDUCATION, ELEMENTARY SCHOOL SCIENCE, ECOLOGY, EARTH SCIENCE, INSTRUCTION,
 LANGUAGE ARTS, MATHEMATICS, MUSIC, NATURE CENTERS, SECONDARY SCHOOL
 SCIENCE, NATIONAL AUDUBON SOCIETY
328. SE 005 930 1 03 95 22
 A REPORT OF AN AFRICAN EDUCATION PROGRAM
 EDUCATION DEVELOPMENT CENTER, NEWTON, MASSACHUSETTS
 67 63
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *EDUCATIONAL PROGRAMS,
 *INTERNATIONAL EDUCATION, *SECONDARY SCHOOL SCIENCE, MATHEMATICS, NATURAL
 SCIENCES, WORKSHOPS, 1967, AFRICA, EDUCATION DEVELOPMENT CENTER

329. SE 005 059 1 02 85 22
 REPORT OF THE DIRECTOR ON ACTIVITIES AND RECENT DEVELOPMENTS IN ELEMENTARY AND JUNIOR HIGH SCHOOL SCIENCE
 AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, WASHINGTON, D.C.
 UNIVERSITY OF MARYLAND, SCIENCE TEACHING CENTER, COLLEGE PARK
 05 01 63 73
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *ELEMENTARY SCHOOL MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS, *SECONDARY SCHOOL SCIENCE, EDUCATIONAL PROGRAMS, PROJECT REPORTS, 1963
330. SE 001 373 3 02 93 06
 REPORT OF THE MIDWEST CONFERENCE ON ARTICULATION IN THE SCIENCES BETWEEN JUNIOR COLLEGES AND 4-YEAR COLLEGES AND UNIVERSITIES, DES MOINES, IOWA, SEPTEMBER 30-OCTOBER 1, 1966
 NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTON, D.C.
 EDRS
 ED 021 705 MF \$0.25 HC \$2.95
 56 57
 *COLLEGE SCIENCE, *NATURAL SCIENCES, *SCIENCE COURSE ARTICULATION, EDUCATIONAL OBJECTIVES, INTEGRATED SCIENCE, TEAM TEACHING, SCIENTIFIC ENTERPRISE, COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
331. SE 004 365 2 03 91 29
 RESOURCE GUIDE FOR TEACHING THE OUTDOORS, INTERMEDIATE CRYSTAL LAKE DISTRICT NO. 47, ILLINOIS
 55
 *ELEMENTARY SCHOOL SCIENCE, *EDUCATIONAL PROGRAMS, *OUTDOOR EDUCATION, *SCIENCE ACTIVITIES, ART, BIOLOGICAL SCIENCES, EARTH SCIENCE, GRADE 4, GRADE 5, GRADE 6, LANGUAGE ARTS, MUSIC, PHYSICAL EDUCATION, PHYSICAL SCIENCES, SOCIAL STUDIES, TEACHING GUIDES
332. SE 004 367 2 03 92 29
 RESOURCE GUIDE FOR TEACHING THE OUTDOORS, JUNIOR HIGH CRYSTAL LAKE DISTRICT NO. 47, ILLINOIS
 32
 *BIOLOGY, *EDUCATIONAL PROGRAMS, *OUTDOOR EDUCATION, *TEACHING GUIDES, ART, EARTH SCIENCE, HEALTH EDUCATION, LANGUAGE ARTS, MATHEMATICS EDUCATION, PHYSICAL SCIENCES, SOCIAL STUDIES, SECONDARY SCHOOL SCIENCE
333. SE 004 366 2 03 91 30
 RESOURCE GUIDE FOR TEACHING THE OUTDOORS, PRIMARY CRYSTAL LAKE DISTRICT NO. 47, ILLINOIS
 63
 *EDUCATIONAL PROGRAMS, *ELEMENTARY SCHOOL SCIENCE, *OUTDOOR EDUCATION, *TEACHING GUIDES, ART, BIOLOGICAL SCIENCES, EARTH SCIENCE, GRADE 1, GRADE 2, GRADE 3, KINDERGARTEN, LANGUAGE ARTS, PHYSICAL SCIENCES, PHYSICAL EDUCATION, SOCIAL STUDIES

334. SE 004 729 1 02 70 32
 SCIENCE CURRICULUM IMPROVEMENT STUDY, NEWSLETTER NO. 12
 SCIENCE CURRICULUM IMPROVEMENT STUDY, BERKELEY, CALIFORNIA
 68 10
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *INFORMATION
 SOURCES, *TEACHER EDUCATION, INSERVICE COURSES, LIFE SCIENCE, NEWSLETTERS,
 SEQUENTIAL PROGRAMS, UNGRADED PROGRAMS, SCIENCE CURRICULUM IMPROVEMENT
 STUDY
335. SE 004 586 3 02 91 29
 SCIENCE INTERPRETIVE PROGRAM
 MIDDLETOWN TOWNSHIP PUBLIC SCHOOLS, HIGHLAND, NEW JERSEY
 EDRS
 ED 020 898 MF \$0.25 HC \$0.65
 11 00 67 11
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *EDUCATIONAL
 PROGRAMS, *OUTDOOR EDUCATION, *PROGRAM DESCRIPTIONS, BIOLOGY, CONSERVATION
 EDUCATION, EDUCATIONAL OBJECTIVES, ECOLOGY, GEOLOGY, GRADE 4, GRADE 5,
 GRADE 6, OCEANOLOGY, SCIENCE ACTIVITIES, NEW JERSEY, MIDDLETOWN, ELEMEN-
 TARY AND SECONDARY EDUCATION ACT
336. SE 004 805 3 03 93 06
 STEPS TOWARD SCIENTIFIC LITERACY, A REPORT OF COLLEGE-LEVEL CONFERENCES
 ON SCIENCE FOR NONSCIENCE MAJORS 1967-68
 NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTON, D.C.
 EDRS
 ED 020 144 MF \$0.25 HC \$1.40
 68 26
 *BIOLOGY, *BEHAVIORAL OBJECTIVES, *CONFERENCE REPORTS, *COLLEGE SCIENCE,
 *EDUCATIONAL PROGRAMS, *EDUCATIONAL OBJECTIVES, *GENERAL EDUCATION,
 *UNDERGRADUATE STUDY, COURSE DESCRIPTIONS, CHEMISTRY, ELEMENTARY SCHOOL
 SCIENCE, HIGHER EDUCATION, PHYSICAL SCIENCES, SCIENCE EDUCATION, TEACHER
 EDUCATION
337. SE 005 624 2 02 92 35
 SYLLABUS IN SCIENCE
 NEW GUINEA DEPARTMENT OF EDUCATION, KONEDOBUN
 11 00 67 91
 *INSTRUCTIONAL MATERIALS, *INTERNATIONAL EDUCATION, *SYLLABI, *SCIENCE
 COURSES, *SECONDARY SCHOOL SCIENCE, CURRICULUM, NATURAL SCIENCES,
 OBJECTIVES, PHYSICAL SCIENCES, SCIENCE ACTIVITIES, DEPARTMENT OF EDUCATION,
 KONEDOBUN, PAPUA, NEW GUINEA, 1967

338. SE 004 916 2 02 92 15
 SYSTEMS AND SUBSYSTEMS, TEACHER'S GUIDE
 SCIENCE CURRICULUM IMPROVEMENT STUDY, UNIVERSITY OF CALIFORNIA, BERKELEY
 68 138
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTIONAL
 MATERIALS, *TEACHING GUIDES, BIOLOGICAL SCIENCE, PHYSICAL SCIENCES, SCIENCE
 ACTIVITIES, SCIENCE CURRICULUM IMPROVEMENT STUDY, NATIONAL SCIENCE
 FOUNDATION, UNIVERSITY OF CALIFORNIA, 1968
339. SE 005 898 1 03 93 20
 UNDERGRADUATE EDUCATION IN POULTRY SCIENCE (PAPERS PRESENTED DURING THE
 54TH ANNUAL MEETING OF THE POULTRY SCIENCE ASSOCIATION, AUGUST, 1965)
 NATIONAL ACADEMY OF SCIENCES, WASHINGTON, D.C.
 68 32
 *ANIMAL SCIENCE, *AGRICULTURE, *COLLEGE SCIENCE, *CURRICULUM, *EDUCATIONAL
 PROGRAMS, *UNDERGRADUATE PROGRAMS, NATIONAL ACADEMY OF SCIENCES, POULTRY
 SCIENCE ASSOCIATION, 1965
340. SE 004 733 3 02 93 29
 UNDERGRADUATE EDUCATION IN RENEWABLE NATURAL RESOURCES, AN ASSESSMENT
 NATIONAL ACADEMY OF SCIENCES, NATIONAL RESEARCH COUNCIL, WASHINGTON, D.C.
 EDRS
 ED 020 141 MF \$0.25 HC \$1.75
 67 33
 *CURRICULUM, *EDUCATIONAL PROGRAMS, *HIGHER EDUCATION, *NATURAL RESOURCES,
 *PROGRAM DESCRIPTIONS, *UNDERGRADUATE STUDY, ANIMAL SCIENCE, CURRICULUM
 PLANNING, CURRICULUM PROBLEMS, COLLEGE SCIENCE, MATHEMATICS, PLANT SCIENCE,
 SOCIAL SCIENCE, SCIENCE EDUCATION, SOIL SCIENCE, NATIONAL ACADEMY OF
 SCIENCES, COMMISSION ON EDUCATION IN AGRICULTURE AND NATURAL RESOURCES,
 NATIONAL RESEARCH COUNCIL, NATIONAL SCIENCE FOUNDATION
341. SE 004 734 3 02 13 06
 UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES FOR STUDENTS IN AGRICULTURE AND NATURAL RESOURCES
 NATIONAL ACADEMY OF SCIENCE, NATIONAL RESEARCH COUNCIL, WASHINGTON, D.C.
 EDRS
 ED 020 142 MF \$0.50 HC \$4.85
 67 95
 *AGRICULTURAL TRENDS, *AGRICULTURE, *AGRICULTURAL EDUCATION, *BIOLOGICAL
 SCIENCES, *COLLEGE SCIENCE, *CONFERENCE REPORTS, *CURRICULUM, *EDUCATIONAL
 PROGRAMS, *INSTRUCTION, *UNDERGRADUATE STUDY, ANIMAL SCIENCE, EDUCATIONAL
 CHANGE, MANPOWER NEEDS, NATURAL RESOURCES, PLANT SCIENCE, RURAL AREAS,
 SOIL SCIENCE, SOCIAL SCIENCE, SCIENTIFIC RESEARCH, SCIENCE EDUCATION,
 COMMISSION ON EDUCATION IN AGRICULTURE AND NATURAL RESOURCES, COMMISSION
 ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES, NATIONAL ACADEMY
 OF SCIENCES, NATIONAL RESEARCH COUNCIL

342. SE 095 753 3 03 03 06
 AN UNDERGRADUATE ELECTRICAL ENGINEERING COURSE OF COMPUTER ORGANIZATION
 COMMISSION ON ENGINEERING EDUCATION, WASHINGTON, D.C.
 EDRS
 ED 024 697 MF \$0.25 HC \$0.45
 10 00 68 7
 *CONFERENCE REPORTS, *COMPUTER SCIENCE, *COURSE DESCRIPTIONS, *ENGINEERING,
 *ENGINEERING EDUCATION, COMPUTER ORIENTED PROGRAMS, CURRICULUM GUIDES,
 ELECTRICAL OCCUPATIONS, SCIENCE COURSES, COSINE COMMITTEE, COMMISSION ON
 ENGINEERING EDUCATION, NATIONAL SCIENCE FOUNDATION
343. SE 004 446 3 07 45 15
 UNIT - PETROLOGY
 LOUISIANA ARTS AND SCIENCE CENTER, BATON ROUGE
 EDRS
 ED 018 388 MF \$0.25 HC \$1.90
 67 36
 *CURRICULUM, *EARTH SCIENCE, *ELEMENTARY SCHOOL SCIENCE, *PHYSICAL
 SCIENCES, *SECONDARY SCHOOL SCIENCE, *SCIENCE ACTIVITIES, *TEACHING
 GUIDES, AUDIOVISUAL AIDS, BIBLIOGRAPHIES, STUDENT PROJECTS, TEACHING
 TECHNIQUES, SCIENCE UNITS, LOUISIANA ARTS AND SCIENCE CENTER, BATON
 ROUGE, WORLD BOOK ENCYCLOPEDIA
344. SE 004 121 2 03 15 06
 UNITED STATES PARTICIPATION IN THE INTERNATIONAL BIOLOGICAL PROGRAM
 NATIONAL RESEARCH COUNCIL, WASHINGTON, D.C.
 01 00 67 26
 *BIOLOGICAL SCIENCES, *CONSERVATION, *ECOLOGY, *INTERNATIONAL PROGRAMS,
 *CONFERENCE REPORTS, INTERNATIONAL EDUCATION, SOCIOECONOMIC INFLUENCES,
 NATIONAL RESEARCH COUNCIL, NATIONAL ACADEMY OF SCIENCES, NATIONAL ACADEMY
 OF ENGINEERING, UNITED STATES NATIONAL COMMITTEE FOR THE INTERNATIONAL
 BIOLOGICAL PROGRAM, INTERNATIONAL COUNCIL OF SCIENTIFIC UNIONS, INTER-
 NATIONAL UNION OF BIOLOGICAL SCIENCES, NATIONAL SCIENCE FOUNDATION
345. SE 004 480 2 02 32 11
 VECTORS
 HARVARD PROJECT PHYSICS, CAMBRIDGE, MASSACHUSETTS
 66 80
 *CURRICULUM DEVELOPMENT, *INSTRUCTIONAL MATERIALS, *PHYSICS, *PROGRAMED
 UNITS, *SECONDARY SCHOOL SCIENCE, CURRICULUM, EDUCATIONAL PROGRAMS,
 PHYSICAL SCIENCES, PROGRAMED MATERIALS, TEXTBOOKS, VECTORS, CARNEGIE
 CORPORATION, NATIONAL SCIENCE FOUNDATION, SLOAN FOUNDATION, USOE

346. SE 004 889

1

02 51 29

THE WORLD OF CHANGE

NATIONAL CENTER FOR SCHOOL AND COLLEGE TELEVISION, BLOOMINGTON, INDIANA

3

*CURRICULUM, *ELEMENTARY SCHOOL SCIENCE, *PHYSICAL SCIENCES, *TELECOURSES,
COURSE CONTENT, EDUCATIONAL PROGRAMS, GRADE 6, SCIENTIFIC METHODOLOGY,
SCIENCE COURSES

