A broad range of education-related topics are addressed in this annotated bibliography, which presents citations and abstracts for 117 publications produced by the 16 ERIC Clearinghouses in 1983. An introduction explains the ERIC system, clearinghouse publications, the organization of this bibliography, and the availability of clearinghouse publications. A statistical summary by year (1968-1983) shows the number of documents included for each clearinghouse in the series of which this bibliography is the most recent. Document resumes are provided from the following clearinghouses: (1) Adult, Career, and Vocational Education; (2) Counseling and Personnel Services; (3) Reading and Communication Skills; (4) Educational Management; (5) Handicapped and Gifted Children; (6) Languages and Linguistics; (7) Higher Education; (8) Information Resources; (9) Junior Colleges; (10) Elementary and Early Childhood Education; (11) Rural Education and Small Schools; (12) Science, Mathematics and Environmental Education; (13) Social Studies/Social Science Education; (14) Teacher Education; (15) Tests, Measurement, and Evaluation; and (16) Urban Education. A listing of ERIC Digests, i.e., short user-oriented reference sheets formerly called Fact Sheets or Short Reports, is also provided. (DMC)
educate (ed-ú-kat-ad) v. -cated, -cating, -cate.
1. To impart knowledge or training, especially in a systematic way; teach. 2. To provide with training for some purpose: educate someone for the priesthood. 3. To provide with information; inform. 4. To discipline, train, or instruct (a taste or skill, for example). —intr. To teach or instruct a person or group: Their purpose is to educate through visual aids. —See Synonyms at teach. [Middle English i haten, from Latin edequare, to bring up, educate. See duc- in Appendix.] adj. 1. Having an education, especially one above the average. 2. Showing evidence of having been taught or instructed; cultivated; cultured. 3. Based primarily on experience and some factual knowledge: His estimate of the test results was an educated guess.
ed-u-ca-tion (ed-ú-ka'shun) n. Abbr. ed., educ. 1. The act of imparting knowledge or skill; systematic instruction; teaching. 2. The obtaining of knowledge or skill through such a process; schooling. 3. a. The knowledge or skill obtained developed by such a process; learning. b. A program of instruction of a specified kind or level: driver education; a college program. c. The field of study that is concerned with teaching; learning; the theory of teaching; pedagogy.
ERIC Clearinghouse Publications

1983

An Annotated Bibliography of Information Analysis Products and Other Major Publications of the ERIC Clearinghouses
January-December 1983

June 1984

Carolyn R. Weller
Ted Brandhorst
Editors

ERIC Processing and Reference Facility
Bethesda, Maryland
This publication was prepared with funding from the National Institute of Education, U.S. Department of Education, under contract no. 400-81-0003 with ORI, Inc. The opinions expressed in this publication do not necessarily reflect the positions or policies of NIE or ED.
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Introduction

The ERIC System

ERIC, an acronym for Educational Resources Information Center, is a nationwide information system sponsored and supported by the National Institute of Education (NIE). ERIC is dedicated to the progress of education through the dissemination of education research results, practitioner-related materials, and other resource information that can be used in developing more effective educational programs. ERIC is a network that consists of a coordinating staff in Washington, D.C. and a number of clearinghouses (located at universities or with professional organizations) across the country. (For a complete list of ERIC components see the back of this publication.)

Through this network of specialized centers or clearinghouses, each of which focuses on a specific field in education, information is acquired, evaluated, cataloged, indexed, abstracted, and announced in ERIC abstract journals. These abstract journals—Resources in Education (RIE) and Current Index to Journals in Education (CIJE)—provide access to reports of innovative programs, research results, and other significant efforts in education, both current and historical, which might otherwise not be readily available.

RIE is a monthly abstract journal devoted to the report literature. Each issue announces approximately 1,200 documents. RIE is published by the U.S. Government Printing Office (GPO) and is available on subscription from GPO.

CIJE is a monthly index journal which cites articles from over 750 education periodicals. The core journal literature in the field of education is covered, as well as numerous other education-related articles appearing in journals only peripheral to the field. Each issue announces approximately 1,400 journal articles. CIJE is available on subscription from Oryx Press.

Clearinghouse Publications

In addition to collecting the literature of education for announcement in RIE and CIJE, the ERIC Clearinghouses analyze and synthesize the literature into research reviews, bibliographies, state-of-the-art studies, interpretive studies on topics of high current interest, and many similar documents designed to meet the information needs of ERIC users. These publications are announced in RIE and are available in the ERIC microfiche collections provided by the ERIC Document Reproduction Service (EDRS).
Bibliographies of ERIC Clearinghouse Publications

Periodically, ERIC prepares bibliographies of its clearinghouse publications. Only substantive publications are selected for these bibliographies. Routine brochures, accession lists, computer searches, newsletters, etc., are not normally included. This is the fourteenth bibliography in the series. All items in the series to date are listed below:

<table>
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<th>ACCESSION NUMBER</th>
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This bibliography covers the calendar year period from January through December 1983. It lists a total of 117 documents. Publications that have been produced through the cooperative endeavors of two or more clearinghouses have been listed under the clearinghouse processing the item for announcement in the ERIC abstract journal Resources in Education (RIE).

Organization of This Bibliography

The format and arrangement of citations in this bibliography conform to that in the original announcement in RIE. Citations are arranged by clearinghouse. Within each clearinghouse section, documents are listed in accession number order. The content of the citations is the same as that in RIE. A sample citation is provided immediately preceding the citation section.

Three indexes are provided: Subject, Personal Author, and Institution. Index entries lead the user to an accession number. The clearinghouse section in which the item is listed is indicated by a two-character alphabetic code in parentheses following the accession number, e.g. ED 123 456 (TM).

Availability of ERIC Clearinghouse Publications

ERIC clearinghouse publications are published by the individual ERIC clearinghouse responsible for producing them. As long as stock lasts, original copies are usually available directly from the responsible clearinghouse. In addition, however, they are announced in RIE. They are then contained in all ERIC microfiche collections and may be ordered in microfiche or paper copy from the ERIC Document Reproduction Service (EDRS).

