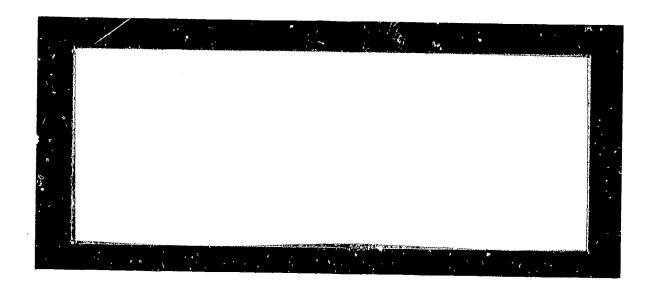
OE FORM 6000, 2/69

- DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE OFFICE OF EDUCATION

AUTHOR TITLE Science Education Information Report, General Bibliography Series 26, Teacher Resource Materials. SOURCE CODE INSTITUTION (SOURCE) RUF24927 ERIC Information Analysis Center for Science Education, Columbus, SP. AG. CODE SPONSORING AGENCY EDRS PRICE 0.50;3.95 REPORT NO. GRANT NO. AVAILABILITY JOURNAL CITATION DESCRIPTORS *Bibliographies; *Instructional Materials; *Instruction; *Science Education; *Resource Materials; Audiovisual Aids; College Science; Curriculum Guides; Conservation Education; Elementary School Science; Films; Filmstrips; Health	ERIC ACC. NO.	7		E	ERIC	REPOF	RT RESUME		
CH ACC. NO. AA 000430 AUTHOR TITLE Science Education Information Report, General Bibliography Series 26, Teacher Resource Materials. SOURCE CODE INSTITUTION (SOURCE) RUF24927 ERIC Information Analysis Center for Science Education, Columbus, SP. AG. CODE SPONSORING AGENCY EDRS PRICE 0.50;3.95 REPORT NO. BUREAU NO. AVAILABILITY DESCRIPTORS *Bibliographies; *Instructional Materials; *Instruction; *Science Education; Conservation Education; Elementary School Science; Films; Filmstrips; Health	ED 033260					IS DO	OCUMENT COPYRIGHTED?	YES 🗌	NO 3
AUTHOR TITLE Science Education Information Report, General Bibliography Series 26, Teacher Resource Materials. SOURCE CODE INSTITUTION (SOURCE) RUF24927 ERIC Information Analysis Center for Science Education, Columbus, SP. AG. CODE SPONSORING AGENCY EDRS PRICE 0.50;3.95 REPORT NO. BUREAU NO. AVAILABILITY DESCRIPTIVE NOTE 77p. DESCRIPTORS *Eibliographies; *Instructional Materials; *Instruction; *Science Education; Resource Materials; Audiovisual Aids; College Science; Curriculum Guides; Conservation Education; Elementary School Science; Films; Filmstrips; Health	CH ACC. NO.	P.A.	PUBL. DATE	ISSUI	<u>~_</u> ~	7		YES 🗌	NO 2
TITLE Science Education Information Report, General Bibliography Series 26, Teacher Resource Materials. SOURCE CODE INSTITUTION (SOURCE) RUF24927 ERIC Information Analysis Center for Science Education, Columbus, SP. AG. CODE SPONSORING AGENCY EDRS PRICE 0.50;3.95 REPORT NO. GRANT NO. BUREAU NO. AVAILABILITY DESCRIPTORS *Eibliographies; *Instructional Materials; *Instruction; *Science Education; *Resource Materials; Audiovisual Aids; College Science; Curriculum Guides; Conservation Education; Elementary School Science; Films; Filmstrips; Health	AA '000430		Jul 69	RIF	JAR	'7- f }⁼	L OF AVAILABILITY	1 ※ 11	::: [
Science Education Information Report, General Bibliography Series 26, Teacher Resource Materials. SOURCE CODE INSTITUTION (SOURCE) RUF24927 ERIC Information Analysis Center for Science Education, Columbus, SP. AG. CODE SPONSORING AGENCY EDRS PRICE 0.50;3.95 REPORT NO. GRANT NO. AVAILABILITY DESCRIPTIOR ESCRIPTORS **Eibliographies; *Instructional Materials; *Instruction; *Science Education; *Resource Materials; Audiovisual Aids; College Science; Curriculum Guides; Conservation Education; Elementary School Science; Films; Filmstrips; Health	AUTHOR	<u></u>	<u> </u>		 	- [- \-			
RUF24927 ERIC Information Analysis Center for Science Education, Columbus, SP. AG. CODE SPONSORING AGENCY EDRS PRICE 0.50;3.95 REPORT NO. BUREAU NO. AVAILABILITY DESCRIPTIVE NOTE 77p. DESCRIPTORS *Instructional Materials; *Instruction; *Science Education; *Resource Materials; Audiovisual Aids; College Science; Curriculum Guides; Conservation Education; Elementary School Science; Films; Filmstrips; Health	Science Edu			n Report,	Gener	al Bi	bliography Series 26,	Teacher	•
EDRS PRICE CONTRACT NO. GRANT NO. 0.50;3.95 REPORT NO. BUREAU NO. AVAILABILITY DESCRIPTIVE NOTE 77p. DESCRIPTORS *Bibliographies; *Instructional Materials; *Instruction; *Science Education; *Resource Materials; Audiovisual Aids; College Science; Curriculum Guides; Conservation Education; Elementary School Science; Films; Filmstrips; Health	SOURCE CODE	INSTITU	UTION (SOURC	E)					
EDRS PRICE 0.50;3.95 REPORT NO. BUREAU NO. AVAILABILITY DESCRIPTORS *Bibliographies; *Instructional Materials; *Instruction; *Science Education; *Resource Materials; Audiovisual Aids; College Science; Curriculum Guides; Conservation Education; Elementary School Science; Films; Filmstrips; Health	RUF24927	ERIC I	[nformation	Analysis	Cente	er for	Science Education, C	olumbus,	Ohio
DESCRIPTORS *Eibliographies; *Instructional Materials; *Instruction; *Science Education; *Resource Materials; Audiovisual Aids; College Science; Curriculum Guides; Conservation Education; Elementary School Science; Films; Filmstrips; Health	SP. AG. CODE	SPONSO	PRING AGENCY					_	
JOURNAL CITATION DESCRIPTIVE NOTE 77p. DESCRIPTORS *Eibliographies; *Instructional Materials; *Instruction; *Science Education; *Resource Materials; Audiovisual Aids; College Science; Curriculum Guides; Conservation Education; Elementary School Science; Films; Filmstrips; Health		CONT	TRACT NO.				GRANT NO.		
DESCRIPTIVE NOTE 77p. DESCRIPTORS *Bibliographies; *Instructional Materials; *Instruction; *Science Education; *Resource Materials; Audiovisual Aids; College Science; Curriculum Guides; Conservation Education; Elementary School Science; Films; Filmstrips; Health	REPORT NO.	<u> </u>					BUREAU NO.		
DESCRIPTIVE NOTE 77p. DESCRIPTORS *Eibliographies; *Instructional Materials; *Instruction; *Science Education; *Resource Materials; Audiovisual Aids; College Science; Curriculum Guides; Conservation Education; Elementary School Science; Films; Filmstrips; Health	AVAILABILITY		-					· · · · · · · · · · · · · · · · · · ·	
77p. DESCRIPTORS *Eibliographies; *Instructional Materials; *Instruction; *Science Education; *Resource Materials; Audiovisual Aids; College Science; Curriculum Guides; Conservation Education; Elementary School Science; Films; Filmstrips; Health	JOURNAL CITA	TION			,		<u> </u>		
*Bibliographies; *Instructional Materials; *Instruction; *Science Education; *Resource Materials; Audiovisual Aids; College Science; Curriculum Guides; Conservation Education; Elementary School Science; Films; Filmstrips; Health		NOȚE		1					
Education; Physical Sciences; Science Activities; Secondary School Science; Teaching Guides; Televised Instruction	*Eibliograp *Resource M Conservatio Education;	aterial n Educa Physica	ls; Audiovia ation; Elemo al Sciences	sual Aids entary Sc ; Science	; Coll hool S Activ	lege S Scienc	cience; Curriculum Gu e; Films; Filmstrips;	ides; Health	
IDENTIFIERS		·); <u></u>		.			

This is the sixth 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 304 citations of selected documents involving teacher resource materials 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 source, availability, and major ideas of the document. This bibliography updates, but does not replace, general bibliography 6 (ED 021 772) and general bibliography 16 (ED 026 282) produced earlier by this Center. (RH)





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.

SCIENCE EDUCATION INFORMATION REPORT

GENERAL BIBLIOGRAPHY SERIES BIBLIOGRAPHY 26

TEACHER RESOURCE MATERIALS

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

July, 1969



BIBLIOGRAPHY 26

Tab	le of Contents	Page
Α.	Elementary Education	
	1. Science and Health Education	1
	2. Mathematics	10
В.	Secondary Education	
	1. Biological Sciences and Health Education	12
	2. Physical Sciences and Earth Sciences	19
	3. Mathematics	26
	4. General (Science and/or Mathematics)	28
C.	College Education	
	1. Biological Sciences	31
	2. Physical Sciences and Earth Sciences	32
D.	General (Pertinent To Two or More Educational Levels)	
	1. Biological Sciences	42
	2. Physical Sciences and Earth Sciences	49
	3. Mathematics	56
	4. General (Science and/or Mathematics)	58
Ε.	Author Index	65
F.	Unauthored Articles	69



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 <u>General Bibliographies</u> 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 <u>General Bibliography 6</u> and <u>16</u>. 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 68

(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 BIBLEOGRAPHIC 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 020 907 MF \$0.25 HC \$2.35

If a document is announced in <u>Research in Education</u>, 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

ERIC

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. Terms marked with an asterisk represent primary ideas in 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.

A. ELEMENTARY EDUCATION

1. SCIENCE AND HEALTH EDUCATION

1. SE 004 491 2 18 51 15

COFFMAN, JOAN; AND OTHERS
PHASES OF MATTER, TEACHER'S GUIDE
SCIENCE CURRICULUM IMPROVEMENT STUDY, BERKELEY, CALIFORNIA

C2 00 68 100
**ELEMENTARY SCHOOL SCIENCE, *PHYSICAL SCIENCES, *SCIENCE UNITS, *SCIENCE ACTIVITIES, *TEACHING GUIDES, INSTRUCTIONAL MATERIALS, SCIENCE COURSE IMPROVEMENT PROJECT

2

SE 004 583

2.

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

18 91 15

- 3. SE 004 585

 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
- 4. SE 004 825 2 18 51 15

 COSTA, ARTHUR L.

 INVESTIGATING SCIENCE WITH CHILDREN, VOLUME 6, SPACE

 NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTON, D.C.

 64 96

 *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *INSTRUCTIONAL MATERIALS,
 *SPACE SCIENCE, STUDENT ACTIVITIES, TEACHING GUIDES
- 5. SE 004 826 2 18 51 15

 COX, LOUIS T.

 INVESTIGATING SCIENCE WITH CHILDREN, VOLUME 5, ENERGY IN WAVES

 NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTON, D.C.

 64 96

 *ELEMENTARY SCHOOL SCIENCE, *ENERGY, *INSTRUCTION, *INSTRUCTIONAL

 MATERIALS, *PHYSICAL SCIENCES, *WAVES, STUDENT ACTIVITIES, TEACHING GUIDES

18 91 11

6. SE 004 355 CRAIG, GERALD S. SCIENCE FOR THE ELEMENTARY SCHOOL TEACHER COLUMBIA UNIVERSITY TEACHERS COLLEGE, NEW YORK, NEW YORK

962 66 *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *LEARNING, *RESOURCE MATERIALS, *SCIENCE EDUCATION, *TEXTBOOKS, *TEACHING METHODS, *TEACHER EDUCATION, BIOLOGY, CURRICULUM, COMMUNITY RESOURCES, EVALUATION, EARTH SCIENCE, METHODS COURSES, NATURAL RESOURCES, PROBLEM SOLVING

18 11 15 3 7. SE 004 127

DAY, MYRTLE V. A TEACHER'S HANDBOOK OF RESOURCES FOR THE TEACHING OF HEALTH, K-6 NEBRASKA STATE DEPARTMENT OF EDUCATION, LINCOLN EDRS

MF \$0.50 HC \$5.05 ED 020 883

99 66 *ELEMENTARY SCHOOL SCIENCE, *HEALTH EDUCATION, *RESOURCE UNITS, *TEACHING GUIDES, FIRST AID, INTERMEDIATE GRADES, KINDERGARTEN, MENTAL HEALTH, RESOURCE MATERIALS, SAFETY, SCIENCE UNITS, NEBRASKA

18 51 15 8. SE 004 827 DUNN, LOIS E. INVESTIGATING SCIENCE WITH CHILDREN, VOLUME 4, MOTION NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTON, D.C. 64 95 *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *INSTRUCTIONAL MATERIALS, *PHYSICAL SCIENCES, ACCELERATION, FORCES (PHYSICAL), MOTION (PHYSICAL),

18 11 23 1 9. SE 004 560 ELEMENTARY SCIENCE STUDY BEHAVIOR OF MEALWORMS, SET OF 6 ILLUSTRATIONS ELEMENTARY SCIENCE STUDY, NEV ON, MASSACHUSETTS McGRAW-HILL BOOK COMPANY, NEW YORK, NEW YORK 66

MASS, STUDENT ACTIVITIES, TEACHING GUIDES

*AUDIOVISUAL AIDS, *BIOLOGY, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTIONAL MATERIALS, ILLUSTRATIONS, PHOTOGRAPHS, SCIENCE COURSE IMPROVEMENT PROJECT, ELEMENTARY SCIENCE STUDY

18 11 15 10. SE 004 640 ELEMENTARY SCIENCE STUDY TEACHER'S GUIDE FOR BONES ELEMENTARY SCIENCE STUDY, NEWTON, MASSACHUSETTS McGRAW-HILL BOOK COMPANY, NEW YORK, NEW YORK NOT AVAILABLE FROM EDRS ED 020 137

68 *BIOLOGY, *ELEMENTARY SCHOOL SCIENCE, *TEACHING GUIDES, ANATOMY, EVALUATION, GRADE 4, RESOURCE MATERIALS, NATIONAL SCIENCE FOUNDATION 18 41 15

11. SE 005 760

ERICKSON, JAY WILLIAM

THE EARTH IN SPACE - A SOURCE BOOK FOR THE MODERN ELEMENTARY SCHOOL SCIENCE PROGRAM OF THE SCIENCE MANPOWER PROJECT COLUMBIA UNIVERSITY TEACHERS COLLEGE, NEW YORK TEACHERS COLLEGE PRESS, COLUMBIA UNIVERSITY, NEW YORK

*ASTRONOMY, *ELEMENTARY SCHOOL SCIENCE, *OCEANOLOGY, *TEACHING GUIDES, BIBLIOGRAPHIES, DOCTORAL THESES, EARTH SCIENCE, INSTRUCTION, RESOURCE MATERIALS, SCIENCE UNITS, SCIENCE ACTIVITIES, SCIENCE MANPOWER PROJECT, 1963

12. SE 005 020

18 71 15

HONE, ELIZABETH B.; AND OTHERS A SOURCEBOOK FOR ELEMENTARY SCIENCE HARCOURT, BRACE AND WORLD, INC., NEW YORK, NEW YORK

552 62 *ELEMENTARY SCHOOL TEACHERS, *GENERAL SCIENCE, *SCIENCE ACTIVITIES, BIOLOGICAL SCIENCES, BIBLIOGRAPHIES, EQUIPMENT GUIDES, ELEMENTARY SCHOOL SCIENCE, INSTRUCTION, PHYSICAL SCIENCES, SCIENCE EXPERIMENTS, SCIENCE DEMONSTRATIONS, TEACHING GUIDES

SE 004 232 13.

3

18 91 37

18 51 15

HOPMAN, ANNE B.

HELPING CHILDREN LEARN SCIENCE - A SELECTION OF ARTICLES REPRINTED FROM SCIENCE AND CHILDREN

NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTON, D.C.

NEA PUBLICATIONS SALES, 1201 SIXTEENTH STREET, N.W., WASHINGTON, D.C.

EDRS

MF \$0.75 ED 017 468

NOT AVAILABLE IN HARD COPY

195 66

*CURRICULUM, *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, EDUCATIONAL OBJECTIVES, *INSTRUCTIONAL MATERIALS, *RESOURCE MATERIALS, *SCIENCE ACTIVITIES, SCIENCE EDUCATION, SCIENCE EQUIPMENT, ASTRONOMY, BIOLOGY, CHEMISTRY, CONCEPT FORMATION, CONSERVATION EDUCATION, DISADVANTAGED YOUTH, FIELD TRIPS, EDUCATIONAL PROGRAMS, GEOLOGY, LEARNING, OCEANOLOGY, OUTDOOR EDUCATION, PROBLEM SOLVING, SCIENCE FAIRS, SCIENCE COURSE IMPROVEMENT PROJECT, HEAD START

SE 004 823 14.

HUBBELL, LAWRENCE INVESTIGATING SCIENCE WITH CHILDREN, VOLUME 2, THE EARTH NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTON, D.C. TEACHERS PUBLISHING CORP., 23 LEROY AVENUE, DARIEN, CONNECTICUT

EDRS NOT AVAILABLE IN HARD COPY MF \$0.50 ED 021 745

96 64

*ELEMENTARY SCHOOL SCIENCE, *EARTH SCIENCE, *INSTRUCTIONAL MATERIALS, *SCIENCE ACTIVITIES, *TEACHING GUIDES, GEOLOGY, LABORATORY EXPERIMENTS, INVESTIGATING SCIENCE WITH CHILDREN, NATIONAL SCIENCE TEACHERS ASSOCIATION, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, NATIONAL EDUCATION ASSOCIATION

3 18 91 29

JACOBSON, WILLARD; KONDO, ALLAN
SCIENCE CURRICULUM IMPROVEMENT STUDY ELEMENTARY SCIENCE SOURCEBOOK
SCIENCE CURRICULUM IMPROVEMENT STUDY, BERKELEY, CALIFORNIA
SCIS, UNIVERSITY OF CALIFORNIA, BERKELEY, CALIFORNIA
ED 026 243 NOT AVAILABLE FROM EDRS

*CURRICULUM, *ELEMENTARY SCHOOL SCIENCE, *PROGRAM DESCRIPTIONS,
*SCIENCE COURSE IMPROVEMENT PROJECT, *TEACHING GUIDES, BIOLOGY,
INSTRUCTION, PHYSICAL SCIENCES, SCIENTIFIC CONCEPTS, TEACHER EDUCATION,
SCIENCE CURRICULUM IMPROVEMENT STUDY

16. SE 004 299

2 18 91 11

KAMBLY, PAUL E.; SUTTLE, JOHN E.

TEACHING ELEMENTARY SCHOOL SCIENCE

THE RONALD PRESS COMPANY, NEW YORK, NEW YORK

63 492

15. SE 004 917

*ELEMENTARY SCHOOL SCIENCE, *INSTRUCTIONAL MATERIALS, *METHODS COURSES, *SCIENCE ACTIVITIES, *TEACHING METHODS, *TEACHER EDUCATION, AUDIOVISUAL AIDS, BIOLOGICAL SCIENCES, CHEMISTRY, EDUCATIONAL OBJECTIVES, EVALUATION, EARTH SCIENCE FILMS, FILMSTRIPS, GEOLOGY, PHYSICAL SCIENCES, PHYSICS, RESOURCE UNITS, SCIENCE MATERIALS, SCIENCE EQUIPMENT, SCIENCE FACILITIES

17. SE 004 308 1 18 91 11

LEWIS, JUNE E.; POTTER, IRENE C.

THE TEACHING OF SCIENCE IN THE ELEMENTARY SCHOOL

PRENTICE-HALL, INCORPORATED, ENGLEWOOD CLIFFS, NEW JERSEY

61 381

*ELEMENTARY SCHOOL SCIENCE, *METHODS COURSES, RESOURCE MATERIALS, SCIENCE EDUCATION, *SCIENCE ACTIVITIES, TEXTBOOKS, *TEACHING METHODS, *TEACHER EDUCATION AUDIOVISUAL AIDS, BIOLOGICAL SCIENCES, EARTH SCIENCES.

EDUCATION, *SCIENCE ACTIVITIES, TEXTBOOKS, *TEACHING METHODS, *TEACHER EDUCATION, AUDIOVISUAL AIDS, BIOLOGICAL SCIENCES, EARTH SCIENCES, EVALUATION, EDUCATIONAL OBJECTIVES, FILMS, INSTRUCTIONAL MATERIALS, PHYSICAL SCIENCES, SCIENCE MATERIALS

18. SE 004 494

LINCOLN PUBLIC SCHOOLS

A RESOURCE BOOK OF AEROSPACE ACTIVITIES, K-6

LINCOLN PUBLIC SCHOOLS, NEBRASKA

EDRS

ED 019 248

ME 61 00 HG 613 10

ED 019 248 MF \$1.00 HC \$13.10 67 260

*ELEMENTARY SCHOOL SCIENCE, *PHYSICAL SCIENCES, *TEACHING GUIDES, *SECONDARY SCHOOL SCIENCE, *SCIENCE ACTIVITIES, ASTRONOMY, BIOGRAPHIES, BIBLIOGRAPHIES, FILMSTRIPS, FILMS, FIELD TRIPS, SCIENCE HISTORY, VOCABULARY

19. SE 004 740 1 18 71 30

METCALFE, WILLIAM W.
DISCUSSION GUIDES FOR TEACHERS FOR USE WITH THE 4-H TV ACTION CLUB
UNIVERSITY OF MASSACHUSETTS, AMHERST
11 00 66

*CONSERVATION EDUCATION, *ELEMENTARY SCHOOL SCIENCE, *GENERAL SCIENCE,
*SCIENCE ACTIVITIES, *TEACHING GUIDES, INSTRUCTIONAL TELEVISION, RESOURCE
MATERIALS, SECONDARY SCHOOL SCIENCE, 4-H ACTION CLUB SERIES

20. SE 004 741 1 18 71 30

METCALFE, WILLIAM W.
DISCUSSION GUIDES FOR TEACHERS FOR USE WITH THE 4-H TV SCIENCE-1 CLUB
UNIVERSITY OF MASSACHUSETTS, AMHERST
12 00 67
*ELEMENTARY SCHOOL SCIENCE. *GENERAL SCIENCE. *RESOURCE MATERIALS,

*ELEMENTARY SCHOOL SCIENCE, *GENERAL SCIENCE, *RESOURCE MATERIALS, *SCIENCE ACTIVITIES, *TEACHING GUIDES, SECONDARY SCHOOL SCIENCE, 4-H

21. SE 004 742 1 18 71 30

METCALFE, WILLIAM W.

DISCUSSION GUIDES FOR TEACHERS FOR USE WITH THE 4-H TV SCIENCE-2 CLUB

UNIVERSITY OF MASSACHUSETTS, AMHERST

03 00 67

*ELEMENTARY SCHOOL SCIENCE, *GENERAL SCIENCE, *RESOURCE MATERIALS,

*SCIENCE ACTIVITIES, *TEACHING GUIDES, SECONDARY SCHOOL SCIENCE, 4-H

22. SE 005 489 1 08 81 17

MUUSS, ROLF E.

THE TRANSFER EFFECT OF A LEARNING PROGRAM IN SOCIAL CAUSALITY ON AN UNDERSTANDING OF PHYSICAL CAUSALITY

JOURNAL OF EXPERIMENTAL EDUCATION

03 00 61 16

*ELEMENTARY SCHOOL SCIENCE, *CONCEPT FORMATION, *LEARNING, *RESEARCH REPORTS, *SCIENTIFIC CONCEPTS, CURRICULUM DEVELOPMENT, GRADE 5, GRADE 6, NATURAL SCIENCES, PHYSICAL SCIENCES, SOCIAL SCIENCES, TRANSFER OF TRAINING, ELEMENTARY CAUSAL TEST (ECT), PHYSICAL CAUSAL TEST (PCT), 1961

23. SE 004 668

1 18 11 30

NEUBERGER, HAROLD T.

