ED 026 286

SE 006 350

Science Education Information Report, General Bibliography Series 20, Teacher Characteristics, Student Characteristics.

ERIC Information Analysis Center for Science Education, Columbus, Ohio.

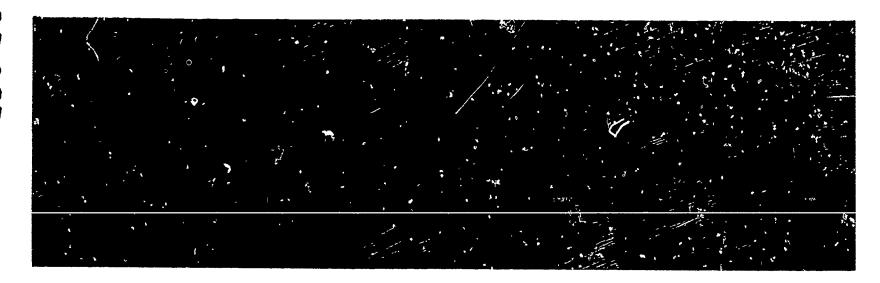
Pub Date Jan 69

Note-25p.

EDRS Price MF-\$0.25 HC-\$1.35

Descriptors-*Bibliographies, Biology, College Science, Educationally Disadvantaged, Elementary School Science, Physical Sciences, *Science Education, *Science Teachers, Secondary School Science, Slow Learners, Student Attitudes, *Student Characteristics, Teacher Attitudes, *Teacher Characteristics, Teacher Evaluation

This is the tenth in the second series of general bibliographies developed to disseminate information on documents analyzed at the ERIC Information Analysis Center for Science Education. Reported are some 67 citations of selected documents in the areas of (1) teacher characteristics, and (2) student characteristics. The documents include research reports, research reviews, and position papers. Citations are listed under the major areas in alphabetical order by author and indicate source, availability, and major ideas of the document. This bibliography is available at no cost, while the supply lasts, from the ERIC Information Analysis Center for Science Education, 1460 West Lane Avenue, Columbus, Ohio 43221. It updates, but does not replace, the earlier bibliography produced in this area by the Center. (CR)



General Bibliography Series Bibliography 20 Teacher Characteristics Student Characteristics

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 20

Teacher Characteristics
Student Characteristics

ERIC Information Analysis Center for Science Education 1460 West Lane Avenue Columbus, Ohio 43221

January, 1969



BIBLIOGRAPHY 20

Table of Contents		Page
A.	Teacher Characteristics	1
В.	Student Characteristics	6
C.	Author Index	18



SCIENCE EDUCATION INFORMATION

REPORTS

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

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

GENERAL BIBLIOGRAPHIES

The *General Bibliographies* are being developed to announce the documents acquired and processed by the ERIC Information Analysis Center for Science Education. The bibliographies will focus on general topics. This bibliography announces most documents related to the topic that were included in the second 2,000 documents processed by this Center. It supplements *General Bibliography 5*. 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 003 067 (2) 02 27 68 (3) 10 92 29 (4) 1 (5) 00 000 007
- (6) SIMENDINGER, ELIZABETH A.
- (7) TEAM TEACHING IN SCIENCE
- (8) THE SCIENCE TEACHER
- (9) 10 00 67 (10) 3
- (11) *CURRICULUM DEVELOPMENT, *INSTRUCTION, *SECONDARY SCHOOL SCIENCE, *SCIENCE FACILITIES, *TEAM TEACHING, BIOLOGY, CHEMISTRY, EARTH SCIENCE, GENERAL SCIENCE, PHYSICS, PROGRAM DESCRIPTION, NATIONAL SCIENCE FOUNDATION, INTRODUCTORY PHYSICAL SCIENCES, EARTH SCIENCE CURRICULUM PROJECT

EXPLANATION OF BIBLIOGRAPHIC CITATION

(1) (SE 003 067)

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) (02 27 68)

The second field contains the date the citation was typed at this Center (February 27, 1968).

(3) (10 92 29)

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) 1

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

(5) (00 000 007)

The source of the document has also been coded for computer search. This number identifies where the document can be obtained. It usually designates the same source as field seven.



(6) SIMENDINGER, ELIZABETH A.

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

(7) TEAM TEACHING IN SCIENCE

Title of the document.

(8) THE SCIENCE TEACHER

This indicates where the document was obtained by the Center.

(9) (10 00 67)

This field designates the publication date of the document (October, 1967). 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) 3

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

(11) *CURRICULUM DEVELOPMENT, *INSTRUCTION, *SECONDARY SCHOOL SCIENCE, *SCIENCE FACILITIES, *TEAM TEACHING, BIOLOGY, CHEMISTRY, EARTH SCIENCE, GENERAL SCIENCE, PHYSICS, PROGRAM DESCRIPTION, NATIONAL SCIENCE FOUNDATION, INTRODUCTORY PHYSICAL SCIENCES, EARTH SCIENCE CURRICULUM PROJECT

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. TEACHER CHARACTERISTICS

1. SE 002 021 11 06 67 12 82 17 2
BLUM, SIDNEY
THE VALUE OF SELECTED VARIABLES IN PREDICTING RATING SUCCESS IN TEACHING SCIENCE

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

66 159
*DISSERTATIONS, *PREDICTION, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, *TEACHER CHARACTERISTICS, *TEACHER EVALUATION, SUPERVISION, EVALUATION, EFFECTIVE TEACHING, 1966, BALTIMORE, MARYLAND

22 000 319

00 000 190

2. SE 003 361 06 10 68 12 81 17 2
BURNS, JOHN W. AND SMITH, GARY R.
ANALYSIS OF AV ELEMENTS IN SCIENCE TELELESSONS

AUDIOVISUAL COMMUNICATION REVIEW

*ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *RESEARCH REPORTS, EDUCATIONAL TELEVISION, GRADE 5, INTERACTION PROCESS ANALYSIS, RESEARCH METHODOLOGY, TELEVISION TEACHERS, 1966

3. SE 002 025 10 30 67 12 83 17 3 22 000 319 CRAVEN, GENE FRANCIS CRITICAL THINKING ABILITIES AND UNDERSTANDING OF SCIENCE BY SCIENCE TEACHER-CANDIDATES AT OREGON STATE UNIVERSITY

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

*COLLEGE SCIENCE, *RESEARCH REPORTS, *SCIENCE ATTITUDES, *SCIENCE CONCEPTS, *TEACHER CHARACTERISTICS, DISSERTATIONS, TEACHER EDUCATION, 1966, OREGON STATE UNIVERSITY, CORNELL CRITICAL THINK-ING TEST, TEST ON UNDERSTANDING SCIENCE, SCHOLASTIC APTITUDE TEST

