This sixth issue of ERIC Products lists 396 publications of information analysis for Fiscal Year 1973 (July 1972 through June 1973). The publication includes substantial bibliographies, review papers, and state-of-art papers which are identified as ERIC information analysis publications; it excludes routine brochures, accession lists and short notes published in clearinghouse newsletters. To correspond with the issues of RIE, the references in this bibliography are arranged by each clearinghouse's alpha prefix. Within each clearinghouse, entries without identified personal authors are listed before those with authors. For each entry, the following items of information have been given: 1) personal author(s); 2) title; 3) series name and number; 4) journal reference; 5) date of publication; 6) number of pages; 7) type of publication; 8) ERIC Document number or clearinghouse accession number; 9) date of appearance of abstract in RIE; 10) price of the document; and 11) a brief abstract. Information about the ERIC system, details on ordering documents, and a subject index are also included. (Author/CH)
ERIC PRODUCTS 1972-1973

U. S. Department of Health, Education and Welfare
National Institute of Education
ERIC PRODUCTS 1972–1973

An Annotated Bibliography of Information Analysis
Publications of the ERIC Clearinghouses
July 1972 Through June 1973

Sarah G. Maury, editor

ERIC CLEARINGHOUSE ON LIBRARY AND INFORMATION SCIENCES
AMERICAN SOCIETY FOR INFORMATION SCIENCE
December 1973

U.S. Department of Health, Education and Welfare
National Institute of Education
Educational Resources Information Center
Washington, D.C. 20208
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INTRODUCTION

The ERIC System

ERIC, an acronym for Educational Resources Information Center, is a nationwide information system designed and supported by the National Institute of Education. Since June 1964, ERIC has been dedicated to the progress of education through the dissemination of education research results, research-related materials, and other resource information that can be used in developing more effective educational programs. ERIC consists of a coordinating staff in Washington, D.C. and a number of clearinghouses located at universities or with professional organizations across the country.

Through this network of specialized centers or clearinghouses, each of which focuses on a specific field in education, information is acquired, evaluated, abstracted, indexed, and announced in ERIC reference products. These reference publications, Current Index to Journals in Education (CIJE) and Research in Education (RIE), thus provide access to reports of innovative programs and significant efforts in educational research, both current and historical, which might otherwise not be made available.

**CIJE** is a monthly index to 700 educational periodicals. The majority of these publications represent the core periodical literature in the field of education. The other publications indexed in **CIJE** represent coverage devoted to peripheral literature relating to the field of education. This unique feature assures access to important articles published in those periodicals which fall outside the scope of education-oriented literature. **CIJE** is published by Macmillan Information, 866 Third Avenue, New York, New York 10022. Subscription rate: U.S.-$44.00 a year; single copy-$4.00; semiannual and annual cumulative indexes- $45.00. Foreign subscriptions have postage added.

**RIE** is a monthly abstract journal announcing recently completed research and research-related documents in the field of education. **RIE** is published by the Superintendent of Documents, U.S. Government Printing Office (G.P.O.), Washington, D.C. 20402. Subscription rate: U.S.-$38.00 a year; foreign-$47.50; single copy, U.S.-$3.25. Semiannual and annual cumulative indexes are also available from G.P.O.

**ERIC Products**

**ERIC Products** is an annual bibliography of those publications of the ERIC Clearinghouses which reflect information analysis activities. In addition to the bibliographic activities which are conducted to increase dissemination of information on document availability, each clearinghouse also engages in information analysis activities, which include the preparation of bibliographies, research reviews, interpretive studies, and similar publications, designed to list, organize, review, and synthesize the literature of educational research to meet the needs of the user community.

The publication includes substantial bibliographies, review papers, and state-of-the-art papers which are identified as ERIC information analysis publications; it excludes routine brochures, accession lists and short notes published in clearinghouse newsletters. This sixth issue of **ERIC Products** lists 396 publications for Fiscal Year 1973 (July 1972 through June 1973).