5. SE 005 681 1 03 09 20
 BEBERMAN, MAX
 UNIVERSITY OF ILLINOIS COMMITTEE ON SCHOOL MATHEMATICS
 UNIVERSITY OF ILLINOIS COMMITTEE ON SCHOOL MATHEMATICS, UNIVERSITY OF
 ILLINOIS, URBANA
 08 00 66 5
 *CURRICULUM DEVELOPMENT, *EDUCATIONAL PROGRAMS, *MATHEMATICS, *SECONDARY
 SCHOOL MATHEMATICS, ALGEBRA, GEOMETRY, GRADE 9, GRADE 10, GRADE 11,
 GRADE 12, TEXTBOOKS, TESTS, UNIVERSITY OF ILLINOIS COMMITTEE ON SCHOOL
 MATHEMATICS
6. SE 005 684 1 02 09 22
 BEBERMAN, MAX
 UNIVERSITY OF ILLINOIS COMMITTEE ON SCHOOL MATHEMATICS - FIFTEEN YEARS
 OF EXPERIMENTATION
 UNIVERSITY OF ILLINOIS COMMITTEE ON SCHOOL MATHEMATICS, UNIVERSITY OF
 ILLINOIS, URBANA
 67 3
 *CURRICULUM, *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS, CURRICULUM
 DEVELOPMENT, GEOMETRY, INSTRUCTION, UNIVERSITY OF ILLINOIS COMMITTEE
 ON SCHOOL MATHEMATICS
7. SE 005 972 1 02 09 17
 BRADSHAW, CHARLES KENNETH
 MATHEMATICS TEACHING IN THE PUBLIC SECONDARY SCHOOLS OF THE STATE OF NEVADA
 UNIVERSITY OF CALIFORNIA, BERKELEY
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 68 267
 *CURRICULUM, *INSERVICE TEACHER EDUCATION, *MATHEMATICS, *SECONDARY SCHOOL
 MATHEMATICS, *TEACHER EDUCATION, INSERVICE EDUCATION, MATHEMATICS TEACHERS,
 TEACHER ATTITUDES, NEVADA, 1968, DOCTORAL THESES
8. SE 005 514 1 02 09 16
 BROWN, SISTER MARY GILBERT
 A COURSE GUIDE FOR MODERN MATHEMATICS IN AN ABILITY GROUPING PROGRAM AT
 SACRED HEART ACADEMY, LOUISVILLE, KENTUCKY
 DAYTON UNIVERSITY, OHIO, SCHOOL OF EDUCATION
 08 00 66 2
 *ABILITY GROUPING, *CURRICULUM, *CURRICULUM DEVELOPMENT, *MATHEMATICS,
 *SECONDARY SCHOOL MATHEMATICS, ALGEBRA, COURSE CONTENT, GEOMETRY,
 INSTRUCTION, MODERN MATHEMATICS, OBJECTIVES, REFERENCE MATERIALS, TRIG-
 ONOMETRY, LOUISVILLE, KENTUCKY

9. SE 005 558 1 03 09 31
 BUCK, CHARLES; AND OTHERS
 GREATER CLEVELAND MATHEMATICS PROGRAM
 EDUCATIONAL RESEARCH COUNCIL OF AMERICA, CLEVELAND, OHIO
 02 00 68 15
 *COURSE DESCRIPTIONS, *DISCOVERY PROCESSES, *CURRICULUM, *GEOMETRY,
 *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS, INSTRUCTION, GREATER
 CLEVELAND MATHEMATICS PROGRAM
10. SE 005 043 3 02 09 15
 BUTLER, MARION
 A9 MATHEMATICS, AN INSTRUCTIONAL BULLETIN
 LOS ANGELES CITY SCHOOLS, CALIFORNIA
 EDRS
 ED 022 693 MF \$0.25 HC \$0.75
 68 13
 *ARITHMETIC, *CURRICULUM, *SLOW LEARNERS, *TEACHING GUIDES, ALGEBRA,
 CURRICULUM GUIDES, GRADE 9, MATHEMATICS, LOS ANGELES, CALIFORNIA
11. SE 004 725 1 03 09 29
 CALIFORNIA STATE DEPARTMENT OF EDUCATION
 GUIDELINES FOR MILLER MATHEMATICS IMPROVEMENT PROGRAMS, ACCELERATED
 INSTRUCTION PROJECT
 CALIFORNIA STATE DEPARTMENT OF EDUCATION, SACRAMENTO
 68 9
 *ACCELERATED PROGRAMS, *INSTRUCTION, *MATHEMATICS, *SECONDARY SCHOOL
 MATHEMATICS, ACCELERATION, EDUCATIONAL PROGRAMS, GUIDELINES, PROGRAM
 DESCRIPTIONS
12. SE 004 950 3 02 09 22
 CHINN, WILLIAM G.; SUMMERFIELD, JEANETTE O.
 SCHOOL MATHEMATICS STUDY GROUP REPORT NO. 4, THE SPECIAL CURRICULUM
 PROJECT: 1965-1966 PILOT PROGRAM ON MATHEMATICS LEARNING OF CULTURALLY
 DISADVANTAGED PRIMARY SCHOOL CHILDREN
 STANFORD UNIVERSITY, CALIFORNIA, SCHOOL MATHEMATICS STUDY GROUP
 EDRS
 ED 021 756 MF \$0.50 HC \$4.05
 67 79
 *ACHIEVEMENT, *CURRICULUM, *ELEMENTARY SCHOOL MATHEMATICS, *MATHEMATICS,
 COMPARATIVE ANALYSIS, CULTURALLY DISADVANTAGED, CURRICULUM DEVELOPMENT,
 GRADE 1, KINDERGARTEN, LEARNING, SCHOOL MATHEMATICS STUDY GROUP,
 NATIONAL SCIENCE FOUNDATION

13. SE 005 634 1 03 09 32
 COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS
 NEWSLETTER, NUMBER 2
 COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS, BERKELEY,
 CALIFORNIA
 CS 03 68 12
 *CURRICULUM DEVELOPMENT, *COLLEGE SCIENCE, *COLLEGE MATHEMATICS,
 *MATHEMATICS, *NEWSLETTERS, EDUCATIONAL PROGRAMS, ELEMENTARY SCHOOL
 TEACHERS, ENGINEERING, SECONDARY SCHOOL TEACHERS, TEACHER EDUCATION,
 UNDERGRADUATE STUDY, MATHEMATICAL ASSOCIATION OF AMERICA, COMMITTEE
 ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS, 1968
14. SE 005 948 1 02 09 31
 CRESWELL, DORIS E.; BERGER, EMANUEL
 MATHEMATICS CONTENT AUTHORITY LIST: K-6
 PENNSYLVANIA STATE DEPARTMENT OF PUBLIC INSTRUCTION, HARRISBURG
 06 02 68 99
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL MATHEMATICS, *MATHEMATICS,
 *MATHEMATICAL CONCEPTS, CURRICULUM, FUNDAMENTAL CONCEPTS, INSTRUCTION,
 PROGRAM DEVELOPMENT, PRIMES (PENNSYLVANIA RETRIEVAL OF INFORMATION FOR
 MATHEMATICS EDUCATION SYSTEM), 1968
15. SE 005 333 3 02 09 11
 DAVIS, ROBERT B.
 DISCOVERY IN MATHEMATICS, STUDENT DISCUSSION GUIDE
 WEBSTER COLLEGE, ST. LOUIS, MISSOURI; SYRACUSE UNIVERSITY, NEW YORK
 ADDISON-WESLEY PUBLISHING COMPANY, READING, MASSACHUSETTS
 ED 024 597 NOT AVAILABLE FROM EDRS
 64 101
 *ARITHMETIC, *DISCOVERY LEARNING, *ELEMENTARY SCHOOL MATHEMATICS,
 *MATHEMATICS, *TEACHING GUIDES, ALGEBRA, INSTRUCTION, INSTRUCTIONAL
 MATERIALS, MATHEMATICAL CONCEPTS, THE MADISON PROJECT
16. SE 005 092 3 02 09 11
 DAVIS, ROBERT B.
 EXPLORATIONS IN MATHEMATICS, A TEXT FOR TEACHERS
 SYRACUSE UNIVERSITY, NEW YORK; WEBSTER COLLEGE, ST. LOUIS, MISSOURI
 ADDISON-WESLEY PUBLISHING COMPANY, READING, MASSACHUSETTS
 ED 023 587 NOT AVAILABLE FROM EDRS
 67 421
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL MATHEMATICS, *MATHEMATICS,
 *SECONDARY SCHOOL MATHEMATICS, *TEACHER EDUCATION, ALGEBRA, CURRICULUM,
 INSERVICE COURSES, INSERVICE TEACHER EDUCATION, INSTRUCTIONAL MATERIALS,
 MATHEMATICAL CONCEPTS, MODERN MATHEMATICS, PROGRAM DEVELOPMENT, THE
 MADISON PROJECT

17. SE 004 117 3 02 09 17
 DAVIS, ROBERT B.
 A MODERN MATHEMATICS PROGRAM AS IT PERTAINS TO THE INTERRELATIONSHIP OF MATHEMATICAL CONTENT, TEACHING METHODS AND CLASSROOM ATMOSPHERE - THE MADISON PROJECT
 SYRACUSE UNIVERSITY, NEW YORK; WEBSTER COLLEGE, WEBSTER GROVE, MISSOURI
 EDRS
 ED 017 458 MF \$1.50 HC \$19.15
 10 03 67 381
 *CURRICULUM, *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL MATHEMATICS, *INSTRUCTION, *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS, *TEACHING METHODS, ALGEBRA, ARITHMETIC, GEOMETRY, *INSTRUCTIONAL MATERIALS, RESEARCH REPORTS, THE MADISON PROJECT, SYRACUSE UNIVERSITY, WEBSTER UNIVERSITY, 1967
18. SE 004 948 3 02 09 22
 DEVENNEY, WILLIAM S.
 SCHOOL MATHEMATICS STUDY GROUP REPORT NO. 6, PRELIMINARY REPORT ON AN EXPERIMENT WITH JUNIOR HIGH SCHOOL VERY LOW ACHIEVERS IN MATHEMATICS
 STANFORD UNIVERSITY, CALIFORNIA, SCHOOL MATHEMATICS STUDY GROUP
 EDRS
 ED 021 754 MF \$0.50 HC \$5.95
 68 117
 *ACHIEVEMENT, *CURRICULUM, *LOW ACHIEVERS, *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS, ACADEMIC ACHIEVEMENT, CURRICULUM DEVELOPMENT, INSTRUCTION, LEARNING, LOW ABILITY STUDENTS, SCHOOL MATHEMATICS STUDY GROUP
19. SE 005 086 3 02 09 06
 DUREN, W. L., JR.
 A GENERAL CURRICULUM IN MATHEMATICS FOR COLLEGES
 COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS, BERKELEY, CALIFORNIA
 EDRS
 ED 022 697 MF \$0.50 HC \$4.05
 01 00 65 79
 *COLLEGE MATHEMATICS, *CURRICULUM, ALGEBRA, COURSE DESCRIPTIONS, CURRICULUM PLANNING, CURRICULUM DEVELOPMENT, CALCULUS, GRADUATE STUDY, MATHEMATICS, OBJECTIVES, COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS, NATIONAL SCIENCE FOUNDATION

20. SE 005 082 3 02 09 06
 DUREN, WILLIAM L., JR.
 PREPARATION FOR GRADUATE STUDY IN MATHEMATICS
 COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS, BERKELEY, CALIFORNIA
 EDRS
 ED 022 695 MF \$0.25 HC \$1.30
 11 00 65 24
 *ALGEBRA, *CURRICULUM PLANNING, *COLLEGE MATHEMATICS, COURSE DESCRIPTIONS,
 CURRICULUM DEVELOPMENT, MATHEMATICS, GRADUATE STUDY, RESEARCH, COMMITTEE
 ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS, NATIONAL SCIENCE FOUNDATION
21. SE 005 091 3 02 09 06
 DUREN, WILLIAM L., JR.
 RECOMMENDATIONS ON THE UNDERGRADUATE MATHEMATICS PROGRAM FOR WORK IN
 COMPUTING
 COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS, BERKELEY, CALIFORNIA
 EDRS
 ED 022 699 MF \$0.25 HC \$1.75
 05 00 64 33
 *COMPUTER ORIENTED PROGRAMS, *COMPUTERS, *CURRICULUM, *COLLEGE MATHEMATICS,
 COURSE DESCRIPTIONS, CURRICULUM PLANNING, CURRICULUM DEVELOPMENT, MATHEMATICS,
 OBJECTIVES, UNDERGRADUATE STUDY, COMMITTEE ON THE UNDERGRADUATE PROGRAM
 IN MATHEMATICS, NATIONAL SCIENCE FOUNDATION
22. SE 004 154 3 02 09 06
 DUREN, WILLIAM L., JR.
 TENTATIVE RECOMMENDATIONS FOR THE UNDERGRADUATE MATHEMATICS PROGRAM OF
 STUDENTS IN THE BIOLOGICAL MANAGEMENT AND SOCIAL SCIENCES
 COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS, BERKELEY, CALIFORNIA
 EDRS
 ED 017 460 MF \$0.25 HC \$1.75
 01 00 64 33
 *COLLEGE MATHEMATICS, *CURRICULUM DEVELOPMENT, *MATHEMATICS, *SOCIAL
 SCIENCES, *UNDERGRADUATE STUDY, ALGEBRA, BIOLOGY, CURRICULUM, HIGHER
 EDUCATION, INSTRUCTION, STATISTICS, NATIONAL SCIENCE FOUNDATION, MATH-
 EMATICAL ASSOCIATION OF AMERICA
23. SE 004 990 3 02 09 06
 DURST, LINCOLN K.
 COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS GEOMETRY CONFERENCE,
 PART 1: CONVEXITY AND APPLICATIONS
 COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS, BERKELEY, CALIFORNIA
 EDRS
 ED 024 576 MF \$0.75 HC \$7.90
 08 00 67 156
 *CONFERENCE REPORTS, *CURRICULUM, *COLLEGE MATHEMATICS, *GEOMETRY, MATH-
 EMATICS, UNDERGRADUATE STUDY, NATIONAL SCIENCE FOUNDATION, SANTA BARBARA,
 CALIFORNIA