4. SE 003 181 03 19 68 12 86 17 2 22 000 319 GARRETT, JOHN L., JR.
A STUDY OF THE STATUS AND THE EMPLOYMENT HISTORIES OF WHITE COLLEGE GRADUATES CERTIFIED AS SCIENCE TEACHERS IN LOUISIANA 1947-1956

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

*EMPLOYMENT PATTERNS, *TEACHER CHARACTERISTICS, *TEACHER QUALIFICATIONS, *TEACHER EDUCATION, DOCTORAL THESES, FEMALES, MALES, RESEARCH REPORTS, TEACHER SUPPLY AND DEMAND, LOUISIANA, 1959



5. SE 002 443 02 14 68 12 86 25 1
KLEINMAN, GLADYS S.
ASSESSING TEACHING EFFECTIVENESS - THE STATE OF THE ART

SCIENCE EDUCATION

04 00 66 5
*BEHAVIOR PATTERNS, BIBLIOGRAPHIES, *EFFECTIVE TEACHING, *RESEARCH METHODOLOGY, *RESEARCH REVIEWS, TEACHER RATING, *TEACHER BE-HAVIOR, *TEACHER CHARACTERISTICS

00 000 006

00 000 006

6. SE 003 852 03 08 68 12 82 17 1
KLEYENSTEUBER, CARL J.
GROUP CLASSIFICATIONS OF TEACHERS WITH EVALUATIVE ATTITUDES
FAVORABLE TO SCIENCE STUDY

SCIENCE EDUCATION

04 00 61 2
*ATTITUDES, *EVALUATION, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, *TEACHER CHARACTERISTICS, TEACHER ATTITUDES, STUDY OF VALUES, 1956

7. SE 002 387 07 12 68 12 82 17 2 22 000 319 MEINHOLD, RUSSELL AN ANALYSIS OF THE SCORES OF SCIENCE TEACHERS ON A TEST OF THE METHODOLOGY OF SCIENCE

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

*KNOWLEDGE LEVEL, *SCIENCE TEACHERS, *SCIENTIFIC METHODOLOGY, *TEACHER CHARACTERISTICS, DOCTORAL THESES, PHILOSOPHY, RESEARCH REPORTS, SCIENCE INSTITUTES, SECONDARY SCHOOL SCIENCE, SCIENCE TESTS, SUMMER INSTITUTES, TESTS, NATIONAL SCIENCE FOUNDATION, TEST ON THE METHODOLOGY OF SCIENCE, 1961

8. SE 003 248 03 04 68 12 86 17 2 00 000 021

MERRILL, REED M.

COMPARISON OF EDUCATION STUDENTS, SUCCESSFUL SCIENCE TEACHERS

AND EDUCATIONAL ADMINISTRATORS ON THE EDWARD PPS

JOURNAL OF EDUCATIONAL RESEARCH

*ADMINISTRATIVE PERSONNEL, *PERSONALITY ASSESSMENT, *RESEARCH REPORTS, *SCIENCE TEACHERS, *STUDENT CHARACTERISTICS, *TEACHER CHARACTERISTICS, *ADMINISTRATOR CHARCTERISTICS, COMPARATIVE ANALYSIS, SECONDARY SCHOOL SCIENCE, TEACHER EDUCATION, EDWARDS PERSONAL PREFERENCE SCHEDULE, AMERICAN YEAR INSTITUTE, NATIONAL SCIENCE FOUNDATION



9. SE 002 151 03 08 68 12 82 17 1 00 000 021 MERRILL, REED M. AND JEX, FRANK B.

JOURNAL OF EDUCATIONAL RESEARCH

ROLE CONFLICT IN SUCCESSFUL SCIENCE TEACHERS

*EVALUATION, *RESEARCH REPORTS, *ROLE CONFLICT, *TEACHER
CHARACTERISTICS, MATHEMATICS, RESEARCH METHODOLOGY, ROLE THEORY,
SECONDARY SCHOOL SCIENCE, TEACHER ATTITUDES, TESTING, NATIONAL
SCIENCE FOUNDATION, UNIVERSITY OF UTAH, 1957, COOPERATIVE MECHANICS
OF EXPRESSION HIGHER LEVEL, COOPERATIVE GENERAL SCIENCE, COOPERATIVE MATHEMATICS PRETEST FOR COLLEGE STUDENTS, COOPERATIVE
CHEMISTRY, COOPERATIVE PHYSICS, COOPERATIVE BIOLOGY, THE MILLER
ANALOGY TEST, THE MINNESOTA TEACHER ATTITUDE INVENTORY, THE STRONG
VOCATIONAL INTEREST BLANK FOR MEN, TEACHER SENTENCE COMPLETION
TEST, THE EDWARDS PERSONAL PREFERENCE SCHEDULE, FLANAGAN
INGENUITY TEST

10. SE 003 373 05 29 68 12 82 17 1 00 000 073
NAVARRA, JOHN GABRIEL AND DUGAN, RUTH ROBERTA
A PILOT STUDY TO DETERMINE THE RELATIVE IMPORTANCE OF SELECTED
PERSONAL AND PROFESSIONAL FACTORS IN THE SUCCESS OF THE STUDEN'T
TEACHER IN SCIENCE

JOURNAL OF EXPERIMENTAL EDUCATION

*STUDENT TEACHING, *STUDENT CHARACTERISTICS, *TEACHER EDUCATION, CAREER CHOICE, PERSONALITY ASSESSMENT, RESEARCH REPORTS, STUDENT EVALUATION, SECONDARY SCHOOL SCIENCE, TEACHER CHARACTERISTICS, TEACHER SELECTION, TEACHER RATING, CRITICAL TEACHER BEHAVIOR SCALE, DUGAN TEACHER ACTION INVENTORY, COOPERATIVE TESTS LIFE GOALS SCALE, PROFESSIONAL VIEWPOINT SCALE, 1963

11. SE 002 110 09 06 67 12 32 20 PHILLIPS, MELBA THE TEACHER RECOGNITION PROGRAM

2 20

1

00 000 009

THE PHYSICS TEACHER

05 00 67 2
*PHYSICS TEACHERS, *SECONDARY SCHOOL SCIENCE, PHYSICS, TEACHER
CHARACTERISTICS, TEACHER RECOGNITION PROGRAM

1

00 000 002

12.

12 75 17

RANIA, T. N. HOW WEIL DO PROSPECTIVE TEACHERS KNOW GENERAL SCIENCE?