For instructions on how to order materials see the back of this publication.
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SAMPLE RIE RESUME

Smith, John D
Johnson, Jane

Career Planning for Women.
Central Univ., Chicago, Ill
Sponsoring Agency - National Inst. of Education (EDRS),
Washington, DC
Report No. - CE 2081 S
Pub Date - May 83
Contract No. - H 03 0001
Available from - Campus Bookstore, 123 College Ave., Chicago, IL 60690 ($3.25).
Language - English, French
Pub Type - Speeches/Meeting Papers
EDRS Price - MF01/PC06 Plus Postage.
Identifiers - Consortium of States, *National Occupational Competency Testing Institute

Women's opportunities for employment will be directly related to their level of skill and experience and also to the labor market demand through the remainder of the decade. The number of workers needed for all major occupational categories is expected to increase by about one-fifth between 1980 and 1990, but the growth rate will vary by occupational group. Professional and technical workers are expected to have the highest predicted rate (39 percent), followed by service workers (35 percent), clerical workers (26 percent), sales workers (24 percent), craft workers and supervisors (20 percent), managers and administrators (19 percent), and operatives (11 percent). The publication contains a brief discussion and employment information concerning occupations for professional and technical workers, managers and administrators, skilled trades, sales workers, clerical workers, and service workers. In order for women to take advantage of increased labor market demands, employer attitudes toward working women need to change and women must: (1) receive better career planning and counseling, (2) change their career aspirations, and (3) fully utilize the sources of legal protection and assistance that are available to them. (SB)

Informative Abstract.

Abstracter's Initials.
Document Resumes

The document resumes in this section are arranged by ERIC clearinghouse, with a secondary sort by accession number (ID number) within each clearinghouse group. The following is a list of the ERIC clearinghouses, the two-letter prefixes used to identify them, and the page on which each clearinghouse's entries begin.

CE  Adult, Career, and Vocational Education
GG  Counseling and Personnel Services
GS  Guidance and Communication Skills
EA  Educational Administration
EG  Handicapped and Gifted Children
FL  Languages and Linguistics
HE  Higher Education
IR  Information Resources
JC  Junior Colleges

Page 1: PS  Elementary and Early Childhood Education
Page 2: P  Rural Education and Small Schools
Page 3: SE  Science, Mathematics, and Environmental Education
Page 4: SO  Social Studies/Social Science Education
Page 5: SP  Teacher Education
Page 6: TM  Testing, Measurement, and Evaluation
Page 7: UD  Urban Education

ED 232 061
Vander, Leonard
Human Resource Development: The Perspective of Business and Industry. Information Series No. 239. ERIC Clearinghouse on Adult, Career, and Vocational Education, Columbus, Ohio. Spans Agency National Inst of Education (ED), Washington, DC.
Pub Date: 83
Note: 5p.
Contract: 410-81-0445
Available from National Center Publications, National Center for Research in Vocational Education, 1900 Kenny Road, Columbus, OH 43210 (Order No: IN258).
Pub Type: Information Analyses - ERIC Information Analysis Products (077) Guides Non-Classroom (055).
EDRS Price: MF01/PC03 Plus Postage.
Descriptors: Career Counseling, Coping, Employment Opportunities, Employment Patterns, Employment Services, Job Applicants, Job Laidoff, Job Search Methods, Labor Market, Psychological Needs, Retraining, Identifiers: Displaced Workers, Stress (Biological).

This paper is intended to help those in a position to provide workers who are displaced by layoffs or plant shutdowns with assistance in adjusting to unemployment and finding new employment. The first section presents a summary of the transformation of the American labor market, showing the effects of economic and technological changes on the number and nature of available jobs. The psychological and physical impact of unemployment and underemployment on displaced workers is also described. Next, a synthesis of current information about ways of adjusting to the changing labor market is provided. Emphasizing the provision of effective job-search assistance, this section covers job choice and career counseling and compares the effectiveness of methods of gathering information about employment opportunities, including want ads, the public employment service, employment agencies, friends, relatives, acquaintances, and direct contact with employers. Then, specific strategies for training in job-seeking skills, such as using the telephone, completing applications, and interviewing, are described. The importance of a structured and supervised group job-search program is discussed. The paper concludes with a description of a reemployment center that might be set up to help workers displaced by massive layoffs or shutdowns.

ED 232 062
Finch, Carpe R.
Review and Synthesis of Research on Technical and Industrial Education, Third Edi ion. Information Series No. 260. ERIC Clearinghouse on Adult, Career, and Vocational Education, Columbus, Ohio.
Pub Date: 81
Available from National Center Publications, National Center for Research in Vocational Education, 1900 Kenny Road, Columbus, OH 43210 (Order No: IN259).
Pub Type: Information Analyses - ERIC Information Analysis Products (077) Guides Non-Classroom (055).
EDRS Price: MF01/PC03 Plus Postage.

This paper seeks to describe and analyze human resource development (HRD) from the perspective of business and industry and to identify the role of adult, career, and vocational education in HRD. The author defines HRD as organized learning experiences in a given period of time that effect the probability of performance change or growth in the individual. Through the learning activity areas of training, education, and development. Distinguishing HRD from other human resource activities, the author next discusses the preparation of HRD practitioners for their professional roles as learning specialists, administrators/managers, and consultants, academic preparation, public seminars, professional societies' programs, and the networking process. A summary of these topics appears in the following sections.

The author concludes that higher education institutions can play a major role both in practitioner preparation and program implementation if cooperation with business and industry is seriously pursued.

SK
ED 266 044

Using Information in Career Development: From Cognitions to Computers. Information Series No. 245 (ERIC Clearinghouse on Adult, Career, and Vocational Education, Columbus, Ohio). National Clearinghouse on Adult, Career, and Vocational Education, Columbus, Ohio. Available from ERIC/SFind It (000918). ED 266 054

ED 266 066

Behavioral Change: How It Works. ERIC/Cripe (000920). ED 266 076

ED 266 085

ED 266 096

ED 266 106

ED 266 116

ED 266 126

ED 266 136

ED 266 146

ED 266 156

ED 266 166

ED 266 176

ED 266 186

ED 266 196

ED 266 206

ED 266 216

ED 266 226 308

ED 266 236 408

ED 266 246 508

ED 266 256 608

ED 266 266 708

ED 266 276 808

ED 266 286 908

ED 266 296 A08

ED 266 306 B08

ED 266 316 C08

ED 266 326 D08

ED 266 336 E08

ED 266 346 F08

ED 266 356 G08

ED 266 366 H08

ED 266 376 I08

ED 266 386 J08

ED 266 396 K08

ED 266 406 L08

ED 266 416 M08

ED 266 426 N08

ED 266 436 O08

ED 266 446 P08

ED 266 456 Q08

ED 266 466 R08

ED 266 476 S08

ED 266 486 T08

ED 266 496 U08

ED 266 506 V08

ED 266 516 W08

ED 266 526 X08

ED 266 536 Y08

ED 266 546 Z08
Violence in the Family: Child and Spouse Abuse.ERIC Clearinghouse on Counseling and Personnel Services, Ann Arbor, Mich. 

ED 226 309

Violence in the Family: Child and Spouse Abuse.ERIC Clearinghouse on Counseling and Personnel Services, Ann Arbor, Mich. 

ED 226 309

Violence in the Family: Child and Spouse Abuse.ERIC Clearinghouse on Counseling and Personnel Services, Ann Arbor, Mich. 