24. SE 004 991 3 02 09 06
 DURST, LINCOLN K.
 COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS GEOMETRY CONFERENCE,
 PART II: GEOMETRY IN OTHER SUBJECTS
 COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS, BERKELEY, CALIFORNIA
 EDRS
 ED 024 577 MF \$0.50 HC \$6.40
 09 00 67 126
 *CONFERENCE REPORTS, *CURRICULUM, *COLLEGE MATHEMATICS, *GEOMETRY,
 *MATHEMATICS, CALCULUS, CONFERENCES. CURRICULUM DEVELOPMENT, COURSE
 CONTENT, INSTRUCTION, UNDERGRADUATE STUDY, NATIONAL SCIENCE FOUNDATION,
 SANTA BARBARA, CALIFORNIA
25. SE 004 992 3 02 09 06
 DURST, LINCOLN K.
 COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS GEOMETRY CONFERENCE,
 PART III: GEOMETRIC TRANSFORMATION GROUPS AND OTHER TOPICS
 COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS, BERKELEY, CALIFORNIA
 EDRS
 ED 024 578 MF \$0.75 HC \$8.80
 10 00 67 174
 *CONFERENCE REPORTS, *CURRICULUM, *COLLEGE MATHEMATICS, *GEOMETRY,
 *MATHEMATICS, CONFERENCES, CURRICULUM DEVELOPMENT, INSTRUCTION, UNDER-
 GRADUATE STUDY, NATIONAL SCIENCE FOUNDATION, SANTA BARBARA, CALIFORNIA
26. SE 004 156 3 02 09 06
 DURST, LINCOLN K.
 RECOMMENDATIONS ON THE UNDERGRADUATE MATHEMATICS PROGRAM FOR ENGINEERS
 AND PHYSICISTS
 COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS, BERKELEY, CALIFORNIA
 EDRS
 ED 017 462 MF \$0.25 HC \$2.70
 01 00 67 52
 *COLLEGE MATHEMATICS, *CURRICULUM DEVELOPMENT, *ENGINEERING, *MATHEMATICS,
 *PHYSICS, *UNDERGRADUATE STUDY, CURRICULUM, HIGHER EDUCATION, INSTRUCTION,
 NATIONAL SCIENCE FOUNDATION, MATHEMATICAL ASSOCIATION OF AMERICA
27. SE 004 498 3 02 09 22
 DYE, DAVID L.
 STATUS OF MATHEMATICS EDUCATION IN MINNESOTA SCHOOLS
 MINNESOTA STATE DEPARTMENT OF EDUCATION, ST. PAUL
 EDRS
 ED 018 394 MF \$0.25 HC \$1.80
 66 34
 *CURRICULUM, *ELEMENTARY SCHOOL MATHEMATICS, *INSERVICE TEACHER EDUCATION,
 *MATHEMATICS, *MATHEMATICS EDUCATION, *SECONDARY SCHOOL MATHEMATICS,
 *TEACHER QUALIFICATIONS, EVALUATION, OVERHEAD PROJECTIONS, TEXTBOOKS,
 TEACHER EDUCATION, MINNESOTA

28. SE 005 386 1 02 09 15
 EDUCATIONAL RESEARCH COUNCIL OF AMERICA
 GREATER CLEVELAND MATHEMATICS PROGRAM - SCOPE AND SEQUENCE - GRADES K-6
 EDUCATIONAL RESEARCH COUNCIL OF AMERICA, CLEVELAND, OHIO
 68 24
 *CURRICULUM, *ELEMENTARY SCHOOL MATHEMATICS, *CURRICULUM GUIDES, *SECONDARY
 SCHOOL MATHEMATICS, ARITHMETIC, FUNDAMENTAL CONCEPTS, MATHEMATICS, NUMBER
 CONCEPTS, PROBLEM SOLVING, TEACHING GUIDES, WHOLE NUMBERS, GREATER CLEVELAND
 MATHEMATICS PROJECT
29. SE 004 149 3 02 09 16
 ENGELKING, D.F.
 MATHEMATICS PROGRAM FOR IDAHO PUBLIC SCHOOLS
 IDAHO STATE DEPARTMENT OF EDUCATION, BOISE
 EDRS
 ED 018 369 MF \$0.25 HC \$1.90
 65 36
 *ARITHMETIC, *CURRICULUM GUIDES, *MATHEMATICS, *SECONDARY SCHOOL MATH-
 EMATICS, ALGEBRA, ADVANCED PLACEMENT, CURRICULUM, ELEMENTARY SCHOOL
 MATHEMATICS, SPIRAL CURRICULUM
30. SE 005 864 1 02 09 20
 ENGEN, H. VAN
 COUNTING IS NOT BASIC!
 SCHOOL SCIENCE AND MATHEMATICS
 11 00 68 3
 *CURRICULUM, *ELEMENTARY SCHOOL MATHEMATICS, *MATHEMATICS, *OBJECTIVES,
 ARITHMETIC, CURRICULUM DEVELOPMENT, FUNDAMENTAL CONCEPTS
31. SE 005 042 3 02 09 22
 FEHR, HOWARD F.
 SUMMARY OF OBJECTIVES AND ACTIVITY SEPTEMBER, 1965 TO JANUARY, 1968,
 SECONDARY SCHOOL MATHEMATICS CURRICULUM IMPROVEMENT STUDY
 COLUMBIA UNIVERSITY, NEW YORK, TEACHERS COLLEGE
 EDRS
 ED 022 692 MF \$0.25 HC \$0.80
 68 14
 *CURRICULUM, *CURRICULUM DEVELOPMENT, *EDUCATIONAL OBJECTIVES, *MATHEMATICS,
 *SECONDARY SCHOOL MATHEMATICS, COURSE CONTENT, OBJECTIVES, SECONDARY SCHOOL
 MATHEMATICS CURRICULUM IMPROVEMENT STUDY

32. SE 004 505 3 02 09 15
 FOLEY, JACK L.
 NUMBER SENTENCES, EQUATIONS AND INEQUALITIES
 PALM BEACH COUNTY PROGRAM FOR MATHEMATICALLY UNDERDEVELOPED PUPILS, FLORIDA
 EDRS
 ED 021 726 MF \$0.25 HC \$1.85
 08 00 67 35
 *ARITHMETIC, *ALGEBRA, *CURRICULUM DEVELOPMENT, *MATHEMATICS, *SECONDARY
 SCHOOL MATHEMATICS, CURRICULUM, ELEMENTARY SCHOOL MATHEMATICS, INSTRUCTIONAL
 MATERIALS, ELEMENTARY AND SECONDARY EDUCATION ACT TITLE III
33. SE 004 504 3 02 09 15
 FOLEY, JACK L.
 PATTERNS, PARTICULARS AND GUESSES
 PALM BEACH COUNTY PROGRAM FOR MATHEMATICALLY UNDERDEVELOPED PUPILS, FLORIDA
 EDRS
 ED 021 725 MF \$0.25 HC \$1.35
 05 00 67 25
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL MATHEMATICS, MATHEMATICS,
 ARITHMETIC, ADDITION, CURRICULUM, DIVISION, GEOMETRY, LOW ABILITY STUDENTS,
 SET THEORY, TRIGONOMETRY, ELEMENTARY AND SECONDARY EDUCATION ACT TITLE III
34. SE 004 522 3 02 09 15
 FOLEY, JACK L.
 SIMILARITY
 PALM BEACH COUNTY PROGRAM FOR MATHEMATICALLY UNDERDEVELOPED PUPILS, FLORIDA
 EDRS
 ED 021 731 MF \$0.25 HC \$2.75
 05 00 67 53
 *ELEMENTARY SCHOOL MATHEMATICS, *GEOMETRY, *SECONDARY SCHOOL MATHEMATICS,
 *TRIGONOMETRY, CURRICULUM, CURRICULUM DEVELOPMENT, INSTRUCTIONAL MATERIALS,
 LOW ABILITY STUDENTS, MATHEMATICS, ELEMENTARY AND SECONDARY EDUCATION ACT
 TITLE III
35. SE 005 689 1 02 09 29
 GOLDEN, WILLIAM
 UICSM IN ITS SECOND DECADE
 JOURNAL OF RESEARCH IN SCIENCE TEACHING
 63 5
 *CURRICULUM, *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS, ARITHMETIC,
 ACHIEVEMENT, ALGEBRA, DISCOVERY LEARNING, EVALUATION, GRADE 7, GEOMETRY,
 INSTRUCTION, PROGRAM DESCRIPTIONS, RESEARCH, TEXTBOOK PREPARATION, UNIVERSITY
 OF ILLINOIS COMMITTEE ON SCHOOL MATHEMATICS

36. SE 005 935 1 03 09 17
 GRAY, DAVID
 FINAL REPORT ON THE 1967 SUMMER BASIC SKILLS PROGRAM
 PHILADELPHIA SCHOOL DISTRICT, PENNSYLVANIA
 68 30
 *ACHIEVEMENT, *ARITHMETIC, *ATTITUDES, *READING, *UNDERACHIEVERS, ELEMENTARY
 SCHOOL MATHEMATICS, EVALUATION, EDUCATIONAL PROGRAMS, INSTRUCTION, SUMMER
 PROGRAMS, STUDENT ATTITUDES, TESTING, PHILADELPHIA
37. SE 004 949 3 02 09 17
 HERRIOT, SARAH T.
 SCHOOL MATHEMATICS STUDY GROUP REPORT NO. 5, THE SLOW LEARNER PROJECT:
 THE SECONDARY SCHOOL "SLOW LEARNER" IN MATHEMATICS
 STANFORD UNIVERSITY, CALIFORNIA, SCHOOL MATHEMATICS STUDY GROUP
 EDRS
 ED 021 755 MF \$0.75 HC \$8.50
 67 168
 *CURRICULUM, *INSTRUCTION, *MATHEMATICS, *SLOW LEARNERS, *SECONDARY SCHOOL
 MATHEMATICS, ARITHMETIC, ALGEBRA, COMPARATIVE ANALYSIS, CURRICULUM DEVELOPMENT,
 LEARNING, LEARNING PROCESSES, SCHOOL MATHEMATICS STUDY GROUP, NATIONAL
 SCIENCE FOUNDATION
38. SE 004 683 3 02 09 15
 KELLEY, JOHN L.; AND OTHERS
 MATHEMATICS PROGRAM, K-8, 1967-1968 STRANDS REPORT, PART 2
 CALIFORNIA STATE DEPARTMENT OF EDUCATION, SACRAMENTO
 EDRS
 ED 022 676 MF \$0.50 HC \$4.20
 68 82
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL MATHEMATICS, *MATHEMATICS,
 ALGEBRA, CURRICULUM PLANNING, CURRICULUM, FUNDAMENTAL CONCEPTS, GEOMETRY,
 NUMBER CONCEPTS, PROBLEM SOLVING, SECONDARY SCHOOL MATHEMATICS, CALIFORNIA
 STATE DEPARTMENT OF EDUCATION, STATEWIDE MATHEMATICS ADVISORY COMMITTEE, 1968
39. SE 004 938 3 02 09 17
 KLEIN, GEORGE
 FEASIBILITY OF A NEW BASIS FOR SCHOOL ARITHMETIC. FINAL REPORT
 CHICAGO UNIVERSITY, ILLINOIS
 EDRS
 ED 021 753 MF \$0.25 HC \$0.95
 06 00 68 17
 *CURRICULUM, *ELEMENTARY SCHOOL MATHEMATICS, *MATHEMATICS, *MECHANICAL
 TEACHING AIDS, ACHIEVEMENT, ARITHMETIC, GRADE 4, INSTRUCTIONAL MATERIALS,
 GRADUATE SCHOOL OF EDUCATION, UNIVERSITY OF CHICAGO

40. SE 004 939 3 02 09 17
 KLEIN, GEORGE
 INVESTIGATIONS ON THE FEASIBILITY OF SOME EXTENSIONS OF SCHOOL ARITHMETIC
 UNIVERSITY OF CHICAGO
 EDRS
 ED 024 572 MF \$0.25 HC \$1.00
 05 00 68 18
 *ARITHMETIC, *CURRICULUM, *ELEMENTARY SCHOOL MATHEMATICS, *INSTRUCTION,
 FRACTIONS, MATHEMATICS, RESEARCH REPORTS, UNIVERSITY OF CHICAGO, CHICAGO,
 ILLINOIS, 1968
41. SE 005 951 1 02 95 31
 LANDIN, EVERETT A.; PINNIE, ANTHONY F.
 CURRICULUM DESCRIPTION PROCEDURES MANUAL
 PENNSYLVANIA STATE DEPARTMENT OF PUBLIC INSTRUCTION, HARRISBURG
 02 00 68 30
 *CURRICULUM, *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL MATHEMATICS,
 *GUIDELINES, *MATHEMATICS, *PROGRAM DEVELOPMENT, INSTRUCTION, PRIMES
 (PENNSYLVANIA RETRIEVAL OF INFORMATION FOR MATHEMATICS EDUCATION SYSTEM),
 DEPARTMENT OF PUBLIC INSTRUCTION, 1968
42. SE 004 952 3 02 09 22
 LEIDERMAN, GLORIA F.; AND OTHERS
 SCHOOL MATHEMATICS STUDY GROUP REPORT NO. 2, THE SPECIAL CURRICULUM
 PROJECT: PILOT PROGRAM ON MATHEMATICS LEARNING OF CULTURALLY DISADVANTAGED
 PRIMARY SCHOOL CHILDREN
 STANFORD UNIVERSITY, CALIFORNIA, SCHOOL MATHEMATICS STUDY GROUP
 EDRS
 ED 021 758 MF \$0.75 HC \$7.00
 66 138
 *CURRICULUM DEVELOPMENT, *CULTURALLY DISADVANTAGED, *ELEMENTARY SCHOOL
 MATHEMATICS, *MATHEMATICS, COMPARATIVE ANALYSIS, CURRICULUM, GRADE 1,
 INSTRUCTION, RESEARCH REPORTS, SCHOOL MATHEMATICS STUDY GROUP, NATIONAL
 SCIENCE FOUNDATION, 1966
43. SE 005 981 1 02 09 31
 LINKHART, BENNIE ROBERT
 CURRENT PATTERNS IN SELECTED ADVANCED PLACEMENT MATHEMATICS PROGRAMS
 WITHIN THE STATE OF ARIZONA
 UNIVERSITY OF ARIZONA
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 68 171
 *ADVANCED PLACEMENT PROGRAMS, *CALCULUS, *CURRICULUM, *MATHEMATICS,
 *SECONDARY SCHOOL MATHEMATICS, ARIZONA