A CLOSED SYSTEM FOR NATURAL SELECTION

SCIENCE AND CHILDREN

05 00 68

*EVOLUTION, *ELEMENTARY SCHOOL SCIENCE, *SCIENCE ACTIVITIES, BIOLOGY,
INSTRUCTION, RESOURCE MATERIALS, SECONDARY SCHOOL SCIENCE, SCIENCE
EXPERIMENTS, SCIENCE CURRICULUM IMPROVEMENT STUDY

18 71 11 24. SE 005 416 NEW YORK CITY DEPARTMENT OF EDUCATION SCIENCE GRADES 3-4 NEW YORK CITY BOARD OF EDUCATION, BROOKLYN NEW YORK DEPT. OF EDUC., 110 LIVINGSTON STREET, BROOKLYN, NEW YORK **EDRS** ED 023 603 MF \$1.50 NOT AVAILABLE IN HARD COPY 353 66 *CURRICULUM, *ELEMENTARY SCHOOL SCIENCE, *GENERAL SCIENCE, *TEACHING GUIDES, BIOLOGY, EARTH SCIENCE, GRADE 3, GRADE 4, INSTRUCTIONAL MATERIALS, PHYSICAL SCIENCES, SCIENCE ACTIVITIES

25. SE 005 709 1 18 48 20
OTHS, FLORENCE V.
LAUNCH YOUR OWN AEROSPACE STUDY
THE GRADE TEACHER
10 00 65 4
*CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *SCIENCES,
*SOCIAL STUDIES, AEROSPACE TECHNOLOGY, RESOURCE MATERIALS

26. SE 005 825 1 18 11 20
PERKES, V. A.
AN INQUIRY INTO PLANT RESPONSES
SCIENCE AND CHILDREN
11 00 68 3
*BOTANY, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *LABORATORY

27. SE 005 023 2 18 91 15
PILTZ, ALBERT; SUND, ROBERT
CREATIVE TEACHING OF SCIENCE IN THE ELEMENTARY SCHOOL
ALLYN AND BACON, INC., BOSTON, MASSACHUSETTS
68 217

EXPERIMENTS, *SCIENCE ACTIVITIES, BIOLOGY, PAPERS

*CREATIVITY, *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE,
*INSTRUCTION, AUDIOVISUAL AIDS, CREATIVE TEACHING, PROGRAM DESCRIPTIONS,
SCIENCE ACTIVITIES, SCIENCE EXPERIMENTS, TEACHING TECHNIQUES, TEACHING
METHODS

- 28. SE 004 526 1 18 51 20
 PROTHEROE, DONALD W.
 MAKING SOUND VISIBLE
 SCIENCE AND CHILDREN
 04 00 68 3
 *ELEMENTARY SCHOOL SCIENCE, *PHYSICAL SCIENCES, *SCIENCE ACTIVITIES,
 *SOUND, SCIENCE DEMONSTRATIONS
- 29. SE 004 490
 2 18 11 15
 RICHARDS, AUDREY; AND OTHERS
 POPULATIONS, TEACHER'S GUIDE
 SCIENCE CURRICULUM IMPROVEMENT STUDY, BERKELEY, CALIFORNIA
 03 00 68
 116
 *BIOLOGICAL SCIENCES, *ELEMENTARY SCHOOL SCIENCE, *ECOLOGY, *SCIENCE
 UNITS, *TEACHING GUIDES, INSTRUCTIONAL MATERIALS, SCIENCE COURSE
 IMPROVEMENT PROJECT, SCIENCE CURRICULUM IMPROVEMENT STUDY
- 30. SE 005 571 1 18 51 15

 SCIENCE CURRICULUM IMPROVEMENT STUDY
 RELATIVITY, TEACHER'S GUIDE
 SCIENCE CURRICULUM IMPROVEMENT STUDY, BERKELEY, CALIFORNIA
 D.C. HEATH AND COMPANY
 68 88

 *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTIONAL MATERIALS, *INSTRUCTION,
 *PHYSICAL SCIENCES, *SCIENCE ACTIVITIES, *TEACHING GUIDES, RELATIVITY,
 SCIENCE CURRICULUM IMPROVEMENT STUDY, NATIONAL SCIENCE FOUNDATION, 1968

18 55 30 31. SE 004 418 1

SEAGER, DOUGLAS B. A MOON-EARTH MODEL

SCIENCE AND CHILDREN

12 00 67

*ASTRONOMY, *ELEMENTARY SCHOOL SCIENCE, *PHYSICAL SCIENCES, *SOLAR SYSTEM, EARTH SCIENCE, INSTRUCTIONAL MATERIALS, MODELS, MOON, SCIENCE ACTIVITIES

18 83 11 32. SE 005 021

TANNENBAUM, HAROLD E.; AND OTHERS

SCIENCE EDUCATION FOR ELEMENTARY SCHOOL TEACHERS, SECOND EDITION

ALLYN AND BACON, INC., BOSTON, MASSACHUSETTS 65 349

*ELEMENTARY SCHOOL TEACHERS, *INSTRUCTIONAL MATERIALS, *SCIENCE TEACHING, *TEACHING METHODS, *TEACHER EDUCATION, GRADUATE STUDY, SCIENCE EDUCATION, TEXTBOOKS, UNDERGRADUATE STUDY

18 51 15 33. SE 004 828

TRIEGER, SEYMOUR

INVESTIGATING SCIENCE WITH CHILDREN, VOLUME 3, ATOMS AND MOLECULES NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTON, D.C. TEACHERS PUBLISHING CORP., 23 LEROY AVENUE, DARIEN, CONNECTICUT EDRS

NOT AVAILABLE IN HARD COPY ED 021 746 MF \$0.50

64 95

*ELEMENTARY SCHOOL SCIENCE, *INSTRUCTIONAL MATERIALS, *PHYSICAL SCIENCES, *TEACHING GUIDES, LABORATORY EXPERIMENTS, MATTER, SCIENCE ACTIVITIES

18 81 17 3 34. SE 005 181

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

NOT AVAILABLE FROM EDRS ED 023 594

> 129 66

*CURRICULUM, *CURRICULUM GUIDES, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTIONAL MATERIALS, *OBJECTIVES, DOCTORAL THESES, SCIENCE ACTIVITIES, TEACHING GUIDES, RESEARCH REPORTS, 1966

18 51 20 35. SE 004 416

TUTTLE, FREDERICK B.

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION - AN ELEMENTARY TEACHING RESOURCE

SCIENCE AND CHILDREN

12 00 67

2 *ASTRONOMY, *ELEMENTARY SCHOOL SCIENCE, *PHYSICAL SCIENCES, *SPACE SCIENCE, AUDIOVISUAL AIDS, FILMS, PUBLICATIONS, REFERENCE MATERIALS, TEACHER EDUCATION

2 18 91 04

36. SE 004 287 WAILES, JAMES R.

ELEMENTARY SCHOOL SCIENCE EXPERIMENTAL PROJECTS - COMPREHENSIVE ANNOTATED BIBLIOGRAPHY

UNIVERSITY OF COLORADO, BOULDER, BUREAU OF EDUCATIONAL RESEARCH

*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)

37. SE 004 824

2

17 51 15

WAILES, JAMES R.
INVESTIGATING SCIENCE WITH CHILDREN, VOLUME 1, LIVING THINGS
NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTON, D.C.

*BIOLOGY, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *INSTRUCTIONAL MATERIALS, ANIMALS, FIELD TRIPS, PLANTS, STUDENT ACTIVITIES, TEACHING GUIDES

38. SE 004 838

1

18 91 14

ALL ABOUT YOU
NATIONAL CENTER FOR SCHOOL AND COLLEGE TELEVISION, MILWAUKEE, WISCONSIN
4

*ELEMENTARY SCHOOL SCIENCE, *EDUCATIONAL TELEVISION, *INSTRUCTIONAL TELEVISION, *TELEVISION, *TELECOURSES, GRADE 1, GRADE 2, HEALTH, INSTRUCTION, VIDEO TAPE LESSONS, VIDEO TAPE RECORDINGS

39. SE 004 669 1 18 95 03
ANNUAL INDEX, SCIENCE AND CHILDREN, VOLUME 5, SEPTEMBER, 1967 - MAY, 1968
SCIENCE AND CHILDREN
05 00 68 3
*BIBLIOGRAPHIES, *ELEMENTARY SCHOOL SCIENCE, *INDEXES, *PROFESSIONAL
ASSOCIATIONS, *SCIENCE EDUCATION, *SECONDARY SCHOOL SCIENCE, BIOLOGY,
BOOKS, CHEMISTRY, EARTH SCIENCES, PERIODICALS, PHYSICS

40. SE 004 970

ERIC

2

18 11 15

COLOR AND CHANGE

ENVIRONMENTAL SCIENCE CENTER, MINNEAPOLIS, MINNESOTA

20

*BIOLOGICAL SCIENCE, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTIONAL MATERIAL, *TEACHING GUIDES, GRADE 1, GRADE 2, KINDERGARTEN

- 41. SE 004 836

 LET'S INVESTIGATE

 NATIONAL CENTER FOR SCHOOL AND COLLEGE TELEVISION, MILWAUKEE, WISCONSIN

 4

 *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTIONAL TELEVISION, *INSTRUCTIONAL MATERIALS, *TELECOURSES, GRADE 4, INSTRUCTION, PHYSICS, TELEVISION, VIDEO TAPE RECORDINGS, VIDEO TAPE LESSONS
- 42. SE 004 366

 2 18 91 29
 RESOURCE GUIDE FOR TEACHING THE OUTDOORS, PRIMARY
 CRYSTAL LAKE DISTRICT NO. 47, CRYSTAL LAKE, 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
- 43. SE 004 365

 RESOURCE GUIDE FOR TEACHING THE OUTDOORS, INTERMEDIATE
 CRYSTAL LAKE DISTRICT NO. 47, CRYSTAL LAKE, 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
- 44. SE 004 024 1 18 91 15
 SCIENCE, SUGGESTIONS FOR TEACHING
 THE INTERSTATE PRINTERS AND PUBLISHERS, INC., DANVILLE, ILLINOIS
 58 265
 *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *SCIENCE ACTIVITIES, *TEACHING GUIDES, ANIMALS, BIBLIOGRAPHIES, BIOLOGICAL SCIENCES, PHYSICAL SCIENCES, PHILADELPHIA SUBURBAN SCHOOL STUDY COUNCIL, 1958
- 45. SE 004 916 2 18 91 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

2. MATHEMATICS

1. SE 004 301 3 18 09 15

ASSOCIATION OF TEACHERS OF MATHEMATICS

NOTES ON MATHEMATICS IN PRIMARY SCHOOLS

ASSOCIATION OF TEACHERS OF MATHEMATICS

CAMBRIDGE UNIVERSITY PRESS, 510 NORTH AVENUE, NEW ROCHELLE, NEW YORK

ED 018 372 NOT AVAILABLE FROM EDRS

67 340

*ARITHMETIC, *ELEMENTARY SCHOOL MATHEMATICS, *INSTRUCTION, *INSTRUCTIONAL

MATERIALS, *MATHEMATICS, *TEACHING METHODS, LEARNING, TEACHING PROCEDURES

18 09 15 3 SE 004 504 2. FOLEY, JACK L. PATTERNS, PARTICULARS AND GUESSES PALM BEACH COUNTY PROGRAM FOR MATHEMATICALLY UNDERDEVELOPED PUPILS, FLORIDA **EDRS** HC \$1.35 MF \$0.25 ED 021 725 25 05 00 67 *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL MATHEMATICS, MATHEMATICS, ARITHMETIC, ADDITION, CURRICULUM, DIVISION, GEOMETRY, LOW ABILITY STUDENTS, SET THEORY, TRIGONOMETRY, ELEMENTARY AND SECONDARY EDUCATION ACT TITLE III

- 3. SE 004 372

 KENNEDY, LEONARD M.

 MODELS FOR MATHEMATICS IN THE ELEMENTARY SCHOOL

 WADSWORTH PUBLISHING COMPANY, BELMONT, CALIFORNIA

 ED 018 378

 NOT AVAILABLE FROM EDRS

 67

 209

 *AUDIOVISUAL AIDS, *ELEMENTARY SCHOOL MATHEMATICS, *INSTRUCTIONAL

 MATERIALS, *MATHEMATICS, ARITHMETIC, GEOMETRY, INSTRUCTION, LEARNING,

 MATHEMATICAL MODELS, MATHEMATICAL CONCEPTS, MECHANICAL TEACHING AIDS
- 4. SE 004 834

 PATTERNS

 NATIONAL CENTER FOR SCHOOL AND COLLEGE TELEVISION, MILWAUKEE, WISCONSIN

 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

ERIC

- PATTERNS IN ARITHMETIC

 NATIONAL CENTER FOR SCHOOL AND COLLEGE TELEVISION, MILWAUKEE, WISCONSIN

 8

 *ARITHMETIC, *COURSE CONTENT, *ELEMENTARY SCHOOL MATHEMATICS, *INSTRUCTIONAL TELEVISION, *MATHEMATICS, CURRICULUM DEVELOPMENT, FUNDAMENTAL CONCEPTS, *GEOMETRY, TELEVISION, TELECOURSES, VIDEO TAPE RECORDINGS
- 6. SE 004 466 1 18 09 38
 THE TEN-NESS OF ARITHMETIC FOR TEACHERS IN THE PUBLIC SCHOOLS OF HAWAII
 HAWAII STATE DEPARTMENT OF EDUCATION, HONOLULU
 09 00 62 10
 *ARITHMETIC, *DECIMALS, *ELEMENTARY SCHOOL MATHEMATICS, *MATHEMATICAL
 CONCEPTS, *MATHEMATICS, NUMBER CONCEPTS

B. SECONDARY EDUCATION

1. BIOLOGICAL SCIENCES AND HEALTH EDUCATION

- 1. SE 005 815 1 18 12 30

 ANDERSON, RONALD D.

 USING THE LABORATORY TO TEACH THE NATURE OF SCIENCE

 THE AMERICAN BIOLOGY TEACHER

 10 00 68 4

 *BIOLOGY, *INSTRUCTION, *LABORATORY ACTIVITIES, *SCIENCE ACTIVITIES,

 *SECONDARY SCHOOL SCIENCE, BIOLOGICAL SCIENCES CURRICULUM STUDY,

 YELLOW VERSION
- 2. SE 004 986 2 18 12 15

 ANDREWS, TED F.
 CHARACTERISTICS OF LIVING THINGS, INSTRUCTIONAL GUIDE, SECOND EXPERIMENTAL EDITION 1967-68
 EDUCATIONAL RESEARCH COUNCIL OF AMERICA, CLEVELAND, OHIO
 67 125
 *BIOLOGICAL SCIENCES, *SCIENCE ACTIVITIES, *SECONDARY SCHOOL SCIENCE,
 *TEACHING GUIDES, CELL THEORY, CURRICULUM DEVELOPMENT, ECOLOGY, HEREDITY,
 INSTRUCTIONAL MATERIALS, INSTRUCTION
- 3. SE 004 988 1 18 12 15

 ANDREWS, TED F.; AND OTHERS

 VARIATION, INSTRUCTIONAL GUIDE, SECOND EXPERIMENTAL EDITION 1967-68

 EDUCATIONAL RESEARCH COUNCIL OF AMERICA, CLEVELAND, OHIO

 08 00 67 550

 *BIOLOGICAL SCIENCES, *CURRICULUM DEVELOPMENT, *SECONDARY SCHOOL SCIENCE,

 *TEACHING GUIDES, INSTRUCTIONAL MATERIALS, INSTRUCTION, MAN, SCIENCE

 ACTIVITIES, VARIATION
- 4. SE 004 335 1 18 12 20
 BLISS, RICHARD
 TAKING DOGMATISM OUT OF SCIENCE TEACHING
 THE AMERICAN BIOLOGY TEACHER
 12 00 67 6
 *BIOLOGY, *EVOLUTION, *SECONDARY SCHOOL SCIENCE, SCIENTIFIC CONCEPTS,
 INSTRUCTION
- 5. SE 005 225 1 18 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



6. SE 005 718 1 18 12 20
CHANG, SHIH L.
QUANTITATIVE TREATMENT OF MICROBIOLOGICAL DATA
THE AMERICAN BIOLOGY TEACHER
08 00 68 16
*BIOLOGY, *MICROBIOLOGY, *RESEARCH METHODOLOGY, DATA ANALYSIS,
INSTRUCTION, MATHEMATICS, SECONDARY SCHOOL SCIENCE, STATISTICS

7. SE 005 721 1 18 15 30

COOKE, WILLIAM BRIDGE
FUNGI AND THEIR ENVIRONMENTS
THE AMERICAN BIOLOGY TEACHER
08 00 68 6
*BIOLOGY, *LABORATORY TECHNIQUES, *MICROBIOLOGY, *RESOURCE MATERIALS,
COLLEGE SCIENCE, FUNGI, INSTRUCTION, SECONDARY SCHOOL SCIENCE, SCIENCE
ACTIVITIES, SCIENCE LABORATORIES

8. SE 004 343 1 18 12 30

DARLING, DON

MORMONIELLA IN THE GENETICS LABORATORY

THE SCIENCE TEACHER

01 00 68 2

*BIOLOGY, *GENETICS, *SCIENCE ACTIVITIES, *SECONDARY SCHOOL SCIENCE,

COLLEGE SCIENCE, LABORATORY ACTIVITIES, RESOURCE MATERIALS

9. SE 004 128 3 18 12 30
DAY, MYRTLE V.
A TEACHER'S HANDBOOK OF RESOURCES FOR THE TEACHING OF HEALTH IN THE SECONDARY SCHOOLS
NEBRASKA STATE DEPARTMENT OF EDUCATION, LINCOLN EDRS

ED 021 724 MF \$0.50 HC \$4.90 66 96

*HEALTH EDUCATION, *RESOURCE UNITS, *SCIENCE UNITS, *TEACHING GUIDES, AUDIOVISUAL AIDS, ACCIDENT PREVENTION, COCURRICULAR ACTIVITIES, DENTAL HEALTH, FIRST AID, FILMS, HEALTH ACTIVITIES, HEALTH OCCUPATIONS, MENTAL HEALTH, NUTRITION, RESOURCE MATERIALS, SECONDARY SCHOOL SCIENCE, SAFETY, SECONDARY SCHOOL EDUCATION, NEBRASKA

10. SE 005 472

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

18 12 20 1 SE 004 332 11. GLASS, BENTLEY THE CENTRALITY OF EVOLUTION IN BIOLOGY TEACHING THE AMERICAN BIOLOGY TEACHER 12 00 67 11

*BIOLOGY, *EVOLUTION, *SCIENTIFIC CONCEPTS, *SECONDARY SCHOOL SCIENCE, ELEMENTARY SCHOOL SCIENCE

18 12 20 12. SE 004 333 1 LEE, ADDISON SOME SUGGESTIONS FOR THE TEACHING OF EVOLUTION IN HIGH SCHOOL BIOLOGY THE AMERICAN BIOLOGY TEACHER 5 12 00 67 *BIOLOGY, *EVOLUTION, *INSTRUCTION, *SCIENTIFIC CONCEPTS, *SECONDARY SCHOOL SCIENCE, THEORIES

18 12 20 1 SE 004 334 **13.** LEHMAN, DAVID L. THE LYSENKO AFFAIR: IMPLICATIONS FOR THE TEACHING OF HIGH SCHOOL BIOLOGY THE AMERICAN BIOLOGY TEACHER 12 00 67 *BIOLOGY, *GENETICS, *SECONDARY SCHOOL SCIENCE, EVOLUTION, INSTRUCTION, SCIENTIFIC CONCEPTS, THEORIES, LYSENKO

18 12 20 1 SE 005 025 14. MORGAN, R. F. ENVIRONMENTAL BIOLOGY, VOLUME I PERGAMON PRESS, NEW YORK, NEW YORK 63 *BIOLOGY, *ECOLOGY, *INSTRUCTIONAL MATERIALS, *SECONDARY SCHOOL SCIENCE, *TEXTBOOKS, BOTANY, RESOURCE MATERIALS, SCIENCE ACTIVITIES, ZOOLOGY

18 12 30 1 15. SE 005 026 MORGAN, R. F. ENVIRONMENTAL BIOLOGY, VOLUME 2 PERGAMON PRESS, NEW YORK, NEW YORK 258 64 *BIOLOGY, *INSTRUCTIONAL MATERIALS, *SCIENCE ACTIVITIES, *SECONDARY SCHOOL SCIENCE, *TEXTBOOKS, ANATOMY, BOTANY, ECOLOGY, RESOURCE MATERIALS, ZOOLOGY

16. SE 005 027 MORGAN, R. F. ENVIRONMENTAL BIOLOGY, VOLUME 3 PERGAMON PRESS, NEW YORK, NEW YORK 198 65 *BIOLOGY, *INSTRUCTIONAL MATERIALS, *SECONDARY SCHOOL SCIENCE, *TEXTBOOKS, ECOLOGY, MICROBIOLOGY, PHYSIOLOGY, RESOURCE MATERIALS

1

ERIC

18 12 30

17. SE 005 028 1 18 12 30

MORGAN, R. F.

ENVIRONMENTAL BIOLOGY, VOLUME 4

PERGAMON PRESS, NEW YORK, NEW YORK

66 182

*BIOLOGY, *INSTRUCTIONAL MATERIALS, *SCIENCE ACTIVITIES, *SECONDARY SCHOOL SCIENCE, *TEXTBOOKS, BEHAVIOR, GENETICS, PHYSIOLOGY, RESOURCE MATERIALS

18. SE 005 818 1 18 12 20 MCBURNEY, WENDELL F.

THE NON-METRIC FACTOR IN STUDENT BIOLOGICAL INVESTIGATIONS

THE AMERICAN BIOLOGY TEACHER

10 00 68

*BIOLOGY, *MEASUREMENT, *RESEARCH METHODOLOGY, *SECONDARY SCHOOL SCIENCE, *SCIENCE ACTIVITIES, STUDENT RESEARCH

19. SE 004 126 3 18 12 15

MCCOMB, PATRICIA

A GUIDE FOR INSTRUCTION IN HEALTH AND SAFETY, GRADES 7-12, CURRICULUM BULLETIN NO. 24 SUPPLEMENT

MINNESOTA STATE DEPARTMENT OF EDUCATION, ST. PAUL

EDRS

ED 021 723 MF \$0.75 HC \$7.90

12 00 65 156

*CURRICULUM GUIDES, *HEALTH EDUCATION, *RESOURCE UNITS, *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES, AUDIOVISUAL AIDS, CURRICULAR ACTIVITIES, CURRICULUM PLANNING, EDUCATIONAL OBJECTIVES, HEALTH ACTIVITIES, INSTRUCTIONAL MATERIALS, MENTAL HEALTH, NARCOTICS, NUTRITION, RESOURCE MATERIALS, TOBACCO, SAFETY

20. SE 005 616 1 18 15 20

ORLANS, F. BARBARA

THE BOUNDARIES OF USE OF ANIMALS IN HIGH SCHOOL BIOLOGY

THE SCIENCE TEACHER

10 00 68 4

*ANIMALS, *LABORATORY PROCEDURES, *POLICY, *SCIENCE MATERIALS, *SECONDARY SCHOOL SCIENCE, BIOLOGY, INSTRUCTIONAL MATERIALS, MORAL RESPONSIBILITIES, STATE LAWS, SCIENCE ACTIVITIES, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, NATIONAL ASSOCIATION OF ROCKETRY, 1968

21. SE 005 710 1 18 82 20

POLLACK, JACK HARRISON

TEEN-AGE DRINKING AND DRUG ADDICTION

NEA JOURNAL

05 00 66

*ALCOHOL, *DRUG ADDICTION, *HEALTH EDUCATION, *SECONDARY SCHOOL SCIENCE, BEHAVIOR PROBLEMS, 1966

22. SE 005 607 1 18 12 38
RHODES, LEE W.
THE DUCKWEEDS: THEIR USE IN THE HIGH SCHOOL LABORATORY
THE AMERICAN BIOLOGY TEACHER
09 00 68 4
*BIOLOGY, *INSTRUCTIONAL MATERIALS, *SECONDARY SCHOOL SCIENCE, *SCIENCE
MATERIALS, BOTANY, LABORATORY ACTIVITIES, PLANTS, DUCKWEEDS

23. SE 004 114 1 18 12 29

SALTINSKI, RONALD

THE TEACHING OF EXOBIOLOGY

METROPOLITAN DETROIT SCIENCE REVIEW

12 00 67 5

*BIOLOGY, *SPACE SCIENCES, *SECONDARY SCHOOL SCIENCE, EXOBIOLOGY, SCIENCE ACTIVITIES

24. SE 001 574

SANDERS, WILLIAM J; BLOOMBERG, WILFRED

TEACHING ABOUT ALCOHOL IN CONNECTICUT SCHOOLS - A GUIDE FOR TEACHERS

AND ADMINISTRATORS

CONNECTICUT STATE DEPARTMENT OF EDUCATION, HARTFORD

EDRS

ED 022 663

MF \$0.25

HC \$1.20

66

22

*ALCOHOLISM, *ALCOHOL EDUCATION, *HEALTH EDUCATION, *SECONDARY SCHOOL

SCIENCE, *TEACHING GUIDES, BIBLIOGRAPHIES

25. SE 005 033 1 18 12 11

SIMON, HAROLD J.