SCIENCE EDUCATION

04 00 67 3
*ELEMENTARY SCHOOL SCIENCE, *GENERAL SCIENCE, *JUNIOR HIGH SCHOOL
SCIENCE, *TEACHER QUALIFICATIONS, *TEACHER EDUCATION, INTERNATIONAL
EDUCATION, RESEARCH REPORTS, SECONDARY SCHOOL SCIENCE, TEACHER
CHARACTERISTICS, INDIA, 1965

13. SE 002 623 04 18 68 12 33 19 SCHIFF, L. I. SOME THOUGHTS ON CLASSROOM TEACHING

AMERICAN JOURNAL OF PHYSICS

*COLLEGE SCIENCE, *SCIENCE EDUCATION HISTORY, *INSTRUCTION, *PHYSICS, *SCIENCE EDUCATION, *TEACHER CHARACTERISTICS, AWARDS, OERSTED MEDALIST, AMERICAN ASSOCIATION OF PHYSICS TEACHERS

14. SE 002 044 03 06 68 11 83 17 2 22 000 319 SEEBURGER, GEORGE H.
A COMPARISON OF BACCALAUREATE SCIENCE AND MATHEMATICS EDUCATION GRADUATES (1953-63) ACTIVE AND INACTIVE IN MATHEMATICS AND SCIENCE EDUCATION IN 1964

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

*COLLEGE SCIENCE, DOCTORAL THESES, EMPLOYMENT, *MATHEMATICS EDUCATION, *RESEARCH REPORTS, *SCIENCE EDUCATION, *TEACHER EDUCATION, *TEACHER EDUCATION, *TEACHER PLACEMENT, *TEACHER SHORTAGES, *TEACHER CHARACTERISTICS, GEORGIA, 1964

15. SE 002 462 05 29 68 12 86 17 1 00 000 008 SIEBER, JOAN E. PROBLEM SOLVING BEHAVIOR OF TEACHERS AS A FUNCTION OF CONCEPTUAL STRUCTURE

JOURNAL OF RESEARCH IN SCIENCE TEACHING

03 00 64 5
*ABSTRACT REASONING, *COMPARATIVE ANALYSIS, *PROBLEM SOLVING,
*TEACHER CHARACTERISTICS, RESEARCH REPORTS, TEACHER BEHAVIOR,
TEACHER EDUCATION, SENTENCE COMPLETION TEST (CONCEPTUAL
STRUCTURE), 1964

16. SE 003 554 03 20 68 12 82 17 1
SPORE, LEROY
THE COMPETENCIES OF SECONDARY SCIENCE TEACHERS

SCIENCE EDUCATION

10 00 62 16
*EFFECTIVE TEACHING, *RESEARCH REPORTS, *SCIENCE TEACHERS, *SECONDARY SCHOOL SCIENCE, *TEACHER CHARACTERISTICS, *TEACHER EDUCATION, DOCTORAL THESES, EDUCATIONAL PROGRAMS, NATIONAL ASSOCIATION FOR RESEARCH IN SCIENCE TEACHING, 1960, CALIFORNIA DEFINITION OF TEACHER COMPETENCE

00 000 006

00 000 002

17. SE 003 295 09 25 68 12 91 20 1 00 000 022 TODD, VIVIAN EDMISTON WOMEN TEACHERS' ATTITUDE TOWARD SCIENCE IN THE CLASSROOM

ELEMENTARY SCHOOL JOURNAL

04 00 58 3
*ELEMENTARY SCHOOL SCIENCE, *FEMALES, *SCIENCE TEACHERS, *TEACHER
ATTITUDES, *TEACHER CHARACTERISTICS, ATTITUDES, STUDENT INTERESTS

18. SE 002 522 09 24 68 12 30 20 1
WEINER, CHARLES
JOSEPH HENRY AND THE RELATIONS BETWEEN TEACHING AND RESEARCH

AMERICAN JOURNAL OF PHYSICS

12 00 66 8
*PHYSICS, *SCIENCE HISTORY, CHEMISTRY, INSTRUCTION, MATHEMATICS, RESEARCH, SCIENCE RESEARCH, TEXTBOOKS, TEXTBOOK PREPARATION, JOSEPH HENRY

19. SE 002 187 10 10 67 12 92 17 1 00 000 021 WHITE, KENNETH E.
WHERE ARE THEY NOW? - A STUDY OF TEACHER SUPPLY IN MATHEMATICS AND SCIENCE

JOURNAL OF EDUCATIONAL RESEARCH

*RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, *TEACHER SUPPLY AND DEMAND, CHEMISTRY, MATHEMATICS, PHYSICS, TEACHER CHARACTERISTICS, TEACHING CAREERS, MICHIGAN, CENTRAL MICHIGAN COLLEGE, 1958

B. STUDENT CHARACTERISTICS

1. SE 002 405 02 14 68 13 82 17 1
ANDERSON, JOHN E., JR. AND NEELEY, MELVIN C.
ATTITUDE OF SCIENCE CAMP STUDENTS TOWARD VARIOUS SCIENCES

00 000 006

00 000 006

22 000 319

SCIENCE EDUCATION

04 00 67 2

*RESEARCH REPORTS, *STUDENT CHARACTERISTICS, *STUDENT ATTITUDES, *SECONDARY SCHOOL SCIENCE, SCIENCE CAMPS, STUDENT INTERESTS, 1967, FLORIDA STATE UNIVERSITY

2. SE 003 638 06 10 68 13 82 17 2
ANDERSON, KENNETH E.
A COMPARATIVE STUDY OF STUDENT SELF-RATINGS ON THE INFLUENCE OF INSPIRATIONAL TEACHERS IN SCIENCE AND MATHEMATICS IN 'THE DEVELOPMENT OF INTELLECTUAL CURIOSITY, PERSISTENCE AND A

SCIENCE EDUCATION

*MATHEMATICS EDUCATION, *SECONDARY SCHOOL SCIENCE, *STUDENT ATTITUDES, *TEACHER INFLUENCE, *TEACHER CHARACTERISTICS, CURIOSITY, PERSISTENCE, RESEARCH REPORTS, STUDENT CHARACTERISTICS

3. SE 002 332 02 08 68 13 92 17 2 22 000 319 BAILEY, DONALD ETHERIDGE AN ANALYSIS OF SCIENCE MISCONCEPTIONS HELD BY SECONDARY SCHOOL PUPILS IN NORTH CAROLINA

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

*ACHIEVEMENT, *GENERAL SCIENCE, *RESEARCH REPORTS, *SCIENTIFIC LITERACY, *STUDENT CHARACTERISTICS, BIOLOGY, DOCTORAL THESES, FEMALES, MALES, PHYSICAL SCIENCES, SCIENTIFIC CONCEPTS, NORTH CAROLINA, *SOCIOECONOMIC INFLUENCES, GENERAL SCIENCE INVENTORY FORM, SECONDARY SCHOOL SCIENCE, 1962