ED 226 309

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Violence in the Family: Child and Spouse Abuse.ERIC Clearinghouse on Counseling and Personnel Services, Ann Arbor, Mich. 

ED 226 309

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and economic benefits. Characteristics of early childhood special education programs are briefly compared in the introduction. Federal early childhood special education policy are examined in the third and fourth sections, with particular emphasis on the Early Head Start program. Federal education related to special education programs, fiscal policies. An initial section outlines three phases for purposes of the final analysis: (1) definitions of key educational and fiscal roles in the development of public policy and fiscal responses, and (2) critical factors to be considered in developing and evaluating the fiscal resources from which education can be supported, the needs of the population, and distribution factors. Practical examples of how local variables within eight factors influence state special education fiscal policies are described. The eight factors addressed are: policies, the fiscal climate, legislative definitions and laws, changes in student population size, quality, and financial protection and accountability. The state education agency's responsibilities, local education agency responsibilities, and community responsibilities, each with a unique perspective will be explored. 

ED 224 265 EC 150 652

Available from: The Council for Exceptional Children, Publication Sales, 1920 Association Dr., Reston, Va. 22091 (Publication No. 249, $7.00). Pub Date: Information Analyses - ERIC Information Analysis Products (071)

EDRS Price: MF01/PC02 Plus Postage. Descriptors: Bilingual Education Programs, Elementary Secondary Education, Educational Research, Educational Administration, Program Descriptions, Program Effectiveness

Part of a series on the legal and governmental foundations governing education of handicapped and gifted children, the document focuses on bilingual education. A review of the literature covers studies which have been conducted in a variety of bilingual program settings in the United States and other countries. Cited among findings are that children involved in learning center programs are receiving instruction in the use of two languages. The final chapter discusses the importance of the social/survival model and the importance of the social/survival model and the important role of the social/survival model. The effects of relaxation and diet upon brain function are discussed. The document looks at the topic of bilingual education as it relates to learning styles and teaching styles, particularly the social/survival model. An initial section on brain tissues covers the history of brain research, methods of investigation, cerebral dominance, language, the brain and emotions. The final chapter looks at the effects of relaxation and diet upon brain function as it relates to learning styles and teaching styles, particularly the social/survival model. The document looks at the topic of bilingual education as it relates to learning styles and teaching styles, particularly the social/survival model. The effects of relaxation and diet upon brain function are discussed. The document looks at the topic of bilingual education as it relates to learning styles and teaching styles, particularly the social/survival model. The effects of relaxation and diet upon brain function are discussed.
ED 227 630 EC 151 080

Ink: Helen R. Ed. Kodak Carly J. Ed.

Career Education for Behaviorally Disturbed Students

ERIC (Learning on Handicapped and Gifted Children, Reston, Va)

Specifying National Institute of Education (EID).

Washington, DC


Published Date 400-81-0011


ED 228 793 EC 151 647

Tubor, Florence M.

Microcomputers in Special Education, Selection and Decision Making Process

ERIC Clearinghouse on Handicapped and Gifted Children, Reston, Va

Spons Agency National Institute of Education (EID).

Washington, DC


Published Date 400-81-0011


ED 229 773 EC 151 619

Jaffe, M. Stephen; Thomas W. Angell, Ed.

Dissemination in Special Education—A Personal Point of View

ERIC Clearinghouse on Handicapped and Gifted Children, Reston, Va

Specifying National Institute of Education (EID).

Washington, DC

Report No. ISBN-0-8-5866-149-0

Published Date 400-81-0011

Note: Available from The Council for Exceptional Children, Publication Sales, 1920 Association Dr., Reston, VA (Publication No. 815, 259).

ED 229 784 EC 151 648

Jones, Ronald L.

Reflections of a Teacher-Up Disabled

ERIC Clearinghouse on Handicapped and Gifted Children, Reston, Va

Spons Agency National Institute of Education (EID).

Washington, DC

Report No. ISBN-0-8-5866-149-0

Published Date 400-81-0011

Note: Available from The Council for Exceptional Children, Publication Sales, 1920 Association Dr., Reston, VA (Publication No. 815, 259)
ED 222 158

He: 015 656

Pridmore, J. Victor 

Sparks Agency, National Inst. of Education (ED), Washington, D.C.

Pub Date 82

Contract 400-77-0773

Note 75p.

Available from: Publications Dept., American Association for Higher Education, One Dupont Circle, Suite 600, Washington, D.C. 20036 ($5.00 members; $5.50 nonmembers).

Type Information Analyses - ERIC Information Analyses Products (071) - Reports - Research (143)

EDRS Price - MF01/PC03 Plus Postage

Descriptors - College Instruction, Educational Change, Educational Research, Higher Education, Research

Information Analyses - ERIC Information Analyses Products (071) - Reports - Evaluations (132)

EDRS Price - MF01/PC03 Plus Postage

Descriptors - College Instruction, Educational Change, Educational Research, Higher Education, Research, Student Recruitment, Student Role, Student Teacher Relationship, Teacher Attitudes, Teacher Characteristics, Teacher Effectiveness, Teacher Role

The literature relating to instructional improvement since 1978 is examined. After a review of implications of current theories, it is concluded that theorists agree generally that learning is enhanced when the student is active rather than passive; learning is improved by practice and feedback; learning is improved when directed toward some goal; learning has both an affective and a cognitive aspect; and the quantitative and qualitative differences in the learning process are great. Attention is also directed to the following issues relating to the instruction and instruction models: teaching characteristics; good teaching, teaching awards, faculty development programs, professional associations, cooperation among institutions of higher education, faculty growth contracts, evaluation of teaching, and the relationship between teaching and research. Another important concern is that the prospects for improved instruction are linked to faculty attitudes toward teaching, the institution, and change. Studies pertaining to methods of instruction are also reviewed. Methods emphasizing content instruction, the lesson method, audiovisual instruction, computer-assisted instruction, personalization, the sequential system of instruction, and many others are examined. Methods focusing on student attitudes and behavior, student-generated courses, while methods characterized by interaction include discussion, seminar, case study, role playing, games and simulations, and encounter groups. Research on improving instruction is also reviewed, and a bibliography is appended. (SW)

ED 222 162

Brathwaite, J. W. 

Sparks Agency, National Inst. of Education (ED), Washington, D.C.

Pub Date Oct 82

Contract 400-77-0773

Note - 5p.