The full text of 290 of the 396 documents cited in this bibliography is available in two forms: microfiche (MF)- a 4" X 6" sheet of microfilm, on which up to 70 pages of text are reproduced, and hard copy (HC)- a reproduction of the document on paper at the original size, and may be ordered from the ERIC Document Reproduction Service (EDRS). In most cases if the document is not available from EDRS, an alternate availability is given with the citation.

For these documents available from EDRS, whether in microfiche or hard copy form, the following requirements apply:

1. All items must be ordered by ED number.
2. Book rate or library rate postage is included in the prices. The difference between book rate or library rate and first class or foreign postage (outside the continental United States) rate will be billed at cost.
3. Payments must accompany orders under $10.00.
4. All orders must be in writing; no phone orders.

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Further details on ordering documents and order forms are available on request by writing to EDRS at the above address.

To correspond with the issues of *RIE*, the references in this bibliography are arranged by the clearinghouse's alpha prefix. Within each clearinghouse, entries without identified personal authors are listed before those with authors. For each entry, the following items of information, as appropriate and in the form supplied by the individual clearinghouses, have been given:

1. Personal author(s)
2. Title
3. Series name and number
4. Journal reference
5. Date of publication, if not already included in a journal reference
6. Number of pages
7. Type of publication, e.g., Bibliography, Review Paper, etc.
8. ERIC Document (ED) number or clearinghouse accession number if the document has not yet appeared in *Research of Education*
9. Date of appearance of abstract in *Research in Education*
10. Price of the document, in either microfiche (MF) or hard copy (HC) format
11. A brief abstract

*The first issue of *ERIC Products*, listing 149 publications of Fiscal Year 1968, is available as ERIC document ED 029 161 (Price: MF-$0.65; HC-$3.29), the second issue, listing 240 publications of Fiscal Year 1969, is available as ERIC document ED 034 089 (Price: MF-$0.65; HC-$3.29), the third issue, listing 366 publications of Fiscal Year 1970, is available as ERIC document ED 041 598 (Price: MF-$0.65; HC-$3.29); the fourth issue, listing 416 publications of Fiscal Year 1971, is available as ERIC document ED 054 827 (Price: MF-$0.65; HC-$3.29), the fifth issue, listing 415 publications of Fiscal Year 1972, is available as ERIC document ED 077 512 (Price: MF-$0.65; HC-$3.29). All issues may be ordered from the ERIC Document Reproduction Service.*
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ERI**: PRODUCTS 1972 - 1973
STATISTICAL SUMMARY
73-001 Apps, Jerold W. TOWARD A WORKING PHILOSOPHY OF ADULT EDUCATION. May 1973. 74pp. (Monograph) AC 014 399
Defining working philosophy as an individual adult educator's system of beliefs, this monograph includes a brief look at general philosophies, an overview of educational philosophies, and a discussion of beliefs about the adult learner, about the overall purpose of adult education, content, and the learning process.

73-002 Carlson, Robert A. CONCEPTUAL LEARNING: FROM MOLLUSKS TO ADULT EDUCATION. March 1973. 40pp. (Literature Review) ED 070 958 RIE May 1973 MF-$0.65 HC-$3.29
This review traces the intellectual and political growth in the adult education movement, lists recent seminal studies in the field, and presents a series of relatively non-technical interpretations.

73-003 Charters, Margaret. CONSUMER EDUCATION PROGRAMMING IN CONTINUING EDUCATION. January 1973. 43pp. (Literature Review) ED 070 920 RIE May 1973 MF-$0.65 HC-$3.29
The literature concerning the development of consumer education for adults is reviewed; studies relating to target audiences, delivery systems, resource materials, existing and potential research are included.

This annotated bibliography contains citations for dissertations pertaining to the education and training of adults which were completed in member institutions of the Commission of Professors of Adult Education, as well as at non-member institutions and in other departments and institutions. Subject, author, and institutional indexes are provided.