MICROBES AND MEN

NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTON, D. C.

63 160

*BIOLOGY, *DISEASES, *INSTRUCTIONAL MATERIALS, *MICROBIOLOGY, *SECONDARY SCHOOL SCIENCE, BACTERIA, INFECTIOUS DISEASES, SCIENTIFIC CONCEPTS, SCIENCE ACTIVITIES, NATIONAL SCIENCE TEACHERS ASSOCIATION, VISTAS OF SCIENCE

26. SE 004 265 1 18 12 20
STEELE, PETER
PHOTOGRAPHY IN THE JUNIOR HIGH SCIENCE CLASSROOM
THE SCIENCE TEACHER
04 00 68 3
*PHOTOGRAPHY, *SECONDARY SCHOOL SCIENCE, BIOLOGY, TEACHING TECHNIQUES

27. SE 005 813 1 18 92 20

UNGERLEIDER, J. THOMAS

DRUGS AND THE EDUCATIONAL PROCESS

THE AMERICAN BIOLOGY TEACHER

10 00 68 4

*DRUG ADDICTION, *EDUCATIONAL OBJECTIVES, *HEALTH EDUCATION, *SCHOOL RESPONSIBILITY, *SECONDARY SCHOOL SCIENCE, 1968

28. SE 005 036 1 18 12 11

VAN OVERBEEK, JOHANNES

THE LORE OF LIVING PLANTS

NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTON, D. C.

64 160

*BIOLOGY, *INSTRUCTIONAL MATERIALS, *SECONDARY SCHOOL SCIENCE, *SCIENCE ACTIVITIES, BOTANY, REFERENCE BOOKS, RESOURCE MATERIALS, NATIONAL SCIENCE TEACHERS ASSOCIATION, VISTAS OF SCIENCES

- 29. SE 004 701 1 18 92 38

 WEAVER, ELBERT C.

 ENVIRONMENTAL POLLUTION EXPERIMENTS

 THE SCIENCE TEACHER

 04 00 68 4

 *INSTRUCTIONAL MATERIALS, *LABORATORY EXPERIMENTS, *POLLUTION, *SECONDARY SCHOOL SCIENCE, *SCIENCE ACTIVITIES, ATMOSPHERIC SCIENCE, CHEMISTRY, LABORATORY PROCEDURES, PUBLIC HEALTH
- 30. SE 004 812 1 18 12 30

 AMERICAN OPTICAL REPORTS ON TEACHING WITH THE MICROSCOPE

 AMERICAN OPTICAL COMPANY, BUFFALO, NEW YORK

 66 45

 *BIOLOGY, *LABORATORY EQUIPMENT, *MICROSCOPES, *SCIENCE EQUIPMENT,
 *RESOURCE MATERIALS, *SCIENCE ACTIVITIES, *SECONDARY SCHOOL SCIENCE,
 INSTRUCTION, SCIENCE MATERIALS, SCIENCE LABORATORIES
- 31. SE 005 357 1 18 12 15
 ERC LIFE SCIENCE SUPPLEMENTAL GUIDE FOR TEACHERS, SECOND EXPERIMENTAL
 EDITION
 EDUCATIONAL RESEARCH COUNCIL OF AMERICA, CLEVELAND, OHIO
 04 24 68 28
 *BIOLOGY, *GRADE 7, *SCIENCE MATERIALS, *SECONDARY SCHOOL SCIENCE,
 *TEACHING GUIDES, INSTRUCTIONAL MATERIALS, RESOURCE MATERIALS
- 32. SE 004 339

 INDEX TO VOLUME 29 AMERICAN BIOLOGY TEACHER

 THE AMERICAN BIOLOGY TEACHER

 12 00 67

 *BIOLOGY, *INDEXES, *SECONDARY SCHOOL SCIENCE, ELEMENTARY SCHOOL SCIENCE, PUBLICATIONS

ERIC

18 92 29 33. SE 004 367 RESOURCE GUIDE FOR TEACHING THE OUTDOORS, JUNIOR HIGH CRYSTAL LAKE DISTRICT NO. 47, CRYSTAL LAKE, 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

18 12 20 SE 004 772 34. SOCIAL BIOLOGY FOR THE SCHOOL LEAVER BIOLOGY AND HUMAN AFFAIRS 66 3 *BIOLOGY, *BOOK REVIEWS, *GENERAL EDUCATION, *INTERNATIONAL EDUCATION, *SCIENCE UNITS, *SECONDARY SCHOOL SCIENCE, RESOURCE MATERIALS, TEXTBOOKS, TERMINAL STUDENTS

PHYSICAL SCIENCES AND EARTH SCIENCES

1. SE 004 152

1

18 52 15

AKRON PUBLIC SCHOOLS

A SUPPLEMENTARY UNIT - EIGHTH GRADE ASTRONOMY

AKRON PUBLIC SCHOOLS, OHIC

18

*ASTRONOMY, *GRADE 8, *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES, BIBLIOGRAPHIES, COURSE CONTENT, EDUCATIONAL OBJECTIVES, SCIENCE UNITS, AKRON, OHIO

SE 004 700

1

18 42 38

ANDERSON, ROBERT G.

AN INVESTIGATION OF TIDES - ARE THEY RELATED TO THE MOON?

THE SCIENCE TEACHER

04 00 68

*ASTRONOMY, *EARTH SCIENCE, *OCEANOLOGY, *SECONDARY SCHOOL SCIENCE, *TIDES, INSTRUCTION, TEACHING TECHNIQUES, SCIENCE TEACHER STAR AWARD

3. SE 005 473 1

18 52 15

BODLEY, ROGER; AND OTHERS

TEACHER GUIDE TO HEARTBEAT AND PENDULUM PROBLEMS--GREATER CLEVELAND

SCIENCE PROGRAM

EDUCATIONAL RESEARCH COUNCIL OF AMERICA, CLEVELAND, OHIO

105

*CURRICULUM DEVELOPMENT, *INSTRUCTIONAL MATERIALS, *PHYSICAL SCIENCES, *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES, INSTRUCTION, MATHEMATICS, SCIENCE ACTIVITIES

SE 005 066

3

18 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

SE 005 904 5.

18 22 15

COULSON, E. H.

CHEMISTRY, HANDBOOK FOR TEACHERS

THE NUFFIELD FOUNDATION

LONGMANS/PENGUIN BOOKS, ENGLAND

67

418

*CHEMISTRY, *INSTRUCTIONAL MATERIALS, *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES, INSTRUCTION, INTERNATIONAL EDUCATION, SCIENCE COURSE IMPROVEMENT PROJECT, TEACHING TECHNIQUES, NUFFIELD PROJECT CHEMISTRY, NUFFIELD FOUNDATION, GREAT BRITAIN

- 6. SE 005 699 1 18 42 29

 DEXTER, WILLIAM A.

 TEACHING ABOUT THE MOON WITH TWENTY BASIC QUESTIONS

 JOURNAL OF GEOLOGICAL EDUCATION

 10 00 68 6

 *ASTRONOMY, *SECONDARY SCHOOL SCIENCE, EARTH SCIENCE, MOON, TEACHING
 TECHNIQUES, 1968
- 7. SE 005 471

 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
- 8. SE 005 783

 EARTH SCIENCE CURRICULUM PROJECT

 EARTH SCIENCE CURRICULUM PROJECT NEWSLETTER NUMBER 1

 EARTH SCIENCE CURRICULUM PROJECT, BOULDER, COLORADO

 10 00 63

 *CURRICULUM DEVELOPMENT, *EARTH SCIENCE, *SECONDARY SCHOOL SCIENCE,

 CONFERENCES, NEWSLETTERS, OBJECTIVES, PHILOSOPHY, SCIENCE COURSE

 IMPROVEMENT PROJECT, 1963
- 9. SE 005 784

 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
- EARTH SCIENCE CURRICULUM PROJECT
 EARTH SCIENCE CURRICULUM PROJECT NEWSLETTER NUMBER 3
 EARTH SCIENCE CURRICULUM PROJECT, BOULDER, COLORADO
 O4 00 64 12
 *CURRICULUM DEVELOPMENT, *EARTH SCIENCE, *SECONDARY SCHOOL SCIENCE,
 CONFERENCES, EVALUATION, NEWSLETTERS, PROGRAM EVALUATION, SCIENCE
 COURSE IMPROVEMENT PROJECT, TEACHER CERTIFICATION, 1964
- EARTH SCIENCE CURRICULUM PROJECT
 EARTH SCIENCE CURRICULUM PROJECT NEWSLETTER NUMBER 4
 EARTH SCIENCE CURRICULUM PROJECT, BOULDER, COLORADO
 07 00 64 11
 *CURRICULUM DEVELOPMENT, *EARTH SCIENCE, *SECONDARY SCHOOL SCIENCE,
 BIBLIOGRAPHIES, CONFERENCES, NEWSLETTERS, SCIENCE COURSE IMPROVEMENT
 PROJECT, 1964

ERIC

(20)

1 18 42 32

EARTH SCIENCE CURRICULUM PROJECT

EARTH SCIENCE CURRICULUM PROJECT NEWSLETTER NUMBER 7

EARTH SCIENCE CURRICULUM PROJECT, BOULDER, COLORADO

04 00 65 12

*CURRICULUM DEVELOPMENT, *SECONDARY SCHOOL SCIENCE, CONFERENCES,

EVALUATION, NEWSLETTERS, PROGRAM EVALUATION, SCIENCE COURSE IMPROVEMENT

PROJECT, PSYCHOLOGICAL CORPORATION, TEST ON UNDERSTANDING SCIENCE,

1965

13. SE 005 788

EARTH SCIENCE CURRICULUM PROJECT

EARTH SCIENCE CURRICULUM PROJECT NEWSLETTER NUMBER 8

EARTH SCIENCE CURRICULUM PROJECT, BOULDER, COLORADO

07 00 65

*EARTH SCIENCE, *SECONDARY SCHOOL SCIENCE, CURRICULUM DEVELOPMENT,
LABORATORY ACTIVITIES, NEWSLETTERS, SCIENCE COURSE IMPROVEMENT PROJECT,
QUESTIONING TECHNIQUES

14. SE 005 789

EARTH SCIENCE CURRICULUM PROJECT

EARTH SCIENCE CURRICULUM PROJECT NEWSLETTER NUMBER 9

EARTH SCIENCE CURRICULUM PROJECT, BOULDER, COLORADO

10 00 65

12

*CURRICULUM DEVELOPMENT, *EARTH SCIENCE, *SECONDARY SCHOOL SCIENCE, NEWSLETTERS, SCIENCE COURSE IMPROVEMENT PROJECT, TEACHER EDUCATION, ENCYCLOPEDIA BRITANNICA INC., 1965

EARTH SCIENCE CURRICULUM PROJECT
EARTH SCIENCE CURRICULUM PROJECT NEWSLETTER NUMBER 10
EARTH SCIENCE CURRICULUM PROJECT, BOULDER, COLORADO
01 00 66 5
*EARTH SCIENCE, *SECONDARY SCHOOL SCIENCE, CURRICULUM DEVELOPMENT,
FILMS, NEWSLETTERS, SCIENCE COURSE IMPROVEMENT PROJECT, TEACHER
EDUCATION, TEACHER CHARACTERISTICS, AMERICAN GEOLOGICAL INSTITUTE,
ENCYCLOPEDIA BRITANNICA FILMS, 1966

1 18 42 32

EARTH SCIENCE CURRICULUM PROJECT

EARTH SCIENCE CURRICULUM PROJECT NEWSLETTER NUMBER 11

EARTH SCIENCE CURRICULUM PROJECT, BOULDER, COLORADO

04 00 66 4

*CURRICULUM DEVELOPMENT, *EARTH SCIENCE, *SECONDARY SCHOOL SCIENCE,

EVALUATION, NEWSLETTERS, OBJECTIVE TESTS, SCIENCE COURSE IMPROVEMENT

PROJECT, TESTS, 1966

17. SE 005 792

EARTH SCIENCE CURRICULUM PROJECT

EARTH SCIENCE CURRICULUM PROJECT NEWSLETTER NUMBER 12

EARTH SCIENCE CURRICULUM PROJECT, BOULDER, COLORADO

07 00 66

4

*CURRICULUM DEVELOPMENT, *EARTH SCIENCE, *SECONDARY SCHOOL SCIENCE,
LABORATORY ACTIVITIES, NEWSLETTERS, SCIENCE COURSE IMPROVEMENT PROJECT,
1966, QUESTIONING TECHNIQUES

ERIC

- 1 18 42 32

 EARTH SCIENCE CURRICULUM PROJECT

 EARTH SCIENCE CURRICULUM PROJECT NEWSLETTER NUMBER 13

 EARTH SCIENCE CURRICULUM PROJECT, BOULDER, COLORADO

 O2 00 67 12

 *CURRICULUM DEVELOPMENT, *EARTH SCIENCE, *SECONDARY SCHOOL SCIENCE,

 CONFERENCES, FILMS, GEOGRAPHY, NEWSLETTERS, SCIENCE EQUIPMENT,

 TEACHER EDUCATION, TEACHER CHARACTERISTICS, TEACHING GUIDES, HIGH

 SCHOOL GEOGRAPHY PROJECT, NATIONAL SCIENCE FOUNDATION, U.S. NAVAL

 OCEANOGRAPHIC OFFICE, AMERICAN METEOROLOGICAL SOCIETY, TOKYO

 UNIVERSITY OF EDUCATION, ENCYCLOPEDIA BRITANNICA EDUCATIONAL

 CORPORATION, JEFFERSON GOUNTY SCHOOLS, COLORADO, 1967
- 19. SE 005 794

 EARTH SCIENCE CURRICULUM PROJECT

 EARTH SCIENCE CURRICULUM PROJECT NEWSLETTER NUMBER 14

 EARTH SCIENCE CURRICULUM PROJECT, BOULDER, COLORADO

 10 00 67

 *CURRICULUM DEVELOPMENT, *EARTH SCIENCE, *SECONDARY SCHOOL SCIENCE,

 CONFERENCES, FILMS, LABORATORY EQUIPMENT, NEWSLETTERS, SCIENCE

 COURSE IMPROVEMENT PROJECT, SUMMER INSTITUTES, 1967
- 20. SE 005 795

 EARTH SCIENCE CURRICULUM PROJECT

 EARTH SCIENCE CURRICULUM PROJECT NEWSLETTER NUMBER 15

 EARTH SCIENCE CURRICULUM PROJECT, BOULDER, COLORADO

 02 00 68

 *CURRICULUM DEVELOPMENT, *EARTH SCIENCE, *SECONDARY SCHOOL SCIENCE,

 CONFERENCES, FILMS, FOREIGN COUNTRIES, INSERVICE EDUCATION, NEWSLETTERS,

 SCIENCE COURSE IMPROVEMENT PROJECT, SUMMER INSTITUTES, UNITED STATES

 OFFICE OF EDUCATION, NATIONAL SCIENCE TEACHERS ASSOCIATION, AMERICAN

 METEOROLOGICAL SOCIETY, 1968
- 21. SE 005 796

 EARTH SCIENCE CURRICULUM PROJECT
 EARTH SCIENCE CURRICULUM PROJECT NEWSLETTER NUMBER 16
 EARTH SCIENCE CURRICULUM PROJECT, BOULDER, COLORADO
 05 00 68

 *CURRICULUM DEVELOPMENT, *EARTH SCIENCE, *SECONDARY SCHOOL SCIENCE,
 CONFERENCES, INSERVICE PROGRAMS, SCIENCE COURSE IMPROVEMENT PROJECT,
 SUMMER INSTITUTES, TEACHER CHARACTERISTICS, COOPERATIVE COLLEGE-SCHOOL
 SCIENCE PROGRAM (CCSSP), SOUTHERN HILLS JUNIOR HIGH SCHOOL, BOULDER,
 COLORADO, NEW HAMPSHIRE, OKLAHOMA, 1968
- 22. SE 005 797

 EARTH SCIENCE CURRICULUM PROJECT
 EARTH SCIENCE CURRICULUM PROJECT TEACHER INFORMATION BULLETIN NUMBER 1

 EARTH SCIENCE CURRICULUM PROJECT, BOULDER, COLORADO

 10 00 67

 *CURRICULUM DEVELOPMENT, *EARTH SCIENCE, *SECONDARY SCHOOL SCIENCE,
 *SCIENCE TEACHERS, NEWSLETTERS, SCIENCE COURSE IMPROVEMENT PROJECT, 1967

ERIC

- 23. SE 005 798

 EARTH SCIENCE CURRICULUM PROJECT
 EARTH SCIENCE CURRICULUM PROJECT TEACHER INFORMATION BULLETIN NUMBER 2
 EARTH SCIENCE CURRICULUM PROJECT, BOULDER, COLORADO
 11 00 67

 *CURRICULUM DEVELOPMENT, *EARTH SCIENCE, *SECONDARY SCHOOL SCIENCE,
 NEWSLETTERS, SCIENCE COURSE IMPROVEMENT PROJECTS, SCIENCE TEACHERS,
 HOUGHTON MIFFLIN COMPANY, 1967
- 24. SE 005 799

 1 18 42 37

 EARTH SCIENCE CURRICULUM PROJECT
 EARTH SCIENCE CURRICULUM PROJECT TEACHER INFORMATION BULLETIN NUMBER 3

 EARTH SCIENCE CURRICULUM PROJECT, BOULDER, COLORADO

 12 00 67

 *CURRICULUM DEVELOPMENT, *EARTH SCIENCE, *SECONDARY SCHOOL SCIENCE,
 NEWSLETTERS, SCIENCE COURSE IMPROVEMENT PROJECT, SCIENCE INSTITUTES,
 SCIENCE TEACHERS, HARVARD PROJECT PHYSICS, 1967
- 25. SE 005 800

 1 18 42 37

 EARTH SCIENCE CURRICULUM PROJECT TEACHER INFORMATION BULLETIN NUMBER 4

 EARTH SCIENCE CURRICULUM PROJECT, BOULDER, COLORADO

 01 00 68

 9

 *CURRICULUM DEVELOPMENT, *EARTH SCIENCE, *SECONDARY SCHOOL SCIENCE,
 NEWSLETTERS, SCIENCE COURSE IMPROVEMENT PROJECT, SCIENCE TEACHERS,
 SUMMER INSTITUTES, NATIONAL CENTER FOR ATMOSPHERIC RESEARCH, 1968
- 26. SE 005 801

 EARTH SCIENCE CURRICULUM PROJECT

 EARTH SCIENCE CURRICULUM PROJECT TEACHER INFORMATION BULLETIN NUMBER 5

 EARTH SCIENCE CURRICULUM PROJECT, BOULDER, COLORADO

 02 00 68

 7

 *CURRICULUM DEVELOPMENT, *EARTH SCIENCE, *SECONDARY SCHOOL SCIENCE,
 CONFERENCES, NEWSLETTERS, SCIENCE COURSE IMPROVEMENT PROJECT, SCIENCE
 TEACHERS, HOUGHTON MIFFLIN COMPANY, 1968
- 27. SE 005 802

 EARTH SCIENCE CURRICULUM PROJECT

 EARTH SCIENCE CURRICULUM PROJECT TEACHER INFORMATION BULLETIN NUMBER 6

 EARTH SCIENCE CURRICULUM PROJECT, BOULDER, COLORADO

 03 00 68

 **CURRICULUM DEVELOPMENT, *EARTH SCIENCE, *SECONDARY SCHOOL SCIENCE,

 **SCIENCE TEACHERS, CONFERENCES, NEWSLETTERS, SCIENCE COURSE IMPROVEMENT

 PROJECT, WORKSHOPS, NATIONAL SCIENCE TEACHERS ASSOCIATION, 1968

28. SE 005 803

EARTH SCIENCE CURRICULUM PROJECT
EARTH SCIENCE CURRICULUM PROJECT TEACHER INFORMATION BULLETIN NUMBER 7
EARTH SCIENCE CURRICULUM PROJECT, BOULDER, COLORADO

04 00 68

*CURRICULUM DEVELOPMENT, *EARTH SCIENCE, *SECONDARY SCHOOL SCIENCE,
*SCIENCE TEACHERS, CONFERENCES, INSERVICE EDUCATION, NEWSLETTERS,
SCIENCE COURSE IMPROVEMENT PROJECT, WORKSHOPS, NATIONAL ASSOCIATION
OF GEOLOGY TEACHERS, JOURNAL OF GEOLOGICAL EDUCATION, 1968

29. SE 005 804

EARTH SCIENCE CURRICULUM PROJECT

EARTH SCIENCE CURRICULUM PROJECT TEACHER INFORMATION BULLETIN NUMBER 8

EARTH SCIENCE CURRICULUM PROJECT, BOULDER, COLORADO

05 00 68

*CURRICULUM DEVELOPMENT, *EARTH SCIENCE, *SECONDARY SCHOOL SCIENCE,
NEWSLETTERS, SCIENCE COURSE IMPROVEMENT PROJECT, SCIENCE TEACHERS,
JOURNAL OF GEOLOGICAL EDUCATION, 1968

30. SE 004 281 1 18 32 33

GOTTLIEB, HERBERT H.

APPARATUS FOR TEACHING PHYSICS

THE PHYSICS TEACHER

02 00 68 4

*PHYSICS, *SECONDARY SCHOOL SCIENCE, *SCIENCE ACTIVITIES, *SCIENCE EQUIPMENT, MOTION, PHYSICAL SCIENCES, RADIOACTIVITY

31. SE 005 906

HALLIWELL, H. F.

CHEMISTRY, INTRODUCTION AND GUIDE

THE NUFFIELD FOUNDATION

LONGMANS/PENGUIN BOOKS, ENGLAND

*CHEMISTRY, *SCIENCE COURSE IMPROVEMENT PROJECT, *SECONDARY SCHOOL SCIENCE,
*TEACHING GUIDES, CURRICULUM DEVELOPMENT, COURSE CONTENT, COURSE DESCRIPTIONS,
*TEACHING GUIDES, CURRICULUM DEVELOPMENT, COURSE CONTENT, COURSE DESCRIPTIONS,
*GRADE 8, INSTRUCTION, INSTRUCTIONAL MATERIALS, INTERNATIONAL EDUCATION, PROGRAM
DESCRIPTIONS, SCIENCE EXPERIMENTS, TEACHING TECHNIQUES, NUFFIELD PROJECT CHEMISTRY,
NUFFIELD FOUNDATION, GREAT BRITAIN

18 22 16

32. SE 005 955 1 18 32 30

HARRIS, JOHN; WATSON, FLETCHER

SOME ASTRONOMY EXPERIMENTS FOR A HIGH SCHOOL PHYSICS COURSE

THE PHYSICS TEACHER

11 00 68 7

*ASTRONOMY, *PHYSICS, *SCIENCE ACTIVITIES, *SECONDARY SCHOOL SCIENCE, EARTH

SCIENCE, HARVARD PROJECT PHYSICS, 1968

33. SE 004 936 1 18 42 32

LEGAARD, KENNETH J.; SVENDSEN, ROBERT G.