44. SE 005 521 1 02 09 17
 MAERICH, SISTER M. ANTOINE
 PLANS FOR THE IMPLEMENTATION OF THE ENRICHMENT OF NINTH AND TENTH GRADE
 MATHEMATICS IN CATHEDRAL HIGH SCHOOL, ST. CLOUD, MINNESOTA
 DAYTON UNIVERSITY, OHIO, SCHOOL OF EDUCATION
 08 00 63 2
 *CURRICULUM DEVELOPMENT, *INSTRUCTION, *MATHEMATICS, *PROGRAM IMPROVEMENT,
 *SECONDARY SCHOOL MATHEMATICS, ALGEBRA, CHEMISTRY, CURRICULUM, GRADE 9,
 GRADE 10, PHYSICS, ST. CLOUD, MINNESOTA
45. SE 005 504 1 03 09 22
 MARTIN, SISTER JOAN MARIE
 A MATHEMATICS PROGRAM FOR UNDERACHIEVERS AT NAZARETH ACADEMY, LA GRANGE
 PARK, ILLINOIS
 DAYTON UNIVERSITY, OHIO, SCHOOL OF EDUCATION
 07 00 67 2
 *CURRICULUM, *CURRICULUM DEVELOPMENT, *EDUCATIONAL PLANNING, *MATHEMATICS,
 *SECONDARY SCHOOL MATHEMATICS, *UNDERACHIEVERS, GRADE 9, GRADE 10,
 INSTRUCTION, OBJECTIVES, NAZARETH ACADEMY, LA GRANGE PARK, ILLINOIS
46. SE 004 569 3 02 09 15
 MARYLAND STATE DEPARTMENT OF EDUCATION
 HANDBOOK FOR GENERAL MATHEMATICS
 MARYLAND STATE DEPARTMENT OF EDUCATION, BALTIMORE
 EDRS
 ED 021 734 MF \$0.75 HC \$7.45
 66 147
 *COURSE CONTENT, *CURRICULUM, *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS,
 *TEACHING GUIDES, ARITHMETIC, ALGEBRA, GEOMETRY, INSTRUCTIONAL MATERIALS,
 NONCOLLEGE PREPARATORY STUDENTS
47. SE 004 129 3 02 09 29
 MENDELSON, MELVIN
 MATHEMATICS EDUCATION PROGRAMS FUNDED UNDER TITLE I, ELEMENTARY AND
 SECONDARY EDUCATION ACT OF 1965
 NEW YORK STATE DEPARTMENT OF EDUCATION, ALBANY
 EDRS
 ED 017 459 MF \$0.25 HC \$2.70
 68 52
 *CURRICULUM DEVELOPMENT, *CURRICULUM, *EDUCATIONALLY DISADVANTAGED,
 *EDUCATIONAL PROGRAMS, *FEDERAL AID, *MATHEMATICS, *MATHEMATICS EDUCATION,
 *PROGRAM DESCRIPTIONS, *SECONDARY SCHOOL MATHEMATICS, *INSTRUCTION,
 ELEMENTARY SCHOOL MATHEMATICS, SMALL GROUP INSTRUCTION, TITLE I, ELEMENTARY
 AND SECONDARY EDUCATION ACT, NEW YORK

48. SE 004 465 1 02 09 16
 MICHIGAN STATE DEPARTMENT OF EDUCATION
 MATHEMATICS FOR THE COLLEGE BOUND
 MICHIGAN STATE DEPARTMENT OF EDUCATION, LANSING
 64 14
 *COLLEGE BOUND STUDENTS, *CURRICULUM, *COLLEGE MATHEMATICS, *GUIDELINES,
 *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS, ADVANCED PLACEMENT PROGRAMS,
 GRADE 12
49. SE 004 864 3 02 09 17
 MORAY, JOSEPH
 EFFECTS OF CURRICULUM REFORM ON MATHEMATICS ACHIEVEMENT IN GRADE SIX
 UNIVERSITY OF CALIFORNIA, BERKELEY
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 ED 025 410 NOT AVAILABLE FROM EDRS
 67 161
 *ACADEMIC ACHIEVEMENT, *ARITHMETIC, *CURRICULUM, *ELEMENTARY SCHOOL
 MATHEMATICS, *MATHEMATICS, ACHIEVEMENT, COMPARATIVE ANALYSIS, GRADE 6,
 INSTRUCTION, CALIFORNIA ARITHMETIC TEST, THE ELEMENTARY MATHEMATICS
 CONCEPT TEST
50. SE 004 568 3 02 09 15
 MCCOMB, PATRICIA
 APPLIED MATHEMATICS, SECONDARY SCHOOL GRADES 10-12
 MINNESOTA STATE DEPARTMENT OF EDUCATION, ST. PAUL
 EDRS
 ED 021 733 MF \$0.50 HC \$5.85
 64 115
 *CURRICULUM, *CURRICULUM GUIDES, *MATHEMATICS, *MATHEMATICAL APPLICATIONS,
 COMPUTERS, EDUCATIONAL OBJECTIVES, COURSE CONTENT, INSTRUCTION, SECONDARY
 SCHOOL MATHEMATICS
51. SE 005 673 1 03 09 31
 MCCOY, M. ELEANOR
 A SECONDARY SCHOOL MATHEMATICS PROGRAM
 THE NASSP BULLETIN
 05 00 59 7
 *ALGEBRA, *CURRICULUM, *CURRICULUM DEVELOPMENT, *MATHEMATICS, *SECONDARY
 SCHOOL MATHEMATICS, COURSE CONTENT, GRADE 9, UNIVERSITY OF ILLINOIS
 COMMITTEE ON SCHOOL MATHEMATICS, 1959

52. SE 005 409 3 02 09 16
 NEW YORK CITY DEPARTMENT OF EDUCATION
 MATHEMATICS, GRADE 5 PART 2
 NEW YORK CITY BOARD OF EDUCATION, BROOKLYN
 EDRS, NEW YORK DEPT. OF EDUC., 110 LIVINGSTON STREET, BROOKLYN, NEW YORK
 ED 023 600 MF \$0.50 HARD COPY NOT AVAILABLE
 66 70
 *ARITHMETIC, *CURRICULUM, *ELEMENTARY SCHOOL MATHEMATICS, *MATHEMATICS,
 *TEACHING GUIDES, ALGEBRA, COURSE CONTENT, FRACTIONS, GRADE 5, GEOMETRY,
 INSTRUCTION, LEARNING ACTIVITIES, MATHEMATICAL CONCEPTS, NUMBER CONCEPTS
53. SE 005 412 3 02 09 16
 NEW YORK CITY DEPARTMENT OF EDUCATION
 MATHEMATICS, SEVENTH YEAR, PART 2
 NEW YORK CITY BOARD OF EDUCATION, BROOKLYN
 EDRS, NEW YORK DEPT. OF EDUC., 110 LIVINGSTON STREET, BROOKLYN, NEW YORK
 ED 023 601 MF \$1.00 HARD COPY NOT AVAILABLE
 67 261
 *ARITHMETIC, *CURRICULUM, *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS,
 *TEACHING GUIDES, ALGEBRA, COURSE CONTENT, GEOMETRY, GRADE 7, INSTRUCTION,
 LEARNING ACTIVITIES, MATHEMATICAL CONCEPTS, NUMBER CONCEPTS
54. SE 005 408 3 02 09 16
 NEW YORK CITY DEPARTMENT OF EDUCATION
 MATHEMATICS, EIGHTH YEAR, PART I
 NEW YORK CITY BOARD OF EDUCATION, BROOKLYN
 EDRS, NEW YORK DEPT. OF EDUC., 110 LIVINGSTON STREET, BROOKLYN, NEW YORK
 ED 023 599 MF \$0.75 HARD COPY NOT AVAILABLE
 68 159
 *ARITHMETIC, *INSTRUCTION, *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS,
 *TEACHING GUIDES, ALGEBRA, COURSE CONTENT, CURRICULUM, GEOMETRY, GRADE 8,
 MATHEMATICAL CONCEPTS, NUMBER CONCEPTS
55. SE 004 100 1 02 09 15
 NORTH CAROLINA STATE DEPARTMENT OF PUBLIC INSTRUCTION
 MATHEMATICS CURRICULUM GUIDE - GRADES 7-12
 NORTH CAROLINA STATE DEPARTMENT OF PUBLIC INSTRUCTION, RALEIGH
 05 00 64 48
 *CURRICULUM, *CURRICULUM GUIDES, *COURSE CONTENT, *MATHEMATICS, ARITHMETIC,
 ALGEBRA, LANGUAGE ARTS, SECONDARY SCHOOL MATHEMATICS, NORTH CAROLINA
 STATE DEPARTMENT OF PUBLIC INSTRUCTION

56. SE 005 711 1 02 09 16
 PITTSYLVANIA COUNTY SCHOOLS
 MATH - A SUGGESTED PROGRAM OF ACTION, GRADES 7-8
 PITTSYLVANIA COUNTY SCHOOL BOARD, CHATHAM, VIRGINIA
 J8 00 68 23
 *CURRICULUM, *CURRICULUM GUIDES, *COURSE CONTENT, *MATHEMATICS, *SECONDARY
 SCHOOL MATHEMATICS, EDUCATIONAL OBJECTIVES, GRADE 7, GRADE 8, TEACHING
 TECHNIQUES, CHATHAM, VIRGINIA, 1968
57. SE 004 743 3 02 09 32
 POWNALL, MALCOLM W.; AND OTHERS
 COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS NEWSLETTER
 COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS, BERKELEY, CALIFORNIA
 EDRS, CUPM, P. O. BOX 1024, BERKELEY, CALIFORNIA
 ED 023 579 MF \$0.25 HC \$0.70
 05 00 68 12
 *CURRICULUM DEVELOPMENT, *COLLEGE MATHEMATICS, *MATHEMATICS EDUCATION,
 *TEACHER EDUCATION, *UNDERGRADUATE STUDY, EDUCATIONAL PLANNING, PROFESSIONAL
 ASSOCIATIONS, MATHEMATICAL ASSOCIATION OF AMERICA, NATIONAL SCIENCE
 FOUNDATION
58. SE 004 909 3 03 09 17
 QUILLING, MARY; AND OTHERS
 RESEARCH AND DEVELOPMENT ACTIVITIES IN R & I UNITS OF TWO ELEMENTARY
 SCHOOLS OF MILWAUKEE, WISCONSIN 1966-1967
 UNIVERSITY OF WISCONSIN, MADISON, RESEARCH AND DEVELOPMENT CENTER
 EDRS
 ED 020 911 MF \$0.25 HC \$1.25
 03 00 68 23
 *CONCEPT FORMATION, *ELEMENTARY EDUCATION, *INSTRUCTION, *MATHEMATICS,
 *TEACHING METHODS, ARITHMETIC, EDUCATIONAL PROGRAMS, INDIVIDUAL INSTRUCTION,
 RESEARCH AND DEVELOPMENT CENTERS, SCIENTIFIC CONCEPTS, COGNITIVE DEVELOP-
 MENT, CLOSED CIRCUIT TELEVISION, GRADE 1, GRADE 4, GRADE 5, GRADE 6,
 LEARNING, TEACHING PROCEDURES, RESEARCH REPORTS, WISCONSIN RESEARCH AND
 DEVELOPMENT CENTER, COOPERATIVE PRIMARY TEST IN MATHEMATICS
59. SE 004 497 3 02 09 20
 RESNICK, LAUREN B.
 DESIGN OF AN EARLY LEARNING CURRICULUM
 UNIVERSITY OF PITTSBURGH, PENNSYLVANIA, LEARNING RESEARCH AND DEVELOPMENT
 CENTER
 EDRS
 ED G18 393 MF \$0.50 HC \$3.45
 12 00 67 67
 *CURRICULUM, *CURRICULUM DEVELOPMENT, *ELEMENTARY EDUCATION, *ELEMENTARY
 SCHOOL MATHEMATICS, *LEARNING, *MATHEMATICS, INTELLECTUAL DEVELOPMENT,
 PITTSBURGH, LEARNING RESEARCH AND DEVELOPMENT CENTER, UNIVERSITY OF
 PITTSBURGH, PENNSYLVANIA

60. SE 004 631 3 02 09 17
 RYAN, JAMES J.
 EFFECTS OF MODERN AND CONVENTIONAL MATHEMATICS CURRICULA ON PUPIL ATTITUDES,
 INTERESTS, AND PERCEPTION OF PROFICIENCY
 MINNESOTA STATE DEPARTMENT OF EDUCATION, ST. PAUL
 EDRS
 ED 022 673 MF \$0.75 HC \$8.55
 01 00 68 169
 *ACHIEVEMENT, *CURRICULUM, *CURRICULUM DEVELOPMENT, *MATHEMATICS,
 *SECONDARY SCHOOL MATHEMATICS, COMPARATIVE ANALYSIS, GRADE 9, STUDENT
 ATTITUDES, STUDENT INTERESTS, BALL STATE MATHEMATICS PROGRAM, SCHOOL
 MATHEMATICS STUDY GROUP
61. SE 004 961 1 02 09 32
 SCHOOL MATHEMATICS STUDY GROUP
 SMSG NEWSLETTER NO. 17, PANEL ON SUPPLEMENTARY PUBLICATIONS
 SCHOOL MATHEMATICS STUDY GROUP, STANFORD UNIVERSITY, CALIFORNIA
 03 00 64 47
 *ANNOTATED BIBLIOGRAPHIES, *CURRICULUM DEVELOPMENT, *INSTRUCTIONAL
 MATERIALS, *MATHEMATICS, *PUBLICATIONS, *TEXTBOOKS, ALGEBRA, GEOMETRY,
 NEWSLETTERS, SCHOOL MATHEMATICS STUDY GROUP, 1964
62. SE 004 957 1 02 09 32
 SCHOOL MATHEMATICS STUDY GROUP
 SMSG NEWSLETTER NO. 24
 SCHOOL MATHEMATICS STUDY GROUP, STANFORD UNIVERSITY, CALIFORNIA
 10 00 66 29
 *CURRICULUM, *ELEMENTARY SCHOOL MATHEMATICS, *INSTRUCTIONAL MATERIALS,
 *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS, ALGEBRA, CULTURALLY DIS-
 ADVANTAGED, GEOMETRY, PROGRAMED LEARNING, SCHOOL MATHEMATICS STUDY GROUP,
 1966
63. SE 004 955 1 02 09 32
 SCHOOL MATHEMATICS STUDY GROUP
 SMSG NEWSLETTER NO. 28, ARTICULATION OF CONTENT OF SMSG TEXTS GRADES
 1-3 AND GRADE 4
 SCHOOL MATHEMATICS STUDY GROUP, STANFORD UNIVERSITY, CALIFORNIA
 01 00 68 13
 *ARITHMETIC, *COURSE CONTENT, *CURRICULUM, *ELEMENTARY SCHOOL MATHEMATICS,
 *INSTRUCTIONAL MATERIALS, GRADE 4, GUIDELINES, INSTRUCTION, MATHEMATICS,
 NEWSLETTERS, TEXTBOOK CONTENT, SCHOOL MATHEMATICS STUDY GROUP