4. SE 002 022 11 06 67 22 92 17 2
BEDWELL, THOMAS HOWARD
A CRITICAL ANALYSIS OF THE PHYSICAL SCIENCE AND SUPPORTING
MATHEMATICS INSTRUCTION IN THE SECONDARY SCHOOLS OF SOUTH
DAKOTA

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

*ACADEMIC ACHIEVEMENT, *CURRICULUM, *CHEMISTRY, *DISSERTATIONS, *EDUCATIONAL PROGRAMS, *MATHEMATICS, *PHYSICS, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, *STUDENT CHARACTERISTICS, SEVEN STATE PROJECT, 1966, COOPERATIVE CHEMISTRY TEST, COOPERATIVE PHYSICS

TEST, COOPERATIVE MATHEMATICS TEST, SCIENCE COLLEGE ABILITY TEST, SEQUENTIAL TESTS OF EDUCATIONAL PROGRESS, SOUTH DAKOTA



BERNHARDT, FRANK LEON
FACTORS PREDICTING SEVENTH GRADE STUDENTS, INTEREST FOR AND
ACHIEVEMENT IN SCIENCE

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

DISSERTATIONS, *PREDICTION, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, *STUDENT INTEREST, *SCIENTIFIC CAREERS, *STUDENT CHARACTERISTICS, *ACADEMIC ACHIEVEMENT, GRADE 7, INTELLIGENCE, MATHEMATICS, READING ABILITY, 1965

6. SE 002 337 07 08 68 22 35 17 2 22 000 319
BOLTE, JOHN RAY
A STATISTICAL ANALYSIS OF THE BACKGROUNDS OF STUDENTS TAKING
THE FIRST COURSE IN PHYSICS AT THE STATE UNIVERSITY OF IOWA

*ACHIEVEMENT, *ACADEMIC ACHIEVEMENT, *COLLEGE SCIENCE, *EDUCATIONAL BACKGROUND, *MATHEMATICS, *PHYSICS, *SECONDARY SCHOOL SCIENCE, *STUDENT BACKGROUNDS, DOCTORAL THESES, PREDICTION, RESEARCH REPORTS, STATE UNIVERSITY OF IOWA, 1962

7. SE 002 175 10 10 67 13 81 17 1 00 000 021
BROWN, STANLEY B.
SCIENCE INFORMATION AND ATTITUDES POSSESSED BY CALIFORNIA
ELEMENTARY SCHOOL PUPILS

JOURNAL OF EDUCATIONAL RESEARCH

SCIENCE EDUCATION

03 00 54 4
*ACADEMIC ACHIEVEMENT, *ELEMENTARY SCHOOL SCIENCE, RESEARCH
REPORTS, *STUDENT CHARACTERISTICS, *STUDENT ATTITUDES, ACHIEVEMENT,
CALIFORNIA, 1951

8. SE 002 403 02 14 68 13 12 17 1 00 000 006 CAIN, RALPH W.
AN ANALYSIS OF RELATIONSHIPS BETWEEN ACHIEVEMENT IN HIGH SCHOOL BIOLOGY AND MATHEMATICS APTITUDE AND ACHIEVEMENT

04 00 67 3
*ACADEMIC ACHIEVEMENT, *BIOLOGY, *CURRICULUM, *MATHEMATICS,
*RESEARCH REPORTS, *STUDENT CHARACTERISTICS, *SECONDARY SCHOOL
SCIENCE, APTITUDE, CONVENTIONAL INSTRUCTION, SCIENCE COURSE
IMPROVEMENT PROJECT, BIOLOGICAL SCIENCES CURRICULUM STUDY,
1966

51 000 359

00 000 006

9.

COLLEGE ENTRANCE EXAMINATIONS BOARD

60 131 *TALENT, *TALENT INDENTIFICATION, *TALENT DEVELOPMENT, *STUDENT CHARACTERISTICS, ABLE STUDENTS, HIGHER EDUCATION, PREDICTION, 1960

10. SE 003 156 03 06 68 19 22 17 00 000 417 EDWARDS, T. BENTLEY AND WILSON, ALAN B. THE ASSOCIATION BETWEEN INTEREST AND ACHIEVEMENT IN HIGH SCHOOL CHEMISTRY

EDUCATIONAL AND PSYCHOLOGICAL MEASUREMENT

59 *ACADEMIC ACHIEVEMENT, *CHEMISTRY, *RESEARCH REPORTS, *STUDENT CHARACTERISTICS, *SECONDARY SCHOOL SCIENCE, MOTIVATION, STUDENT INTERESTS, UNITED STATES OFFICE OF EDUCATION, ANDERSON CHEMISTRY TEST, 1959

SE 002 208 02 07 68 11. 13 85 20 ELECTRONIC INDUSTRIES ASSOCIATION PLANNING A CAREER IN ELECTRONICS

SCIENCE EDUCATION

ELECTRONIC INDUSTRIES ASSOCIATION, 2001 EYE STREET, N. W., WASHINGTON D. C.

65 *CAREERS, *ELECTRONICS, *SCIENCE CAREERS, COLLEGE SCIENCE, SECONDARY SCHOOL SCIENCE, VOCATIONAL COUNSELING, VOCATIONAL INTERESTS, VOCATIONAL EDUCATION

1

SE 002 835 02 32 68 13 86 20 12. 1 FRIERSON, EDWARD C. ¿ STUDY OF DIFFERENCES BETWEEN GIFTED CHILDREN FROM UPPER AND LOWER STATUS COMMUNITIES

04 00 65 *ABLE STUDENTS, *CULTURALLY DISADVANTAGED, *CULTURALLY ADVANTAGED, *SOCIOECONOMIC INFLUENCES, CULTURAL INFLUENCES, PERSONALITY, STUDENT CHARACTERISTICS, RESEARCH REPORTS, STUDENT BEHAVIOR, CLEVELAND MAJOR WORK PROGRAM, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, 1963, CHILDREN'S PERSONALITY QUESTIONNAIRE