A GEOLOGICAL HISTORY MODEL

JOURNAL OF GEOLOGICAL EDUCATION

06 00 68 1

*EARTH SCIENCE, *INSTRUCTIONAL MATERIALS, *SECONDARY SCHOOL SCIENCE,

EVOLUTION, MODELS, SCIENCE ACTIVITIES

34. SE 005 585 3 18 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 \$0.50 HC \$3.05

*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

35. SE 005 586 3 18 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

59

66

*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

36. SE 004 404 1 18 26 20
SLAGG, NORMAN
INDUSTRIAL CHEMISTRY FOR TEACHERS
JOURNAL OF CHEMICAL EDUCATION
02 00 68 6
*CHEMISTRY, *INDUSTRIAL CHEMISTRY, *PHYSICAL CHEMISTRY, DEVELOPMENT,
ELECTROMAGNETIC RADIATION, LIGHT

37. SE 005 691 3
WELCH, WAYNE W.
RESEARCH AND EVALUATION BIBLIOGRAPHY
HARVARD PROJECT PHYSICS
EDRS
ED 025 424 MF \$0.25 HC \$0.36
11 00 68 7

ERIC

*BIBLIOGRAPHIES, *CURRICULUM DEVELOPMENT, *EVALUATION, *PHYSICS, *SECONDARY SCHOOL SCIENCE, RESEARCH, SCIENCE COURSE IMPROVEMENT PROJECT, HARVARD PROJECT PHYSICS

18 32 03

3. MATHEMATICS

- 1. SE 004 880 3 18 09 15

 NEW YORK CITY BOARD OF EDUCATION

 BUSINESS MATHEMATICS FOR HIGH SCHOOLS

 NEW YORK CITY BOARD OF EDUCATION, BROOKLYN

 NEW YORK CITY BOARD OF EDUCATION, 110 LIVINGSTON STREET, BROOKLYN

 EDRS

 ED 022 685 MF \$0.50 HC \$4.10

 02 00 67 80

 *CURRICULUM GUIDES, *BUSINESS EDUCATION, *CURRICULUM DEVELOPMENT, *SECOND-ARY SCHOOL MATHEMATICS, CURRICULUM, NONCOLLEGE PREPARATORY STUDENTS,

 GRADE 10, NEW YORK CITY, NEW YORK
- 2. SE 005 408

 NEW YORK CITY DEPARTMENT OF EDUCATION
 MATHEMATICS, EIGHTH YEAR, PART I
 NEW YORK CITY BOARD OF EDUCATION, BROOKLYN
 NEW YORK DEPT. OF EDUC. 110 LIVINGSTON STREET, BROOKLYN
 EDRS
 ED 023 599
 MF \$0.75
 NOT AVAILABLE IN HARD COPY
 68
 159
 *ARITHMETIC, *INSTRUCTION, *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS,
 *TEACHING GUIDES, ALGEBRA, COURSE CONTENT, CURRICULUM, GEOMETRY, GRADE 8,
 MATHEMATICAL CONCEPTS, NUMBER CONCEPTS
- 3. SE 005 415 3 18 09 29
 RUBINSTEIN, MAX; AND OTHERS
 MATHEMATICS, RESOURCE MATERIAL FOR TEACHERS
 NEW YORK CITY BOARD OF EDUCATION, BROOKLYN
 NEW YORK CITY BOARD OF EDUCATION, 110 LIVINGSTON STREET, BROOKLYN
 EDRS
 ED 022 710 MF \$0.75 NOT AVAILABLE IN HARD COPY
 68 179
 *ARITHMETIC, *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS, *TEACHING
 GUIDES, ALGEBRA, CURRICULUM, INSTRUCTION
- UTAH STATE DEPARTMENT OF PUBLIC INSTRUCTION

 SYLLABUS FOR ADVANCED PLACEMENT MATHEMATICS, GRADE 12

 UTAH STATE DEPARTMENT OF PUBLIC INSTRUCTION, SALT LAKE CITY

 64 43

 *ADVANCED PLACEMENT, *CURRICULUM DEVELOPMENT, *MATHEMATICS, *SECONDARY

 SCHOOL MATHEMATICS, ABLE STUDENTS, ANALYTIC GEOMETRY, BIBLIOGRAPHIES,

 CALCULUS, COURSE CONTENT, EDUCATIONAL OBJECTIVES, EVALUATION, GRADE 12,

 TEACHER CHARACTERISTICS, TEACHER SELECTION, TEXTBOOK SELECTION, TALENT

 IDENTIFICATION, UTAH STATE BOARD OF EDUCATION, 1964

18 09 16

SE 004 284

5. SE 004 447 3 18 09 39
A LIST OF "GIMMICKS" FOR USE WITH JUNIOR HIGH SCHOOL STUDENTS
CENTRAL IOWA LOW-ACHIEVER MATHEMATICS PROJECT, DES MOINES
EDRS

ED 018 389 MF \$0.50 HC \$4.95

11 00 67 97

*INSTRUCTION, *LOW ACHIEVERS, *MATHEMATICS, *RESOURCE MATERIALS, *SECONDARY SCHOOL MATHEMATICS, ARITHMETIC, GRADE 7, GRADE 8, GRADE 9, LEARNING, SLOW LEARNERS

4. GENERAL (SCIENCE AND/OR MATHEMATICS)

1. SE 005 411 3 18 92 15

ANKER, IRVING; LLOYD, HELENE

SCIENCE, EIGHTH YEAR, RESOURCE MATERIAL FOR TEACHERS

NEW YORK CITY BOARD OF EDUCATION, BROOKLYN

NEW YORK CITY BOARD OF EDUCATION, 110 LIVINGSTON STREET, BROOKLYN

EDRS

ED 022 709 MF \$1.75 NOT AVAILABLE IN HARD COPY

06 00 67 403

*CURRICULUM DEVELOPMENT, *INSTRUCTIONAL MATERIALS, *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES, BIOLOGY, CHEMISTRY, EARTH SCIENCE, GRADE 8,

PHYSICS, SCIENCE ACTIVITIES

5. SE 005 587

- 2. SE 004 133 1 18 29 15
 BRUCE, T. C.
 GUIDE FOR TEACHING SCIENCE GRADES 7-12
 SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION, COLUMBIA
 62 181
 *STATE CURRICULUM GUIDES, *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES,
 BIOLOGY, CHEMISTRY, PHYSICS, RESOURCE MATERIALS
- 3. SE 005 997 2 18 72 17
 BURACK, SOLOMON
 ANCILLARY JEWISH EDUCATION MATERIALS FARALLELING GRADE 7-9 SCIENCE COURSE
 YESHIVA UNIVERSITY
 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 67 266
 *INTERDISCIPLINARY APPROACH, *SECONDARY SCHOOL SCIENCE, DOCTORAL THESES,
 GENERAL EDUCATION, GRADE 7, GRADE 8, GRADE 9, RESEARCH REPORTS, SCIENCE
 COURSES, 1967, JEWISH EDUCATION MATERIALS
- 4. SE 004 238 3 18 92 16

 MAHLER, FRED
 LIFE AND EARTH SCIENCE, JUNIOR HIGH SCHOOL
 SAM HOUSTON STATE COLLEGE, HUNTSVILLE, TEXAS
 EDRS
 ED 017 472 MF \$2.50 HC \$30.90
 05 00 67 616
 *BIOLOGY, *CURRICULUM GUIDES, *EARTH SCIENCE, *EVALUATION, *GRADE 7, *GRADE 8, PROBLEM SOLVING, SECONDARY SCHOOL SCIENCE, TEXAS
- 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

18 72 15

6. SE 004 829

NATIONAL SCIENCE TEACHERS ASSOCIATION

IDEAS FOR TEACHING SCIENCE IN THE JUNIOR HIGH SCHOOL

NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTON, D.C.

NEA PUBLICATIONS, 1201 SIXTEENTH STREET, N.W., WASHINGTON, D.C.

EDRS

ED 021 747 MF \$1.00 NOT AVAILABLE IN HARD COPY

*BIOLOGICAL SCIENCES, *EARTH SCIENCE, *PHYSICAL SCIENCES, *SECONDARY SCHOOL SCIENCE, *SCIENCE ACTIVITIES, AUDIOVISUAL AIDS, ACADEMIC ACHIEVE-MENT, INDEPENDENT STUDY, RESOURCE MATERIALS, SCIENCE EQUIPMENT, SCIENCE MATERIALS, STUDENT INTERESTS, TEACHING TECHNIQUES, UNIFIED SCIENCE, SCIENCE UNITS

- 7. SE 004 666 1 18 92 03

 PANUSH, LOUIS

 NEW BOOKS FOR THE HIGH SCHOOL SCIENCE SHELF, TENTH SERIES: 1967 PART I

 SCHOOL SCIENCE AND MATHEMATICS

 05 00 68 22

 *ANNOTATED BIBLIOGRAPHIES, *BIOLOGY, *INSTRUCTIONAL MATERIALS, *PHYSICAL

 SCIENCES, *REFERENCE BOOKS, ANTHROPOLOGY, BOTANY, BIOGRAPHIES, BIOCHEMISTRY,

 CYTOLOGY, CONSERVATION, SECONDARY SCHOOL SCIENCE, SPACE SCIENCE, ZOOLOGY,

 EVOLUTION
- 8. SE 004 553 1 18 28 20
 THOMPSON, PETER
 A STYLE MANUAL FOR LABORATORY REPORTS
 SANTA FE PREPARATORY SCHOOL, SANTA FE, NEW MEXICO
 68 15
 *SECONDARY SCHOOL SCIENCE, *TECHNICAL WRITING, *WRITING SKILLS, INSTRUCTIONAL MATERIALS, MANUALS, STYLE MANUALS
- 9. SE 004 581 3 18 95 03
 BIBLIOGRAPHY OF SCIENCE COURSES OF STUDY AND TEXTBOOKS, GRADES 7-12
 NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTON, D.C.
 NEA PUBLICATIONS SALES, 1201 SIXTEENTH STREET, N.W., WASHINGTON, D.C.
 EDRS
 ED 019 250 MF \$0.50 NOT AVAILABLE IN HARD COPY

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

- 10. SE 004 564

 DRAFT STATEMENTS ON CRITICAL ISSUES CONFRONTING THE SCIENCE TEACHING PROFESSION

 NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTON, D.C.

 02 00 68

 *LABORATORY SAFETY, *OUTDOOR EDUCATION, *PROFESSIONAL ASSOCIATIONS, *POLICY, *SECONDARY SCHOOL SCIENCE, CONSERVATION EDUCATION, FIELD TRIPS, NATURAL RESOURCES, SCIENCE FAIRS, SEX EDUCATION
- 11. SE 005 624 2 18 92 35

 SYLLABUS IN SCIENCE

 NEW GUINEA DEPARTMENT OF EDUCATION, KONEDOBU

 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, KONEDOBU, PAPUA, NEW GUINEA, 1967

C. COLLEGE EDUCATION

1. BIOLOGICAL SCIENCES

- 1. SE 005 816 1 18 13 30
 CAPON, BRIAN; CAPLIN, SAMUEL M.
 A LIBRARY RESEARCH PROJECT FOR FRESHMAN BIOLOGY STUDENTS
 THE AMERICAN BIOLOGY TEACHER
 10 00 68 3
 *BIOLOGY, *COLLEGE SCIENCE, *LIBRARY RESEARCH, *SCIENCE ACTIVITIES,
 EDUCATIONAL OBJECTIVES, RESEARCH METHODOLOGY, STUDENT RESEARCH, UNDERGRADUATE STUDY, BIOLOGICAL ABSTRACTS, CHEMICAL ABSTRACTS, BIOLOGICAL
 AND AGRICULTURAL INDEX, BOTANY SUBJECT INDEX
- 2. SE 005 310 1 18 13 32

 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES

 CUEBS NEWS, VOLUME II, NUMBER 1

 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES,

 WASHINGTON, D.C.

 10 00 65 8

 *BIOLOGY, *COLLEGE SCIENCE, *PROFESSIONAL ASSOCIATIONS, *UNDERGRADUATE

 EDUCATION, CURRICULUM, GENERAL EDUCATION, INSTRUCTIONAL MATERIALS,

 NEWSLETTERS, RESOURCE MATERIALS
- 3. SE 005 309 1 18 13 32
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES
 CUEBS NEWS, VOLUME II, NUMBER 2
 COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES,
 WASHINGTON, D.C.
 12 00 65 16
 *BIOLOGY, *COLLEGE SCIENCE, *PROFESSIONAL ASSOCIATIONS, *UNDERGRADUATE
 EDUCATION, ENROLLMENT TRENDS, INSTRUCTION, JUNIOR COLLEGES, NEWSLETTERS,
 RESOURCE MATERIAL, TESTING
- 4. SE 004 094 2 18 95 11

 KAY, R. H.

 EXPERIMENTAL BIOLOGY MEASUREMENT AND ANALYSIS

 REINHOLD PUBLISHING CORPORATION, NEW YORK, NEW YORK

 64 416

 *BIOLOGY, *INSTRUMENTATION, *LABORATORY TECHNIQUES, *MEASUREMENT, BOTANY, BIOCHEMISTRY, BIOPHYSICS, COLLEGE SCIENCE, CHEMISTRY, ECOLOGY, PHYSICS, PHYSIOLOGY, PUBLIC HEALTH, RESOURCE MATERIALS, SECONDARY SCHOOL SCIENCE, TEXTBOOKS, ZOOLOGY
- 5. SE 005 698 1 18 93 20
 TOOLS AND TECHNIQUES FOR THE MARINE BIOLOGIST
 BIOSCIENCE
 10 00 68 17
 *COLLEGE SCIENCE, *MEASUREMENT INSTRUMENTS, *MARINE BIOLOGY, *SCIENCE EQUIPMENT, BIOLOGY, EARTH SCIENCE, OCEANOLOGY, RESEARCH TECHNIQUES, SCIENTIFIC RESEARCH

2. PHYSICAL SCIENCES AND EARTH SCIENCES

- 1. SE 005 057

 ADVISORY COUNCIL ON COLLEGE CHEMISTRY

 NEWSLETTER NUMBER 8

 ADVISORY COUNCIL ON COLLEGE CHEMISTRY, PALO ALTO, CALIFORNIA

 03 00 67

 *COLLEGE SCIENCE, *CHEMISTRY, *CONFERENCE REPORTS, ELECTROCHEMISTRY,

 FILMS, FILM LOOPS, NEWSLETTERS, TEACHING AIDS, UNDERGRADUATE STUDY,

 TEACHING TECHNIQUES
- 2. SE 004 407 1 18 33 20

 ANGELICI, ROBERT J.

 PREPARATION AND CHARACTERIZATION OF MESITYLENE TRICARBONYL MOLYBDENUM (o)

 JOURNAL OF CHEMICAL EDUCATION

 02 00 68 2

 *COLLEGE SCIENCE, *CHEMISTRY, *LABORATORY, *ORGANIC CHEMISTRY, *SCIENCE

 EXPERIMENTS, PHYSICAL SCIENCES, SCIENCE ACTIVITIES, MESITYLENE TRICARBONYL
- 3. SE 005 961 1 18 33 20

 BAKER, D. J., JR.

 DEMONSTRATIONS OF FLUID FLOW IN A ROTATING SYSTEM II: THE "SPIN-UP"

 PROBLEM

 AMERICAN JOURNAL OF PHYSICS

 11 00 68 7

 *COLLEGE SCIENCE, *PHYSICS, *SCIENCE ACTIVITIES, FLUID FLOW, INSTRUCTIONAL

 MATERIALS, LABORATORY EXPERIMENTS, MATHEMATICS, UNDERGRADUATE STUDY
- 4. SE 004 786 1 18 33 20

 BALESHTA, T. M.; KEYS, J. D.

 SINGLE ELECTROMETER METHOD OF MEASURING TRANSPORT PROPERTIES OF HIGHRESISTIVITY SEMICONDUCTORS
 AMERICAN JOURNAL OF PHYSICS
 01 00 68 4

 *ELECTRICAL CONDUCTIVITY, *COLLEGE SCIENCE, *ELECTRONICS, *ELECTRICITY,
 *LABORATORY TECHNIQUES, *PHYSICS, PHYSICAL SCIENCES
- 5. SE 004 409 1 18 33 20

 BAUMGARTEN, RONALD J.

 SUBSTITUTION PRODUCTS IN THE HOFMANN ELIMINATION

 JOURNAL OF CHEMICAL EDUCATION

 02 00 68 1

 *COLLEGE SCIENCE, *CHEMISTRY, *INSTRUCTIONAL MATERIALS, *ORGANIC CHEMISTRY,

 *TEXTBOOK ERRORS, PHYSICAL SCIENCES, TEXTBOOKS, HOFMANN ELIMINATION

6. SE 005 834 1 18 23 39
BIBLER, NED E.
THE RADIOLYSIS OF AIR-SATURATED SOLUTIONS OF IODINE
JOURNAL OF CHEMICAL EDUCATION
11 00 68 3
**CHEMISTRY, **COLLEGE SCIENCE, *INSTRUCTIONAL MATERIALS, CHEMICAL ANALYSIS,
CHEMICAL REACTIONS, LABORATORY PROCEDURES, RADIOACTIVITY, SCIENCE
EXPERIMENTS, IODINE

7. SE 004 007 1 18 23 30
BOOBYER, GLYNNE J.; COX, A. PETER
C-H BOND STRENGTHS - A PHYSICAL CHEMISTRY EXPERIMENT
JOURNAL OF CHEMICAL EDUCATION
01 00 68 3
*COLLEGE SCIENCE, *CHEMISTRY, *CHEMICAL BONDING, *PHYSICAL CHEMISTRY,
*SCIENCE ACTIVITIES, *SCIENCE EXPERIMENTS, ORGANIC CHEMISTRY

8. SE 004 710 1 18 33 03
BRILL, DIETER R.; PERISHO, ROBERT C.
RESOURCE LETTER GR-1 ON GENERAL RELATIVITY
AMERICAN JOURNAL OF PHYSICS
02 00 68 8
*BIBLIOGRAPHIES, *COLLEGE SCIENCE, *PHYSICS, *RELATIVITY, MOTION, PHYSICAL SCIENCES, SCIENTIFIC RESEARCH

9. SE 004 661 1 18 23 20
BUMGARDNER, CARL L.; WAHL, GEORGE H.
FRAMEWORK MOLECULAR MODELS TO ILLUSTRATE LINNET'S DOUBLE QUARTET THEORY
JOURNAL OF CHEMICAL EDUCATION
05 00 68 1
*COLLEGE SCIENCE, *CHEMISTRY, *INSTRUCTIONAL MATERIALS, MOLECULAR MODELS,
PHYSICAL SCIENCES, TEACHING TECHNIQUES

10. SE 004 758 1 18 33 30
BURGE, E. J.; AND OTHERS
OPTIMUM DESIGN OF STUDENT EXPERIMENTS ON RUTHERFORD SCATTERING
AMERICAN JOURNAL OF PHYSICS
04 00 68 11
*COLLEGE SCIENCE, *NUCLEAR PHYSICS, *PHYSICS, *SCIENCE ACTIVITIES,
LABORATORY EXPERIMENTS, SCIENCE EXPERIMENTS, RUTHERFORD SCATTERING

11. SE 004 402 1 18 23 30

CANGLISH, JOHN K.

SIMPLE CONSTRUCTION TO DETERMINE PROTEIN MOLECULAR WEIGHTS BY THE

OSMOTIC PRESSURE METHOD

JOURNAL OF CHEMICAL EDUCATION

02 00 68 1

*COLLEGE SCIENCE, *CHEMISTRY, *LABORATORY TECHNIQUES, MOLECULAR WEIGHT,
PHYSICAL CHEMISTRY, PROTEINS, SCIENCE ACTIVITIES, OSMOTIC PRESSURE METHOD

ERIC

12. SE 005 635 1 18 33 32

COMMISSION ON COLLEGE PHYSICS

NEWSLETTER, NUMBER 17

COMMISSION ON COLLEGE PHYSICS, UNIVERSITY OF MARYLAND, COLLEGE PARK

10 00 68 12

*COLLEGE SCIENCE, *LABORATORY COURSES, *PHYSICS, *SCIENCE COURSE IMPROVEMENT
PROJECT, CONSULTANTS, CURRICULUM DEVELOPMENT, FILMS, NEWSLETTERS, COMMISSION

ON COLLEGE PHYSICS, PHYSICAL SCIENCE FOR NONSCIENCE STUDENTS, 1968

13. SE 004 408 1 18 33 20
COVER, RICHARD E.
THE IDENTIFICATION OF VEGETABLE OILS
JOURNAL OF CHEMICAL EDUCATION
02 00 68 2
*COLLEGE SCIENCE, *CHEMISTRY, *GAS CHROMATOGRAPHY, *SCIENCE EXPERIMENTS,
LABORATORY EXPERIMENTS, ORGANIC CHEMISTRY, SCIENCE ACTIVITIES, VEGETABLE OILS

14. SE 005 835 1 18 23 39
CROOKS, J. E.; BULMER, R. S.
KINETICS FROM POLAROGRAPHY - AN EXPERIMENT FOR THE TEACHING LABORATORY
JOURNAL OF CHEMICAL EDUCATION
11 00 68 3
**CHEMISTRY, *COLLEGE SCIENCE, *LABORATORY INVESTIGATIONS, CHEMICAL REACTIONS,
LABORATORY PROCEDURES, SCIENCE ACTIVITIES, POLAROGRAPHY

15. SE 005 314 1 06 33 23
DALTON, ROBERT H.
SEALING WITH SOLDER GLASS
COMMISSION ON COLLEGE PHYSICS, UNIVERSITY OF MARYLAND, COLLEGE PARK
03 00 63 4
*COLLEGE SCIENCE, *PHYSICS, HEAT, LABORATORY TECHNIQUES, SCIENCE EQUIPMENT

16. SE 004 110 1 18 43 30
ELDERS, WILFRED
PHASE CHANGE EXPERIMENTS FOR INTRODUCTORY COURSES
JOURNAL OF GEOLOGICAL EDUCATION
12 00 67 3
*COLLEGE SCIENCE, *EARTH SCIENCE, *GEOLOGY, LABORATORY EXPERIMENTS,
MATTER, PHYSICAL CHEMISTRY, PHYSICAL SCIENCES, SCIENCE ACTIVITIES,
SCIENCE EXPERIMENTS

17. SE 004 400 1 18 23 30
EVANS, DENNIS H.
COULOMETRIC TITRATION OF CYCLOHEXENE WITH BROMINE
JOURNAL OF CHEMICAL EDUCATION
02 00 68 3
*CHEMISTRY, *COLLEGE SCIENCE, *TITRATION, LABORATORY TECHNIQUES, SCIENCE
ACTIVITIES, UNDERGRADUATE STUDY, CYCLOHEXENE, BROMINE

18. SE 005 739

EVANS, JAMES S.

VERIFICATION OF THE FORM OF THE NERNST EQUATION - AN EXPERIMENT FOR

INTRODUCTORY CHEMISTRY

JOURNAL OF CHEMICAL EDUCATION

08 00 68

2

*CHEMISTRY, *COLLEGE SCIENCE, *LABORATORY EXPERIMENTS, *SCIENCE ACTIVITIES,

UNDERGRADUATE STUDY, NERNST EQUATION

19. SE 002 670

EWING, GALEN W.

TOPICS IN CHEMICAL INSTRUMENTATION

JOURNAL OF CHEMICAL EDUCATION

06 00 67

**COLLEGE SCIENCE, *CHEMISTRY, *INSTRUMENTATION, MEASUREMENT, *PHYSICAL CHEMISTRY, *RESEARCH, *SCIENCE EQUIPMENT, SCIENCE ACTIVITIES, X-RAY DIFFRACTION, X-RAY DIFFRACTION ANALYSIS, ATOMIC ENERGY COMMISSION

20. SE 005 729 1 18 25 20

EWING, GALEN W.

TOPICS IN CHEMICAL INSTRUMENTATION

JOURNAL OF CHEMICAL EDUCATION

08 00 68 10

*CHEMISTRY, *LABORATORY EQUIPMENT, *MEASUREMENT, COLLEGE SCIENCE,
INDUSTRY, *INSTRUMENTATION, SCIENTIFIC RESEARCH, SCIENCE EQUIPMENT

21. SE 005 965
2 18 33 22

FOWLER, JOHN M.

PROGRESS REPORT OF THE COMMISSION ON COLLEGE PHYSICS FOR 1966-1968

AMERICAN JOURNAL OF PHYSICS

11 00 68 33

*COLLEGE SCIENCE, *INSTRUCTION, *INSTRUCTIONAL MATERIALS, *PHYSICS,

AUDIOVISUAL AIDS, CURRICULUM DEVELOPMENT, COMPUTER ASSISTED INSTRUCTION,

INSTRUCTIONAL FILMS, INSERVICE EDUCATION, NEWSLETTERS, PROGRAMED INSTRUCTION, PHYSICS TEACHERS, TEACHING PROCEDURES, TEACHER EDUCATION, COMMISSION ON COLLEGE PHYSICS

22. SE 004 487

FOX, J. N.