Type Reports - Descriptive (141) - Information Analyses - ERIC Information Analyses Products (071) - Collected Works - Serials (022)

EDRS Price - MF01/PC01 Plus Postage

Descriptors - College, Faculty, Court Litigation, Court Role, Employment Practices, Equal Protection, Evaluation Methods, Faculty Evaluation, Higher Education, Job Analysis, Male, Multiple Regression Analysis, Personnel Policy, Research Methodology, Sex Discrimination, Teacher Salaries, Women Faculty

Identifiers - Civil Rights Act 1964 Title VII, Equal Pay Act 1963

Salary equity issues in higher education are examined with reference to sex discrimination in faculty salaries, the law and its application, judicial decrees, and higher education research. A review of higher education research reports is also discussed. Evidence of sex discrimination in faculty salary evidence. The basis for most salary equity studies has been the simple observation that salaries for male professors are higher than those of female professors, even within the same academic rank. Information is presented on salaries
for male and female professors for the 1981-82 academic year. Similar relationships exist for all academic ranks in both public and private institutions. This is in line with the Equal Pay Act of 1963 and Title VII of the Civil Rights Act of 1964, which provide the primary basis for current salary equity studies. However, in the context of higher education, aggregated faculty members may choose to make their unique individual or as a representative of the entire faculty class such as the 26 state faculty. Even if a plaintiff demonstrates that one academic position requires the same skills, effort, and responsibility as another and that a salary differential is attributable to a sex, there may be no legal remedy. A school's salary differential exists in the quantity of work, or factors other than sex. The school is likely to use faculty evaluation data to defend its claim that observed salary differentials are appropriate. Three major methods have been employed in the courts to examine salary equity: job evaluation, pairwise comparisons, and multiple regression (SW).

ED 224 451
Melchion, Gwendolyn X.
Spells Agency: ERIC/National Inst. of Education (ED), Washington, D.C.
Pub Date: 82
Contract: 400-77-0073
Note: 58p.
Type: Information Analyses - ERIC Information Analysis Products (O11) - Reports - Descriptive (141)
EDRS Price: MF01/PC03 Plus Postage.

The origin and extent of program reduction and discontinuance are of major interest. The elements of program review, and a framework for developing long-range organizational planning are described. The end result of the merger of related programs, the elimination of certain degrees or programs within departments, and the reorganization of entire departments is directed to discontinuance initiated by higher education agencies, institutions, and individual schools and colleges. Most of the information for the analysis is based on case studies and research on large public institutions and state higher education agencies; a survey of 46 state agencies also revealed that a nucleus of 26 states are initiating or recommending terminations. Additionally, a literature review considers society at large and the psychology of decline and policy formation, especially policies of attrition. The following steps of program review are examined: initiating program discontinuance; the review process itself, including the selection of models and evaluation criteria; the evaluation-making step; and implementation of the decision and assessment of impacts on students, faculty, academic programs, and institutional budgets and organizational behavior. It is proposed that the institution should be aware of data and personnel to data for periodic program evaluation; and provisions for incentives and rewards at various stages in the discontinuance process. A bibliography is appended. (SW)
Washington, D.C. pub date #2 contract 400-77-0073

Note 57p.


Pub Type Information Analyses - ERIC Information Analysis Products (071) - Serials (022)

EDRS Price - MF01-PC03 Plus Postage.

Descriptors Automation, College Administration, College Governance, College Management, College Planning, Computer, Computer Software, Information Analysis, Policy Analysis, Problem Solving, Research Design, Professional Development, Professional Education, Professional Growth, Academic Administration, Higher Education, Department Chair, Administrative Role, Administrator Selection, College Administration, Department Heads, Higher Education, Improvement Programs, Interprofessional Relationship, Middle Management, Professional Education, Research Design.

The role of the department chair as the interface between faculty and administration is considered, along with specific approaches to making the position of chair more attractive for potential candidates. Factors that work against state-level planning include: intrastate regionalism, institutional resistance to change, geographic dispersion of institutions, alumni and legislative political pressure, and faculty resistance.

ED 227 800


Available from the National Institute for Education, 400-77-0073, NEH 76, each, $5.00.

Pub Type Information Analyses - ERIC Information Analysis Products (071) - Serials (022)

EDRS Price - MF01-PC04 Plus Postage.

Descriptors Accountability, Accreditation (Institutions), College Administration, Enrollment Management, Institutional Effectiveness, Institutional Effectiveness. 

rather than formal position, may conflict with the administrative-managerial models. Institutional and disciplinary influences on departmental administration and the effectiveness of innovation are also considered, along with specific approaches to making the position of chair more attractive for potential candidates. Factors that work against state-level planning include: intrastate regionalism, institutional resistance to change, geographic dispersion of institutions, alumni and legislative political pressure, and faculty resistance.

9
**ED 222 806**

**HIE 016 068**

**Deshpande, P.**


Spans Agency: National Institute of Education (ED), Washington, D.C.

Pub Date: 83

Contract: 400-82-0011

Note: 4p.

Available from: Publications Department, Association for the Study of Higher Education, One Dupont Circle, Suite 610, Washington, DC 20036 (50 cents, members; $1.00, nonmembers).

**Ed 222 925**

**HIE 016 094**

Brooks, N.C. Jr. Hample, Stephen R.

Planning Faculty Reduction.

American Association of Univ. Administrators, Washington, D.C.

Spans Agency: National Institute of Education (ED), Washington, D.C.

Pub Date: 83

Contract: 400-77-0073

Note: 4p.

Available from: American Association of Universities, Administrative, 1920 Vermont Avenue, N.W., Washington, D.C. 20008 ($1.00)."
codes a review of definitions of instruction and IRM, and a definition of IRM, as used in this paper. There is a brief examination of the roots of IRM in libraries, information centers, and a consideration of the communication techni-
guies. The human uses of information in the deci-

d-making process are considered. A review of intelli-
gence and information retrieval in relation to the biological organiza-

tions and the real world of present and future socio-
cultural environments, which are posited as the organi-

cations of information's capacity to deal with greater amounts of in-

formation. Costs and benefits of each method and the presige of IRM are discussed. Examples of the use of information resources are presented. The impact on school organization. The use of IRM in organizations are discussed. Examples are drawn from educational and business environments. The use of IRM in libraries is discussed. A list of references, and a 30-item ERIC bibliography divided into sections covering the historical anteced-
ed of IRM, the impact of information systems in education, assessment of information needs within education, specific applications of information technol-
gy, educational institutions, and other ERIC documents on information management. An ERIC author index is provided (ESR).