- SE 902 030 11 06 67 **19** 33 17 13. FULWOOD, WILLIAM EDWARD, JR. SELECTED FACTORS AS RELATED TO ACHIEVEMENT IN COLLEGE PHYSICS UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 - 65 143 *ACADEM_ 'ACHIEVEMENT, *ACHIEVEMENT, *COLLEGE SCIENCE, *PHYSICS, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, HIGH SCHOOL PHYSICS, PREDICTION, STUDENT CHARACTERISTICS, TEACHER CHARACTERISTICS, UNIVERSITY OF GEORGIA, 1965, 1963
- 00 000 008 1 SE 002 427 09 18 67 03 82 17 14. GATEWOOD, CLAUDE W. THE EFFECT OF THE OKLAHOMA STATE UNIVERSITY TRAVELING SCIENCE TEACHER PROGRAM ON THE ATTITUDES OF HIGH SCHOOL STUDENTS TOWARD SCIENCE AND SCIENTISTS
 - *ATTITUDES, *EDUCATIONAL PROGRAMS, *RESEARCH REPORTS, *SCIENTISTS, *SECONDARY SCHOOL STUDENTS, SCIENCE TEACHERS, SECONDARY SCHOOL SCIENCE, MANN-WHITNEY U TEST, TRAVELING SCIENCE TEACHER PROGRAM (OKLAHOMA STATE UNIVERSITY), NATIONAL SCIENCE FOUNDATION, PURDUE HIGH SCHOOL OPINION POLL, OKLAHOMA, 1963
- 22 000 319 SE 002 032 11 14 67 13 95 17 **15**. GEORGE, ROBERT WORTH A COMPARATIVE ANALYSIS OF CONSERVATION ATTITUDES IN SITUATIONS WHERE CONSERVATION EDUCATION IS A PART OF THE EDUCATIONAL **EXPERIENCE**

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

JOURNAL OF RESEARCH IN SCIENCE TEACHING

- 66 153 *ATTITUDES, *ADULTS, *COLLEGE STUDENTS, *CONSERVATION EDUCATION, *DOCTORAL THESES, *HIGH SCHOOL STUDENTS, *RESEARCH REPORTS, *SCIENCE ACTIVITIES, COMPARATIVE ANALYSIS, 4-H CLUB, BOY SCOUTS, GIRL SCOUTS, CAMP FIRE GIRLS, PRESERVICE TEACHERS, 1966
- 22 000 319 13 83 17 SE 003 183 04 30 68 16. HANSON, PHILIP GERALD PERSONAL CONSTRUCTS AND CHOICE OF A MAJOR FIELD OF STUDY UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
 - 161 60 *COLLEGE SCIENCE, *ENGINEERING, *OCCUPATIONAL CHOICE, *STUDENT CHARAC CRISTICS, CAREERS, CAREER CHOICE, DOCTORAL THESES, PARENT INFLUENCE, RESEARCH REPORTS, SEX ROLE, SELF-CONCEPT, VOCATIONAL DEVELOPMENT, ROLE CONSTRUCT REPERTORY TEST, VOCATIONAL CON-STRUCT REPERTORY TEST, STRONG VOCATIONAL INTEREST BLANK FOR MEN, 1960

1

00 000 366

00 000 008

00 000 002

ABILITY PATTERNS IN SEVEN SCIENCE FIELD

NATIONAL ACADEMY OF SCIENCES, NATIONAL RESEARCH COUNCIL, OFFICE OF SCIENTIFIC PERSONNEL, WASHINGTON D C.

10 00 55 14
*ABILITY, *COLLEGE SCIENCE, *FELLOWSHIPS, *RESEARCH REPORTS,
*SELECTION TECHNIQUES, *TESTS, ANTHROPOLOGY, ACHIEVEMENT, BIOLOGY,
CHEMISTRY, ENGINEERING, GRADE POINT AVERAGE, GEOLOGY, MATHEMATICS,
PSYCHOLOGY, PHYSICS, SCIENCES, FELLOWSHIP RECORD EXAMINATIONS,
ATOMIC ENERGY COMMISSION, NATIONAL SCIENCE FOUNDATION, OF FICE
OF SCIENTIFIC PERSONNEL

18. SE 002 476 09 18 67 13 93 17 1
HOOVER, KENNETH H. AND SCHUTZ, RICHARD E.
CONSERVATION ATTITUDES OF SCIENCE MAJORS AS COMPARED WITH
THOSE OF NON-SCIENCE MAJORS

JOURNAL OF RESEARCH IN SCIENCE TEACHING

64 3
*COLLEGE SCIENCE, *CONSERVATION EDUCATION, *NON-SCIENCE MAJORS,
*RESEARCH REPORTS, *STUDENT ATTITUDES, *SCIENCE MAJORS, 1964

19. SE 003 044 04 05 68 13 33 20 HUGHES, HAROLD K.
THE STIMULATION OF CREATIVITY

AMERICAN JOURNAL OF PHYSICS

10 00 65 1
*CREATIVITY, *COLLEGE SCIENCE, *EDUCATIONAL OBJECTIVES, *INSTRUCTION, *LEARNING, *PHYSICS, *STUDENT CHARACTERISTICS, *UNDERGRADUATE STUDY

20. SE 003 557 03 20 68 19 83 17 1 00 000 006 HURLBUT, ZYLPHA D. SOME FACTORS WHICH INFLUENCE A SELECTED GROUP OF COLLEGE FRESHMEN CHOOSE SCIENTIFIC HYPOTHESES

SCIENCE EDUCATION

10 00 62 10
*ACHIEVEMENT, *COLLEGE SCIENCE, *EVALUATION, *PROBLEM SOLVING,
*RESEARCH REPORTS, *STUDENT CHARACTERISTICS, SCIENTIFIC METHODOLOGY,
TEST CONSTRUCTION, NATIONAL ASSOCIATION FOR RESEARCH IN SCIENCE
TEACHING

00 000 073

00 000 006

00 000 029

JENSEN, JOHN ANDERS AN ANALYSIS BY CLASS SIZE AND SEX OF ORTHOGONALIZED INTEREST AND APTITUDE PREDICTORS IN RELATION TO HIGH SCHOOL CHEMISTRY ACHIEVEMENT

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

*ACADEMIC ACHIEVEMENT, *CHEMISTRY, *INSTRUCTION, *DOCTORAL THESES, *LEARNING, *PREDICTION, *RESEARCH REPORTS, *RESEARCH METHODOLOGY, *SECONDARY SCHOOL SCIENCE, *STUDENT CHARACTERISTICS, CLASS SIZE, STUDENT APTITUDE, SEX (CHARACTERISTICS), STUDENT INTEREST, 1966, NEW YORK STATE REGENTS CHEMISTRY EXAMINATION

22. SE 003 368 05 29 68 13 82 17 1
JONES, KENNETH J.
INTEREST, MOTIVATION AND ACHIEVEMENT IN SCIENCE

JOURNAL OF EXPERIMENTAL EDUCATION

*LEARNING, *SCIENCE INTEREST, *SECONDARY SCHOOL SCIENCE, ABILITY, REINFORCEMENT, RESEARCH REPORTS, SCIENCE ACTIVITIES, SEQUENTIAL TEST OF EDUCATIONAL PROGRESS, SCIENCE, COOPERATIVE INTERMEDIATE ALGEBRA, SCIENCE ACTIVITIES INVENTORY, SCIENCE VOCABULARY TEST

23. SE 003 593 07 11 68 22 91 17 1

KALSON, CLIFFORD J. AND OTHERS

THE ORAL SCIENCE VOCABULARY OF KINDERGARTEN CHILDREN

SCIENCE EDUCATION

10 00 63 9
*ELEMENTARY SCHOOL SCIENCE, *SCIENTIFIC CONCEPTS, *VOCABULARY,
KINDERGARTEN, KINDERGARTEN CHILDREN, RESEARCH REPORTS

24. SE 003 179 03 04 68 13 85 17 1

KELLY, P. J.