64. SE 005 512 1 02 09 17
 SILER, SISTER PHILIP
 A STUDY OF THE COMPARATIVE VALUE OF THE TRADITIONAL APPROACH AND THE
 MODERN APPROACH IN ESTABLISHING COMPREHENSION OF MATHEMATICAL CONCEPTS
 AT THE SIXTH GRADE LEVEL
 DAYTON UNIVERSITY, OHIO, SCHOOL OF EDUCATION
 08 00 66 2
 *CONCEPT FORMATION, *ELEMENTARY SCHOOL MATHEMATICS, *INSTRUCTION,
 *MATHEMATICS, *TEACHING PROCEDURES, ARITHMETIC, ACADEMIC PERFORMANCE,
 ACHIEVEMENT, COMPARATIVE ANALYSIS, GRADE 6, MATHEMATICAL CONCEPTS, MODERN
 MATHEMATICS, RESEARCH REPORTS, STUDENT ATTITUDES, TEACHING
65. SE 005 640 3 02 09 17
 STEFFE, LESLIE P.; PARR, ROBERT B.
 THE DEVELOPMENT OF THE CONCEPTS OF RATIO AND FRACTION IN THE FOURTH,
 FIFTH, AND SIXTH YEARS OF THE ELEMENTARY SCHOOL
 UNIVERSITY OF WISCONSIN, MADISON, RESEARCH AND DEVELOPMENT CENTER
 EDRS
 ED 023 612 MF \$0.25 HC \$2.70
 03 00 68 52
 *ARITHMETIC, *CONCEPT FORMATION, *COGNITIVE DEVELOPMENT, *ELEMENTARY
 SCHOOL MATHEMATICS, *NUMBER CONCEPTS, GRADE 4, GRADE 5, GRADE 6,
 MATHEMATICAL CONCEPTS, RESEARCH REPORTS, MATHEMATICS CONCEPT LEARNING
 PROJECT, CENTER FOR COGNITIVE LEARNING, MADISON, WISCONSIN, 1968
66. SE 004 170 2 02 09 17
 SUPPES, PATRICK
 ACCELERATED PROGRAM IN ELEMENTARY SCHOOL MATHEMATICS - THE SECOND YEAR
 PSYCHOLOGY IN THE SCHOOLS
 10 00 66 14
 *CURRICULUM, *ELEMENTARY SCHOOL MATHEMATICS, *MATHEMATICS, ARITHMETIC,
 COURSE CONTENT, GRADE 2, GEOMETRY, PROGRAM DESCRIPTIONS, RESEARCH REPORTS,
 INSTITUTE FOR MATHEMATICAL STUDIES IN THE SOCIAL SCIENCES, STANFORD
 UNIVERSITY, CALIFORNIA, 1964
67. SE 005 198 3 03 09 22
 SUPPES, PATRICK
 ACCELERATED PROGRAM IN ELEMENTARY-SCHOOL MATHEMATICS, THE SECOND YEAR
 SEPTEMBER 1, 1964 TO AUGUST 31, 1965
 STANFORD UNIVERSITY, CALIFORNIA, INSTITUTE FOR MATHEMATICAL STUDIES
 EDRS
 ED 022 706 MF \$0.25 H \$1.40
 11 00 65 26
 *ACCELERATED PROGRAMS, *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL
 MATHEMATICS, COMPUTER ORIENTED PROGRAMS, COURSE DESCRIPTIONS, CURRICULUM,
 MATHEMATICS, PROGRAM DESCRIPTIONS, STANFORD UNIVERSITY, STANFORD, CALIFORNIA

68. SE 095 202 1 03 09 29
 SUPPES, PATRICK
 THE COMPUTER AND EXCELLENCE
 SATURDAY REVIEW
 01 14 67 3
 *COMPUTER ASSISTED INSTRUCTION, *COMPUTERS, *ELEMENTARY SCHOOL MATHEMATICS,
 *INSTRUCTION, *MATHEMATICS, *PROGRAM DESCRIPTIONS, ARITHMETIC, CURRICULUM,
 GEOMETRY, MATHEMATICAL LOGIC, PROBLEM SOLVING
69. SE 004 179 3 03 09 22
 SUPPES, PATRICK
 STANFORD PROGRAM IN COMPUTER-ASSISTED INSTRUCTION, PROGRESS REPORT NUMBER 6
 STANFORD UNIVERSITY, CALIFORNIA, INSTITUTE FOR MATHEMATICAL STUDIES
 EDRS
 ED 016 632 MF \$0.25 HC \$1.30
 67 24
 *COMPUTER ASSISTED INSTRUCTION, *ELEMENTARY SCHOOL MATHEMATICS, *MATH-
 EMATICS, *READING, *SLAVIC LANGUAGES, ALGEBRA, COMPUTERS, EVALUATION,
 LANGUAGES, STANFORD UNIVERSITY, STANFORD, CALIFORNIA
70. SE 004 180 3 03 02 22
 SUPPES, PATRICK
 STANFORD PROGRAM IN COMPUTER-ASSISTED INSTRUCTION, PROGRESS REPORT NUMBER 7
 STANFORD UNIVERSITY, CALIFORNIA, INSTITUTE FOR MATHEMATICAL STUDIES
 EDRS
 ED 016 633 MF \$0.25 HC \$2.30
 67 44
 *ELEMENTARY SCHOOL MATHEMATICS, *MATHEMATICS, *READING, *SLAVIC LANGUAGES,
 COMPUTERS, COMPUTER ASSISTED INSTRUCTION, EVALUATION, LANGUAGES, STANFORD
 UNIVERSITY, STANFORD, CALIFORNIA
71. SE 005 214 1 02 09 20
 SUPPES, PATRICK
 TOMORROW'S EDUCATION - COMPUTER-BASED INSTRUCTION IN THE ELEMENTARY SCHOOL
 EDUCATION AGE
 66 8
 *CURRICULUM, *COMPUTER ASSISTED INSTRUCTION, *ELEMENTARY SCHOOL MATHEMATICS,
 *INSTRUCTION, *MATHEMATICS, CURRICULUM DEVELOPMENT, INDIVIDUAL INSTRUCTION,
 LEARNING
72. SE 005 221 1 02 09 20
 SUPPES, PATRICK
 THE USES OF COMPUTERS IN EDUCATION
 SCIENTIFIC AMERICAN
 09 00 66 13
 *CURRICULUM DEVELOPMENT, *COMPUTERS, *COMPUTER ASSISTED INSTRUCTION,
 *INSTRUCTION, *LEARNING, ARITHMETIC, EDUCATIONAL PROBLEMS, MATHEMATICS

73. SE 004 169 2 02 09 17
 SUPPES, PATRICK; IHRKE, CONSTANCE
 ACCELERATED PROGRAMS IN ELEMENTARY SCHOOL MATHEMATICS - THE THIRD YEAR
 PSYCHOLOGY IN THE SCHOOLS
 10 00 67 16
 *CURRICULUM, *GEOMETRY, *MATHEMATICS, ABLE STUDENTS, ARITHMETIC, ELEMENTARY
 SCHOOL MATHEMATICS, GRADE 3, PROGRAM DESCRIPTIONS, RESEARCH REPORTS, 1965,
 CALIFORNIA, INSTITUTE FOR MATHEMATICAL STUDIES IN THE SOCIAL SCIENCES
74. SE 005 208 1 02 09 20
 SUPPES, PATRICK; AND OTHERS
 ARITHMETIC DRILLS AND REVIEW ON A COMPUTER-BASED TELETYPE
 THE ARITHMETIC TEACHER
 04 00 66 7
 *ARITHMETIC, *COMPUTER ASSISTED INSTRUCTION, *CURRICULUM DEVELOPMENT,
 *ELEMENTARY SCHOOL MATHEMATICS, *PROGRAMED INSTRUCTION, CURRICULUM,
 INSTRUCTION, MATHEMATICS, NATIONAL SCIENCE FOUNDATION, CARNEGIE CORPORATION
75. SE 005 676 1 02 09 31
 SZABO, STEVEN
 CURRENT ACTIVITIES OF UICSM
 JOURNAL OF RESEARCH IN SCIENCE TEACHING
 64 7
 *CURRICULUM, *CURRICULUM DEVELOPMENT, *MATHEMATICS, *SECONDARY SCHOOL
 MATHEMATICS, ALGEBRA, ARITHMETIC, GEOMETRY, GEOMETRIC CONCEPTS, INSTRU-
 CTION, INSTRUCTIONAL FILMS, UNIVERSITY OF ILLINOIS COMMITTEE ON SCHOOL
 MATHEMATICS, 1964
76. SE 003 815 3 02 09 29
 VANDERLIN, CARL J., JR.
 A REVIEW OF NEW MATHEMATICS CURRICULUM MATERIALS
 WISCONSIN STATE DEPARTMENT OF PUBLIC INSTRUCTION, MADISON
 EDRS
 ED 022 665 MF \$0.25 HC \$1.50
 66 28
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL MATHEMATICS, *COLLEGE MATH-
 EMATICS, *SECONDARY SCHOOL MATHEMATICS, CURRICULUM, MATHEMATICS, PROGRAM
 DESCRIPTIONS, DEPARTMENT OF PUBLIC INSTRUCTION, WISCONSIN

77. SE 095 100 3 02 09 22
 WILLIAMS, J. D.
 MATHEMATICS REFORM IN THE PRIMARY SCHOOL. A REPORT OF A MEETING OF
 EXPERTS HELD IN HAMBURG DURING JANUARY, 1966
 UNITED NATIONS EDUCATIONAL SCIENTIFIC AND CULTURAL ORGANIZATION, HAMBURG,
 WEST GERMANY
 UNESCO PUBLICATIONS CENTER, 317 EAST 34 STREET, NEW YORK, NEW YORK
 ED 023 589 NOT AVAILABLE FROM EDRS
 67 130
 *CURRICULUM, *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL MATHEMATICS,
 *INTERNATIONAL EDUCATION, EVALUATION, INSTRUCTION, LEARNING, MATHEMATICS,
 MATHEMATICAL CONCEPTS, NUMBER CONCEPTS, OBJECTIVES, TEACHING METHODS,
 CONFERENCE REPORTS, UNITED NATIONS EDUCATIONAL SCIENTIFIC AND CULTURAL
 ORGANIZATION, THE UNESCO INSTITUTE FOR EDUCATION, 1967
78. SE 004 101 3 02 09 16
 WINGET, LERUE
 CONSUMER MATHEMATICS GUIDE, TENTATIVE
 UTAH STATE BOARD OF EDUCATION, SALT LAKE CITY
 EDRS
 ED 018 367 MF \$0.50 HC \$6.35
 66 125
 *BUSINESS EDUCATION, *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS, *TEACHING
 GUIDES, ARITHMETIC, ALGEBRA, GEOMETRY, GENERAL EDUCATION, INDUSTRIAL ARTS,
 UTAH STATE BOARD OF EDUCATION, SALT LAKE CITY, UTAH
79. SE 605 590 1 02 95 31
 ZIAUKAS, FRANK
 CURRICULUM DEVELOPMENT MATERIALS SELECTION PROCEDURES
 PENNSYLVANIA STATE DEPARTMENT OF PUBLIC INSTRUCTION, HARRISBURG
 12 00 67 24
 *CURRICULUM, *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL MATHEMATICS,
 *GUIDELINES, *MATHEMATICS, *MATERIAL DEVELOPMENT, *PROGRAM DEVELOPMENT,
 INSTRUCTION, SEQUENTIAL PROGRAMS, PRIMES (PENNSYLVANIA RETRIEVAL OF
 INFORMATION FOR MATHEMATICS EDUCATION SYSTEM) REGIONAL CENTER, GREENSBURG,
 PENNSYLVANIA
80. SE 004 852 2 02 09 22
 ZUR, MORDEHAI
 IMPLICATIONS OF THE RECENT MATHEMATICS REFORM FOR GRADES 7-9 IN THE
 UNITED STATES FOR THE ISRAELI ELEMENTARY AND SECONDARY SCHOOLS
 COLUMBIA UNIVERSITY
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 66 249
 *CURRICULUM PLANNING, *ELEMENTARY SCHOOL MATHEMATICS, *INTERNATIONAL
 EDUCATION, *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS, CURRICULUM,
 CURRICULUM DEVELOPMENT, INSTRUCTION, ISRAEL

81. SE 005 875 2 02 09 22
 CENTRAL IOWA LOW ACHIEVER MATHEMATICS PROJECT - LOST IN SPACE, HOW IT
 MIGHT HAVE BEEN, GIMMICKS, AND TANAGRAMS
 CENTRAL IOWA LOW ACHIEVER MATHEMATICS PROJECT, DES MOINES
 500
 *LOW ACHIEVERS, *MATHEMATICS, *MATHEMATICAL CONCEPTS, ARITHMETIC, GRADE 7,
 GRADE 8, GRADE 9, INSTRUCTION, INSTRUCTIONAL MATERIALS, SECONDARY SCHOOL
 MATHEMATICS
82. SE 004 977 3 02 09 17
 CURRICULUM AND TEACHING OF MATHEMATICS IN THE HIGHER SECONDARY SCHOOLS -
 AN ANALYSIS OF SYLLABUSES
 NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING, NIE CAMPUS,
 NEW DELHI, INDIA
 EDRS
 ED 023 584 MF \$1.00 HC \$13.20
 262
 *CURRICULUM, *ELEMENTARY SCHOOL MATHEMATICS, *INSTRUCTION, *MATHEMATICS,
 *SECONDARY SCHOOL MATHEMATICS, CURRICULUM DEVELOPMENT, INSTRUCTIONAL
 MATERIALS, LEARNING, OBJECTIVES, SURVEYS, TEXTBOOKS, INDIA
83. SE 004 976 3 02 09 22
 CURRICULUM AND TEACHING OF MATHEMATICS IN THE HIGHER SECONDARY SCHOOLS,
 CURRICULUM GUIDE
 NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING, NIE CAMPUS,
 NEW DELHI, INDIA
 EDRS
 ED 021 762 MF \$1.75 HC \$21.40
 426
 *CURRICULUM, *SECONDARY SCHOOL MATHEMATICS, *COURSE CONTENT, *CURRICULUM
 GUIDES, *MATHEMATICS, CURRICULUM DEVELOPMENT, INSTRUCTION, INDIVIDUAL
 DIFFERENCES, OBJECTIVES, TEACHING TECHNIQUES, NEW DELHI, INDIA
84. SE 004 978 3 02 09 22
 CURRICULUM AND TEACHING OF MATHEMATICS IN THE HIGHER SECONDARY SCHOOLS,
 REPORT OF THE PROJECT
 NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING, NIE CAMPUS,
 NEW DELHI, INDIA
 EDRS
 ED 021 763 MF \$1.00 HC \$11.90
 236
 *CURRICULUM, *COURSE OBJECTIVES, *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS,
 ARITHMETIC, ALGEBRA, CURRICULUM DEVELOPMENT, EVALUATION, GEOMETRY,
 INSTRUCTIONAL MATERIALS, TEACHING PROCEDURES, INDIA, NEW DELHI