ED 225 562 IR 010 094

Wade, Jon L. Comp.
Sources of Information for Instructional Technol-
yogy.
ERIC Clearinghouse on Information Resources,
Syracuse, NY

Sparks Agency National Inst. of Education (ED).
Washington, DC

Pub Date 12/82

Contract 400-87-0015

Note: 800

Available from Information Resources Publications, 120 Huntington Hall, Syracuse University, Syracuse, NY 13210 (IR-50), $5.45 plus $.10 (handling)."
identifies the prerequisites for the successful management of student affairs programs. Chapter 1 presents the problems on the student affairs profession, summarizes the problems facing the field, and identifies the objectives of the monograph and the methodology. Chapter 2 outlines factors that will influence the future of student affairs program management, focusing on the challenges posed by new technological changes, such as the movement and the problems and opportunities resulting from increased student diversity, and the need for programs to respond to greater accountability and participation. In chapter 3, a synthesis of existing programs and trends and trends in general planning, organization, budgeting, staffing, direction, and participation is presented. The chapter analyzes three important areas of student affairs programs included are recommendations for the use of more flexible and dynamic planning processes; the creation of more effective training programs for student affairs professionals, especially in the areas of planning and budgeting, and the development of an effective national- and state-level leadership in the student affairs profession. A framework for management analysis is appended to assist in analyzing the major functions and tasks of management and comparing actual practice against a universalist model.

ED 225 603

ED 225 633

ED 230 263
ED 225 639 PS 012 876
"The Challenge of Employer-Supported Child Care: Meeting Parent Needs."
ERIC Clearinghouse on Early and Elementary Childhood Education, Urbana, III.
Washington, DC
Pub Date: 1/1
Contract: 491-74-0000
Note: 44p. To be published as a chapter in "Current Topics in Early Childhood Education," Vol.

ED 226 836 PS 013 372
"Luch Time J. Long, Lucette Latchkey Children."
ERIC Clearinghouse on Elementary and Early Childhood Education, Urbana, III.
Washington, DC
Pub Date: 1/1
Contract: 491-74-0008
Note: 40p. To be published as a chapter in "Current Topics in Early Childhood Education."" Lillian G. Katz

ED 227 967 PS 013 456
"Spons, Mona; Berlin, Linda
"Microcomputers in Early Childhood Education."
ERIC Clearinghouse on Elementary and Early Childhood Education, Urbana, III.
Washington, DC
Pub Date: 1/1
Contract: 491-74-0008
Note: 33p.
Pub Type: Information Analyses - ERIC Information Analysis Products (010)
EDRS Price: MF01/PC02 Plus Postage.
Descriptors: Child Rearing; Family Life; Individual Development; Parent Education; Parent Materials; Parent Role; Preschool Children; Preschool Education; Social Development; Parenting

ED 228 815 PS 013 067
"Fischer, Kurt W.; And Others
"Putting the Child into Socialization: The Development of Social Categories in Preschool Children."
ERIC Clearinghouse on Early and Elementary Childhood Education, Urbana, III.
Washington, DC
Pub Date: 1/1
Contract: 491-74-0008
Note: 6p.
Pub Type: Reports - Research (143) - Information Analyses - ERIC Information Analysis Products (120)
EDRS Price: MF01/PC04 Plus Postage.
Descriptors: Classification; Cognitive Development; Education; Environmental Influences; Developmental Stages; Nature-Nurture Controversy; Performance; Preschool Children; Preschool Education; Role; Social Cognition; Socialization; Stereotypes; Target Effect; Scripts; Knowledge; Social Development.

Document Resumes/RC 13

ED 229 390 PS 013 655
"Laffanmire, Terrie Darce
ERIC Clearinghouse on Rural Education and Small Schools, Los Angeles, CA.
Washington, DC
Pub Date: 1/1
Contract: 491-74-0008
Note: 12p.
Pub Type: Information Analyses - ERIC Information Analysis Products (017) - Guides - Non-Classroom (055)

RC
with American Indian people, the manual discusses
development specialists, and mental health pro-
...own rights without denying the rights of others. As-
...honest feelings comfortably,' or to express one's
...person to act in his/her own interests, to express
...skills, strives to teach a behavior which enables a
...Eons

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Goode, Ann E.
Outdoors Education for the Handicapped Project: An Overview.
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Spons Agency-National Inst. of Education (ED), Washington, DC.
Pub Date-Sep 82
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Spons Agency-National Inst. of Education (ED), Washington, DC.
Pub Date-Sep 82
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Note-3pp.
Available from-New Mexico Center for Rural Ed-
ED 224 906
E 039 605

Bowen, John J., Ed.

Science Education Research

The intent of this yearbook is to provide a positive, post-mourning descriptive picture of the status of science teaching. It is written for elementary school teachers and all who are involved or concerned with curriculum and instruction in the elementary school. The yearbook provides the basis for connecting teachers with science-related ideas and activities that remain valued as new patterns of teaching evolve. As a means of promoting science relevance and literacy, between science teaching and other areas of human concern are identified and a rationale for encouraging and defending the desired state of science teaching is provided. The book is organized into four parts: providing focus, establishing credibility, exploring interfaces, and discovering applications. Chapters 1 and 2 provide an inspiring and challenging study of science teaching goals. Chapters 3-5 focus on valuing (1) science education, (2) science methodology/guru; and (3) the infusion process. Chapters 6-12 address relationships between science teaching and related concerns, children's instructional development, educational technology (microcomputers) environmental concerns, energy conservation, science education concerns, and colleagues concerning. Perspectives from practitioners and on professional growth are addressed in chapters 13 and 14. (Author)
Thinking Globally and Acting Locally: Environmental Education Activities.


Pub Date--Dec 82

Contract--400-78-0004

Note--315p.; Other volumes in ERIC SMEAC's "Teaching Activities in Environmental Education" series are listed in the preface of this paper along with corresponding ED numbers.

Available from Reference Center (ERIC/JRC), The Ohio State Univ., 1200 Chambers Rd., 3rd Floor, Columbus, OH 43212 (50c).

EDRS Price - MF01/PC13 Plus Postage.

Description--268p. 141 tables. 141 graphics. 61 charts.

ED 229 282

Sacks, Arthur B. And Others

Current Issues in Environmental Education and Environmental Studies. Volume VIII. Selected Papers from the Annual Conference of the National Association for Environmental Education (11th, Silver Bay, New York, October 15-20, 1982).


Pub Date--Oct 83

Contract--400-78-0004

Note--305p.; Also available from--Information Reference Center (ERIC/JRC), The Ohio State Univ., 1200 Chambers Rd., 3rd Floor, Columbus, OH 43212 ($7.75).

EDRS Price--Collected Works - Serials (022) -- Information Analyses - ERIC Information Analysis Products (071)

ED 231 762


Pub Date--Mar 83

Note--Available from Information Reference Center (ERIC/JRC), The Ohio State Univ., 1200 Chambers Rd., 3rd Floor, Columbus, OH 43212 (subscription $8.00, $2.25 single copy).

Journal Cit - Investigations in Science Education: Volume 17, No. 2, 1983

EDRS Price - MF01/PC04 Plus Postage.