73-005 Grabowski, Stanley M. "ERIC: Adult Learning Laboratories." ADULT LEADERSHIP: v21 n10 p336 April 1973. (Journal Article)
This article discusses several documents about the adult learning laboratory -- a flexible, self-contained learning system which incorporates individualized, self-paced instruction through a format of programmed materials and uses a multimedia approach to provide learning experiences to meet the needs of each learner.

Although there is no widespread use of computers in adult instruction, there are factors which might justify the heavy expense involved. Research has shown that the use of computers cuts down on the time required for a course and makes for better performance.

73-007 Grabowski, Stanley M. "ERIC: Training And Development Of Staff In Adult Education." ADULT LEADERSHIP: v21 n7 p237, 244 January 1973. (Journal Article)
There has recently been an upsurge of training programs for adult education teachers. This article lists a sampling of these, indicating the wide extent of such programs as well as the different approaches taken by specific agencies and institutions.

73-008 Grabowski, Stanley M. "Library Services For Disadvantaged Adults." CONTINUING EDUCATION FOR ADULTS; n176 p1-4 September 1972. (Journal Article)
As a tax-supported institution, the public library should provide services for disadvantaged adults. Some successful programs have provided reference books in bars, beauty shops, and barber shops; some have library vans in inner city areas; some have vest-pocket libraries in public housing projects and storefronts.
73-009 Grabowski, Stanley M. "Motivational Patterns Of Adult Participants In Independent Study Programs." CONTINUING EDUCATION FOR ADULTS; n179 pl-4 December 1972. (Journal Article) A study of motivational factors of adults enrolled in the directed self-study bachelor's degree program at University College, Syracuse University is reported. The factors were: the desire to know, to reach a personal goal, to take part in social activities, to reach a social goal, to escape, to study alone, and the desire for intellectual security.

73-010 Grabowski, Stanley M., Ed. PAULO FREIRE: A REVOLUTIONARY DILEMMA FOR THE ADULT EDUCATOR. November 1972. 142pp. (Literature Review) ED 068 819 RIE March 1973 MF-$0.65 HC-Available from Library of Continuing Education, 107 Roney Lane, Syracuse, NY 13210 ($4.00) A sampling of opinions about the philosophy of Paulo Freire as it relates to adult education. A quotational bibliography gives a comprehensive selection of the literature by and about Freire.

73-011 Grabowski, Stanley M., Ed. RESEARCH AND INVESTIGATION IN ADULT EDUCATION; 1972 ANNUAL REGISTER. January 1973. 242pp. (Annotated Bibliography) ED 074 333 RIE August 1973 MF-$0.65 HC-$9.87 This annotated bibliography includes 528 items of research or investigation in adult education, mostly dated from 1971-1972. They cover such areas as adult learning, program planning and administration, curriculum materials and instructional devices, personnel and staffing, education of particular groups, and professional and technical continuing education. There is an author index.

73-012 Johnson, Eugene I. NEEDED: A NEW COALITION FOR PUBLIC AFFAIRS EDUCATION (A REVIEW OF THE LITERATURE.) October 1972. 14pp. (Literature Review) ED 068 820 RIE March 1973 MF-$0.65 HC-$3.29 A recent survey reveals frustration with our inability to institute social change. A national coalition of broadcasting stations and public affairs agencies and organizations is needed to effect change in public affairs education.

73-013 Long, Huey B. THE EDUCATION OF THE MENTALLY RETARDED ADULT: A SELECTIVE REVIEW OF RECENT LITERATURE. April 1973. 57pp. (Literature Review) ED 074 345 RIE August 1973 MF-$0.65 HC-$3.29 An increasing body of literature on the education of retarded adults appears to lack visibility because of recent origin, limitation mostly to journals, and general content. Three broad interest areas appear -- the rationale for such education, teaching techniques and teachers, and program and curricula.