85. SE 005 203 1 02 09 29
 A DESCRIPTION OF THE (GCMP) GREATER CLEVELAND MATHEMATICS PROJECT
 EDUCATIONAL RESEARCH COUNCIL OF AMERICA, CLEVELAND, OHIO
 06 06 68 3
 *CURRICULUM, *ELEMENTARY SCHOOL MATHEMATICS, *EDUCATIONAL PROGRAMS,
 *MATHEMATICS, *PROGRAM DESCRIPTIONS, *SECONDARY SCHOOL MATHEMATICS,
 SEQUENTIAL PROGRAMS, GREATER CLEVELAND MATHEMATICS PROJECT
86. SE 005 315 1 02 09 29
 GENERAL INFORMATION - THE UNIVERSITY OF ILLINOIS ARITHMETIC PROJECT
 EDUCATION DEVELOPMENT CENTER, WATERTOWN, MASSACHUSETTS
 11 00 67 3
 *ARITHMETIC, *CURRICULUM, *ELEMENTARY SCHOOL MATHEMATICS, *INSERVICE
 COURSES, CURRICULUM DEVELOPMENT, INSERVICE TEACHER EDUCATION, MATHEMATICS,
 NUMBER CONCEPTS, PROGRAM DESCRIPTIONS, UNIVERSITY OF ILLINOIS ARITHMETIC
 PROJECT
87. SE 005 557 1 02 09 29
 GREATER CLEVELAND MATHEMATICS PROGRAM
 EDUCATIONAL RESEARCH COUNCIL OF AMERICA, CLEVELAND, OHIO
 66 15
 *ELEMENTARY SCHOOL MATHEMATICS, *MATHEMATICS, *PROGRAM DESCRIPTIONS,
 *SECONDARY SCHOOL MATHEMATICS, *SEQUENTIAL PROGRAMS, ALGEBRA, GEOMETRY,
 OBJECTIVES
88. SE 005 556 1 02 09 32
 GREATER CLEVELAND MATHEMATICS PROGRAM PRE-ALGEBRA
 EDUCATIONAL RESEARCH COUNCIL OF AMERICA, CLEVELAND, OHIO
 68 13
 *ALGEBRA, *CURRICULUM, *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS,
 GEOMETRY, GRADE 7, GRADE 8, GRADE 9, SEQUENTIAL PROGRAMS, TRIGONOMETRY,
 GREATER CLEVELAND MATHEMATICS PROGRAM
89. SE 005 387 1 02 09 29
 HAVE YOU DONE YOUR HOMEWORK - A PRIMER FOR PARENTS
 EDUCATIONAL RESEARCH COUNCIL OF AMERICA, CLEVELAND, OHIO
 65 25
 *COMMUNITY INVOLVEMENT, *CURRICULUM, *ELEMENTARY SCHOOL MATHEMATICS,
 *MATHEMATICS, *PROGRAM DESCRIPTIONS, EDUCATIONAL PROGRAMS, EDUCATIONAL
 PROBLEMS, MATHEMATICAL CONCEPTS, PARENTS, GREATER CLEVELAND MATHEMATICS
 PROJECT
90. SE 004 834 1 03 09 22
 PATTERNS
 NATIONAL CENTER FOR SCHOOL AND COLLEGE TELEVISION
 4
 *ARITHMETIC, *COURSE CONTENT, *ELEMENTARY SCHOOL MATHEMATICS, *INSTRUCTIONAL
 TELEVISION, *MATHEMATICS, CURRICULUM DEVELOPMENT, FUNDAMENTAL CONCEPTS,
 GRADE 5, GRADE 6, GRADE 7, TELEVISION, *TELECOURSES, VIDEO TAPE RECORDINGS

91. SE 004 835 1 02 09 22
 PATTERNS IN ARITHMETIC
 NATIONAL CENTER FOR SCHOOL AND COLLEGE TELEVISION, BLOOMINGTON, INDIANA
 8
 *ARITHMETIC, *COURSE CONTENT, *ELEMENTARY SCHOOL MATHEMATICS, *INSTRUCTIONAL
 TELEVISION, *MATHEMATICS, CURRICULUM DEVELOPMENT, FUNDAMENTAL CONCEPTS,
 *GEOMETRY, TELEVISION, TELECOURSES, VIDEO TAPE RECORDINGS
92. SE 005 083 3 02 09 66
 PREGRADUATE PREPARATION OF RESEARCH MATHEMATICIANS
 COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS, BERKELEY, CALIFORNIA
 EDRS
 ED 022 696 MF \$0.50 HC \$5.00
 05 00 63 98
 *CURRICULUM PLANNING, *COLLEGE MATHEMATICS, ALGEBRA, COURSE DESCRIPTIONS,
 CURRICULUM DEVELOPMENT, GEOMETRY, GRADUATE STUDY, HIGHER EDUCATION,
 MATHEMATICS, PHYSICS, RESEARCH, UNDERGRADUATE STUDY, COMMITTEE ON THE
 UNDERGRADUATE PROGRAM IN MATHEMATICS, NATIONAL SCIENCE FOUNDATION
93. SE 005 090 1 03 09 37
 RECOMMENDATIONS ON THE UNDERGRADUATE MATHEMATICS PROGRAM FOR WORK IN
 COMPUTING
 COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS, BERKELEY, CALIFORNIA
 05 00 64 29
 *BIOGRAPHIES, *CONSULTANTS, *MATHEMATICS, *MATHEMATICS EDUCATION, CUR-
 RICULUM, DIRECTORIES, EDUCATIONAL PROGRAMS, COMMITTEE ON THE UNDERGRADUATE
 PROGRAM IN MATHEMATICS, NATIONAL SCIENCE FOUNDATION
94. SE 005 969 2 02 09 22
 SECONDARY SCHOOL MATHEMATICS CURRICULUM IMPROVEMENT STUDY, INFORMATION
 BULLETIN NO. 3
 TEACHERS COLLEGE, COLUMBIA UNIVERSITY, NEW YORK
 10 00 68 19
 *ACHIEVEMENT TESTS, *CURRICULUM DEVELOPMENT, *MATHEMATICS, *SECONDARY
 SCHOOL MATHEMATICS, ACADEMIC ACHIEVEMENT, GRADE 7, GRADE 8, GRADE 9,
 TESTS, SECONDARY SCHOOL MATHEMATICS CURRICULUM IMPROVEMENT STUDY, 1968
95. SE 004 627 3 02 09 22
 TEACHERS EVALUATE PROGRAMMED INSTRUCTION, A SURVEY OF ATTITUDES AND
 PROBLEMS
 CANADIAN TEACHERS' FEDERATION, OTTAWA, ONTARIO
 EDRS
 ED 021 735 MF \$0.50 HC \$3.30
 03 00 66 64
 *CURRICULUM, *EVALUATION, *INSTRUCTION, *PROGRAMMED INSTRUCTION, LEARNING,
 MATHEMATICS, PROGRAM EFFECTIVENESS, RESEARCH, TEACHER EVALUATION

5. SE 004 027 3 02 92 17
 HIGGINS, JON L.
 THE DEVELOPMENT AND EVALUATION OF MATHEMATICS CURRICULUM MATERIALS FOR
 USE IN A JUNIOR HIGH SCHOOL PHYSICAL SCIENCE PROGRAM
 UNIVERSITY OF TEXAS, AUSTIN
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 ED 023 570 NOT AVAILABLE FROM EDRS
 67 195
 *CURRICULUM DEVELOPMENT, *COMPARATIVE ANALYSIS, *MATHEMATICS, *PHYSICAL
 SCIENCES, *TEACHING METHODS, DOCTORAL THESES, GRADE 9, INSTRUCTIONAL
 MATERIALS, SECONDARY SCHOOL SCIENCE, RESEARCH REPORTS, SAN ANTONIO,
 TEXAS, 1967
6. SE 004 735 3 02 85 22
 LOCKARD, J. DAVID
 SIXTH REPORT OF THE INTERNATIONAL CLEARINGHOUSE ON SCIENCE AND MATHEMATICS
 CURRICULAR DEVELOPMENTS, 1968
 UNIVERSITY OF MARYLAND, COLLEGE PARK, SCIENCE TEACHING CENTER
 EDRS
 ED 020 143 MF \$2.00 HC \$24.05
 68 479
 *CURRICULUM DEVELOPMENT, *COLLEGE SCIENCE, *ELEMENTARY SCHOOL SCIENCE,
 *EDUCATIONAL PROGRAMS, *INTERNATIONAL EDUCATION, *MATHEMATICS EDUCATION,
 *SCIENCE EDUCATION, *SECONDARY SCHOOL SCIENCE, ANTHROPOLOGY, BIOLOGY,
 BIBLIOGRAPHIES, CHEMISTRY, EARTH SCIENCE, GENERAL SCIENCE, INSTRUCTIONAL
 MATERIALS, PHYSICS, PHYSICAL SCIENCES, SCIENCE COURSE IMPROVEMENT PROJECT,
 AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE
7. SE 005 060 1 02 85 22
 LOCKARD, J. DAVID
 THIRD PROJECT OF THE INFORMATION CLEARINGHOUSE ON NEW SCIENCE AND
 MATHEMATICS CURRICULA
 AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, WASHINGTON, D.C.
 UNIVERSITY OF MARYLAND, SCIENCE TEACHING CENTER, UNIVERSITY OF MARYLAND
 03 00 65 139
 *CURRICULUM, *ELEMENTARY SCHOOL SCIENCE, *ELEMENTARY SCHOOL MATHEMATICS,
 *MATHEMATICS, *SECONDARY SCHOOL SCIENCE, *SECONDARY SCHOOL MATHEMATICS,
 CURRICULUM DEVELOPMENT, EDUCATIONAL PROGRAMS, PROJECT REPORTS, SCIENCE
 COURSE IMPROVEMENT PROJECT, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF
 SCIENCE, SCIENCE TEACHING CENTER, UNIVERSITY OF MARYLAND, 1965
8. SE 004 831 3 02 09 22
 MILLER, G. H.
 A NATIONAL STUDY OF MATHEMATICS REQUIREMENTS FOR SCIENTISTS AND ENGINEERS.
 FINAL REPORT
 TENNESSEE TECHNOLOGICAL UNIVERSITY, COOKEVILLE
 EDRS
 ED 022 679 MF \$0.25 HC \$1.95
 03 00 68 37
 *COLLEGE SCIENCE, *CURRICULUM, *COLLEGE MATHEMATICS, *MATHEMATICS,
 *SCIENTISTS, BIOLOGY, CHEMISTRY, DEGREE REQUIREMENTS, ENGINEERS, PHYSICS

9. SE 001 661 3 02 95 29
NATIONAL SCIENCE FOUNDATION
COURSE AND CURRICULUM IMPROVEMENT PROJECTS. MATHEMATICS - SCIENCE -
ENGINEERING

NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.

EDRS

GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C.

ED 011 860 MF \$0.18 HC \$6.35

09 00 66 125

*COLLEGE SCIENCE, *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE,
*SCIENCE COURSE IMPROVEMENT PROJECT, *SECONDARY SCHOOL SCIENCE, BIOLOGY,
CHEMISTRY, COLLEGE MATHEMATICS, ENGINEERING, ELEMENTARY SCHOOL MATHEMATICS,
EARTH SCIENCE, PSYCHOLOGY, PHYSICS, SECONDARY SCHOOL MATHEMATICS, SOCIAL
SCIENCE, 1966, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE,
SCIENCE - A PROCESS APPROACH, MINNESOTA MATHEMATICS AND SCIENCE TEACHING
PROJECT, SCIENCE CURRICULUM IMPROVEMENT STUDY, ELEMENTARY SCIENCE STUDY,
SCHOOL SCIENCE CURRICULUM PROJECT (ILLINOIS), ELEMENTARY SCIENCE STUDY
PROJECT, (CALIFORNIA), ELEMENTARY SCIENCE STUDY PROJECT (UTAH), ELEMEN-
TARY SCIENCE STUDY PROJECT (ILLINOIS), SECONDARY SCHOOL SCIENCE PROJECT,
INTRODUCTORY PHYSICAL SCIENCE, EARTH SCIENCE CURRICULUM PROJECT, BIOLOGICAL
SCIENCES CURRICULUM STUDY, CHEMICAL EDUCATION MATERIALS STUDY, CHEMICAL
BOND APPROACH, PHYSICAL SCIENCE STUDY COMMITTEE, HARVARD PROJECT PHYSICS,
PHYSICAL SCIENCE STUDY COMMITTEE (ADVANCED TOPICS), COMMISSION ON UNDER-
GRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES, ADVISORY COUNCIL ON
COLLEGE CHEMISTRY, COMMISSION ON COLLEGE PHYSICS, NATIONAL SCIENCE
FOUNDATION

10. SE 005 560 1 03 09 22

NEVISON, JOHN M.

SECONDARY SCHOOL PROJECT, MID-YEAR REPORT
DARTMOUTH COLLEGE, HANOVER, NEW HAMPSHIRE

68 42

*CURRICULUM, *COMPUTER PROGRAMS, *COMPUTER ASSISTED INSTRUCTION, *MATH-
EMATICS, *PROGRAM DESCRIPTIONS, *SECONDARY SCHOOL MATHEMATICS, ALGEBRA,
ANALYTIC GEOMETRY, CHEMISTRY, COMPUTER, GEOMETRY, INSTRUCTION, PHYSICS,
TEACHING

11. SE 005 822 1 02 91 20

SUBARSKY, ZACHARIAH

CURRICULUM CONSTRUCTION FOR K-6 SCIENCE AND MATH - A STRATEGY
SCIENCE AND CHILDREN

11 00 68 3

*CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION,
*MATHEMATICS, *SEQUENTIAL LEARNING, CLASSIFICATION, MEASUREMENT, SCIENCE
UNITS, MINNESOTA MATHEMATICS AND SCIENCE TEACHING PROJECT

12. SE 005 566 1 03 09 22

WERNITZ, J. H.