V - AN INVESTIGATION OF THE FACTORS WHICH INFLUENCE GRAMMAR SCHOOL PUPILS TO PREFER SCIENTIFIC SUBJECTS

BRITISH JOURNAL OF EDUCATIONAL PSYCHOLOGY

02 00 61 2
*BIOLOGY, *CHEMISTRY, *ELEMENTARY SCHOOL SCIENCE, *GENERAL SCIENCE,
*PHYSICS, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, *STUDENT
CHARACTERISTICS, *SCIENCE COURSES, MASTER'S THESES, STUDENT ATTITUDES,
STUDENT INTERESTS, LONDON, ENGLAND

LIVERS, DAVID LINN, JR. A STUDY OF RELATIONSHIPS BETWEEN SELECTED STUDENT CHARACTERISTICS AND EDUCATIONAL-VOCATIONAL SUCCESS OF STUDENTS ATTENDING TRADE, TECHNICAL AND BUSINESS SCHOOLS

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

63 159
*HIGHER EDUCATION, *RESEARCH REPORTS, *STUDENT CHARACTERISTICS,
*VOCATIONAL SCHOOLS, ACADEMIC ACHIEVEMENT, DOCTORAL THESES,
GRADES (SCHOLASTIC), PREDICTION, 1963

26. SE 003 178 07 10 68 13 82 17 2
MEYER, G. R. AND PENFOLD, D. M. EDWARDS
FACTORS ASSOCIATED WITH INTEREST IN SCIENCE

00 000 029

BRITISH JOURNAL OF EDUCATIONAL PSYCHOLOGY

BRITISH JOURNAL OF EDUCATIONAL PSYCHOLOGY

02 00 61 3
*ELEMENTARY SCHOOL SCIENCE, *STUDENT SCIENCE INTERESTS, *STUDENT ATTITUDES, *STUDENT CHARACTERISTICS, ACADEMIC ACHIEVEMENT,
BIOLOGY, CHEMISTRY, FEMALES, MALES, PHYSICS, PARENT INFLUENCE,
RESEARCH REPORTS, SECONDARY SCHOOL STUDENTS, ENGLAND, LONDON, 1959

27. SE 002 170 9 06 67 13 22 17 1 00 000 029 MEYER, G. R. AND PENFOLD, D. M. EDWARDS FACTORS ASSOCIATED WITH INTEREST IN SCIENCE

02 00 60 5
*SECONDARY SCHOOL SCIENCE, *STUDENT CHARACTERISTICS, *STUDENT INTERESTS, *STUDENT SCIENCE INTERESTS, SCIENCE CAREERS, LONDON, ENGLAND

28. SE 002 404 03 14 68 13 23 17 2 00 000 006 NATHANS, MARCEL W.
WHY STUDENTS WITHDRAW FROM CHEMISTRY COURSES IN JUNIOR COLLEGE EVENING SCHOOLS

SCIENCE EDUCATION

*CHEMISTRY, *COLLEGE SCIENCE, *DROPOUT IDENTIFICATION, *JUNIOR COLLEGES, *STUDENT CHARACTERISTICS, EVENING COLLEGES, RESEARCH REPORTS, DROPOU'TS, 1967, WRIGHT JUNIOR COLLEGE, CHICAGO, ILLINOIS, DIABLO VALLEY COLLEGE, CONCORD, CALIFORNIA

SCIENCE FOR THE ACADEMICALLY TALENTED STUDENT

NATIONAL EDUCATION ASSOCIATION

*ABLE STUDENTS, *CONFERENCE REPORTS, *STUDENT CHARACTERISTICS, *SECONDARY SCHOOL SCIENCE, *SECONDARY SCHOOL STUDENTS, COURSE CONTENT, SCIENCE COURSES, TEACHING METHODS, TEACHER CHARACTERISTICS, NATIONAL EDUCATION ASSOCIATION, NATIONAL SCIENCE TEACHERS ASSOCIATION, CARNEGIE CORPORATION, 1959, FUTURE SCIENTISTS OF AMERICA FOUNDATION

30. SE 002 441 03 06 68 13 81 17 1 00 000 006 PERRODIN, ALEX F. CHILDREN'S ATTITUDES TOWARDS ELEMENTARY SCHOOL SCIENCE

SCIENCE EDUCATION

04 00 66 5
*ELEMENTARY SCHOOL SCIENCE, *ATTITUDES, *FEMALES, *GRADE 4, *GRADE 6,
*GRADE 8, *MALES, *RESEARCH REPORTS, *STUDENT ATTITUDES, *STUDENT
CHARACTERISTICS

- 31. SE 003 242 07 10 68 13 82 17 2 00 000 029 PHEASANT, J. H.
 THE INFLUENCE OF THE SCHOOL ON THE CHOICE OF SCIENCE CAREERS
 BRITISH JOURNAL OF EDUCATIONAL PSYCHOLOGY
 - 02 00 61 3
 *CAREER CHOICE, *FAMILY INFLUENCE, *SCHOOL INFLUENCE, *STUDENT CHARACTERISTICS, *SCIENCE CAREERS, FEMALES, INTERNATIONAL EDUCATION, MALES, SECONDARY SCHOOL STUDENTS, GREAT BRITAIN
- 32. SE 003 208 06 05 68 13 86 17 2 22 000 319 RANDLEMAN, ROBERT RONALD TECHNICAL VOCABULARY AND ITS RELATIONSHIPS TO SELECTED STUDENT CHARACTERISTICS AND INDUSTRIAL EDUCATION PROGRAMS

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

61 235
*ACADEMIC ACHIEVEMENT, *INSTRUCTION, *INDUSTRIAL ARTS, *SECONDARY EDUCATION, *STUDENT CHARACTERISTICS, DOCTORAL THESES, RESEARCH REPORTS, VOCABULARY, 1961, MINNESOTA, MINNEAPOLIS