73-014 Nakamoto, June; Verner, Coolie. CONTINUING EDUCATION IN THE HEALTH PROFESSIONS; A REVIEW OF THE LITERATURE PERTINENT TO NORTH AMERICA. March 1973. 334pp. (Literature Review) ED 074 367 RIE August 1973 MF-$0.65 HC-$13.16 A review of the literature on continuing education in the health professions covers medicine, dentistry, nursing, and pharmacy. It includes such things as participant characteristics, organization and administration of programs, instructional processes, and sample programs. There are extensive references.

73-015 Osinski, Franklin W.W.; And Others. TOWARD GOG AND MAGOG OR?: A CRITICAL REVIEW OF THE LITERATURE OF ADULT GROUP DISCUSSION. August 1972. 92pp. (Literature Review) ED 066 652 RIE January 1973 MF-$0.65 HC-$3.29 This report presents a review of research on group discussion as used in adult education within the context of the nature of man and in relation to his ultimate end of self-realization. It considers factors involved in group discussion, its broad purposes, and approaches to it.

73-016 Steele, Sara M. CONTEMPORARY APPROACHES TO PROGRAM EVALUATION AND THEIR IMPLICATIONS FOR EVALUATION PROGRAMS FOR DISADVANTAGED ADULTS. March 1973. 263pp. (Monograph) ED 075 715 RIE September 1973 MF-$0.65 HC-$9.87
This monograph is designed as a reference to contemporary evaluation approaches. The first section provides an overview of the current situation; the last section presents brief summaries of contemporary models and approaches to evaluation. The middle section gives some guidelines for developing evaluation and a problem-focused index to the models in the last section.

COUNSELING AND PERSONNEL SERVICES (CG)

73-017 Waltz, Garry R.; and Others, Ed. COMMUNIQUE: RESOURCES FOR PRACTICING COUNSELORS, VOLUME 2, NUMBER 1. September 1972. 8pp. (Serial) ED 065 828 RIE December 1972 MF-$0.65 HC-$3.29
The first article of this issue of Communique, published by the ERIC Counseling and Personnel Services Information Center, deals with assisting student job-seekers. A new column entitled Vibrations briefly covers new developments in various areas of counseling and recent research. The final article concerns itself with the counselor as consultant to classroom teachers.

73-018 Waltz, Garry R.; And Others, Ed. COMMUNIQUE: RESOURCES FOR PRACTICING COUNSELORS, VOLUME 2, NUMBER 2. November 1972. 8pp. (Serial) ED 072 394 RIE July 1973 MF-$0.65; HC-$3.29
This issue of Communique contains an article on the development of a "real placement program;" a review of books in which teenagers and teachers evaluate their schools and each other; a report on the Purdue Opinion Panel; and a variety of information and resources on career information for minority students.

73-019 Waltz Garry R; And Others, Ed. COMMUNIQUE: RESOURCES FOR PRACTICING COUNSELORS, VOLUME 2, NUMBER 3. December 1972. 12pp. (Serial) ED 072 395 RIE July 1973 MF-$0.65 HC-$3.29
The feature articles of this issue of Communique focus on the selection of peer social models and on the involvement of non-classroom personnel in the modification of elementary student's behavior. The publication also presents abstracts of materials on counseling, research reports and articles of interest to counselors.

In this issue of Communique a program to enhance communication skills in counseling is presented. The books reviewed are about transactional analysis and behavioral self-control. The vibrations column covers new developments in various areas of counseling as well as recent research and materials. Other research is reported on.

73-021 Waltz, Garry R.; And Others, Ed. COMMUNIQUE: RESOURCES FOR PRACTICING COUNSELORS, VOLUME 2, NUMBER 5. March 1973. 8pp. (Serial) ED 073 413 RIE July 1973 MF-$0.65 HC-$3.29
The lead article of this issue of Communique is on campus unrest and its resolution in schools of changing ethnic composition. It also contains a description of a drug program which utilizes a puppet show.