ED 232 844


Pub Date--Mar 83

Note--Available from Information Reference Center (ERIC/JRC), The Ohio State Univ., 1200 Chambers Rd., 3rd Floor, Columbus, OH 43212 (subscription $8.00, $2.25 single copy).

Journal Cit - Investigations in Science Education: Volume 17, No. 2, 1983

EDRS Price - MF01/PC04 Plus Postage.

and maintaining the program, and modifying the program. Each step contains background information; activities, such as games, and possible hands-on activities. A list of resources, sources of instructional objectives, evaluation and test questions, and an index.

ED 232 914

Reference Sheet on Social Studies for Special Learners.
ERIC Clearinghouse for Social Studies, Social Science Education, Boulder, Colo.

ED 232 915

Reference Sheet on Area Studies (Asia).
ERIC Clearinghouse for Social Studies/Social Science Education, Boulder, Colo.

ED 232 916

Reference Sheet on Economics.
ERIC Clearinghouse for Social Studies/Social Science Education, Boulder, Colo.

ED 232 917

Reference Sheet on Social Studies.
ERIC Clearinghouse for Social Studies/Social Science Education, Boulder, Colo.

ED 232 918

Reference Sheet on Geography.
ERIC Clearinghouse for Social Studies/Social Science Education, Boulder, Colo.

ED 232 919

Reference Sheet on Future Studies.
ERIC Clearinghouse for Social Studies/Social Science Education, Boulder, Colo.

ED 232 920

Reference Sheet on Curriculum Development.
ERIC Clearinghouse for Social Studies/Social Science Education, Boulder, Colo.

EDR Price - MF01/PC01 Plus Postage.

ED 232 921

Reference Sheet on Area Studies (Europe).
ERIC Clearinghouse for Social Studies/Social Science Education, Boulder, Colo.

EDR Price - MF01/PC01 Plus Postage.

ED 232 922

Reference Sheet on United States History.
ERIC Clearinghouse for Social Studies/Social Science Education, Boulder, Colo.

EDR Price - MF01/PC01 Plus Postage.

Notes:
- The order blank, list, and brochure referred to on page one are not included with the document.
- The number of citations is 10.
ED 232 923  SO 014 810  Reference Sheet on Women's Studies.  
ERIC Clearinghouse on Social Studies/Social Science Education, Boulder, Colo.  
Pub Date—Apr 82  
Note—13p. The order blank, list, and brochure referred to on page one are not included with the document.  
Pub Type—Information Analyses—ERIC Information Analysis Products (071)—Reference Materials—Bibliographies (11)  
EDRS Price—MF81/P 001 Plus Postage.  
Wants Studies  
Identifiers—PF Project  
Women in the United States, past and present, is the focus of this annotated bibliography. The following kinds and amounts of materials are cited: (1) 13 citations from "Resources in Education" (RIE); (2) 7 citations from "Current Index to Journals in Education" (CJE); (3) 23 commercially available "Student and Teacher Materials" (10 textbooks and supplementary print materials, 8 multimedia materials, 6 games and simulations, and 9 teacher resources); (4) 5 related professional organizations that may prove helpful in this area; and (5) 2 journals and newsletters. (DC)  
ED 232 924  SO 014 807  Reference Sheet on Social Studies for the Gifted and Talented.  
ERIC Clearinghouse for Social Studies/Social Science Education, Boulder, Colo.  
Pub Date—Jul 82  
Note—10p. The order blank, list, and brochure referred to on page one are not included with the document.  
Pub Type—Information Analyses—ERIC Information Analysis Products (071)—Reference Materials—Bibliographies (11)  
EDRS Price—MF81/P 001 Plus Postage.  
Identifiers—PF Project  
Teaching social studies to gifted and talented students is the topic of this annotated bibliography. The following kinds and amounts of materials are cited: (1) 13 citations from "Resources in Education" (RIE); (2) 12 citations from "Current Index to Journals in Education" (CJE); (3) 39 commercially available "Student and Teacher Materials" (11 textbooks, 6 supplementary print materials, 11 multimedia materials, 4 games and simulations, and 7 teacher resources); (4) 3 related professional organizations that may prove helpful in this area; and (5) 3 journals and newsletters. (DC)  
ED 232 929  SO 014 811  Reference Sheet on Political Science and American Government.  
ERIC Clearinghouse for Social Studies/Social Science Education, Boulder, Colo.  
Pub Date—Aug 82  
Note—14p. The order blank, list, and brochure referred to on page one are not included with the document.  
Pub Type—Information Analyses—ERIC Information Analysis Products (071)—Reference Materials—Bibliographies (11)  
EDRS Price—MF81/P 001 Plus Postage.  
Identifiers—PF Project  
Teaching civics, political science, and government at all levels is the topic of this annotated bibliography. The following kinds and amounts of materials are cited: (1) 8 citations from "Resources in Education" (RIE); (2) 9 citations from "Current Index to Journals in Education" (CJE); (3) 23 commercially available "Student and Teacher Materials" (10 textbooks, 9 supplementary print materials, 7 multimedia materials, 6 games and simulations, and 8 teacher resources); (4) 5 related professional organizations that may prove helpful in this area; and (5) 2 journals and newsletters. (DC)  
ED 232 926  SO 014 810  Reference Sheet on Reading in the Social Studies.  
ERIC Clearinghouse on Social Studies/Social Science Education, Boulder, Colo.  
Pub Date—Jun 82  
Note—10p. The order blank, list, and brochure referred to on page one are not included with the document.  
Pub Type—Information Analyses—ERIC Information Analysis Products (071)—Reference Materials—Bibliographies (11)  
EDRS Price—MF81/P 001 Plus Postage.  
Identifiers—PF Project  
Teaching reading in the content area of social studies is the topic of this annotated bibliography. The following kinds and amounts of materials are cited: (1) 6 citations from "Resources in Education" (RIE); (2) 12 citations from "Current Index to Journals in Education" (CJE); (3) 23 commercially available "Student and Teacher Materials" (11 student materials and 10 teacher resources); and (4) 4 related professional organizations that may prove helpful in this area. (DC)  
ED 232 927  SO 014 810  Reference Sheet on Psychology and Sociology.  
ERIC Clearinghouse on Social Studies/Social Science Education, Boulder, Colo.  
Pub Date—Mar 82  
Note—13p. The order blank, list, and brochure referred to on page one are not included with the document.  
Pub Type—Information Analyses—ERIC Information Analysis Products (071)—Reference Materials—Bibliographies (13)  
EDRS Price—MF81/P 001 Plus Postage.  
Identifiers—PF Project  
Teaching psychology and sociology is the topic of this annotated bibliography. The following kinds and amounts of materials are cited: (1) 9 citations from "Resources in Education" (RIE); (2) 11 citations from "Current Index to Journals in Education" (CJE); (3) 39 commercially available "Student and Teacher Materials" (11 textbooks, 6 supplementary print materials, 11 multimedia materials, 4 games and simulations, and 7 teacher resources); (4) 3 related professional organizations that may prove helpful in this area; and (5) 3 journals and newsletters. (DC)  
ED 232 928  SO 014 811  Reference Sheet on Teaching Science.  
ERIC Clearinghouse for Social Studies/Social Science Education, Boulder, Colo.  
Pub Date—Dec 82  
Note—14p. The order blank, list, and brochure referred to on page one are not included with the document.  
Pub Type—Information Analyses—ERIC Information Analysis Products (071)—Reference Materials—Bibliographies (11)  
EDRS Price—MF81/P 001 Plus Postage.  
Identifiers—PF Project  
Teaching science, social studies, and government at all levels is the topic of this annotated bibliography. The following kinds and amounts of materials are cited: (1) 10 citations from "Resources in Education" (RIE); (2) 9 citations from "Current Index to Journals in Education" (CJE); (3) 23 commercially available "Student and Teacher Materials" (11 textbooks, 9 supplementary print materials, 7 multimedia materials, 6 games and simulations, and 8 teacher resources); (4) 4 related professional organizations that may prove helpful in this area; and (5) 2 journals and newsletters. (DC)  
ED 232 925  SO 014 810  Reference Sheet on Career Development.  
ERIC Clearinghouse on Social Studies/Social Science Education, Boulder, Colo.  
Pub Date—Aug 82  
Note—13p. The order blank, list, and brochure referred to on page one are not included with the document.  
Pub Type—Information Analyses—ERIC Information Analysis Products (071)—Reference Materials—Bibliographies (11)  
EDRS Price—MF81/P 001 Plus Postage.  
Identifiers—PF Project  
Teaching career development is the topic of this annotated bibliography. The following kinds and amounts of materials are cited: (1) 8 citations from "Resources in Education" (RIE); (2) 4 citations from "Current Index to Journals in Education" (CJE); (3) 23 commercially available "Student and Teacher Materials" (11 textbooks, 7 supplementary print materials, 9 multimedia materials, 6 games and simulations, and 7 teacher resources); (4) 3 related professional organizations that may prove helpful in this area; and (5) 3 journals and newsletters. (DC)
fourth chapter. "Future Directions," offers recommen-
dations for future policy research to increase the cur-
riculum and professional development. A list of 116 references is included (C1).