RICHTER, MARION

DRAWING AND LEARNING IN BIOLOGY - THE RELATIONSHIP BETWEEN PUPILS' DRAWINGS OF VISUAL AIDS AND THEIR LEARNING IN BIOLOGY

UNIVERSITY MICRO, ILMS, ANN ARBOR, MICHIGAN

56 118

*AUDIOVISUAL AIDS, *ACHIEVEMENT, *COLLEGE SCIENCE, *DRAWINGS, *LEARN-ING THEORIES, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, *STUDENT CHARACTERISTICS, BIOLOGY, DOCTORAL THESES, ELEMENTARY SCHOOL SCIENCE, 1956

34. SE 002 565 09 24 68 13 23 17 1 00 000 003 RICKETTS, JOHN A.

CHEMISTRY GRATUATE STUDENTS AT NON-PHD-GRANTING INSTITUTIONS - SELECTION AND JUDGING PROCEDURES

JOURNAL OF CHEMICAL LOUCATION

08 00 67 2
*CHEMISTRY, *COLLEGE SCIENCE, *MASTERS DEGREES, *PERSONNEL SELECTION,
COLLEGE PREPARATION, DEGREE PROGRAMS, GRADUATE STUDY, GRADUATE
STUDENTS, STUDENT SCIENCE INTERESTS

35. SE 002 171 02 07 68 13 82 17 2 00 000 029 ROWLAND, R. G.
SOME DIFFERENCES BETWEEN PROSPECTIVE SCIENTISTS, NON-SCIENTISTS
AND EARLY LEAVERS IN A REPRESENTATIVE SAMPLE OF ENGLISH GRAMMAR SCHOOL BOYS

BRITISH JOURNAL OF EDUCATIONAL PSYCHOLOGY

02 00 60 12

*CAREER SELECTION, *STUDENT CHARACTERISTICS, *SCIENCE CAREERS, *SECONDARY SCHOOL STUDENTS, *SECONDAR * SCHOOL SCIENCE, CAREERS, DROPOUTS, MALES, RESEARCH REPORTS, PREDICTION, SCIENTISTS, STUDENT INTERESTS, ENGLAND

36. SE 003 215 06 05 68 13 53 17 2 22 000 319 SCHROEDER, CLIFFORD E. PERSONALITY PATTERNS OF ADVANCED PROTESTANT THEOLOGY STUDENTS AND PHYSICAL SCIENCE STUDENTS

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

56 1.49

*COMPARATIVE ANALYSIS, *PHYSICAL SCIENCES, *PERSONALITY ASSESSMENT, *RELIGION, *SCIENCE STUDENTS, DOCTORAL THESES, GRADUATE STUDENTS, RESEARCH REPORTS, STUDENT CHARACTERISTICS, 1956

00 000 006

00 000 006

SCOTT, CARRIE M.

THE RELATIONSHIP BETWEEN INTELLIGENCE QUOTIENT AND GAIN IN READING ACHIEVEMENT WITH ARITHMETIC REASONING, SOCIAL STUDIES, AND SCIENCE

JOURNAL OF EDUCATIONAL RESEARCH

02 00 63

*ARITHMETIC, *ELEMENTARY SCHOOL SCIENCE, *ACHIEVEM. AT, *MENTAL ABILITY, *RESEARCH REPORTS, *STUDENT CHARACTERISTICS, READING, SOCIAL STUDIES, 1963

38. SE 003 665 07 11 68 13 53 17 1
SHOCKLEY, JAMES T.
BEHAVIORAL RIGIDITY IN RELATION TO STUDENT SUCCESS IN COLLEGE PHYSICAL SCIENCE

SCIENCE EDUCATION

*ACADEMIC ACHIEVEMENT, *BEHAVIORAL RIGIDITY, *MENTAL RIGIDITY, *COLLEGE SCIENCE, *INSTRUCTION, *LEARNING, *PHYSICAL SCIENCES, *STUDENT ADJUSTMENT, *STUDENT BEHAVIOR, *STUDENT CHARACTERISTICS, COLLEGE STUDENTS, GENERAL SCIENCE, PHYSICS, RESEARCH REPORTS, 1962, DUNNING PHYSICS TEST, SNADER GENERAL MATHEMATICS TEST, WATSON-GLASER CRITICAL THINKING APPRAISAL, SCALE TEST OF BEHAVIORAL RIGIDITY

39. SE 002 049 11 06 67 19 22 17 2 .22 000 319 SMITH, IOLA RAGINS FACTORS IN CHEMISTRY ACHIEVEMENT AMONG ELEVENTH-GRADE GIRLS AND BOYS

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

*ACADEMIC ACHIEVEMENT, *ACHIEVEMENT, *CHEMISTRY, *PREDICTION, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, *STUDENT CHARACTERISTICS, DOCTORAL THESES, GRADE 11, SEX, STUDENT EVALUATION, 1963, 1964, 1966

40. SE 003 592 07 11 68 13 73 17 1
SMITH, PAUL M.
CRITICAL THINKING AND THE SCIENCE INTANGIBLES

SCIENCE EDUCATION

*ACADEMIC ACHIEVEMENT, *INSTRUCTION, *STUDENT CHARACTERISTICS, *SCIENTIFIC ATTITUDES, ACHIEVEMENT, FEDERAL PROGRAMS, LEARNING, MATHEMATICS, PROBLEM SOLVING, SUMMER SCIENCE PROGRAMS, 1962, TESTED OVERHEAD PROJECTION SERIES, WATSON-GLASER CRITICAL THINKING APPRAISAL

SE 003 219 04 18 68 13 82 17 2 22 000 319

STOKER, HOWARD W.

41.

APTITUDE AND ATTITUDES OF HIGH SCHOOL YOUTH RE-SCIENCE AS RELATED TO N VARIABLES

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

57 92

*ATTITUDES, *RESEARCH REPORTS, *' CONDARY SCHOOL SCIENCE, *SCIENCE APTITUDE, SOCIOECONOMIC INFLUENCES, *SCIENTIFIC ATTITUDES, *STUDE'NT CHARACTERISTICS, APTITUDE, DOCTORAL THESES, FEMALES, GRADE LEVEL, MALES, RURAL YOUTH, URBAN YOUTH, STUDENT ATTITUDES, 1957

42. SE 003 124 02 29 68 13 95 20 1 00 000 005 THOMPSON, ROBERT M. AND MAC CURDY, ROBERT D. SCIENCE INTEREST IS BORN

SCHOOL AND SOCIETY

02 00 57 2

*ELEMENTARY SCHOOL SCIENCE, *INTEREST, *PAPER, *SECONDARY SCHOOL SCIENCE, *STUDENT CHARACTERISTICS, SCIENCE INTEREST

43. SE 002 823 04 05 68 13 95 17 1 00 000 006 TISHER, RICHARD P.
THE NECESSITY FOR A NEW TYPE OF SCIENCE INTEREST STUDY

SCIENCE EDUCATION

12 00 64 8
*RESEARCH REPORTS, *STUDENT CHARACTERISTICS, *SCIENCE INTERESTS,

*TESTS, BIOLOGY, CHEMISTRY, ELEMENTARY SCHOOL SCIENCE, EARTH SCIENCE, GEOLOGY, PHYSICS, PHYSICAL SCIENCES, SECONDARY SCHOOL