EXPERIMENT TO DETERMINE THE RELATION BETWEEN FORCE AND POTENTIAL ENERGY

AMERICAN JOURNAL OF PHYSICS

09 00 67

*COLLEGE SCIENCE, *FORCES, *LABORATORY EXPERIMENTS, *MECHANICS, *PHYSICS,

*POTENTIAL ENERGY, ENERGY, PHYSICAL SCIENCES, SCIENCE ACTIVITIES, SCIENCE

EXPERIMENTS, UNDERGRADUATE STUDY

A.

24. SE 004 401 1 18 23 20

FRATIELLO, ANTHONY; SCHUSTER, RONALD E.
A PROTON MAGNETIC RESONANCE COORDINATION NUMBER STUDY

JOURNAL OF CHEMICAL EDUCATION
02 00 68 3

*COLLEGE SCIENCE, *CHEMISTRY, *PHYSICAL CHEMISTRY, *SCIENCE ACTIVITIES,
SCIENCE EXPERIMENTS, PROTONS, MAGNETIC RESONANCE

25. SE 004 775 1 18 33 03

FRIEDLANDER, M. W.

RESOURCE LETTER NPE-1 ON NUCLEAR PHOTOGRAPHIC EMULSIONS

AMERICAN JOURNAL OF PHYSICS

12 00 67 8

*BIBLIOGRAPHIES, *COLLEGE SCIENCE, *NUCLEAR PHYSICS, *PHYSICS, *PHOTOGRAPHY, LABORATORY TECHNIQUES, RADIOACTIVITY, SCIENCE EQUIPMENT, SCIENCE MATERIALS, NATIONAL SCIENCE FOUNDATION

26. SE 004 785 1 17 53 30

FUGITT, B. R.; RUPAAL, A. S.

RAMAN SPECTROSCOPY EXPERIMENT FOR THE SENIOR LABORATORY

AMERICAN JOURNAL OF PHYSICS

01 00 68 7

*COLLEGE SCIENCE, *SPECTROSCOPY, CHEMISTRY, INSTRUCTIONAL MATERIALS,

MATHEMATICS, PHYSICS, SCIENCE ACTIVITIES, SCIENCE EXPERIMENTS, STUDENT

INVESTIGATIONS, RAMAN EFFECT

27. SE 004 787 1 18 33 20

GEORGE, S.

HYPERFINE STRUCTURE IN BISMUTH - AN EXPERIMENT

AMERICAN JOURNAL OF PHYSICS

01 00 68 3

*COLLEGE SCIENCE, *PHYSICS, *SCIENCE EQUIPMENT, *SCIENCE EXPERIMENTS,

*SPECTROSCOPY, ATOMIC SPECTRA, GRADUATE STUDY, LIGHT, PHYSICAL SCIENCES,

SCIENCE ACTIVITIES

28. SE 005 941 1 18 23 20

GRISWOLD, ROBERT; HAUGH, JOHN F.

ANALOG COMPUTER SIMULATION

JOURNAL OF CHEMICAL EDUCATION

09 00 68 5

*CURRICULUM DEVELOPMENT, *COLLEGE SCIENCE, *COMPUTERS, *CHEMISTRY,

*SCIENCE ACTIVITIES, SIMULATION

18 23 20

HANCOCK, J. E. H. AN INTRODUCTION TO THE LITERATURE OF ORGANIC CHEMISTRY, PART I, CLASSES 1-12

JOURNAL OF CHEMICAL EDUCATION

29. SE 004 275

03 00 68 7 *CHEMISTRY, *COLLEGE SCIENCE, *BIBLIOGRAPHIES, *ORGANIC CHEMISTRY, INDEXES

- 1 18 23 20 30. SE 004 425 HANCOCK, J. E. H. AN INTRODUCTION TO THE LITERATURE OF ORGANIC CHEMISTRY, PART II JOURNAL OF CHEMICAL EDUCATION 03 00 68 7 *BIBLIOGRAPHIES, *COLLEGE SCIENCE, *CHEMISTRY, *ORGANIC CHEMISTRY
- 18 33 30 31. SE 004 790 HART, JOHN B.; HERRMANN, ROBERT B. ENERGY TRANSFER IN ONE-DIMENSIONAL COLLISIONS OF MANY OBJECTS AMERICAN JOURNAL OF PHYSICS 01 00 68 *COLLEGE SCIENCE, *MECHANICS, *PHYSICS, COMPUTER ASSISTED INSTRUCTION, ENERGY, MOMENTUM, PHYSICAL SCIENCES, SCIENCE ACTIVITIES, SCIENCE DEMON-STRATIONS
- 18 23 38 SE 005 742 32. HENDRICKSON, H. STEWART; SRERE, PAUL A. MOLECULAR MODELS OF METAL CHELATES TO ILLUSTRATE ENZYMATIC REACTIONS JOURNAL OF CHEMICAL EDUCATION 08 00 68 *AUDIOVISUAL AIDS, *CHEMISTRY, *COLLEGE SCIENCE, *INSTRUCTIONAL MATERIALS, *ORGANIC CHEMISTRY, *SCIENCE MATERIALS, CHEMICAL BONDING, MOLECULAR MODELS, MODELS (DEMONSTRATIONS), MODELS (SCIENCE)
- 18 23 20 33. SE 004 186 JENKINS, E. W. THE DISCOVERY OF POLYTHENE - A CASE HISTORY SCHOOL SCIENCE AND MATHEMATICS 02 00 68 6 *CHEMISTRY, *COLLEGE SCIENCE, CASE HISTORIES, SCIENCE HISTORY, INSTRUCTION, ORGANIC CHEMISTRY
- 18 23 20 1 SE 004 800 34. JONES, JERRY L. PRECIPITATION FROM MIXED SOLVENTS, A DEMONSTRATION JOURNAL OF CHEMICAL EDUCATION 2 *COLLEGE SCIENCE, *CHEMISTRY, PRECIPITATION, SCIENCE ACTIVITIES, SOLUTIONS

SE 004 414 1 18 23 30

KAUFFMAN, GEORGE B.; AND OTHERS

PSEUDOHALOGENS, A GENERAL CHEMISTRY LABORATORY EXPERIMENT
JOURNAL OF CHEMICAL EDUCATION
02 00 68 6

*COLLEGE SCIENCE, *CHEMISTRY, *SCIENCE ACTIVITIES, BIBLIOGRAPHIES,
QUALITATIVE ANALYSIS, SCIENCE EXPERIMENTS, UNDERGRADUATE STUDY,
HALOGINOID, CYANOGEN

36. SE 004 776

KENTY, CARL

THE CALOROTOR - A SIMPLE HEAT ENGINE WITH WHICH THE MOTION OF INDIVIDUAL MOLECULES MAY BE DEMONSTRATED

AMERICAN JOURNAL OF PHYSICS

12 00 67

*COLLEGE SCIENCE, *HEAT, *PHYSICS, *SCIENCE ACTIVITIES, *SCIENCE EQUIPMENT, MOLECULES, MOLECULAR MOTION, PHYSICAL SCIENCES, SCIENCE DEMONSTRATIONS, CALOROTOR, MANOMETER

XILNER, M.; SMITH, J. M.

D⁸ ENERGY LEVEL DIAGRAM, AN EXPERIMENT FOR ADVANCED STUDENTS
JOURNAL OF CHEMICAL EDUCATION
02 00 68 4

*COLLEGE SCIENCE, *CHEMISTRY, *CHEMICAL BONDING, *ENERGY, *SCIENCE
EXPERIMENTS, INORGANIC CHEMISTRY, LABORATORY EXPERIMENTS, SCIENCE
ACTIVITIES, UNDERGRADUATE STUDY

38. SE 004 427 1 18 23 30

LANES, ROSE M.; LEE, DONALD G.

CHROMIC ACID OXIDATION OF ALCOHOLS, A SIMPLE EXPERIMENT ON REACTION RATES
JOURNAL OF CHEMICAL EDUCATION
04 00 68 3

*COLLEGE SCIENCE, *CHEMISTRY, *REACTION RATES, *SCIENCE ACTIVITIES,
ALCOHOL, OXIDATION, ORGANIC CHEMISTRY, PHYSICAL CHEMISTRY, SCIENCE
EXPERIMENTS, CHROMIC ACID

39. SE 004 712 1 18 33 30

MERRILL, JOHN R.

SECOND-SOUND EXPERIMENT FOR ADVANCED LABORATORIES

AMERICAN JOURNAL OF PHYSICS

02 00 68 3

*COLLEGE SCIENCE, *LABORATORY EXPERIMENTS, *PHYSICS, *SCIENCE ACTIVITIES,

SOUND, SCIENCE EXPERIMENTS, UNDERGRADUATE STUDY

40. SE 004 711 1 18 33 20

MERRILL, JOHN R.

TYPE II SUPERCONDUCTIVITY EXPERIMENT

AMERICAN JOURNAL OF PHYSICS

02 00 68 4

*COLLEGE SCIENCE, *GRADUATE STUDY, *PHYSICS, *SCIENCE EXPERIMENTS,

LABORATORY EXPERIMENTS, SCIENCE ACTIVITIES, SUPERCONDUCTIVITY

41. SE 004 777

1 18 33 30

MULDAWER, L.; MEINERS, H. F.

NEW ACOUSTIC DOPPLER-SHIFT EXPERIMENTS

AMERICAN JOURNAL OF PHYSICS

12 00 67

*ACOUSTICS, *COLLEGE SCIENCE, *SCIENCE EQUIPMENT, *SCIENCE LABORATORY EXPERIMENTS, PHYSICAL SCIENCES, PHYSICS, SCIENCE

*ACOUSTICS, *COLLEGE SCIENCE, *SCIENCE EQUIPMENT, *SCIENCE ACTIVITIES,
LABORATORY EXPERIMENTS, PHYSICAL SCIENCES, PHYSICS, SCIENCE EXPERIMENTS,
WAVE PHENOMENA, NATIONAL SCIENCE FOUNDATION, DOPPLER SHIFT

42. SE 004 276 1 18 23 20

MUSKER, W. KENNETH

TEXTBOOK ERRORS - NITROGEN YLIDES FROM TETRAMETHYLAMMONIUM SALTS

JOURNAL OF CHEMICAL EDUCATION

03 00 68 3

*COLLEGE SCIENCE, *CHEMISTRY, *INSTRUCTIONAL MATERIALS, *TEXTBOOK ERRORS,

ORGANIC CHEMISTRY, PHYSICAL SCIENCES, NITROGEN YLIDES, TETRAMETHYLAMMONIUM

SALTS

43. SE 004 016 1 18 23 30

NEIDIG, H. A.; AND OTHERS

THE CHEMISTRY OF ORTHOPHOSPHORIC ACID AND ITS SODIUM SALTS

JOURNAL OF CHEMICAL EDUCATION

01 00 68 6

*ACIDS, *COLLEGE SCIENCE, *CHEMISTRY, *SCIENCE ACTIVITIES, INORGANIC
CHEMISTRY, SALTS, STOICHIOMETRY, THERMODYNAMICS, NATIONAL SCIENCE FOUNDATION

44. SE 004 485 1 18 33 30

PEEK, THOMAS H.; AND OTHERS

AXIAL MODE NUMBER OF GAS LASERS FROM MOVING-MIRROR EXPERIMENTS

AMERICAN JOURNAL OF PHYSICS

09 00 67 12

*COLLEGE SCIENCE, *LASERS, *PHYSICAL SCIENCES, *PHYSICS, *SCIENCE

DEMONSTRATIONS, LABORATORY EXPERIMENTS

45. SE 004 015

SAMPLE, THOMAS E., JR.; HATCH, LEWIS F.

3-SULFOLENE - A BUTADIENE SOURCE FOR A DIELS-ALDER SYNTHESIS

JOURNAL OF CHEMICAL EDUCATION

01 00 68

2

*COLLEGE SCIENCE, *CHEMISTRY, *LABORATORY EXPERIMENTS, *ORGANIC CHEMISTRY,

*ORGANIC SYNTHESIS, *SCIENCE ACTIVITIES, SCIENCE EXPERIMENTS

46. SE 004 274 1 18 23 20

SCHRIER, EUGENE E.

INTERMOLECULAR ASSOCIATION BY VAPOR PRESSURE OSMOMETRY - A PHYSICAL

CHEMISTRY EXPERIMENT

JOURNAL OF CHEMICAL EDUCATION

03 00 68 5

*COLLEGE SCIENCE, *CHEMISTRY, *OSMOMETRY, ATOMIC THEORY, MOLECULAR

STRUCTURE, PHYSICAL SCIENCES, PHYSICAL CHEMISTRY, SCIENCE ACTIVITIES,

SCIENCE EXPERIMENTS

47. SE 004 230 3 18 46 29

SMITH, FOSTER D., JR.; AND OTHERS
DEVELOPING A COORDINATED INFORMATION PROGRAM FOR GEOLOGICAL SCIENTISTS
IN THE UNITED STATES
AMERICAN GEOLOGICAL INSTITUTE, WASHINGTON, D.C.
EDRS
ED 018 370 MF \$0.25 HC \$2.90
12 00 67 56
*EARTH SCIENCE, *INFORMATION DISSEMINATION, *INFORMATION RETRIEVAL,
*INFORMATION SYSTEMS, INFORMATION STORAGE, INFORMATION SOURCES, PROGRAM DESCRIPTIONS, NATIONAL SCIENCE FOUNDATION, AMERICAN GEOLOGICAL INSTITUTE

48. SE 004 405 1 18 33 20

SMITH, ROBERT B.

FACTORIAL DESIGN IN UNDERGRADUATE ORGANIC EXPERIMENTS

JOURNAL OF CHEMICAL EDUCATION

02 00 68 3

*COLLEGE SCIENCE, *CHEMISTRY, *FACTORIAL DESIGN, *ORGANIC CHEMISTRY,

*SCIENCE EXPERIMENTS, LABORATORY EXPERIMENTS, PHYSICAL SCIENCES,

UNDERGRADUATE STUDY

49. SE 004 757 1 18 33 30

STAJDOHAR, RALPH E.; TOWLE, LAIRD C.

HIGH PRESSURE VISCOSITY EXPERIMENT FOR THE UNDERGRADUATE LABORATORY

AMERICAN JOURNAL OF PHYSICS

04 00 68 5

*COLLEGE SCIENCE, *PHYSICS, *SCIENCE ACTIVITIES, LABORATORY EXPERIMENTS,

LIQUIDS, MATTER, SCIENCE EXPERIMENTS, UNDERGRADUATE STUDY, VISCOSITY

50. SE 005 704 1 18 33 30

TELFAIR, DAVID

OUT-OF-THE LABORATORY EXPERIMENTS IN SKY OBSERVING AND TIME MEASUREMENTS

THE PHYSICS TEACHER

10 00 68 6

*ASTRONOMY, *COLLEGE SCIENCE, *PHYSICS, *SCIENCE ACTIVITIES, EARTH SCIENCE,

INSTRUCTION, INSTRUCTIONAL MATERIALS, MEASUREMENT

51. SE 002 083

TOREN, E. CLIFFORD, JR.

DETERMINATION OF GLUCOSE - A KINETICS EXPERIMENT FOR THE ANALYTICAL COURSE

JOURNAL OF CHEMICAL EDUCATION

03 00 67

*COLLEGE SCIENCE, *CHEMISTRY, *GLUCOSE, *ORGANIC CHEMISTRY, *SCIENCE

ACTIVITIES, ANALYTICAL TECHNIQUES, TEACHER RESOURCE MATERIALS

52. SE 005 962 1 18 33 30
TREADO, PAUL A.; LAMBERT, JAMES M.
ELEMENTARY NUCLEAR PHYSICS WITH A VAN DE GRAAFF ACCELERATOR
AMERICAN JOURNAL OF PHYSICS
11 00 68 7
*COLLEGE SCIENCE, *LABORATORY EXPERIMENTS, *PHYSICS, *SCIENCE EQUIPMENT,
*SCIENCE ACTIVITIES, ACCELERATORS, NUCLEAR PHYSICS, VAN DE GRAAFF ACCELERATOR

53. SE 004 794

VEIT, J. J.; LINDSAY, R. H.

USE OF A NEUTRON GENERATOR IN AN UNDERGRADUATE LABORATORY

AMERICAN JOURNAL OF PHYSICS

05 00 68

9

*COLLEGE SCIENCE, *NUCLEAR PHYSICS, *PHYSICS, *SCIENCE EQUIPMENT, *UNDERGRADUATE STUDY, LABORATORY EXPERIMENTS, LABORATORY TECHNIQUES, PHYSICAL SCIENCES, SCIENCE ACTIVITIES, NEUTRON GENERATOR

54. SE 004 399 1 18 98 20

WEINBERG, ALVIN M.

THE TWO FACES OF SCIENCE

JOURNAL OF CHEMICAL EDUCATION

02 00 68 4

*COLLEGE SCIENCE, *EDUCATIONAL OBJECTIVES, *INQUIRY, *PHYSICS, *SCIENCE EDUCATION, *SCIENTIFIC CONCEPTS, BIOLOGY, COLLEGES, CHEMISTRY

55. SE 005 740 1 18 23 30

WORLEY, JOHN D.; FUSSARO, DAVID R.

CALCULATION OF ACTIVITY COEFFICIENTS FROM SPECTROSCOPIC DATA - A PHYSICAL CHEMISTRY EXPERIMENT

JOURNAL OF CHEMICAL EDUCATION

08 00 68 2

*COLLEGE SCIENCE, *CHEMISTRY, *CHEMICAL ANALYSIS, *INSTRUMENTAL TECHNIQUES, *LABORATORY ACTIVITIES, ORGANIC CHEMISTRY, PHYSICAL CHEMISTRY, SCIENCE ACTIVITIES, SPECTROGRAPHIC ANALYSIS

56. SE 005 831 1 18 23 30

YAMANASHI, BILL S.; NOWAK, ANDREW V.

RECOMBINATION OF IODINE VIA FLASH PHOTOLYSIS

JOURNAL OF CHEMICAL EDUCATION

11 CO 68 6

*COLLEGE SCIENCE, *LABORATORY EXPERIMENTS, *SCIENCE ACTIVITIES, *CHEMISTRY,

CHEMICAL KINETICS, CHEMICAL REACTIONS, PHYSICAL CHEMISTRY, IODINE

57. SE 004 422 1 18 23 04
INDUSTRIAL CHEMISTRY BOOKLIST
JOURNAL OF CHEMICAL EDUCATION
04 00 68 1
*APPLIED CHEMISTRY, *BIBLIOGRAPHIES, *COLLEGE SCIENCE, *CHEMISTRY, CAREERS,
PHYSICAL SCIENCES, REFERENCE MATERIALS, SCIENCE HISTORY

D. GENERAL (PERTINENT TO TWO OR MORE EDUCATIONAL LEVELS)

1. BIOLOGICAL SCIENCES

- 1. SE 005 722 2 18 15 30

 ANDERSON, LUCIA
 MICROBIOLOGY FOR ELEMENTARY GRADES AND JUNIOR HIGH SCHOOL
 THE AMERICAN BIOLOGY TEACHER
 08 00 68 8
 *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *MICROBIOLOGY, *SECONDARY SCHOOL
 SCIENCE, *SCIENCE ACTIVITIES, *RESOURCE MATERIALS, BIOLOGY, BIBLIOGRAPHIES
- 2. SE 004 344 1 18 15 30

 BRENNAN, JOHN W.

 CONCEPT ORIENTED TRANSPARENCIES

 THE SCIENCE TEACHER

 01 00 68 1

 *BIOLOGY, *INSTRUCTIONAL MATERIALS, *SECONDARY SCHOOL SCIENCE, *TRANSPARENCIES,
 AUDIOVISUAL AIDS, ELEMENTARY SCHOOL SCIENCE, INSTRUCTION
- 3. SE 005 810 1 18 51 20
 DISNEY, R. H. L.
 THE TERMS ECOLOGY AND NATURAL HISTORY
 JOURNAL OF BIOLOGICAL EDUCATION
 09 00 68 3
 *BIOLOGY, *REFERENCE MATERIALS, *VOCABULARY, ECOLOGY, RESOURCE MATERIAL,
 SCIENTIFIC CONCEPTS
- 4. SE 004 226 1 18 51 38

 FEIRO, ARTHUR D.

 THE COUNTER CURRENT MECHANISM IN BIOLOGY

 THE AMERICAN BIOLOGY TEACHER

 02 00 68 9

 *BIOLOGY, *SCIENTIFIC CONCEPTS, COLLEGE SCIENCE, PHYSIOLOGY, RESOURCE

 MATERIALS, SECONDARY SCHOOL SCIENCE, ZOOLOGY
- 5. SE 004 719 1 18 15 30

 FRASER, W. CLAYTON, SR.

 DYNAMIC SYMBIOSIS THROUGH INQUIRY AND DISCOVERY

 THE AMERICAN BIOLOGY TEACHER

 03 00 68 3

 *BIOLOGY, *BOTANY, *ECOLOGY, *SCIENCE ACTIVITIES, *SCIENTIFIC CONCEPTS,

 COLLEGE SCIENCE, INSTRUCTION, SECONDARY SCHOOL SCIENCE

6. SE 005 576 1 18 15 15

HAMMERMAN, DONALD R.; HAMMERMAN, WILLIAM M.

TEACHING IN THE OUTDOORS

BURGESS PUBLISHING COMPANY, MINNEAPOLIS, MINNESOTA

64 120

*ELEMENTARY SCHOOL SCIENCE, *INSTRUCTIONAL MATERIALS, *OUTDOOR EDUCATION,

*SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES, ASTRONOMY, BIOLOGY, EARTH

SCIENCE, STUDENT ACTIVITIES, 1968

7. SE 005 329

3 18 15 15

HELLER, R.

NEW TRENDS IN BIOLOGY TEACHING, VOLUME I

UNITED NATIONS EDUCATION, SCIENTIFIC, AND CULTURAL ORGANIZATION, PARIS, FRANCE

UNESCO PUBLICATIONS CENTER, NEW YORK, NEW YORK

ED 025 419

NOT AVAILABLE FROM EDRS

66

298

*BIOLOGICAL SCIENCES, *COLLEGE SCIENCE, *SECONDARY SCHOOL SCIENCE,

CURRICULUM DEVELOPMENT, COURSE CONTENT, EDUCATIONAL PROGRAMS, INTERNATIONAL

EDUCATION, TEACHING PROCEDURES, UNESCO

- 8. SE 005 719 1 18 15 30

 HOLT, CHARLES E.; CHOE, DAVID T.

 SOME EXPERIMENTS ON THE VISCOSITY OF BACTERIAL DNA SOLUTIONS

 THE AMERICAN BIOLOGY TEACHER

 08 00 68 13

 *BIOLOGY, *SCIENCE EXPERIMENTS, *SCIENCE ACTIVITIES, *SECONDARY SCHOOL

 SCIENCE, BIOCHEMISTRY, COLLEGE SCIENCE, GENETICS, LABORATORY TECHNIQUES,

 MICROBIOLOGY
- 9. SE 004 290
 2 18 15 15

 ILLINOIS STATE DEPARTMENT OF PUBLIC INSTRUCTION

 SMOKING AND HEALTH, TEACHER RESOURCE KIT

 ILLINOIS STATE DEPARTMENT OF PUBLIC INSTRUCTION, SPRENGFIELD, ILLINOIS

 64

 *HEALTH EDUCATION, *INSTRUCTION, *INSTRUCTIONAL MATERIALS, *SMOKING,
 ELEMENTARY SCHOOL SCIENCE, HEALTH ACTIVITIES, SECONDARY SCHOOL SCIENCE
- JUMP, JOHN A.

 THE XEROPHYTIC MIMICRY PLANTS
 THE AMERICAN BIOLOGY TEACHER

 03 00 68 5

 *BIOLOGY, *BOTANY, *SECONDARY SCHOOL SCIENCE, *SCIENTIFIC CONCEPTS,
 COLLEGE SCIENCE, ECOLOGY, EVOLUTION, INSTRUCTION, SCIENCE MATERIALS,
 SCIENCE DEMONSTRATION

11. SE 004 548

3

18 95 20

KLINGE, PAUL

CAREERS IN BIOLOGY EDUCATION

THE AMERICAN BIOLOGY TEACHER

NATIONAL ASSOCIATION OF BIOLOGY TEACHERS, WASHINGTON, D.C.