73-022 Waltz, Garry R.; And Others, Ed. COMMUNIQUE: RESOURCES FOR PRACTICING COUNSELORS, VOLUME 2, NUMBER 6. April 1973. 8pp. (Serial) ED 075 764 RIE September 1973 MF-$0.65 HC-$3.29
Featured is an article on the counselor in the classroom, where counselors offer human relations seminars and also work with students on communication skills in the regular classroom. In addition, dissertation abstracts are included, as well as brief comments on them by members of the Communique staff.

73-023 Waltz, Garry R; And Others, Ed. COMMUNIQUE: RESOURCES FOR PRACTICING COUNSELORS, VOLUME 2, NUMBER 7. May 1973. 8pp. (Serial) ED 074 765 RIE September 1973 MF-$0.65 HC$3.29
This particular issue is devoted to the counseling issue of helping students make good choices on what college he or she should attend. Also, a section is given to ways and means for counselors
to help "problem kinds" stay in school.

73-024 Walz, Garry R.; And Others, Ed. COMMUNIQUE: RESOURCES FOR PRACTICING COUNSELORS, VOLUME 2, NUMBER 8. May 1973. 8pp. (Serial) ED 075 766 RIE September 1973 MF-$0.65 HC-$3.29

Articles on two non-verbal group counseling techniques for the elementary school counselor, a description of value clarification, the steps in the value clarification process, and specific value clarification techniques on the effects of marihuana on the individual and society are featured in this publication.

73-025 Walz, Garry R., And Others, Ed. COMMUNIQUE: RESOURCES FOR PRACTICING COUNSELORS, VOLUME 2, NUMBER 9. June 1973. 8pp. (Serial) CG 400 080 MF-$0.65 HC-$3.29

Featured in this issue is Holland's occupational classification system for counseling. Also, ideas for elementary school counselors on how to gear for grade school are given.

73-026 Walz, Garry R.; And Others, Ed. COMMUNIQUE: RESOURCES FOR PRACTICING COUNSELORS, VOLUME 2, NUMBER 10. June 1973. 8pp. (Serial)CG 400 081 MF-$0.65 HC-$3.29

This issue of Communique features in its major article, activities for elementary school guidance, including role playing, word games, and career units. Regular features, of the monthly newsletter are also presented: (1) new materials; (2) matters of interest to helping professionals; and, (3) research findings.

73-027 Walz, Garry; And Others. IMPACT: THE MAGAZINE OF INNOVATION AND CHANGE IN THE HELPING PROFESSIONS, VOLUME 2 NUMBER 1. October 1972. 60pp. (Serial) ED 071 012 RIE May 1973 MF-$0.65 HC-$3.29

The major thrust of this issue of Impact is "New Therapies." Dr. William Glasser comments on his "reality therapy" and Robert Carkhuff discusses his "systematic eclectic approach to helping." This issue also contains articles on the Strong Vocational Interest Blank in regard to women. Other departments contain ideas, resources, and comments.

73-028 Walz, Garry; And Others. IMPACT: THE MAGAZINE OF INNOVATION AND CHANGE IN THE HELPING PROFESSIONS, VOLUME 2 NUMBER 2. December 1972. 64pp. (Serial) ED 071 013 RIE May 1973 MF-$0.65 HC-$3.29

The primary emphasis of this issue of Impact is on Career Guidance. Articles contain facts as well as comments and implications regarding this topic. A feature of interest is a modified version of the 18th century "Game of Life."


This issue of Impact, focuses on the issue of accountability in guidance. In addition, regular features include: (1) interesting source materials available; (2) news of interest to the field; and, (3) reviews of current materials on accountability.