ED 227 060 SP 021 725
Yi, Jeon. Butler, Michael J.
Technological Literacy: Challenge for Teacher Edu-
cation. Current Issues
ERIC Clearinghouse on Teacher Education, Wash-
ington, D.C.
Pub Type Information Analyses - ERIC Informa-
tion Analysis Products (071)
EDRS Price MF01/PC03 Plus Postage
Descriptors: Educational Needs, Educational Qua-
Rarity, Technology (Applications), Technology Edu-
cation, Teachers, Teacher Certification, Teacher Qua-

tifications
This publication, offering support for the preser-

tation and implementation of comprehensive school health education programs: (1) determines what comprehensive school health education should be, (2) describes the skills, and knowledge that should be required of health educators; and (3) recommends methods for providing effective health education at all levels of the educational system.

ED 227 063 SP 021 762
Smith, Margaret S.
ERIC Clearinghouse on Teacher Education, Wash-
ington, D.C.
Pub Type Information Analyses - ERIC Information Analysis Products (071)
EDRS Price MF01/PC03 Plus Postage
Descriptors: Educational Needs, Educational Quali-
Rarity, Elementary Secondary Education, Edu-
cational Aspirations, Educational Aspirations, State Standards, Teacher Background, Teacher Certification, Teacher Qualifications
This publication, offering support for the preser-

tation and implementation of comprehensive school health education programs:

ED 228 160 SP 021 494
Prahl, Doug, Jr.
Challenging Young Teachers Are Educated: A Source for Dialogue and Action.
ERIC Clearinghouse on Teacher Education, Wash-
ington, D.C.
Pub Type Information Analyses - ERIC Information Analysis Products (071)
EDRS Price MF01/PC03 Plus Postage
Descriptors: Educational Needs, Educational Quali-
Rarity, Elementary Secondary Education, Edu-
cational Aspirations, Educational Aspirations, State Standards, Teacher Background, Teacher Certification, Teacher Qualifications
This publication, offering support for the preser-

tation and implementation of comprehensive school health education programs:

ED 229 133 TM 830 125
Hedges, Larry V.
Statistical Methodology in Meta-Analysis.
ERIC Clearinghouse on Tests, Measurement, and Evaluation, Princeton, N.J.
Pub Type Information Analyses - ERIC Information Analysis Products (071)
EDRS Price MF01/PC04 Plus Postage
Descriptors: Analytical Methods, Research Methodology, Research Problems, Statistical Analysis, Statistical Studies, Effect Size, Glass (G V), *Meta-Analysis*

Meta-analysis has become an important supple-
ment to traditional methods of research reviewing, although many problems must be addressed by the researcher who carries out a meta-analysis. These problems include identifying and defining appro-
riate studies, extracting estimates of effect size from the studies, coding or classifying studies, analy-
izing the extracted data, and synthesizing the data for the analysis. Earlier work by Glass, McGaw, and Smith describes methods for dealing with these problems; and this publication generates a general methodology for the development of systematic statistical theory for meta-
analysis. This monograph supplements the existing literature on meta-analysis by providing a unified treatment of rigorous statistical methods for meta-analysis. These methods provide a mechanism for responding to criticisms of meta-analysis such as that meta-analysis may lead to oversimplified conclusions or be influenced by design in the original research studies. Contents include: indices

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of effect size, statistical analysis of effect size data, assumptions, and the statistical model, estimation of effect size, an analogue to the analysis of variance for effect size, the effects of measurement error on effect size, statistical analysis when correlations or proportions are the index of effect magnitude, and statistical analysis for correlations as effect magnitude. (Author PN)