ED 020 132 NOT AVAILABLE FROM EDRS

04 00 68 107

*BIOLOGY, *CAREERS, *CAREER OPPORTUNITIES, COLLEGE SCIENCE, ELEMENTARY SCHOOL SCIENCE, INTERNATIONAL EDUCATION, MUSEUMS, OUTDOOR EDUCATION, SECONDARY SCHOOL SCIENCE, SCIENCE CAREERS, SCIENCE EDUCATION, TEACHER AIDS

*BIOLOGY, *MICROBIOLOGY, *SCIENCE ACTIVITIES, COLLEGE SCIENCE, LABORATORY

12. SE 005 717

1

18 15 30

KOCH, ARTHUR L.; CRANDALL, MARJORIE

PHOTOMETRIC MEASUREMENT OF BACTERIAL GROWTH

THE AMERICAN BIOLOGY TEACHER

5

08 00 68

TECHNIQUES, RESOURCE MATERIALS, SCIENCE EXPERIMENTS, SECONDARY SCHOOL SCIENCE

1

18 15 15

13. SE 004 134

MYERS, J. WALTER

TEN LESSONS IN FORESTRY

LOUISIANA FORESTRY COMMISSION, BATON ROUGE, LOUISIANA

64 54

*ELEMENTARY SCHOOL SCIENCE, *FORESTRY, *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES, BIOLOGY, CONSERVATION EDUCATION, ECOLOGY, EARTH SCIENCE, NATURAL RESOURCES, SCIENCE ACTIVITIES

14. SE 005 716

1

18 15 30

MCBURNEY, WENDELL F.

MICROBIOLOGY - A QUANTITATIVE SCIENCE

THE AMERICAN BIOLOGY TEACHER

08 00 68

5

*BIOLOGY, *LABORATORY TECHNIQUES, *MICROBIOLOGY, *SCIENCE ACTIVITIES, COLLEGE SCIENCE, RESQUECE MATERIALS, SECONDARY SCHOOL SCIENCE

15. SE 005 610

1

18 15 30

O'HARA, JAMES

A LABORATORY DEMONSTRATION OF OXYGEN DEPLETION IN POLLUTED WATERS THE AMERICAN BIOLOGY TEACHER

09 00 68

3

*BIOLOGICAL SCIENCES, *COLLEGE SCIENCE, *LABORATORY DEMONSTRATION, *POLLUTION, *SCIENCE DEMONSTRATION, INSTRUCTION, SCIENCE ACTIVITIES, WATER RESOURCES

16. SE 005 727

1

18 15 03

ROBERTSTAD, GORDON W.; AND OTHERS

SELECTED LIST OF REFERENCE BOOKS IN MICROBIOLOGY

THE AMERICAN BIOLOGY TEACHER

08 00 68

9

*BIOLOGY, *BIBLIOGRAPHIES, *INSTRUCTIONAL MATERIALS, *MICROBIOLOGY, BOOKS, COLLEGE SCIENCE, GENETICS, HEALTH EDUCATION, RESOURCE GUIDES, RESOURCE MATERIALS, SECONDARY SCHOOL SCIENCE, TEXTBOOKS

17. SE 005 726 1 18 15 03

ROBERSTAD, GORDON W.; SCARPINO, PASQUALE V.

RECENT PAPERS OF MICROBIOLOGICAL INTEREST PUBLISHED IN SCIENTIFIC AMERICAN
THE AMERICAN BIOLOGY TEACHER
08 00 68 8

*BIBLIOGRAPHIES, *INSTRUCTIONAL MATERIALS, *MICROBIOLOGY, PUBLICATIONS

18. SE 004 195

ROMIG, RONALD F.

DETERMINING DURATION OF STAGES OF MITOSIS

THE SCIENCE TEACHER

02 00 68

*BIOLOGY, *SCIENCE ACTIVITIES, CYTOLOGY, COLLEGE SCIENCE, MITOSIS, SECONDARY

SCHOOL SCIENCE

19. SE 005 712 1 18 16 20 SCARPINO, PASQUALE V.
MICROBIOLOGISTS AND THEIR "LITTLE ANIMALS"
THE AMERICAN BIOLOGY TEACHER
08 00 68 2
*BIOLOGY, *MICROBIOLOGY, CLASSIFICATION, TAXONOMY

20. SE 005 725 1 18 15 20

SCARPINO, PASQUALE V.

RESPONSIBILITIES OF TEACHERS IN THE MICROBIOLOGY LABORATORY

THE AMERICAN BIOLOGY TEACHER

08 00 68 2

*BIOLOGY, *INSTRUCTION, *LABORATORY SAFETY, *MICROBIOLOGY, COLLEGE SCIENCE,
LABORATORY TECHNIQUES, PATHOLOGY, RESOURCE MATERIALS, SECONDARY SCHOOL

SCIENCE, SCIENCE LABORATORIES

21. SE 004 225

SCHERER, ROBERT H.

USING FRESHWATER CLAMS IN THE BIOLOGY LABORATORY

THE AMERICAN BIOLOGY TEACHER

02 00 68

*BIOLOGY, *SECONDARY SCHOOL SCIENCE, *RESOURCE MATERIALS, COLLEGE SCIENCE

ELEMENTARY SCHOOL SCIENCE, LIMNOLOGY, LABORATORY MATERIALS, SCIENCE

MATERIALS, SCIENCE ACTIVITIES, TAXONOMY

22. SE 005 714 1 18 15 30

SHANKEL, DELBERT M.; ARNOLD, W. J.

ELEMENTARY TECHNIQUES IN MICROBIOLOGY

THE AMERICAN BIOLOGY TEACHER

08 00 68 12

*COLLEGE SCIENCE, *LABORATORY TECHNIQUES, *MICROBIOLOGY, *RESOURCE

MATERIALS, INSTRUCTION, SCIENCE EQUIPMENT, SECONDARY SCHOOL SCIENCE,

SCIENCE LABORATORIES, SCIENCE ACTIVITIES

(45)

23. SE 005 811 1 18 15 30

SMITHERS, A. G.; WILSON, K.

LABORATORY INVESTIGATIONS IN PLANT PHYSIOLOGY

JOURNAL OF BIOLOGICAL EDUCATION

09 00 68 19

*BIOLOGY, *BOTANY, *PHYSIOLOGY, *SCIENCE ACTIVITIES, COLLEGE SCIENCE,

LABORATORY EXPERIMENTS, RESOURCE MATERIALS, SECONDARY SCHOOL SCIENCE

24. SE 005 720 1 18 15 30

SOJKA, GARY A.

BASIC INVESTIGATIONS TO DEMONSTRATE SOME ENVIRONMENTAL REQUIREMENTS FOR MICROBIAL GROWTH

THE AMERICAN BIOLOGY TEACHER
08 00 68 4

*BIOLOGY, *MICROBIOLOGY, *SCIENCE ACTIVITIES, COLLEGE SCIENCE, ELEMENTARY SCHOOL SCIENCE, INSTRUCTION, RESOURCE MATERIALS, SCIENCE LABORATORIES,

25. SE 004 501 3 18 95 07
TRAIN, RUSSELL E.
A CRITICAL INDEX OF FILMS AND FILMSTRIPS IN CONSERVATION
CONSERVATION FOUNDATION, WASHINGTON, D.C.
O'HARE BOOKS, FLANDERS, NEW JERSEY
ED 018 396 NOT AVAILABLE FROM EDRS
67 79

SECONDARY SCHOOL SCIENCE

*CONSERVATION EDUCATION, *FILME, *FILMSTRIPS, *INSTRUCTIONAL MATERIALS, AUDIOVISUAL AIDS, ADULT EDUCATION, BIOLOGY, COLLEGE SCIENCE, ELEMENTARY SCHOOL SCIENCE, EARTH SCIENCE, GENERAL SCIENCE, INSTRUCTIONAL FILMS, NATURAL RESOURCES, RESOURCE MATERIALS, SECONDARY SCHOOL SCIENCE

26. SE 005 715 1 18 15 38

WALTER, WILLIAM G.

THE USE OF WOODEN APPLICATOR STICKS

THE AMERICAN BIOLOGY TEACHER

08 00 68 3

*BIOLOGY, *LABORATORY TECHNIQUES, *MICROBIOLOGY, *RESOURCE MATERIALS,

COLLEGE SCIENCE, SCIENCE LABORATORIES, SCIENCE MATERIALS, SECONDARY

SCHOOL SCIENCE

27. SE 005 575

WEAVER, RICHARD L.

MATERIALS FOR TEACHING CONSERVATION AND RESOURCE-USE NATIONAL ASSOCIATION OF BIOLOGY TEACHERS

INTERSTATE PRINTERS AND PUBLISHERS, DANVILLE, ILLINOIS

55

*ANNOTATED BIBLIOGRAPHIES, *AUDIOVISUAL AIDS, *CONSERVATION EDUCATION, *INSTRUCTIONAL MATERIALS, *REFERENCE MATERIALS, ELEMENTARY SCHOOL SCIENCE, FILMS, FILMSTRIPS, SECONDARY SCHOOL SCIENCE

-

28. SE 004 768 1 18 15 30
WITTERS, WELDON L.
CLASSROOM IDEAS, EXTRACTION AND IDENTIFICATION OF TISSUE LIPIDS
BY CHROMATOGRAPHY
THE SCIENCE TEACHER
05 00 68 2

*BIOLOGY, *BIOCHEMISTRY, *SCIENCE ACTIVITIES, COLLEGE SCIENCE, CHROMATOGRAPHY, INSTRUCTION, LIPIDS, SECONDARY SCHOOL SCIENCE

- 29. SE 005 745 1 18 15 03
 BIBLIOGRAPHY
 BIOSCIENCE
 07 00 68 2
 *BIOLOGY, *EVOLUTION, *BIBLIOGRAPHIES, ECOLOGY, GENETICS, INSTRUCTIONAL MATERIALS, 1968
- 30. SE 005 228 1 18 15 30

 FLY FACTS ON RAISING HOUSE FLIES

 EDUCATIONAL RESEARCH COUNCIL OF AMERICA, CLEVELAND, OHIO
 08 00 67 15

 *BIOLOGY, *ELEMENTARY SCHOOL SCIENCE, *REFERENCE MATERIALS, *SCIENCE
 ACTIVITIES, *SECONDARY SCHOOL SCIENCE, LABORATORY TECHNIQUES, SCIENCE
 MATERIALS
- 31. SE 004 570 1 18 15 37
 IMPACT OF SCIENCE ON SOCIETY, SPECIAL ISSUE ON MICROBIOLOGY, VOLUME XVII, NO. 3
 UNITED NATIONS EDUCATION, SCIENTIFIC AND CULTURAL ORGANIZATION, PARIS, FRANCE
 UNESCO PUBLICATION CENTER, NEW YORK, NEW YORK
 67 45
 *INTERNATIONAL PROGRAMS, *MICROBIOLOGY, BIOLOGY, COLLEGE SCIENCE, HEALTH
 EDUCATION, SECONDARY SCHOOL SCIENCE, SOCIOECONOMIC INFLUENCES
- 32. SE 005 553

 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

18 95 03

3

INDEX TO SELECTED OUTDOOR RECREATION LITERATURE, VOLUME I
DEPARTMENT OF INTERIOR, WASHINGTON, D.C.
U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C.
EDRS
ED 020 905 MF \$0.75 NOT AVAILABLE IN HARD COPY
08 00 67 156
*BIBLIOGRAPHIES, ANNOTATED BIBLIOGRAPHIES, *INDEXES (LOCATORS), *NATURAL
RESOURCES, *OUTDOOR EDUCATION, PERIODICALS, RECREATION, RESOURCE MATERIALS,
ADULT EDUCATION, BIOLOGICAL SCIENCES, COLLEGE SCIENCE, CONSERVATION
EDUCATION, CAMPING, ECOLOGY, ELEMENTARY SCHOOL SCIENCE, FEDERAL LEGISLATION,
PHOTOGRAPHY, SECONDARY SCHOOL SCIENCE, DEPARTMENT OF THE INTERIOR, BUREAU
OF OUTDOOR RECREATION

SE 004 902

33.

- 34. SE 004 473

 NATURE CENTERS, OPEN SPACE, NATURAL AREAS, OUTDOOR LABORATORIES AND NATURE PARKS

 NATIONAL AUDUBON SOCIETY, WASHINGTON, D.C.

 67

 *EDUCATIONAL PROGRAMS, *NATURE CENTERS, *OUTDOOR EDUCATION, *PROGRAM DESCRIPTIONS, ADULT EDUCATION, CONSERVATION EDUCATION, COLLEGE SCIENCE, ELEMENTARY SCHOOL SCIENCE, RESOURCE MATERIALS, SECONDARY SCHOOL SCIENCE
- 35. SE 005 392

 1 18 95 37

 TWENTY-FIVE KEY GUIDES FOR PREPARING CONSERVATION-EDUCATION PUBLICATIONS

 AND VISUAL AIDS

 CONSERVATION EDUCATION ASSOCIATION

 THE INTERSTATE PRINTERS AND PUBLISHERS, DANVILLE, ILLINOIS

 65 13

 *AUDIOVISUAL AIDS, *CONSERVATION EDUCATION, *GUIDELINES, *MATERIAL DEVELOPMENT,
 INSTRUCTIONAL MATERIALS

2. PHYSICAL SCIENCES AND EARTH SCIENCES

- 1. SE 004 004 1 18 25 30

 ALYEA, HUBERT N.

 TESTED OVERHEAD PROJECTION SERIES

 JOURNAL OF CHEMICAL EDUCATION

 01 00 68 2

 *COLLEGE SCIENCE, *CHEMISTRY, *OVERHEAD PROJECTORS, *SCIENCE ACTIVITES,

 INORGANIC CHEMISTRY, METALLURGY, SCIENCE DEMONSTRATIONS, TEACHING TECHNIQUES,

 TOPS, ALKALINE EARTHS, RARE EARTHS
- 2. SE 004 415 1 18 25 38

 ALYEA, HUBERT N.
 TESTED OVERHEAD PROJECTION SERIES
 JOURNAL OF CHEMICAL EDUCATION
 02 00 68 2
 *COLLEGE SCIENCE, *CHEMISTRY, *OVERHEAD PROJECTORS, *SECONDARY SCHOOL
 SCIENCE, *SCIENCE ACTIVITIES, INSTRUCTION, SCIENCE DEMONSTRATIONS, TESTED
 OVERHEAD PROJECTION SERIES, BORON, SILICON
- 3. SE 004 273 1 18 25 30

 ALYEA, HUBERT N.

 TESTED OVERHEAD PROJECTION SERIES

 JOURNAL OF CHEMICAL EDUCATION

 03 00 68 2

 *COLLEGE SCIENCE, *CHEMISTRY, AUDIOVISUAL INSTRUCTION, INORGANIC CHEMISTRY,
 INSTRUCTIONAL PROCEDURES, OVERHEAD PROJECTORS, SCIENCE ACTIVITIES, SCIENCE
 DEMONSTRATIONS, SILICON, CARBON, BORON
- 4. SE 004 421 1 18 25 30

 ALYEA, HUBERT N.

 TESTED OVERHEAD PROJECTION SERIES

 JOURNAL OF CHEMICAL EDUCATION

 04 00 68 3

 *CHEMISTRY, *COLLEGE SCIENCE, *CARBON COMPOUNDS, *OVERHEAD PROJECTORS,

 *SCIENCE ACTIVITIES, *SECONDARY SCHOOL SCIENCE, INORGANIC CHEMISTRY,

 SCIENCE DEMONSTRATIONS, TESTED OVERHEAD PROJECTION SERIES, CARBON
- 5. SE 004 658 1 18 25 38

 ALYEA, HUBERT N.

 TESTED OVERHEAD PROJECTION SERIES

 JOURNAL OF CHEMICAL EDUCATION

 05 00 68 2

 *COLLEGE SCIENCE, *CHEMISTRY, *OVERHEAD PROJECTORS, *SECONDARY SCHOOL

 SCIENCE, AUDIOVISUAL INSTRUCTION, INORGANIC CHEMISTRY, SCIENCE ACTIVITIES,

 SCIENCE DEMONSTRATIONS, CARBON DIOXIDE, CARBON

1 Min (4)

6. SE 004 803

1

18 25 30

ALYEA, HUBERT N.

TESTED OVERHEAD PROJECTION SERIES

JOURNAL OF CHEMICAL EDUCATION

06 00 68

2

*CHEMISTRY, *LABORATORY DEMONSTRATIONS, *SECONDARY SCHOOL SCIENCE, AUDIO-VISUAL AIDS, COLLEGE SCIENCE, INORGANIC CHEMISTRY, CARBON DIOXIDE, CARBON, CARBONATES, BICARBONATES

7. SE 005 593

1

18 25 30

ALYEA, HUBERT N.

TESTED OVERHEAD PROJECTION SERIES

JOURNAL OF CHEMICAL EDUCATION

07 00 68

2

*CHEMISTRY, *INSTRUCTIONAL MATERIALS, *SECONDARY SCHOOL SCIENCE, *SCIENCE ACTIVITIES, STUDENT ACTIVITIES, SCIENCE DEMONSTRATIONS, NITROGEN

8. SE 005 731

1

18 25 20

ALYEA, HUBERT N.

TESTED OVERHEAD PROJECTION SERIES

JOURNAL OF CHEMICAL EDUCATION

08 00 68

- 4

*CHEMISTRY, *OVERHEAD PROJECTORS, *SECONDARY SCHOOL SCIENCE, *SCIENCE DEMONSTRATIONS, INSTRUCTIONAL MATERIALS

9. SE 005 842

1

18 25 30

ALYEA, HUBERT N.

TESTED OVERHEAD PROJECTION SERIES

JOURNAL OF CHEMICAL EDUCATION

11 00 68

2

*CHEMISTRY, *LABORATORY EXPERIMENTS, *LABORATORY DEMONSTRATIONS, *SECONDARY SCHOOL SCIENCE, AUDIOVISUAL AIDS, COLLEGE SCIENCE, CHEMICAL REACTIONS, INSTRUCTION, SCIENCE ACTIVITIES, SULFUR, SULFIDES

10. SE 004 147

2

18 25 15

CASSEL, RICHARD

SCIENCE ELECTRICITY IN ACTION

PENNSYLVANIA STATE DEPARTMENT OF PUBLIC INSTRUCTION, HARRISBURG

EDRS

ED 016 631 MF

MF \$0.25

HC \$1.30

67 24

*ELECTRICITY, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *SCIENCE ACTIVITIES, *TEACHING GUIDES, INVESTIGATIONS, *SECONDARY SCHOOL SCIENCE

11. SE 005 706

1

18 35 33

GOTTLIEB, HERBERT H.

APPARATUS FOR TEACHING PHYSICS

THE PHYSICS TEACHER

10 00 68

68 3

*COLLEGE SCIENCE, *EQUIPMENT EVALUATION, *PHYSICS, *SCIENCE EQUIPMENT, *SECONDARY SCHOOL SCIENCE, CONFERENCE REPORTS, AAPT COMMITTEE ON APPARATUS, 1968, ELECTROSCOPES

12. SE 005 592 1 18 25 06

MELGAARD, KENNETH G.

REPORT FROM THE SUBCOMMITTEE ON COMMUNICATION AMONG CHEMISTRY TEACHERS

JOURNAL OF CHEMICAL EDUCATION

07 00 68 2

*CHEMISTRY TEACHERS, *CONFERENCE REPORTS, *COMMUNICATION, *COLLEGE TEACHERS,

*SECONDARY SCHOOL TEACHERS, TEACHER RESOURCE MATERIALS, AMERICAN CHEMICAL

SOCIETY

13. SE 005 839

MCGUINNESS, E. T.; CLARKE, K. S.

PREPARATION AND STANDARDIZATION OF CONSTANT BOILING HYDROCHLORIC ACID

JOURNAL OF CHEMICAL EDUCATION

11 00 68

*CHEMISTRY, *COLLEGE SCIENCE, *CHEMICAL ANALYSIS, *SCIENCE MATERIALS,

ACIDS, CHEMICAL REACTIONS, LABORATORY TECHNIQUES, LABORATORY PROCEDURES,

LABORATORY REAGENTS, SECONDARY SCHOOL SCIENCE, HYDROCHLORIC ACID

14. SE 004 168

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
NASA FACTS - TELEMETRY
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C.
67
4
*COMMUNICATIONS, *TELEMETRY, *WAVE PHENOMENA, BULLETINS, PHYSICAL SCIENCES, SPACE SCIENCE, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

15. SE 005 735 1 18 25 30

RODRIGUEZ, F.

SIMPLE MODELS FOR POLYMER STEREOCHEMISTRY

JOURNAL OF CHEMICAL EDUCATION

08 00 68 4

*AUDIOVISUAL AIDS, *CHEMISTRY, *COLLEGE SCIENCE, *INSTRUCTIONAL MATERIALS,

*SCIENCE MATERIALS, CHEMICAL BONDING, MOLECULAR MODELS, MOLECULAR STRUCTURE,

MODELS, ORGANIC CHEMISTRY, SCIENCE ACTIVITIES

16. SE 004 006 2 18 25 20
ROGERS, L. B.
RESEARCH SUMMARIES FOR TEACHERS - ANALYTICAL CHEMISTRY
JOURNAL OF CHEMICAL EDUCATION
01 00 68 3
*ANALYTICAL CHEMISTRY, *BIBLIOGRAPHIES, *COLLEGE SCIENCE, *CHEMISTRY, *RESEARCH

17. SE 004 486 1 18 35 30

ROMER, R. H.

MATRIX DESCRIPTION OF COLLISIONS ON AN AIR TRACK

AMERICAN JOURNAL OF PHYSICS

09 00 67 7

*COLLEGE SCIENCE, *MECHANICS, *PHYSICS, AIR TRACKS, PHYSICAL SCIENCES,

SCIENCE EQUIPMENT, SCIENCE DEMONSTRATIONS, SCIENCE ACTIVITIES, AIR TRACKS

18. SE 004 417

RUCHLIS, HY

USING MOON PHOTOS TO DEVELOP SCIENTIFIC THINKING

SCIENCE AND CHILDREN

12 00 67

*ASTRONOMY, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *SECONDARY SCHOOL SCIENCE, PHYSICAL SCIENCES, PHOTOGRAPHY, PROBLEM SOLVING, SCIENCE ACTIVITIES, TEACHING TECHNIQUES

19. SE 004 412 1 18 95 20
SCHERER, GEORGE; SAKURAI, RICHARD S.
INEXPENSIVE APPLICATIONS OF POLAROID FILM
JOURNAL OF CHEMICAL EDUCATION
02 00 68 2
*COLLEGE SCIENCE, *PHOTOGRAPHY, *SCIENCE EQUIPMENT, *SCIENCE MATERIALS,
*SECONDARY SCHOOL SCIENCE, CHEMISTRY, PHYSICS, RADIOACTIVITY, TEACHING
TECHNIQUES, POLAROID FILM

20. SE 005 171 1 18 86 17

SHANK, RUSSELL

PHYSICAL SCIENCE AND ENGINEERING SOCIETIES IN THE UNITED STATES AS

PUBLISHERS, 1939-1964

COLUMBIA UNIVERSITY

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

*ENGINEERING, *PROFESSIONAL ASSOCIATIONS, *PHYSICAL SCIENCES, DOCTORAL THESES, INFORMATION DISSEMINATION, AMERICAN CHEMICAL SOCIETY, AMERICAN SOCIETY OF MECHANICAL ENGINEERS, AMERICAN NUCLEAR SOCIETY, AMERICAN SOCIETY OF LUBRICATION ENGINEERS, MINERALOGICAL SOCIETY OF AMERICA, OPTICAL SOCIETY OF AMERICA, 1968

21. SE 002 671 1 18 25 20

STEERE, NORMAN V.