MINNEMATH CENTER REPORTS, VOLUME 6, NUMBER 1

MINNESOTA SCHOOL MATHEMATICS AND SCIENCE CENTER, MINNEAPOLIS

68 16

*CURRICULUM DEVELOPMENT, *MATHEMATICS EDUCATION, ATTITUDES, CURRICULUM,
EVALUATION, ELEMENTARY SCHOOL MATHEMATICS, GEOMETRY, SCIENCES, TEXTBOOK
EVALUATION, TEACHING

13. SE 004 239 1 02 95 29
 HAWAII CURRICULUM CENTER BROCHURE
 HAWAII CURRICULUM CENTER, 1625 WEST PLACE, HONOLULU
 66 29
 *CURRICULUM, *CURRICULUM DEVELOPMENT, *PRESERVICE TEACHER EDUCATION,
 *RESEARCH METHODOLOGY, *TEACHER EDUCATION, INSERVICE TEACHER EDUCATION,
 PROGRAM DESCRIPTIONS
14. SE 005 391 1 03 84 37
 IN-SERVICE EDUCATION PROGRAM
 KANAWHA COUNTY SCHOOLS, CHARLESTON, WEST VIRGINIA
 68 43
 *CURRICULUM, *COURSE DESCRIPTIONS, *EDUCATIONAL PROGRAMS, *INSERVICE
 TEACHER EDUCATION, *TEACHER EDUCATION, ELEMENTARY TEACHERS, FOREIGN
 LANGUAGES, HOME ECONOMICS, INDUSTRIAL ARTS, SOCIAL STUDIES, SECONDARY
 TEACHERS, SCIENCES, 1968, KANAWHA COUNTY SCHOOLS, CHARLESTON, WEST
 VIRGINIA, DEPARTMENT OF INSTRUCTION
15. SE 004 188 1 03 95 14
 NSF SUMMER SCIENCE TRAINING PROGRAMS
 SCHOOL SCIENCE AND MATHEMATICS
 02 00 68 5
 *BIOLOGY, *CHEMISTRY, *DIRECTORIES, *EDUCATIONAL PROGRAMS, *EARTH SCIENCE,
 *INTERDISCIPLINARY SCIENCES, *INSTITUTES, *SCIENCE INSTITUTES, *MATHEMATICS,
 *PHYSICS, ANTHROPOLOGY, AGRONOMY, ASTRONOMY, ENGINEERING, ECOLOGY,
 GEOLOGY, HIGH SCHOOL STUDENTS, OCEANOLOGY
16. SE 004 606 3 02 09 29
 PROJECTS TO ADVANCE SCHOOL AND SCHOOL SYSTEM INSTRUCTION IN MATHEMATICS
 AND SCIENCE
 NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
 EDRS
 ED 018 402 MF \$0.25 HC \$1.20
 68 22
 *CURRICULUM, *CURRICULUM DEVELOPMENT, *DIRECTORIES, *ELEMENTARY SCHOOL
 MATHEMATICS, *ELEMENTARY SCHOOL SCIENCE, *FEDERAL AID, *FEDERAL PROGRAMS,
 *FOUNDATION PROGRAMS, *SECONDARY SCHOOL SCIENCE, *SECONDARY SCHOOL
 MATHEMATICS, *SCIENCE COURSE IMPROVEMENT PROJECT, INSTRUCTION, MATHEMATICS,
 TEACHER EDUCATION, COOPERATIVE COLLEGE-SCHOOL SCIENCE PROGRAM, NATIONAL
 SCIENCE FOUNDATION

17. SE 004 914 3 02 95 29
 SCIENCE EDUCATION INFORMATION ANALYSIS CENTER NEWSLETTER
 ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE EDUCATION, COLUMBUS, OHIO
 EDRS
 ED G20 916 MF \$0.25 HC \$0.85
 04 00 68 15
 *CONSERVATION EDUCATION, *DIRECTORIES, *ELEMENTARY SCHOOL SCIENCE, *OUTDOOR
 EDUCATION, *SECONDARY SCHOOL SCIENCE, ART, BIOLOGICAL SCIENCES, CURRICULUM
 DEVELOPMENT, EARTH SCIENCES, EDUCATIONAL PROGRAMS, ECOLOGY, HANDICAPPED
 STUDENTS, LANGUAGE ARTS, MATHEMATICS EDUCATION, MUSIC, NATURAL RESOURCES,
 NATURE CENTERS, OCEANOLOGY, PROGRAM DESCRIPTIONS, PHYSICAL SCIENCES,
 PHYSICAL EDUCATION, SOCIAL STUDIES, SCIENCE EDUCATION INFORMATION ANALYSIS
 CENTER, NEWSLETTERS
18. SE 005 061 1 03 85 22
 SECOND REPORT OF THE INFORMATION CLEARINGHOUSE ON NEW SCIENCE CURRICULA
 AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, WASHINGTON, D.C.
 UNIVERSITY OF MARYLAND, SCIENCE TEACHING CENTER, COLLEGE PARK
 03 01 64 108
 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *ELEMENTARY SCHOOL
 MATHEMATICS, *PROJECT REPORTS, *SECONDARY SCHOOL SCIENCE, *SECONDARY
 SCHOOL MATHEMATICS, COURSE DESCRIPTIONS, EDUCATIONAL PROGRAMS, AMERICAN
 ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, 1964
19. SE 004 131 1 03 86 01
 TWO DECADES OF PROGRESS
 NEWARK SPECIAL SCHOOL DISTRICT, DELAWARE
 09 00 67 40
 *ANNUAL REPORTS, *EDUCATIONAL PROGRAMS, *PROGRAM DESCRIPTIONS, DISTRIBUTIVE
 EDUCATION, MATHEMATICS, OUTDOOR EDUCATION, READING, SAFETY, SOCIAL STUDIES,
 SCIENCES

D. AUTHOR INDEX

Authors or organizations responsible for documents are listed alphabetically. The document number of each publication listed is entered after the name of the author or organization. The letter indicates the section of the bibliography and the numeral represents the document number in that section.

- ABAMYR, SISTER MARY CHAMINADE (A1)
- ADVISORY COUNCIL ON COLLEGE CHEMISTRY
(A2, A3, A4, A5, A6, A7, A8)
- AKRON PUBLIC SCHOOLS (A9)
- ALASKA STATE DEPARTMENT OF EDUCATION
(A10, B1)
- ALPERN, D. K. (A11)
- AMEND, JOHN ROBERT (A12)
- ANDEREGG, D.; KELLER, E. C. (A13)
- ANDERSON, JAY E.; JACOBSON, NORMAN (A14)
- ANDERSON, MORRIS A. (A15)
- ANDERSON, RICHARD D. (B2, B3)
- ARLOTTO, ROY J. (A16)
- ASHDOWN, R. R. (A17)
- ATKIN, J. MYRON (A18)
- BADAR, LAWRENCE J. (A19)
- BAEZ, ALBERT V. (A20)
- BAILEY, WILLIAM J. (A21)
- BAKER, JEFFREY J. W. (A22)
- BAKER, JOHN (A23)
- BAUER, C. R. (A24)
- BEBERMAN, MAX (B4, B5, B6)
- BEHRINGER, MARJORIE (A25)
- BENFEY, O. THEODORE;
GEFFNER, SAUL L. (A26)
- BENSON, BERNARD W.;
HOWELL, J. EMORY (A27)
- BINGHAM, N. ELDRED;
CRONIN, C. HINES (A28)
- BINGHAM, NED E.; AND OTHERS (A29)
- BIOLOGICAL SCIENCES CURRICULUM STUDY
(A30, A31)
- BLACK, ROBERT E.; AND OTHERS (A32)
- BLASS, GERHEAD A. (A33)
- BLOUGH, GLENN O. (A34)
- BOCK, FREDERICK S. (A35)
- BOELL, E. J. (A36)
- BOENER, CHARLOTTE M. (A37)
- BOTTICELLI, CHARLES R. (A38)
- BRADSHAW, CHARLES KENNETH (B7)
- BRAY, EDMUND C. (C1)
- BREUKELMAN, JOHN (A39)
- BRISBY, WILLIAM L. (A40)
- BROWN, SISTER MARY GILBERT (B8)
- BROWNELL, JOHN; AND OTHERS (A41)
- BUCK, CHARLES; AND OTHERS (B9)
- BUCK, THOMAS (A42)

BUTLER, MARION (B10)

CAIRNS, ROBERT W. (A43)

CALIFORNIA STATE DEPARTMENT OF EDUCATION
(A44, A45, B11)

CAMAREN, JAMES (A46, A47)

CARNELIUS, MARION E. (A48)

CARVER, G. P.; SCARL, D. B. (A49)

CASTEEL, J. DOYLE; YAGER, ROBERT (A50)

CAUFFMAN, JOY (A51)

CENTRAL ASSOCIATION OF SCIENCE AND
MATHEMATICS TEACHERS (A52)

CHAFFEE, EVERETT (A53)

CHASE, FRANCIS S. (C2)

CHIASSON, ROBERT B. (A54)

CHINN, WILLIAM G.; SUMMERFIELD,
JEANETTE O. (B12)

CHRISTIAN, FLGYD T. (A55)

COHAN, PETER H. (A56)

COLE, R. C. (A57, A58)

COMMISSION ON COLLEGE PHYSICS (A59)

COMMISSION ON ENGINEERING EDUCATION
(A60, A61)

COMMISSION ON UNDERGRADUATE EDUCATION
IN THE BIOLOGICAL SCIENCES (A62, A63,
A64, A65, A66, A67, A68, A69, A70, A71,
A72, A73, A74, A75, A76)

COMMITTEE ON THE UNDERGRADUATE PROGRAM
IN MATHEMATICS (B13)

COSSMAN, GEORGE WILFORD (A78)

CRANE, H. R. (A79)

CRESWELL, DORIS E.; BERGER,
EMANUEL (B14)

DAMASKOS, NICKANDER J. (A80, A81)

DAMASKOS, NICKANDER J.; AND OTHERS (A82)

DARNES, G. ROBERT (C3)

DASBACH, JOSEPH M. (A83)

DAVIS, ROBERT B. (B15, B16, B17)

DEROSE, JAMES V. (A84)

DEVENNEY, WILLIAM S. (B18)

DOLGOFF, ANATOLE (A85)

DRUMHELLER, JOHN E. (A86)

DUREN, W. L., JR. (B19, B20, B21, B22)

DURST, LINCOLN K. (B23, B24, B25, B26)

DUVAL COUNTY BOARD OF PUBLIC INSTRU-
TION (A87, A88)

DYE, DAVID L. (B27)

EARTH SCIENCE CURRICULUM PROJECT
(A89, A90)

EDUCATIONAL RESEARCH COUNCIL OF
AMERICA (B28)

EDWARDS, SETH JAIVANT (A91)

EDWARDS, THOMAS FRANCIS (A92)

ELEMENTARY SCIENCE STUDY (A93)

EMRICH, RAYMOND J.; AND OTHERS (A94)

ENGELKING, D. F. (B29)

ENGEN, H. VAN (B30)

FEHR, HOWARD F. (B31)

FENG, CHUAN C. (C4)

FIELD, STANLEY (A95)

FIFE, WILMER K. (A96)

FLETCHER, JACK E. (A97)

FOLEY, JACK L. (B32, B33, B34)

FOX, JOHN N. (A98)

FRANZ, J. A. (A99)

FRAZIER, CALVIN M. (A100)

FREDRICKSON, CLIFFORD T. (A101)

FRIED, RAINER (A102)

FROSCH, ROBERT A. (A103)

FRYSHMAN, BERNARD (A104)

FULLER, EDWARD C. (A105)

GALLAGHER, JAMES JOSEPH (A106)

GATEWOOD, CLAUDE (A107)

GAY, PHILIP D. (A108)

GENNARO, EUGENE D.;
BOECK, CLARENCE H. (A109)

GEYER, R. E. (A110)

GIDDINGS, MORSLEY G. (A111)

GILLESPIE, A. S. (A112)

GOLDEN, WILLIAM (B35)

GOMEZ, SEVERO (A113)

GORDON, BERNARD L. (A114)

GRAY, DAVID (B36)

GREENE, KINGSLEY L. (A115)

GRIFFIN, RAYMOND VERNON (A116)

GRUVER, WILLIAM J.;
PILTZ, ALBERT (A117)

HABER-SCHAM, URI (A118)

HALE, JAMES ROBERT (A119)

HAMMOND, GEORGE S.;
GRAY, HARRY B. (A120)

HANES, TED L. (A121)

HAYNES, ROBERT C. (A122)

HEDGES, WILLIAM D.;
MACDOUGALL, MARY ANN (A123)

HERMAN, HARVEY B.;
LEYDEN, DONALD E. (A124)

HERNANDEZ, DOLORES F.;
VERGARA, BENITO S. (A125)

HERRIOT, SARAH T. (B37)

HIGGINS, JON L. (C5)

HIGGINS, JON I.; BOYER, ROBERT E. (A126)

HOFFART, ERVIL H. (A127)

HOGG, M. E. (A128)

HOLOHAN, SISTER MARY ELLEN (A129)

HOLHOUSER, NANCY L. (A130)

HOPKINS, STEPHEN (A131)

HOPPIN, RICHARD A. (A132)

HORNER, CARL MATTHEW (A133)

HOUSER, WILLIAM V. (A134)

HUDES, ISIDORE; MORIBER, GEORGE (A135)

HUMMER, PAUL J., JR. (A136)

HUQUE, ABU OBAIDUL (A137)

ILLINOIS STATE DEPARTMENT OF
EDUCATION (A138)

INTERMEDIATE SCIENCES CURRICULUM
STUDY (A139)

JACOBSON, WILLARD J. (A140)

JAMES, ROBERT K. (A141)

JENSEN, LAMONT (A142)

JOHNSON, MERVIN LEROY (A143)

JUNGWIRTH, E. (A144)

KELLEY, JOHN L.; AND OTHERS (B38)

KELLY, GARY F. (A145)

KELLY, P. J.; DOWDESWELL, W. H. (A146)

KEOHANE, K. W. (A147)

KEOHANE, KEVIN W. (A148)

KING, L. C. (A149)

KITZINGER, ANGELA;
HILL, PATRICIA J. (A150)

KLEIN, GEORGE (B39, B40)

KLOPFER, LEOPOLD E. (A151)

KNOOP, LOWELL (A152)

KOBAYASHI, TETSUYA (A153)

KRUEGER, LEON WILLIAM (A154)

LADD, GEORGE T. (A155)

LANDER, ALAN (A156)

LANDIN, EVERETT A.;
PINNIE, ANTHONY F. (B41)

LASHIER, WILLIAM S., JR. (A157)

LEHMAN, V. BOYD (A158)

LEIDERMAN, GLORIA F.; AND OTHERS
(B42)

LIEBHERR, HAROLD G. (A159)

LINDSAY, FRANK B. (A160)

LINKHART, BENNIE ROBERT (B43)

LINSKY, RONALD B. (A161)

LIPSON, JOSEPH I. (A162)

LISTON, ROBERT H. (A163)

LOCKARD, J. DAVID (C6, C7)

LOWERY, LAWRENCE F.;
CARLSON, JERRY S. (A164)

LUNETTA, VINCENT N. (A165)

MALERICH, SISTER M. ANTONE (B44)

MANN, JOHN A. (A166)

MARQUARDT, D. N. (A167)

MARSH, NORMAN (A168)

MARTIN, SISTER JOAN MARIE (B45)

MARTIN, WILLIAM R. (A169)

MARYLAND STATE DEPARTMENT OF
EDUCATION (B46)

MAXWELL, JANE L. (A170)

MEADOWS, EDNA L. (A171)

MENDELSON, MELVIN (B47)

MEYER, J. H. (A172)

MICHELS, WALTER C. (A173)

MICHIGAN STATE DEPARTMENT OF
EDUCATION (B48)

MILLER, G. H. (C8)

MILLSTONE, H. GEORGE (A174)

MINNESOTA STATE DEPARTMENT OF
EDUCATION (A175)

MISSISSIPPI STATE DEPARTMENT
OF EDUCATION (A176)

MOONEY, E. W. (A177, A178, A179)

MORAY, JOSEPH (B49)

MORRIS, MARTIN L. (A180)

MORTON, MAURICE (A181)

MOSS, JOHN H. (A182)

MCCALLUM, CAROL (A183)

MCCOMB, PATRICIA (B50)

MCCOMMINS, ROBERT; AND OTHERS (A184)

MCCORD, WILLIAM M. (A185)

MCCOY, M. ELEANOR (B51)

MCWILLIAMS, EDWARD L. (A186)

NATALI, V. F. (A187)

NATIONAL SCIENCE FOUNDATION (C9)

NEAL, VICTOR T. (A188)

NEVISON, JOHN M. (C10)

NEW YORK CITY DEPARTMENT OF
EDUCATION (A189, B52, B53, B54)

NIXON, LUCHRAN CONNOR, JR. (A190)