ED 227 134
Shapard, Lorne D
Assessment of Learning Disabilities
ERIC Clearinghouse on Tests, Measurement, and Evaluation, Princeton, N.J.
Washington, DC
Report No—ERIC (TM) 82
Pub Date—Dec 82
Contract—400-78-0003
Note—76p.
Available from—ERIC TM, Educational Testing Service, Princeton, NJ 08543 (SN 01)
Pub Type—Information Analyses—ERIC Information Analysis Products (071)
EDRS Price—MF01/PC04 Plus Postage
The assessment and diagnosis of learning disabilities (LD) in the school is problematic. How do educators determine who is learning disabled? What practices are recommended? The main focus of the paper is on specific, relatively technical points that influence the validity of assessment. Since technical concerns are only one of the factors influencing the validity of placements, this paper is organized into two sections: the context of LD identification and technical issues in LD assessment. Specific propositions regarding the context of LD identification are advanced with supporting evidence: overidentification in the LD category; ambiguity in the definition of LD and local idiosyncratic criteria; students' needs for special help; parental demand and pressure from regular education; teaching and system failures; and the consequences of overidentification. Technical topics related to steps in the assessment process are referral bias; normal variability and clinician error; technical adequacy of tests; specialists' knowledge of test adequacy and measurement concepts; significant ability-achievement discrepancy; interpreting subtest scatter; using age norms to evaluate processing deficits; behavioral indicators, informal assessments, and clinical hypotheses testing; and exclusion bias. Recommendations made include contextual changes that are likely to help clinicians be willing to make more rigorous diagnoses and improved training and retraining of specialists. (PN)

ED 223 762
Blum, Mark L; Spangle, Stephen D
Developing Educational Programs for the High-Risk Secondary School and College Student: ERIC/CUE Urban Diversity Series, Number 99.
Washington, DC
Pub Date—Jul 82
Contract—400-77-0071
Note—65p.
Available from—ERIC Clearinghouse on Urban Education, Box 40, Teachers College, Columbia University, New York, NY 10027 ($3.00)
Pub Type—Reports—General (140)—Information Analyses—ERIC Information Analysis Products (071)
EDRS Price—MF01/PC03 Plus Postage
This essay examines characteristics of high risk students, institutional problems related to their presence in schools, and various solutions to these problems that have been implemented at the secondary, junior college, and collegiate levels. Areas discussed in which high risk students may differ from other students include cognitive ability, task motivation and task performance, cultural aspirations and its relationship to educational attainment, locus of control, and self-esteem. The responsibility of schools in directing their programs toward problematic students is considered. Major elements that must be addressed or accounted for in an academic curriculum for high risk students are identified. Among these are: (1) a wide range of cognitive skills, (2) reasoning ability, (3) communication skills, (4) nontraditional instructional methods, (5) competency-oriented disciplinary and interdisciplinary studies, (6) the revival of a "general education" curriculum, (7) self-actualization within the academic experience, (8) integration of the students' social environment into schooling, (9) transitional reentry programs, and (10) retraining programs for dropouts. Finally, a program model for the education of high risk students at the secondary and postsecondary levels is proposed. The model comprises curricular concerns and evaluation practices: school organization and administration; personnel and student concerns; and access to articulation with the community and other learning institutions. An extensive list of references is provided. (GC)
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30. **Professional Development**

- Guidelines, East and West: A selection of Best Practice Papers  
  ED 238 957 (ME)

- Status of Teachers and Institutions for Professional Development  
  ED 238 960 (ME)

31. **Professional Education**

- Human Resource Development: The Perspective of Business and Industry Information Series No. 9  
  ED 238 961 (ME)

- Professional Training  
  Human Resource Development: The Perspective of Business and Industry Information Series No. 9  
  ED 238 961 (ME)

32. **Program Administration**

- The Management of Student Affairs Programs in Community Colleges: Recurring Processes and Stultifying Horizons Issues Monograph Series  
  ED 223 977 (ME)

- Program Descriptions  
  Current Issues in Environmental Education and Environmental Studies: Volume VIII. Selected Papers from the Annual Conference of the National Association for Environmental Education (13th), Silver Bay, New York, October 15-20, 1982  
  ED 229 282 (SE)  
  Environmental Education in Action VI Change Agents in and for Environmental Education  
  ED 225 804 (SE)  
  Outdoor Education for the Handicapped Project: An Overview  
  ED 223 401 (RC)

33. **Program Design**

- Mathematics Teachers: An Endangered Species  
  ED 223 413 (ME)

- Program Development  
  Assessment, Placement, and Programming of Bilingual Exceptional Pupils: A Practical Approach  
  ED 224 267 (RC)  
  Career Education for Behaviorally Disordered Students  
  ED 227 630 (EC)  
  Developing Educational Programs for the High-Risk Secondary School and College Student. ERIC CI E Urban Diversity Series, Number 80  
  ED 223 762 (UD)  
  ED 226 311 (CG)

- Program Discontinuance Planning for Program Discontinuance: From Default to Design. AAHE-ERIC/Higher Education Research Report No. 5, 1982  
  ED 224 451 (HE)

- Program Duplication State-Level Agencies, the Curriculum, and Program Duplication. AAHE-ERIC/Higher Education Research Currents  
  ED 227 799 (HE)

- Program Effectiveness A Meta-Analysis of Research on Science Teacher Education Practices Associated with Inquiry Strategy  
  ED 226 991 (SE)  
  ED 226 311 (CG)

- Program Evaluation Planning for Program Discontinuance: From Default to Design. AAHE-ERIC/Higher Education Research Report No. 5, 1982  
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  ED 232 814 (MI)

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  ED 237 143 (MI)

- Psychology  
  Reference Sheet on Psychology and Sociology  
  ED 232 927 (IM)

- Public Policy  
  Government Support for Minority Participation in Higher Education. AAHE-ERIC/Higher Education Research Report No. 9, 1982  
  ED 226 688 (HI)

- Questioning Techniques Exploring Spontaneous Speech in Bilingual Students' Methods & Techniques  
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  Secondary School Reading: What Research Reveals for Classroom Practice  
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- Reading Programs  
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  Secondary School Reading: What Research Reveals for Classroom Practice  
  ED 221 837 (CS)

- Research Methodology  
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  ED 227 132 (TM)  
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  ED 226 603 (FL)

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  ED 226 836 (PS)

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  A Bibliography to Accompany the Joint Committee's Standards on Educational Evaluation  
  ED 222 512 (TM)  
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  ED 226 603 (FL)

- Resource Materials  
  Data Book of Social Studies Materials and Resources. Volume 8  
  ED 224 763 (SO)  
  How ERIC Can Help Librarians in Rural Areas Meet the Information Needs of Teachers, Administrators, and Students  
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  Meeting the Challenges: Developing Faculty Careers. ASHE-ERIC Higher Education Research Report No. 3, 1982  
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Computers in the English Classroom: A Primer for Teachers.
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ED 229 214 (SE)

Stapp, William B., Ed.
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ED 226 944 (SE)

Stone, Antonia
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Investigations in Mathematics Education. Volume 16, No. 1.
ED 226 955 (SE)

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Microcomputers in Special Education: Selection and Decision Making Process.
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Divestiture in Special Education: A Personal Point of View. The 1982 Statespersons' Roundtable.
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Advancing the Liberal Arts. New Directions for Community Colleges. Number 42.
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ED 228 793 (EC)

Weintraub, Frederick J.
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