SAFETY IN THE CHEMICAL LABORATORY

JOURNAL OF CHEMICAL EDUCATION

06 00 67 3

*COLLEGE SCIENCE, *CHEMISTRY, *RESEARCH LABORATORIES, *SAFETY, APPLIED

SCIENCE, HYGIENE, INDUSTRIAL HYGIENE, PUBLIC HEALTH REPORTS

22. SE 004 003 1 18 25 20
STEERE, NORMAN V.
SAFETY IN THE CHEMICAL LABORATORY
JOURNAL OF CHEMICAL EDUCATION
01 00 68 9
*COLLEGE SCIENCE, *CHEMISTRY, *LABORATORY SAFETY, *PHYSICAL SCIENCES,
BIBLIOGRAPHIFS, SAFETY

23. SE 004 398 1 18 25 38

STEERE, NORMAN V.

SAFETY IN THE CHEMICAL LABORATORY

JOURNAL OF CHEMICAL EDUCATION

02 00 68 7

*COLLEGE SCIENCE, *CHEMICALS, *CHEMISTRY, *SCIENCE MATERIALS, *SAFETY,

LABORATORY SAFETY, PHYSICAL SCIENCES

24. SE 004 272 1 18 25 20
STEERE, NORMAN V.
SAFETY IN THE CHEMICAL LABORATORY
JOURNAL OF CHEMICAL EDUCATION
03 00 68 5
*COLLEGE SCIENCE, *CHEMISTRY, *LABORATORY SAFETY, *SAFETY, *SECONDARY
SCHOOL SCIENCE

25. SE 004 420 1 18 25 20
STEERE, NORMAN V.
SAFETY IN THE CHEMICAL LABORATORY
JOURNAL OF CHEMICAL EDUCATION
04 00 68 7
*COLLEGE SCIENCE, *CHEMISTRY, *LABORATORY SAFETY, *SAFETY, PHYSICAL SCIENCES,
SCIENCE MATERIALS

26. SE 004 657 1 18 25 20
STEERE, NORMAN V.
SAFETY IN THE CHEMICAL LABORATORY
JOURNAL OF CHEMICAL EDUCATION > ...
05 00 68 6
*CHEMISTRY, *COLLEGE SCIENCE, *LABORATORY SAFETY, *SAFETY, PHYSICAL SCIENCES

27. SE 004 795 1 18 25 20
STEERE, NORMAN V.
SAFETY IN THE CHEMICAL LABORATORY
JOURNAL OF CHEMICAL EDUCATION
06 00 68 7
*CHEMISTRY, *LABORATORY SAFETY, *SAFETY, ACCIDENT PREVENTION, BIBLIOGRAP* CHEMICAL DISPOSALS, CHEMICAL STORAGE, CHEMICAL TOXICITY, LABORATORY
CHEMICALS, POLLUTION, RADIOACTIVITY, NUCLEAR SAFETY INFORMATION CENTER

28. SE 005 589 1 18 25 38

STEERE, NORMAN V.

SAFETY IN THE CHEMICAL LABORATORY

JOURNAL OF CHEMICAL EDUCATION

07 00 68 4

*CHEMISTRY, *INSTRUCTIONAL MATERIALS, *LABORATORY SAFETY, *SAFETY,

*SECONDARY SCHOOL SCIENCE

29. SE 005 730 1 18 25 20
STEERE, NORMAN V.
SAFETY IN THE CHEMICAL LABORATORY
JOURNAL OF CHEMICAL EDUCATION
08 00 68 7
*CHEMISTRY, *CHEMICAL DISPOSAL, *LABORATORY SAFETY, *RADIOACTIVITY,
CHEMICAL STORAGE, CHEMICAL TOXICITY, LABORATORY CHEMICALS, LABORATORY
PROCEDURES, POLLUTION, SAFETY

30. SE 004 467

VAN BROCKLIN, RALPH

SOIL CONSERVATION IN THE UNITED STATES BEFORE 1901

WESTERN NEW MEXICO UNIVERSITY, SILVER CITY

68

26

*CONSERVATION EDUCATION, *SOIL CONSERVATION, ELEMENTARY SCHOOL SCIENCE, EARTH SCIENCE, GENERAL SCIENCE, NATURAL RESOURCES, RESOURCE MATERIALS, SECONDARY SCHOOL SCIENCE, SCIENCE HISTORY

31. SE 005 830 1 18 25 30

VISWANATHAN, ARCOT

EFFECT OF SHOCK ON CS₂ VAPOR

JOURNAL OF CHEMICAL EDUCATION

11 00 68 1

*CHEMISTRY, *INSTRUCTIONAL MATERIALS, *LABORATORY EXPERIMENTS, *SCIENCE ACTIVITIES, COLLEGE SCIENCE, CHEMICAL REACTIONS, SECONDARY SCHOOL SCIENCE, METALS, SULFUR

- 32. SE 004 424 1 18 25 20
 YAMANA, SHUKICHI
 AN EASILY CONSTRUCTED TETRAHEDRON MODEL
 JOURNAL OF CHEMICAL EDUCATION
 04 00 68 1
 *COLLEGE SCIENCE, *CHEMISTRY, *INSTRUCTIONAL MATERIALS, *MODELS, *SECONDARY
 SCHOOL SCIENCE, *AUDIOVISUAL AIDS, PHYSICAL SCIENCES, SCIENCE MATERIALS,
 STEREOCHEMISTRY, TETRAHEDRON MODELS
- 33. SE 005 279 1 18 55 38

 AEROSPACE TEACHING AIDS ABUNDANT, EASY TO OBTAIN
 OHIO SCHOOLS
 01 00 66 1
 *AEROSPACE SCIENCE, *COLLEGE SCIENCE, *SECONDARY SCHOOL SCIENCE, *TEACHER
 RESOURCE MATERIALS, *TEACHING AIDS, PHYSICAL SCIENCE
- 34. SE 004 778

 INDEX TO VOLUME 35, AMERICAN JOURNAL OF PHYSICS

 AMERICAN JOURNAL OF PHYSICS

 12 00 67

 24

 *COLLEGE SCIENCE, *ELEMENTARY SCHOOL SCIENCE, *INDEXES, *PHYSICS,

 *SECONDARY SCHOOL SCIENCE, AUDIOVISUAL AIDS, ASTRONOMY, ATOMIC PHYSICS,

 CURRICULUM, ENGINEERING, ELECTRONICS, FILMS, HEAT, INSTRUCTIONAL AIDS,

 INSTRUCTION, LIGHT, MECHANICS, MATHEMATICS, NUCLEAR PHYSICS, SOUND,

 TEACHER EDUCATION

- 35. SE 005 594 1 18 25 38

 A NOVEL SYNTHESIS OF MAGNESIUM CARBIDE

 JOURNAL OF CHEMICAL EDUCATION

 07 00 68 1

 *CHEMISTRY, *COLLEGE SCIENCE, *INSTRUCTIONAL MATERIALS, *SCIENCE ACTIVITIES,

 *SECONDARY SCHOOL SCIENCE, HEAT, MAGNESIUM CARBIDE
- 36. SE 004 429

 1 18 23 03

 PAPERBACK BOOKS IN CHEMISTRY AND RELATED SCIENCES

 JOURNAL OF CHEMICAL EDUCATION

 04 00 68

 11

 *BIBLIOGRAPHIES, *CHEMISTRY, *COLLEGE SCIENCE, ANALYTICAL CHEMISTRY,

 BIOCHEMISTRY, INORGANIC CHEMISTRY, MATHEMATICS, ORGANIC CHEMISTRY,

 PHYSICAL SCIENCES, PHYSICS, PROGRAMED INSTRUCTION, SAFETY
- 37. SE 005 394 1 18 35 37

 THE PHYSICIST IN INDUSTRY

 AMERICAN INSTITUTE OF PHYSICS

 67 24

 *CAREERS, *INDUSTRY, *PHYSICS, *SCIENCE CAREERS, COLLEGE STUDENTS,
 GRADUATE STUDENTS, HIGH SCHOOL STUDENTS, PHYSICISTS, SALARIES

3, MATHEMATICS

1. SE 005 087

DUREN, WILLIAM L., JR.

BASIC LIBRARY LIST

COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS, BERKELEY, CALIFORNIA

EDRS

ED 022 698

MF \$0.25

HC \$2.75

O1 00 65

53

*COLLEGE MATHEMATICS, *INSTRUCTIONAL MATERIALS, *LIBRARY MATERIALS,

ALGEBRA, CURRICULUM PLANNING, GEOMETRY, MATHEMATICS, PROBABILITY,

REFERENCE MATERIALS, REFERENCE BOOKS, STATISTICS, UNDERGRADUATE STUDY,

COMMITTEE ON THE UNDERGRADUATE PROGRAM IN MATHEMATICS, NATIONAL SCIENCE

FOUNDATION

2. SE 004 505

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

18 09 15 3 3. SE 004 522 FOLEY, JACK L. SIMILARITY PALM BEACH COUNTY PROGRAM FOR MATHEMATICALLY UNDERDEVELOPED PUPILS, FLORIDA **EDRS** HC \$2.75 MF \$0.25 ED 021 731 53 05 00 67 *ELEMENTARY SCHOOL MATHEMATICS, *GEOMETRY, *SECONDARY SCHOOL MATHEMATICS, *TRIGONOMETRY, CURRICULUM, CURRICULUM DEVELOPMENT, INSTRUCTIONAL MATERIALS, LOW ABILITY STUDENTS, MATHEMATICS, ELEMENTARY AND SECONDARY EDUCATION ACT TITLE III

4. SE 004 927 1 18 09 03
HILLMAN, THOMAS P.
A CURRENT LISTING OF MATHEMATICS LABORATORY MATERIALS
SCHOOL SCIENCE AND MATHEMATICS
06 00 68 3
*BIBLIOGRAPHIES, *LIBRARY MATERIALS, *MATHEMATICS, *MATHEMATICS MATERIALS,
CURRICULUM, CURRICULUM DEVELOPMENT, RESOURCE MATERIALS



5. SE 004 144 1 18 09 38 IDAHO STATE DEPARTMENT OF EDUCATION RECOMMENDED MATHEMATICS MATERIALS IDAHO STATE DEPARTMENT OF EDUCATION, BOISE, IDAHO 30

*ELEMENTARY SCHOOL MATHEMATICS, *MATHEMATICS, *MATHEMATICS MATERIALS, *SECONDARY SCHOOL MATHEMATICS, ALGEBRA, VISUAL AIDS, GEOMETRY, INSTRUCTION MATERIALS, TRIGONOMETRY, IDAHO

- 6. SE 004 464 1 18 09 03
 MICHIGAN STATE DEPARTMENT OF EDUCATION
 BIBLIOGRAPHY OF MATERIALS FOR PARENTS ON THE NEW MATHEMATICS
 MICHIGAN STATE DEPARTMENT OF EDUCATION, LANSING
 64 8
 *BIBLIOGRAPHIES, *MATHEMATICS, *MODERN MATHEMATICS, *PARENT EDUCATION,
 MATHEMATICS EDUCATION, REFERENCE MATERIALS
- 7. SE 005 090 1 18 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, CURRICULUM,
 DIRECTORIES, EDUCATIONAL PROGRAMS, COMMITTEE ON THE UNDERGRADUATE PROGRAM
 IN MATHEMATICS, NATIONAL SCIENCE FOUNDATION

4. GENERAL (SCIENCE AND/OR MATHEMATICS)

1. SE 005 994

2

18 96 13

ALLRED, FRED J.

AN OLD FRENCH SCIENCE DIGTIONARY

UNIVERSITY OF NORTH CAROLINA, CHAPEL HILL

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

299 66

*DICTIONARIES, *SCIENCES, BIOLOGICAL SCIENCES, CHEMISTRY, MEDICINE, SCIENCE

HISTORY, FRANCE, DOCTORAL THESES

2. SE 005 096

18 95 11

AMERICAN ASSOCIATION OF SCHOOL ADMINISTRATORS

CONSERVATION - IN THE PEOPLE'S HANDS

AMERICAN ASSOCIATION OF SCHOOL ADMINISTRATORS, 1201 SIXTEENTH ST., N.W.

WASHINGTON, D.C.

330 64

*CONSERVATION EDUCATION, *NATURAL RESOURCES, *OUTDOOR EDUCATION, ELEMENTARY

SCHOOL SCIENCE, INSTRUCTION, PROGRAM PLANNING, SECONDARY SCHOOL SCIENCE

3. SE 004 806

18 96 03

BRAINARD, ROBERT W.

SCIENCE POLICY BULLETIN NO. 4

BATTELLE MEMORIAL INSTITUTE, COLUMBUS, OHIO

EDRS

ED 020 145

MF \$0.50 HC \$3.50

04 00 68

68

*ANNOTATED BIBLIOGRAPHIES, *BIBLIOGRAPHIES, *FINANCIAL SUPPORT, *INDUSTRY, INTERNATIONAL PROGRAMS, *NATURAL RESOURCES, *NATIONAL PROGRAMS, *SCIENTIFIC RESEARCH, *RESOURCE MATERIALS, *SCIENCES, *TECHNOLOGY, AGRICULTURE, BIOLOGY, CONFERENCE REPORTS, DEVELOPING NATIONS, ENGINEERING, FEDERAL LEGISLATION, GOVERNMENT ROLE, HIGHER EDUCATION, INFORMATION SCIENCES, NEWSLETTERS, OCEANOLOGY, PHYSICS, SOCIOECONOMIC INFLUENCES, TECHNOLOGICAL ADVANCEMENT

4. SE 005 848

18 96 03

BRAINARD, ROBERT W.

SCIENCE POLICY BULLETIN NUMBER 7

BATTELLE MEMORIAL INSTITUTE, COLUMBUS, OHIO

EDRS

ED 024 612

MF \$0.50 HC \$3.55

69 10 00 68

*ANNOTATED BIBLIOGRAPHIES, *ENGINEERING, *SCIENTIFIC RESEARCH, *SCIENCES, *TECHNOLOGY, BIBLIOGRAPHIES, CONFERENCE REPORTS, FEDERAL LEGISLATION, FINANCIAL SUPPORT, GOVERNMENT ROLE, HIGHER EDUCATION, INTERNATIONAL PROGRAMS, NATURAL RESOURCES, SOCIOE CONOMIC INFLUENCES



5. SE 005 827 1 18 45 20
BYRNE, JOHN V.
THE NATIONAL SCIENCE FOUNDATION
GEOTIMES
10 00 68 6
*EARTH SCIENCES, *FOUNDATION PROGRAMS, *FINANCIAL SUPPORT, *RESEARCH, *RESEARCH PROPOSALS, RESEARCH METHODOLOGY, RESEARCH OPPORTUNITIES, NATIONAL SCIENCE FOUNDATION

6. SE 004 552 1 18 95 13
CALIFORNIA STATE DEPARTMENT OF EDUCATION
DIRECTORY OF ASSOCIATIONS OF SCIENCE TEACHERS IN CALIFORNIA
CALIFORNIA STATE DEPARTMENT OF EDUCATION, SACRAMENTO
09 00 67 7
*COLLEGE SCIENCE, *DIRECTORIES, *ELEMENTARY SCHOOL SCIENCE, *PROFESSIONAL
ASSOCIATIONS, *SECONDARY SCHOOL SCIENCE, BIOLOGICAL SCIENCES, EARTH SCIENCE,
SCIENCE TEACHERS, CALIFORNIA

7. SE 004 559 1 18 96 14
CALIFORNIA STATE DEPARTMENT OF EDUCATION
DIRECTORY OF SCIENCE-ORIENTED ORGANIZATIONS THAT ARE OF INTEREST TO
TEACHERS OF SCIENCE
CALIFORNIA STATE DEPARTMENT OF EDUCATION, SACRAMENTO
67 6
*DIRECTORIES, *ELEMENTARY SCHOOL SCIENCE, *PROFESSIONAL ASSOCIATIONS,
*SECONDARY SCHOOL SCIENCE, SCIENCES

8. SE 004 881 3 18 95 16
CALIFORNIA STATE DEPARTMENT OF EDUCATION
ILLUSTRATIVE LESSON MATERIALS, A SUPPLEMENT TO SCIENCE FRAMEWORK FOR CALIFORNIA PUBLIC SCHOOLS
CALIFORNIA STATE DEPARTMENT OF EDUCATION
EDRS
ED 020 900 MF \$0.50 HC \$4.10

*CURRICULUM GUIDES, *ELEMENTARY SCHOOL SCIENCE, RESOURCE MATERIALS,
*SCIENCE ACTIVITIES, *SECONDARY SCHOOL SCIENCE, SCIENTIFIC CONCEPTS,
BIOLOGY, HEALTH EDUCATION, PHYSICAL SCIENCES, SCIENCE EDUCATION, CALIFORNIA
STATE BOARD OF EDUCATION, ELEMENTARY AND SECONDARY EDUCATION ACT, TITLE V

9. SE 004 361 3 18 95 03
CARVAJAL, JOHN; MUNZER, MARTHA E.
CONSERVATION EDUCATION, A SELECTED BIBLIOGRAPHY
CONSERVATION EDUCATION ASSOCIATION, BILLINGS, MONTANA
INTERSTATE PRINTERS AND PUBLISHERS, DANVILLE, ILLINOIS
ED 017 480 NOT AVAILABLE FROM EDRS
68

*ANNOTATED BIBLIOGRAPHIES, *CONSERVATION EDUCATION, *INSTRUCTIONAL MATERIALS, *RESOURCE MATERIALS, AUDIOVISUAL AIDS, ADULT EDUCATION, BOTANY, COLLEGE SCIENCE, DIRECTORIES, ELEMENTARY SCHOOL SCIENCE, ECOLOGY, EARTH SCIENCE, GENERAL SCIENCE, NATURAL RESOURCES, OUTDOOR EDUCATION, SECONDARY SCHOOL SCIENCE, TEXTBOOKS, ZOOLOGY

- 10. SE 004 356 1 18 39 34
 COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION
 AUSTRALIAN SCIENCE INDEX
 COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION, E. MELBOURNE,
 VICTORIA
 08 00 67 110
 *INDEXES, *SCIENTIFIC RESEARCH, *TECHNICAL REPORTS, CHEMISTRY, COLLEGE
 SCIENCE, ENGINEERING, EARTH SCIENCE, MATHEMATICS, PHYSICS, RESOURCE
 MATERIALS, SECONDARY SCHOOL SCIENCE, AUSTRALIA
- 11. SE 005 644

 DECROW, ROGER; GRABOWSKI, STANLEY
 A REGISTER OF RESEARCH AND INVESTIGATION IN ADULT EDUCATION
 ERIC CLEARINGHOUSE ON ADULT EDUCATION, SYRACUSE UNIVERSITY, NEW YORK
 68
 83
 *ANNOTATED BIBLIOGRAPHIES, *ADULT EDUCATION, *BIBLIOGRAPHIES, ABSTRACTS,
 RESEARCH, RESOURCE MATERIALS
- 12. SE 005 583

 TREDRICKSON, CLIFFORD T.

 HANDBOOK OF SCIENCE LABORATORY PRACTICES AND SAFETY

 SAN DIEGO CITY SCHOOLS, CALIFORNIA

 EDRS

 ED 023 607

 MF \$0.50

 HC \$4.80

 66

 94

 *ELEMENTARY SCHOOL SCIENCE, *LABORATORY SAFETY, *SECONDARY SCHOOL SCIENCE,

 *TEACHING GUIDES, *SAFETY, BIOLOGY, FIRST AID, GENERAL SCIENCE, INSTRUCTIONAL MATERIALS, LABORATORY PROCEDURES, PHYSICAL SCIENCES, STATE LAWS,

 SCIENCE EQUIPMENT, SAN DIEGO PUBLIC SCHOOLS, CALIFORNIA, 1966
- 13. SE 004 659

 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
- 14. SE 005 124

 GRAVES, NORA CALHOUN

 THE TWO CULTURE THEORY IN C. P. SNOW'S NOVELS

 UNIVERSITY OF SOUTHERN MISSISSIPPI, HATTIESBURG

 UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 - *CULTURE CONFLICT, *COMPARATIVE ANALYSIS, *SOCIOECONOMIC INFLUENCES, *SCIENTIFIC LITERACY, DOCTORAL THESES, HUMANITIES, LITERATURE, NOVELS, SCIENCES, SCIENTISTS, SCIENTIFIC ATTITUDES, THE TWO CULTURES

15. SE 004 736 1 18 95 37 GRUVER, WILLIAM J.; PILTZ, ALBERT

MODERN SCIENCE AND YOUR CHILD

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

16. SE 004 125 3 18 83 03

MALINOWSKY, HAROLD ROBERT

SCIENCE AND ENGINEERING REFERENCE SOURCES

LIBRARIES UNLIMITED, ROCHESTER, NEW YORK

ED 016 628

NOT AVAILABLE FROM EDRS

67 213

*BIBLIOGRAPHIES, *ENGINEERING, *INSTRUCTIONAL MATERIALS, *INFORMATION SOURCES, *MATHEMATICS, *SCIENCES, APPLIED SCIENCES, LIBRARY MATERIALS, REFERENCE MATERIALS, REFERENCE BOOKS

17. SE 004 999 1 18 95 07

MCMURRY, GLENN

INDEX TO 16MM EDUCATIONAL FILMS

MCGRAW-HILL BOOK COMPANY, NEW YORK, NEW YORK

67 954

*COLLEGE SCIENCE, *CHEMISTRY, *FILMS, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTIONAL MATERIALS, *SCIENCE EDUCATION, *SECONDARY SCHOOL SCIENCE, ASTRONOMY, BOTANY, BIOLOGICAL SCIENCES, BIOCHEMISTRY, CYTOLOGY, CONSERVATION EDUCATION, EVOLUTION, ECOLOGY, EARTH SCIENCE, GEOLOGY, HEALTH EDUCATION, INDEXES, LABORATORY TECHNIQUES, LABORATORY SAFETY, METEOROLOGY, NATURAL RESOURCES, OCEANOLOGY, PHYSICS, PHYSIOLOGY, PHYSICAL SCIENCES, REFERENCE MATERIALS, SCIENCE HISTORY, NATIONAL INFORMATION CENTER FOR EDUCATIONAL MEDIA

18. SE 004 998 1 18 95 08

MCMURRY, GLENN

INDEX TO 35MM EDUCATIONAL FILMSTRIPS

MCGRAW-HILL BOOK COMPANY, NEW YORK, NEW YORK

68 998

*COLLEGE SCIENCE, *ELEMENTARY SCHOOL SCIENCE, *FILMSTRIPS, *INSTRUCTIONAL MATERIALS, *SECONDARY SCHOOL SCIENCE, *SCIENCE EDUCATION, BIOLOGICAL SCIENCES, CHEMISTRY, CONSERVATION EDUCATION, HEALTH EDUCATION, INDEXES, LABORATORY TECHNIQUES, OCEANOLOGY, PHYSICAL SCIENCES, PHYSICS, REFERENCE MATERIALS, SCIENCE HISTORY

19. SE 005 161 1 18 09 31

RANDALL, CHARLES HAMILTON

A MATHEMATICAL FOUNDATION FOR EMPIRICAL SCIENCE - WITH SPECIAL REFERENCE TO QUANTUM THEORY. PART I - A CALCULUS OF EXPERIMENTAL PROPOSITIONS RENSSELAER POLYTECHNIC INSTITUTE

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

66 229

*LOGIC, *MATHEMATICAL LOGIC, *QUANTUM MECHANICS, DOCTORAL THESES, MATHEMATICS, PHYSICS, RESEARCH REPORTS, SCIENCES, 1966

- 20. SE 005 854
 - SCHUPACH, PAUL H.
 RECORDED TELEVISION COURSES AVAILABLE FROM GREAT PLAINS NATIONAL INSTRUCTIONAL TELEVISION LIBRARY, 1969 CATALOG
 UNIV. OF NEBRASKA, LINCOLN, GREAT PLAINS NATIONAL INSTRUCTIONAL TELEVISION
 LIBRARY
 - *CATALOGUES, *INSTRUCTIONAL TELEVISION, *INSTRUCTIONAL MATERIALS, COLLEGE SCIENCE, ELEMENTARY SCHOOL SCIENCE, EARTH SCIENCE, MATHEMATICS, PHYSICAL SCIENCES, SECONDARY SCHOOL SCIENCE, TEACHER EDUCATION
- 21. SE 004 692 1 18 93 03
 BIBLIOGRAPHY OF ENVIRONMENTAL DESIGN REFERENCES
 ERIC CLEARINGHOUSE ON EDUCATIONAL FACILITIES, MADISON, WISCONSIN
 01 00 68 60
 *BIBLIOGRAPHIES, *ENVIRONMENTAL DESIGN, *FACILITIES, ARCHITECTURE, COLLEGE SCIENCE, CHEMISTRY, ENGINEERING, PSYCHOLOGY, PHYSIOLOGY, SOCIAL ECOLOGY, SOCIAL PATHOLOGY
- 22. SE 004 807

 BIBLIOGRAPHY OF SCIENCE COURSES OF STUDY AND TEXTBOOKS GRADES K-9, 1968

 NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTON, D.C.