00 000 006

SCIENCE, STUDENT ATTITUDES, AUSTRALIA, 1958

44. SE 003 666 07 11 68 13 92 17 1
VELLANTI, JOSEPH T.
THE RELATION OF INTELLIGENCE AND SEX TO THE USE OF THE 'IS OF IDENTITY' FOR HIGH SCHOOL STUDENTS

SCIENCE EDUCATION

02 00 62 12

*BEHAVIOR PATTERNS, *INTELLIGENCE FACTORS, *LANGUAGE USAGE, *SEX DIFFERENCES, *STUDENT CHARACTERISTICS, BEHAVIOR, GRADE 10, GRADE 11, GRADE 12, HIGH SCHOOL STUDENTS, INTELLIGENCE

45. SE 003 304 09 25 68 15 32 38 3 00 000 375 WARREN, J. W.

THE TEACHING OF PHYSICS

PLENUM PRESS

65 130

*INSTRUCTION, *PHYSICS, *SECONDARY SCHOOL SCIENCE, SCIENTIFIC CONCEPTS, TEXTBOOKS, GENERAL CERTIFICATE OF EDUCATION, ENGLAND

46. SE 002 436 11 20 67 13 82 17 1 0 000 006 WEAVER, EDWARD K. AND DERICO, ROBERT L.

SCIENCE INTERESTS OF ELEVENTH GRADE STUDENTS

SCIENCE EDUCATION

10 00 65 3
*GRADE 11, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, *SCIENCE
INTERESTS, *STUDENT INTERESTS, *STUDENT CHARACTERISTICS, BIOLOGY,
CURRICULUM, CURRICULUM PLANNING, EARTH SCIENCE, PHYSICAL SCIENCES

47. SE 003 663 03 20 68 13 86 20 1 00 000 006 WEISS, THOMAS M.
MEASURED DIFFERENCES IN IDENTIFICATION BETWEEN SCIENCE AND NON-SCIENCE MAJORS

SCIENCE EDUCATION

02 00 62 4
*COLLEGE SCIENCE, *STUDENT CHARACTERISTICS, *RESEARCH REPORTS,
SCIENCE INTERESTS, STUDENT INTERESTS, UNDERGRADUATE STUDY,
NATIONAL ASSOCIATION FOR RESEARCH IN SCIENCE TEACHING, ARIZONA
STATE UNIVERSITY, "IS OF IDENTITY" TEST, 1958

48. SE 002 180 10 10 67 13 22 17 1 00 000 021 WESTMEYER, PAUL SOME BASES USED BY STUDENTS IN CHOOSING PARTNERS IN THE CHEMISTRY LABORATORY

JOURNAL OF EDUCATIONAL RESEARCH

*CHEMISTRY, *GROUPING, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, *STUDENT CHARACTERISTICS, LABORATORIES, STUDENT ATTITUDES, SOCIAL RELATIONS, STUDENTS

C. AUTHOR INDEX

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

ANDERSON, JOHN E., JR. AND NEELEY, MELVIN C. B 1

ANDERSON, KENNETH E. B 2

BAILEY, DONALD ETHERIDGE B 3

BEDWELL, THOMAS HOWARD B 4

BERNHARDT, FRANK LEON B 5

BLUM, SIDNEY A 1

BOLTE, JOHN RAY B 6

BROWN, STANLEY B. B 7

BURNS, JOHN W. AND SMITH, GARY R. A 2

CAIN, RALPH W. B 8

COLLEGE ENTRANCE EXAMINATIONS BOARD B 9

CRAVEN, GENE FRANCIS A 3

EDWARDS, T. BENTLEY AND WILSON, ALAN B. B 10

ELECTRONIC INDUSTRIES ASSOCIATION B 11

FRIERSON, EDWARD C. B 12

FULWOOD, WILLIAM EDWARD, JR. B 13

GARRETT, JOHN L., JR. A-4

GATEWOOD, CLAUDE W. B 14

GEORGE, ROBERT WORTH B 15

HANSON, PHILIP GERALD B 16

HARMON, LINDSEY B 17

HOOVER, KENNETH H. AND SCHUTZ, RICHARD E. B 18

HUGHES, HAROLD K. B 19

HURLBUT, ZYLPHA D. B 20

JENSEN, JOHN ANDERS B 21

JONES, KENNETH J. B 22

KAISON, CLIFFORD J. AND OTHERS B 23

KELLY, P. J. B 24

KLEINMAN, GLADYS S. A 5

KLEYENSTEUBER, CARL J. A 6

LIVERS, DAVID LINN, JR. B 25

M_NHOLD, RUSSELL A 7

MERRILL, REED M. A 8

MERRILL, REED M. AND JEX, FRANK B. A 9

MEYER, G. R. AND PENFOLD, D. M. EDWARDS B 26, B 27

NATHANS, MARCEL W. B 28

NATIONAL EDUCATION ASSOCIATION B 29

NAVARRA, JOHN GABRIEL AND DUGAN, RUTH ROBERTA A 10

PERRODIN, ALEX F. B 30

PHEASANT, J. H. B 31

PHILLIPS, MELBA A 11

RANDLEMAN, ROBERT RONALD B 32



RANIA, T. N. A 12

RICHTER, MARION B 33

RICKETTS, JOHN A. B 34

ROWLAND, R. G. B 35

SCHIFF, L. I. A 13

SCHROEDER, CLIFFORD E. B 36

SCOTT, CARRIE M. B 37

SEEBURGER, GEORGE H. A 14

SHOCKLEY, JAMES T. B 38

SIEBER, JOAN E. A 15

SMITH, IOLA RAGINS B 39

SMITH, PAUL M. B 40

SPORE, LEROY A 16

STOKER, HOWARD W. B 41

THOMPSON, ROBERT M. AND MAC CURDY, ROBERT D. B 42

TISHER, RICHARD P. B 43

TODD, VIVIAN EDMISTON A 17

VELLANTI, JOSEPH T. B 44

WARREN, J. W. B 45

WEAVER, EDWARD K. AND DERICO, ROBERT L. B 46

WEINER, CHARLES A 18

WEISS, THOMAS M. B 47

WESTMEYER, PAUL B 48

WHITE, KENNETH E. A 19