NIZOVA, A. M. (A191)

NORTH CAROLINA STATE DEPARTMENT OF
EDUCATION (A192, B55)

OBOURN, ELLSWORTH S. (A193)

ONIONS, T. G. (A194)

PAPARELLO, FRANK NICHOLAS (A195)

PARSEGIAN, V. L. (A196, A197, A198)

PICKAR, ARNOLD D.; AND OTHERS (A199)

PILTZ, ALBERT (A200, A201)

PITTSYLVANIA COUNTY SCHOOLS (A202, B56)

PORTER, J. ROGER (A203)

PORTLAND PUBLIC SCHOOLS (A204)

POKNALL, MALCOLM W.; AND OTHERS (B57)

PRICE, THOMAS DELAWARE (A205)

QUILLING, MARY; AND OTHERS (B58)

RAIMIST, ROGER JOHN (A206)

REITER, R. C.; HOUSE, J. E. (A207)

REITZ, ROBERT A. (A208)

RESNICK, LAUREN B. (B59)

RICHARDSON, CHARLES E.;
OLIVER; LAWRENCE E. (A209)

RICHARDSON, EVAN C. (A210)

RICHARDSON, HARRY D. (A211, A212)

RICHARDSON, JOHN S.;
SHOWALTER, VICTOR (A213)

RIESER, LEONARD M. (A214)

ROBERTS, DONALD A. (A215)

ROMNEY, WILLIAM D. (A216)
 RUFOLLO, DANIEL O. (A217)
 RYAN, ARTHUR J. (A218)
 RYAN, JAMES J. (B60)
 SADOWSKI, BERNARD S. (A219)
 SAMOLIS, ALEXANDER MICHAEL (A220)
 SASLAW, MILTON S. (A221)
 SCHEIN, MARTIN W. (A222)
 SCHOOL MATHEMATICS STUDY GROUP
 (B61, B62, B63)
 SCIENCE CURRICULUM IMPROVEMENT
 STUDY (A223)
 SCOTT, ARTHUR; AND OTHERS (A224, A225)
 SCOTT, DANA S. (A226)
 SCOTT, HARRY V. (A227)
 SELZ, EDGAR (A228)
 SENTER, DONALD RUSSELL (A229)
 SHANLEY, JOHN P. (A230)
 SHONLE, JOHN I. (A231)
 SHORT, NICHOLAS (A232)
 SHOWALTER, VICTOR (A233)
 SILBERMAN, ROBERT;
 MCCONNELL, JAMES (A234)
 SILER, SISTER PHILIP (B64)
 SLADE, J. R. (A235)
 SLAWSON, WILBER S. (A236)
 SMITH, M.; SPALDING, D. A. E. (A237)
 SMITH, ROY EMERSON (A238)
 SNOBLE, JOSEPH JERRY (A239)
 SNYDER, DONALD D. (A240)
 SNYDER, GEORGE ALAN (A241)
 SOUTH CAROLINA STATE DEPARTMENT
 OF EDUCATION (A242)
 SPURR, STEPHEN H. (A243)
 STAPP, WILLIAM B. (A244)
 STEFFE, LESLIE P.;
 PARR, ROBERT B. (B65)
 STEPHENS, DARLEEN BELL (A245)
 STEWART, A. D. (A246)
 STOTLER, DONALD W. (A247)
 STRAHLER, VIOLET R. (A248)
 STRASSENBURG, A. A. (A249)
 SUBAPSKY, ZACHARIAH (C11)
 SUPPES, PATRICK (B66, B67, B68,
 B69, B70, B71, B72)
 SUPPES, PATRICK; IHRKE, CONSTANCE
 (B73)
 SUPPES, PATRICK; AND OTHERS (B74)
 SZABO, STEVEN (B75)
 TAYLOR, EDWIN F. (A250)
 TAYLOR, PAUL H.; AND OTHERS (A251)
 TRACEY, G. W. (A252)
 TROOST, CORNELIUS J. (A253)
 TROUT, VERDINE E. (A254)

TROXEL, VERNE A. (A255)	WERNITZ, J. H. (C12)
TROXEL, VERNE A.; YAGER, ROBERT E. (A256)	WHEELER, EDWARD ALLEN (A270)
TUCKER, W. C., JR. (A257)	WHITE, CHRISTINE M. (A271)
UHLHORN, KENNETH W. (A258)	WILLIAMS, J. D. (B77)
VANDERLIN, CARL J., JR. (B76)	WILSON, JOHN HAROLD (A272)
VAN DEVENTER, W. C. (A259, A260)	WINGET, LERUE (B78)
VINCI, THOMAS G. (A261)	WISE, DONALD L. (A273)
WAILLES, JAMES R. (A262)	WISE, JOHN H. (A274)
WALTON, GEORGE (A263)	WOLFGANG, RICHARD (A275)
WARSH, K. L. (A264)	WYATT, H. V. (A276)
WASTMEDGE, E. R. (A265)	YAGER, ROBERT E.; COSSMAN, GEORGE W. (A277)
WEAVER, RICHARD L. (A266)	YOUNGQUIST, WALTER (A278)
WELCH, WAYNE W. (A267, A268)	ZIAUKAS, FRANK (B79)
WELCH, WAYNE W.; AND OTHERS (A269)	ZUR, MORDEHAI (B80)

E. UNAUTHORED ARTICLES

ACCREDITATION AND STANDARDS - PRO AND CON, SYMPOSIUM PROCEEDINGS (A279)

ASSOCIATION FOR THE EDUCATION OF TEACHERS OF SCIENCE. COMPILATION OF PAPERS AND REPORTS FROM SESSIONS HELD IN CONJUNCTION WITH THE CONVENTION OF THE NATIONAL SCIENCE TEACHERS ASSOCIATION (NEW YORK CITY, APRIL 1, 2, 1966) (A280)

ASTRONOMY (A281)

BIBLIOGRAPHY OF SCIENCE COURSES OF STUDY AND TEXTBOOKS, GRADES 7-12 (A282)

BIOLOGY FOR THE NON-MAJOR (A283)

CENTRAL IOWA LOW ACHIEVER MATHEMATICS PROJECT - LOST IN SPACE, HOW IT MIGHT HAVE BEEN, GIMMICKS, AND TANAGRAMS (B81)

THE COLLEGE COMMISSIONS (A284)

COMPUTER SCIENCES IN ELECTRICAL ENGINEERING (A285)

COPE'S NEWSLETTER (A286, A287, A288)

THE CCSS PROGRAM OF THE NATIONAL SCIENCE FOUNDATION (A289)

COOPERATIVE EXTENSION, CIS - 20 (A290)

CURRICULUM AND TEACHING OF MATHEMATICS IN THE HIGHER SECONDARY SCHOOLS - AN ANALYSIS OF SYLLABUSES (B82)

CURRICULUM AND TEACHING OF MATHEMATICS IN THE HIGHER SECONDARY SCHOOLS, CURRICULUM GUIDE (B83)

CURRICULUM AND TEACHING MATHEMATICS IN THE HIGHER SECONDARY SCHOOLS, REPORT OF THE PROJECT (B84)

THE DENISON UNIVERSITY BIOLOGICAL RESERVE LABORATORY OF ENVIRONMENTAL SCIENCES, DESCRIPTION AND PROGRAM (A291)

A DESCRIPTION OF THE (GCMP) GREATER CLEVELAND MATHEMATICS PROJECT (B85)

THE DEVELOPMENT OF A SCHOOL SITE OR NATURAL AREA AS AN EDUCATIONAL LABORATORY (A292)

DIRECTORY SCIENCE TRAINING PROGRAMS FOR HIGH ABILITY SECONDARY SCHOOL STUDENTS, SUMMER 1968 (A293)

EARTH SCIENCE CURRICULUM PROJECT NEWSLETTER, NUMBER 16 (A294)

EDITORIAL COMMENT (A295)

EDUCATION DEVELOPMENT CENTER, ANNUAL REPORT, 1967 (A296)

EDUCATIONAL RESEARCH COUNCIL SCIENCE NEWS (A297)

ERC SCIENCE NEWS (A298)

ERC SCIENCE PROBLEMS - A PROGRAM OF INDIVIDUALIZED INSTRUCTION IN SCIENCE, FIRST EXPERIMENTAL EDITION (A299)

ENGINEERING CONCEPTS CURRICULUM PROJECT NEWSLETTER (A300, A301)

GENERAL INFORMATION - THE UNIVERSITY OF ILLINOIS ARITHMETIC PROJECT (B86)

GREATER CLEVELAND MATHEMATICS PROGRAM (B87)

GREATER CLEVELAND MATHEMATICS PROGRAM PRE-ALGEBRA (B88)

HARVARD PROJECT PHYSICS NEWSLETTER 1 (A302)
HARVARD PROJECT PHYSICS NEWSLETTER 2 (A303)
HARVARD PROJECT PHYSICS NEWSLETTER 4 (A304)
HARVARD PROJECT PHYSICS NEWSLETTER 6 (A305)
HARVARD PROJECT PHYSICS NEWSLETTER 7 (A306)
HAVE YOU DONE YOUR HOMEWORK - A PRIMER FOR PARENTS (B89)
HAWAII CURRICULUM CENTER BROCHURE (C13)
IMPORTANT CHARACTERISTICS OF A GOOD LOCAL PROGRAM OF CONSERVATION EDUCATION (A307)
IN-SERVICE EDUCATION PROGRAM (C14)
INTERMEDIATE SCIENCE CURRICULUM STUDY NEWSLETTER (A308, A309)
INTERMEDIATE SCIENCE CURRICULUM STUDY NEWSLETTER NUMBER 4 (A310)
THE MOHICAN NEWSLETTER (A311)
NSF COOPERATIVE COLLEGE-SCHOOL SCIENCE PROGRAMS (A312)
NSF SUMMER SCIENCE TRAINING PROGRAMS (C15)
THE NSTA CONFERENCES ON SCIENTIFIC LITERACY (A313)
NATURE CENTERS, OPEN SPACE, NATURAL AREAS, OUTDOOR LABORATORIES AND NATURE PARKS (A314)
NEWSLETTER OF THE COUNCIL ON EDUCATION IN THE GEOLOGICAL SCIENCES (A315)
OCCASION FOR CHANGE (A316)
ON SCIENCE, SCIENTISTS, AND EDUCATION (A317)
THE PACESETTER - TALCOTT MOUNTAIN SCIENCE CENTER FOR STUDENT INVOLVEMENT (A318)
PATTERNS (B90)
PATTERNS IN ARITHMETIC (B91)
PHYSICS, THE NUFFIELD FOUNDATION SCIENCE TEACHING PROJECT (A319)
PLANETARIUM CURRICULUM AN ENRICHMENT COURSE DESIGNED FOR ADULT EDUCATION (A320)
PLANETARIUM CURRICULUM COURSE OUTLINE GRADES 10, 11, AND 12 (A321)

PLANETARIUM CURRICULUM COURSE OUTLINE GRADES 11 AND 12 (A322)

PLANNING A COMPREHENSIVE EDUCATION PLAZA AND SUPPLEMENTARY SERVICES CENTER -
FINAL REPORT (A323)

PLANNING A STATE PROGRAM OF CONSERVATION EDUCATION (A324)

PREGRADUATE PREPARATION OF RESEARCH MATHEMATICIANS (B92)

PROCEEDINGS OF THE AMERICAN ASSOCIATION OF PHYSICS TEACHERS SUMMER MEETING
AT THE UNIVERSITY OF WISCONSIN, MADISON, WISCONSIN, 18-20, JUNE, 1964 (A325)

PROGRESS AND DEVELOPMENT IN BIOLOGICAL EDUCATION (A326)

PROJECTS IN IMAGINATIVE NATURE EDUCATION (PINE), SURVEY REPORT AND OUTDOOR
LABORATORY PLAN (A327)

PROJECTS TO ADVANCE SCHOOL AND SCHOOL SYSTEM INSTRUCTION IN MATHEMATICS AND
SCIENCE (C16)

RECOMMENDATIONS ON THE UNDERGRADUATE MATHEMATICS PROGRAM FOR WORK IN COMPUTING
(B93)

A REPORT OF AN AFRICAN EDUCATION PROGRAM (A328)

REPORT OF THE DIRECTOR ON ACTIVITIES AND RECENT DEVELOPMENTS IN ELEMENTARY
AND JUNIOR HIGH SCHOOL SCIENCE (A329)

REPORT OF THE MIDWEST CONFERENCE ON ARTICULATION IN THE SCIENCES BETWEEN JUNIOR
COLLEGES AND 4-YEAR COLLEGES AND UNIVERSITIES, DES MOINES, IOWA, SEPTEMBER 30 -
OCTOBER 1, 1966 (A330)

RESOURCE GUIDE FOR TEACHING THE OUTDOORS, INTERMEDIATE (A331)

RESOURCE GUIDE FOR TEACHING THE OUTDOORS, JUNIOR HIGH (A332)

RESOURCE GUIDE FOR TEACHING THE OUTDOORS, PRIMARY (A333)

SCIENCE CURRICULUM IMPROVEMENT STUDY, NEWSLETTER NUMBER 12 (A334)

SCIENCE EDUCATION INFORMATION ANALYSIS CENTER NEWSLETTER (C17)

SCIENCE INTERPRETIVE PROGRAM (A335)

SECOND REPORT OF THE INFORMATION CLEARINGHOUSE ON NEW SCIENCE CURRICULA (C18)

SECONDARY SCHOOL MATHEMATICS CURRICULUM IMPROVEMENT STUDY, INFORMATION BULLETIN
NUMBER 3 (B94)

STEPS TOWARD SCIENTIFIC LITERACY, A REPORT OF COLLEGE LEVEL CONFERENCES ON
SCIENCE FOR NONSCIENCE MAJORS 1967-68 (A336)

SYLLABUS IN SCIENCE (A337)

SYSTEMS AND SUBSYSTEMS, TEACHER'S GUIDE (A338)

TEACHERS EVALUATE PROGRAMMED INSTRUCTION, A SURVEY OF ATTITUDES AND PROBLEMS (B95)

TWO DECADES OF PROGRESS (C19)

UNDERGRADUATE EDUCATION IN POULTRY SCIENCE (PAPERS PRESENTED DURING THE 54TH ANNUAL MEETING OF THE POULTRY SCIENCE ASSOCIATION, AUGUST, 1965) (A339)

UNDERGRADUATE EDUCATION IN RENEWABLE NATURAL RESOURCES, AN ASSESSMENT (A340)

UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES FOR STUDENTS IN AGRICULTURE AND NATURAL RESOURCES (A341)

AN UNDERGRADUATE ELECTRICAL ENGINEERING COURSE ON COMPUTER ORGANIZATION (A342)

UNIT - PETROLOGY (A343)

UNITED STATES PARTICIPATION IN THE INTERNATIONAL BIOLOGICAL PROGRAM (A344)

VECTORS (A345)

THE WORLD OF CHANGE (A346)