 NEA PUBLICATIONS SALES, 1201 SIXTEENTH STREET, N.W., WASHINGTON, D.C.

 EDRS

ED 020 146 MF \$0.50 NOT AVAILABLE IN HARD COPY

- 68 63 *BIBLIOGRAPHIES, BIOLOGY, CHEMISTRY, *ELEMENTARY SCHOOL SCIENCE, EARTH, SCIENCE, GENERAL SCIENCE, *INSTRUCTIONAL MATERIALS, JUNIOR HIGH SCHOOLS, PHYSICAL SCIENCES, *RESOURCE MATERIALS, *SECONDARY SCHOOL SCIENCE, *TEXTBOOKS, CONSERVATION EDUCATION, CURRICULUM GUIDES, LABORATORY MANUALS, OUTDOOR EDUCATION, PROGRAMED MATERIALS, SCIENCE UNITS, SCIENCE COURSE IMPROVEMENT PROJECT, TEACHING GUIDES, SCIENCE - A PROCESS APPRAOCH, BIOLOGICAL SCIENCES CURRICULUM STUDY, CONCEPTUALLY ORIENTED PROGRAMS IN ELEMENTARY SCIENCE, EARTH SCIENCE CURRICULUM PROJECT, ELEMENTARY SCIENCE STUDY PROJECT, ELEMENTARY SCIENCE STUDY, INTRODUCTORY PHYSICAL SCIENCE, MICHIGAN SCIENCE CURRICULUM COMMITTEE JUNIOR HIGH SCHOOL PROJECT, SCHOOL SCIENCE CURRICULUM PROJECT, SCIENCE CURRICULUM IMPROVEMENT STUDY, SECONDARY SCHOOL SCIENCE PROJECT, SPECIAL MATERIALS SCIENCE PROJECT, UNIVERSITY OF IOWA SECONDARY SCIENCE CURRICULUM, MINNEAPOLIS PUBLIC SCHOOLS REORGANIZED SCIENCE CURRICULUM, QUANTITATIVE ELEMENTARY SCHOOL SCIENCE PROJECT
- 23. SE 005 555 1 18 85 15
 GUIDES FOR IMPROVING SCIENCE PROGRAMS, K-12
 PHILADELPHIA SUBURBAN SCHOOL STUDY COUNCIL, PENNSYLVANIA
 INTERSTATE PRINTERS AND PUBLISHERS, DANVILLE, ILLINOIS
 - *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTIONAL MATERIALS, *PROGRAM IMPROVEMENT, *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES, AUDIOVISUAL AIDS, EVALUATION, FIELD TRIPS, LABORATORY EXPERIMENTS, PHILOSOPHY, SCIENCE FAIRS, SCIENCE EQUIPMENT

24. SE 004 832 1 18 95 31
HIGHER EDUCATION
NATIONAL CENTER FOR SCHOOL AND COLLEGE TELEVISION, BLOOMINGTON, INDIANA
4
*TELEVISION, *TELECOURSES, CURRICULUM DEVELOPMENT, CHEMISTRY, ENGINEERING, ENGLISH, GOVERNMENT, GEOGRAPHY, HIGHER EDUCATION, HISTORY, MATHEMATICS,

PHYSICS, PSYCHOLOGY, SCIENCE, VIDEO TAPE RECORDINGS

- 25. SE 003 646

 INDEX TO VOLUME 47, SCIENCE EDUCATION

 SCIENCE EDUCATION

 12 00 63

 *INDEXES, ALGEBRA, ACHIEVEMENT, BIOLOGY, CHEMISTRY, COLLEGE SCIENCE,

 CURRICULUM DEVELOPMENT, CONSERVATION, ELEMENTARY SCHOOL SCIENCE, EDUCATIONAL

 RESEARCH, EARTH SCIENCE, MATHEMATICS, OUTDOOR EDUCATION, PHYSICS,

 PHYSICAL SCIENCES, SCIENTISTS, SECONDARY SCHOOL SCIENCE, TEACHER EDUCATION,

 TALENTED STUDENTS, SCIENTIFIC LITERACY, ZOOLOGY
- 26. SE 004 837 1 18 95 22

 NCSCT TELECOURSES 1968

 NATIONAL CENTER FOR SCHOOL AND COLLEGE TELEVISION, BLOOMINGTON, INDIANA
 68 10

 *EDUCATIONAL TELEVISION, *INSERVICE TEACHER EDUCATION, *MATHEMATICS,
 *TELECOURSES, ART, HUMANITIES, HIGHER EDUCATION, HEALTH, INSTRUCTIONAL
 TELEVISION, LANGUAGE ARTS, MUSIC, PROFESSIONAL CONTINUING EDUCATION,
 SCIENCES, SOCIAL SERVICES, TELEVISION
- 27. SE 004 471

 1 18 09 37
 1967-68 NATIONAL AND REGIONAL MEETINGS FOR TEACHERS OF SCIENCE AND MATHEMATICS NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTON, D.C.

 15
 *CONFERENCES, *MATHEMATICS EDUCATION, *PROFESSIONAL ASSOCIATIONS, *SCIENCE EDUCATION, *TEACHER IMPROVEMENT, NATIONAL SCIENCE TEACHERS ASSOCIATION, NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS
- 28. SE 004 773 1 18 95 03
 SCIENCE BOOKS, A QUARTERLY REVIEW
 AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, WASHINGTON, D.C.
 05 00 68 77
 *BIBLIOGRAPHIES, *BOOK REVIEWS, *COLLEGE SCIENCE, *ELEMENTARY SCHOOL SCIENCE, ANTHROPOLOGY, EARTH SCIENCE, GEOGRAPHY, MATHEMATICS, NATURAL SCIENCES, PHYSICAL SCIENCES, SECONDARY SCHOOL SCIENCE

ERIC

- 29. SE 005 551

 SCIENCE BOOKS, A QUARTERLY REVIEW
 AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, WASHINGTON, D.C.

 09 00 68

 *ANNOTATED BIBLIOGRAPHIES, *BOOKLISTS, *MATHEMATICS, *SCIENCES, BIOLOGICAL SCIENCES, BIBLIOGRAPHIES, COLLEGE SCIENCE, ENGINEERING, ELEMENTARY SCHOOL SCIENCE, EARTH SCIENCE, GEOGRAPHY, INSTRUCTIONAL MATERIALS, PSYCHOLOGY, PHYSICAL SCIENCES, SECONDARY SCHOOL SCIENCE
- 18 95 03 SE 005 048 30. SCIENCE EDUCATION INFORMATION REPORT, GENERAL BIBLIOGRAPHY SERIES 6, TEACHER RESOURCE MATERIALS ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE EDUCATION, COLUMBUS, OHIO **EDRS** HC \$4.65 MF \$0.50 ED 021 772 05 00 68 91 *BIBLIOGRAPHIES, *RESOURCE MATERIALS, AUDIOVISUAL AIDS, BIOLOGICAL SCIENCES, COLLEGE SCIENCE, CHEMISTRY, CURRICULUM GUIDES, CONSERVATION EDUCATION, ELEMENTARY SCHOOL SCIENCE, EARTH SCIENCE, FILMS, FILMSTRIPS, HEALTH EDUCATION, INSTRUCTION, PHYSICS, PHYSICAL SCIENCES, RESOURCE UNITS, SCIENCE ACTIVITIES, SECONDARY SCHOOL SCIENCE

E. 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 numerals represent the subsection and the document number, respectively.

ADVISORY COUNCIL ON COLLEGE CHEMISTRY (C2-1)

AKRON PUBLIC SCHOOLS (B2-1)

ALLRED, FRED J. (D4-1)

ALYEA, MUBERT N. (D2-1, 2, 3, 4, 5, 6, 7, 8, 9)

AMERICAN ASSOCIATION OF SCHOOL ADMINISTRATORS (D4-2)

ANDERSON, LUCIA (D1-1)

ANDERSON, ROBERT G. (B2-2)

ANDERSON, ROY _D D. (Bl.-1)

ANDREWS, TE^{\dagger} F. (B1-2)

ANDREWS, TED F.; AND OTHERS (B1-3)

ANGELICI, ROBERT J. (C2-2)

ANKER, IRVING; LLOYD, HELENE (B4-1)

ASSOCIATION OF TEACHERS OF MATHEMATICS (A2-1)

BAKER, D. J., JR. (C2-3)

BALESHTA, T. M.; KEYS, J. D. (C2-4)

BAUMGARTEN, RONALD J. (C2-5)

BIBLER, NED E. (C2-6)

BLISS, RICHARD (B1-4)

BODLEY, ROGER; AND OTHERS (B2-3)

BOOBYER, GLYNNE J.; COX, A. PETER (C2-7)

BRAINARD, ROBERT W. (D4-3, 4)

BRENNAN, JOHN W. (D1-2)

BRILL, DIETER R.;
PERISHO, ROBERT C. (C2-8)

BRUCE, T. C. (B4-2)

BUMGARDNER, CARL L.; WAHL, GEORGE H. (C2-9)

BURACK, SOLOMON (B4-3)

BURGE, E. J.; AND OTHERS (C2-10)

BYRNE, JOHN V. (D4-5)

CALIFORNIA STATE DEPARTMENT OF EDUCATION (B1-5; D4-6, 7, 8)

CANGLISH, JOHN K. (C2-11)

CAPON, BRIAN; CAPLIN, SAMUEL M. (C1-1)

CARVAJAL, JOHN;

MUNZER, MARTHA E. (D4-9)

CASSEL, RICHARD (D2-10)

CHAFFEE, EVERETT (B2-4)

CHANG, SHIH L. (B1-6)

COFFMAN, JOAN; AND OTHERS (A1-1)

COLE, R. C. (A1-2, 3)

COMMISSION ON COLLEGE PHYSICS (C2-12)

COMMISSION ON UNDERGRADUATE EDUCATION IN THE BIOLOGICAL SCIENCES (C1-2, 3)

COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION (D4-10)

COOKE, WILLIAM BRIDGE (B1-7)

COSTA, ARTHUR L. (A1-4)

COULSON, E. H. (B2-5)

COVER, RICHARD E. (C2-13)

COX, LOUIS T. (A1-5)

CRAIG, GERALD S. (A1-6)

CROOKS, J. E.; BULMER, R. S. (C2-14)

DALTON, ROBERT H. (C2-15)

DARLING, DON (B1-8)

DAY, MYRTLE V. (A1-7; B1-9)

DECROW, ROGER;

GRABOWSKI, STANLEY (D4-11)

DEXTER, WILLIAM A. (B2-6)

DISNEY, R. H. L. (D1-3)

DUNN, LOIS E. (A1-8)

DUREN, WILLIAM L., JR. (D3-1)

DUVAL COUNTY BOARD OF PUBLIC INSTRUCTION (B1-10; B2-7)

EARTH SCIENCE CURRICULUM PROJECT (B2-8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29)

ELDERS, WILFRED (C2-16)

ELEMENTARY SCIENCE STUDY (A1-9, 10)

ERICKSON, JAY WILLIAM (A1-11)

EVANS, DENNIS H. (C2-17)

EVANS, JAMES S. (C2-18)

EWING, GALEN W. (C2-19, 20)

FEIRO, ARTHUR D. (D1-4)

FOLEY, JACK L. (A2-2; D3-2, 3)

FOWLER, JOHN M. (C2-21)

FOX, J. N. (C2-22)

FOX, J. N.; ARLOTTO, J. J. (C2-23)

FRASER, W. CLAYTON, SR. (D1-5)

FRATIELLO, ANTHONY;

SCHUSTER, RONALD E. (C2-24)

FREDRICKSON, CLIFFORD T. (D4-12)

FRIED, RAINER (D4-13)

FRIEDLANDER, M. W. (C2-25)

FUGITT, B. R.;

RUPAAL, A. S. (C2-26)

GEORGE, S. (C2-27)

GLASS, BENTLEY (B1-11)

GOTTLIEB, HERBERT H. (B2-30; D2-11)

GRAVES, NORA CALHOUN (D4-14)

GRISWOLD, ROBERT;

HAUGH, JOHN F. (C2-28)

GRUVER, WILLIAM J.;

PILTZ, ALBERT (D4-15)

HALLIWELL, H. F. (B2-31)

HAMMERMAN, DONALD R.

HAMMERMAN, WILLIAM M. (D1-6)

HANCOCK, J. E. H. (C2-29, 30)

HARRIS, JOHN; WATSON, FLETCHER (B2-32)

HART, JOHN B.;

HERRMANN, ROBERT B. (C2-31)

HELLER, R. (D1-7)

HENDRICKSON, H. STEWART;

SRERE, PAUL A. (C2-32)

HILLMAN, THOMAS P. (D3-4)

HOLT, CHARLES E.; CHOE, DAVID T. (D1-8)

HONE, ELIZABETH B.; AND OTHERS (A1-12)

HOPMAN, ANNE B. (A1-13)

HUBBELL, LAWRENCE (A1-14)

IDAHO STATE DEPARTMENT OF EDUCATION (D3-5)

ILLINOIS STATE DEPARTMENT OF PUBLIC INSTRUCTION (D1-9)

JACOBSON, WILLARD; KONDO, ALLAN (A1-15)

JENKINS, E. W. (C2-33)

JONES, JERRY L. (C2-34)

JUMP, JOHN A. (D1-10)

KAMBLY, PAUL E.;

SUTTLE, JOHN E. (A1-16)

KAUFFMAN, GEORGE B.;

AND OTHERS (C2-35)

KAY, R. H. (C1-4)

KENNEDY, LEONARD M. (A2-3)

KENTY, CARL (C2-36)

KILNER, M.; SMITH, J. M. (C2-37)

KLINGE, PAUL (D1-11)

KOCH, ARTHUR L.;

CRANDALL, MARJORIE (D1-12)

LANES, ROSE M.;

LEE, DONALD G. (C2-38)

LEE, ADDISON (B1-12)

LEGAARD, KENNETH J.;

SVENDSEN, ROBERT G. (B2-33)

LEHMAN, DAVID L. (B1-13)

LEWIS, JUNE E.;

POTTER, IRENE C. (A1-17)

LINCOLN PUBLIC SCHOOLS (A1-18)

MAHLER, FRED (B4-4)

MALINOWSKY, HAROLD ROBERT (D4-16)

MELGAARD, KENNETH G. (D2-12)

MERRILL, JOHN R. (C2-39, 40)

METCALFE, WILLIAM W. $(\Delta 1-19, 20, 21)$

MICHIGAN STATE DEPARTMENT

OF EDUCATION (D3-6)

MILLSTONE, H. GEORGE (B2-34)

MORGAN, R. F. (B1-14, 15, 16, 17)

MULDAWER, L.;

MEINERS, H. F. (C2-41)

MUSKER, W. KENNETH (C2-42)

MUUSS, ROLF E. (A1-22)

MYERS, J. WALTER (D1-13)

MCBURNEY, WENDELL F. (B1-18; D1-14)

MCCOMB, PATRICIA (B1-19)

MCCOMMINS, ROBERT; AND OTHERS (B4-5)

MCGUINNESS, E. T.; CLARKE, K. S. (D2-13)

MCMURRY, GLENN (D4-17, 18)

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (D2-14)

NATIONAL SCIENCE TEACHERS ASSOCIATION (B4-6)

NEIDIG, H. A.; AND OTHERS (C2-43)

NEUBERGER, HAROLD T. (A1-23)

NEW YORK CITY BOARD OF EDUCATION (B3-1)

NEW YORK CITY DEPARTMENT OF EDUCATION (A1-24; B3-2)

O'HARA, JAMES (D1-15)

ORLANS, F. BARBARA (B1-20)

OTHS, FLORENCE, V. (A1-25)

PANUSH, LOUIS (B4-7)

PEEK, THOMAS H.; AND OTHERS (C2-44)

PERKES, V. A. (A1-26)

PILTZ, ALBERT; SUND, ROBERT (A1-27)

POLLACK, JACK HARRISON (B1-21)

PROTHEROE, DONALD W. (A1-28)

RANDALL, CHARLES HAMILTON (D4-19)

RHODES, LEE W. (B1-22)

RICHARDS, AUDREY; AND OTHERS (A1-29)

ROBERTSTAD, GORDON W.; AND OTHERS (D1-16) ROBERTSTAD, GORDON W.; SCARPINO, PASQUALE V. (D1-17)

RODRIGUEZ, F. (D2-15)

ROGERS, L. B. (D2-16)

ROMER, R. H. (D2-17)

ROMIG, RONALD F. (D1-18)

RUBINSTEIN, MAX; AND OTHERS (B3-3)

RUCHLIS, HY (D2-18)

RUFOLO, DANIEL O. (B2-35)

SALTINSKI, RONALD (B1-23)

SAMPLE, THOMAS E., JR.; HATCH, LEWIS F. (C2-45)

SANDERS, WILLIAM J.;
BLOOMBERG, WILFRED (B1-24)

SCARPINO, PASQUALE V. (D1-19, 20)

SCHERER, GEORGE;

SAKURAI, RICHARD S. (D2-19)

SCHERER, ROBERT H. (D1-21)

SCHRIER, EUGENE E. (C2-46)

SCHUPACH, PAUL H. (D4-20)

SCIENCE CURRICULUM IMPROVEMENT

STUDY (A1-30)

SEAGER, DOUGLAS B. (A1-31)

SHANK, RUSSELL (D2-20)

SHANKEL, DELBERT M.; ARNOLD, W. J. (D1-22)

SIMON, HAROLD J. (B1-25)

SLAGG, NORMAN (B2-36)

SMITH, FOSTER D., JR.; AND OTHERS (C2-47)

SMITH, ROBERT B. (C2-48)

SMITHERS, A. G.; WILSON, K. (D1-23)

SOJKA, GARY A. (D1-24)

STAJDOHAR, RALPH E.; TOWLE, LAIRD C. (C2-49)

STEELE, PETER (B1-26)

STEERE, NORMAN V. (D2-21, 22, 23, 24, 25, 26, 27, 28, 29)

TANNENBAUM, HAROLD E.;
AND OTHERS (A1-32)

TELFAIR, DAVID (C2-50)

THOMPSON, PETER (B4-8)

TOREN, E. CLIFFORD, JR. (C2-51)

TRAIN, RUSSELL E. (D1-25)

TREADO, PAUL A.; LAMBERT, JAMES M. (C2-52)

TRIEGER, SEYMOUR (A1-33)

TROUT, VERDINE E. (A1-34)

TUTTLE, FREDERICK B. (A1-35)

UNGERLEIDER, J. THOMAS (B1-27)

UTAH STATE DEPARTMENT OF PUBLIC INSTRUCTION (B3-4)

VAN BROCKLIN, RALPH (D2-30)

VAN OVERBEEK, JOHANNES (B1-28)

VISWANATHAN, ARCOT (D2-31)

WAILES, JAMES R. (A1-36, 37)

WALTER, WILLIAM G. (D1-26)

WEAVER, ELBERT C. (B1-29)

WEAVER, RICHARD L. (D1-27)

WEINBERG, ALVIN M. (C2-54)

WELCH, WAYNE W. (B2-37)

WITTERS, WELDON L. (D1-28)

WORLEY, JOHN D.;

FUSSARO, DAVID R. (C2-55)

YAMANA, SHUKICHI (D2-32)

YAMANASHI, BILL S.;

NOWAK, ANDREW V. (C2-56)

F. UNAUTHORED ARTICLES

AEROSPACE TEACHING AIDS ABUNDANT, EASY TO OBTAIN (D2-33)

ALL ABOUT YOU (A1-38)

AMERICAN OPTICAL REPORTS ON TEACHING WITH THE MICROSCOPE (B1-30)

ANNUAL INDEX, SCIENCE AND CHILDREN, VOLUME 5, SEPTEMBER, 1967 - MAY, 1968 (A1-39)

BIBLIOGRAPHY (D1-29)

BIBLIOGRAPHY OF ENVIRONMENTAL DESIGN REFERENCES (D4-21)

BIBLIOGRAPHY OF SCIENCE COURSES OF STUDY AND TEXTBOOKS GRADES K-9, 1968 (D4-22)

BIBLIOGRAPHY OF SCIENCE COURSES OF STUDY AND TEXTBOOKS, GRADES 7-12 (B4-9)

COLOR AND CHANGE (A1-40)

DRAFT STATEMENTS ON CRITICAL ISSUES CONFRONTING THE SCIENCE TEACHING PROFESSION (B4-10)

ERC LIFE SCIENCE SUPPLEMENTAL GUIDE FOR TEACHERS, SECOND EXPERIMENTAL EDITION (B1-31)

FLY FACTS - ON RAISING HOUSE FLIES (D1-30)

GUIDES FOR IMPROVING SCIENCE PROGRAMS, K-12 (D4-23)

HIGHER EDUCATION (D4-24)

IMPACT OF SCIENCE ON SOCIETY, SPECIAL ISSUE ON MICROBIOLOGY, VOLUME XVII, NO. 3 (D1-31)

IMPORTANT CHARACTERISTICS OF A GOOD LOCAL PROGRAM OF CONSERVATION EDUCATION (D1-32)

INDEX TO SELECTED OUTDOOR RECREATION LITERATURE, VOLUME I (D1-33)

INDEX TO VOLUME 29 - AMERICAN BIOLOGY TEACHER (B1-32)

INDEX TO VOLUME 35, AMERICAN JOURNAL OF PHYSICS (D2-34)

INDEX TO VOLUME 47, SCIENCE EDUCATION (D4-25)

INDUSTRIAL CHEMISTRY BOOKLIST (C1-57)

LET'S INVESTIGATE (A1-41)

A LIST OF "GIMMICKS" FOR USE WITH JUNIOR HIGH SCHOOL STUDENTS (B3-5)

NATURE CENTERS, OPEN SPACE, NATURAL AREAS, OUTDOOR LABORATORIES AND NATURE PARKS (D1-34)

NCSCT TELECOURSES 1968 (D4-26)

1967-68 NATIONAL AND REGIONAL MEETINGS FOR TEACHERS OF SCIENCE AND MATHEMATICS (D4-27)

A NOVEL SYNTHESIS OF MAGNESIUM CARBINE (D2-35)

PAPERBACK BOOKS IN CHEMISTRY AND RELATED SCIENCES (D2-36)

PATTERNS (A2-4)



g,

PATTERNS IN ARITHMETIC (A2-5)

THE PHYSICIST IN INDUSTRY (D2-37)

RECOMMENDATIONS ON THE UNDERGRADUATE MATHEMATICS PROGRAM FOR WORK IN COMPUTING (D3-7)

RESOURCE GUIDE FOR TEACHING THE OUTDOORS, INTERMEDIATE (A1-43)

RESOURCE GUIDE FOR TEACHING THE OUTDOORS, JUNIOR HIGH (B1-33)

RESOURCE GUIDE FOR TEACHING THE OUTDOORS, PRIMARY (A1-42)

SCIENCE BOOKS, A QUARTERLY REVIEW (D4-28)

SCIENCE BOOKS, A QUARTERLY REVIEW (D4-29)

SCIENCE EDUCATION INFORMATION REPORT, GENERAL BIBLIOGRAPHY SERIES 6, TEACHER RESOURCE MATERIALS (D4-30)

SCIENCE, SUGGESTIONS FOR TEACHING (A1-44)

SOCIAL BIOLOGY FOR THE SCHOOL LEAVER (B1-34)

SYLLABUS IN SCIENCE (B4-11)

SYSTEMS AND SUBSYSTEMS, TEACHER'S GUIDE (A1-45)

THE TEN-NESS OF ARITHMETIC FOR TEACHERS IN THE PUBLIC SCHOOLS OF HAWAII (A2-6)

TWENTY-FIVE KEY GUIDES FOR PREPARING CONSERVATION-EDUCATION PUBLICATIONS (D1-35)