73-030 Walz, Garry R.; And Others. IMPACT: THE MAGAZINE OF INNOVATION AND CHANGE IN THE HELPING PROFESSIONS. VOLUME 2 NUMBERS 4-5. August 1973. 99pp. (Serial) CG 400 075 MF-$0.65 HC-$3.29

This combined issue focuses on human sexuality, and ways in which helping professionals can be of most assistance to clients who are concerned about their adequacies or inadequacies in the sexual area. Areas covered include teenage sexuality, homosexuality, mixed marriages, and changing sex roles. Consultation and "underground news" are among regular features presented.

73-031 Walz, Garry; And Others. READINGS: THE APGA/IMPACT WORKSHOP ON CAREER DEVELOPMENT AND CAREER GUIDANCE. June 1973. 351pp. (Annotated Bibliography) CG 400 082 MF-$0.65 HC-$3.29

A selection of readings in the areas of career guidance and career development featuring programs at K-12, junior college,
college level and for special populations; plus an annotated bibliography of articles and documents is presented.

EDUCATIONAL MANAGEMENT (EA)


This publication, a special joint project with the National Association of Secondary School Principals, comprises 42 annotated citations of literature of interest to assistant principals. Entries are organized under seven topics: the role of the assistant principal, curriculum development, discipline, the management team, scheduling, staff relations, and student activities.

73-033 ERIC ABSTRACTS; A COLLECTION OF ERIC DOCUMENT RESUMES ON COLLECTIVE NEGOTIATIONS AND THE ADMINISTRATOR. ERIC ABSTRACTS SERIES, NUMBER TWENTY-ONE. September 1972. 25pp. (Annotated Bibliography) ED 070 175 RIE April 1973 MF-$0.65 HC-$3.29

Resumes of 37 ERIC documents that were announced in Research in Education through July 1972 are listed. A subject index is cross-referenced with the document listing. The series is published and disseminated by the National Academy for School Executives (NASE) of the American Association of School Administrators.

73-034 ERIC ABSTRACTS: A COLLECTION OF ERIC DOCUMENT RESUMES ON ALTERNATIVE SCHOOLS: NEW PATTERNS IN EDUCATION. ERIC ABSTRACTS SERIES, NUMBER TWENTY-TWO. 1972. 21pp. (Annotated Bibliography) ED 070 176 RIE April 1973 MF-$0.65 HC-$3.29

Resumes of 27 ERIC documents that were announced in Research in Education through August 1972 are listed. A subject index is cross-referenced with the document listing. The series is published and disseminated by the National Academy for School Executives (NASE) of the American Association of School Administrators.

73-035 ERIC ABSTRACTS: A COLLECTION OF ERIC DOCUMENT RESUMES ON ASSESSING EDUCATION INNOVATIONS. ERIC ABSTRACTS SERIES, NUMBER TWENTY-THREE. 1972. 21pp. (Annotated Bibliography) ED 070 177 RIE April 1973 MF-$0.65 HC-$3.29

Resumes of 27 ERIC documents that were announced in Research in Education through August 1972 are listed. A subject index is cross-referenced with the document listing. The series is published and disseminated by the National Academy for School Executives (NASE) of the American Association of School Administrators.

73-036 ERIC ABSTRACTS: A COLLECTION OF ERIC DOCUMENT RESUMES ON OPEN SPACE SCHOOLS. ERIC ABSTRACTS SERIES, NUMBER TWENTY-FOUR. 1973. 21pp. (Annotated Bibliography) ED 071 175 RIE May 1973 MF-$0.65 HC-$3.29

Resumes of 29 ERIC documents that were announced in Research in Education through August 1972 are listed. A subject index is cross-referenced with the document listing. The series is published and disseminated by the National Academy for School Executives (NASE) of the American Association of School Administrators.


This directory lists faculty at the University of Oregon alphabetically and includes for each faculty member data on departmental affiliation, professional interests, and special projects planned, in process, or completed. The register is indexed by department and subject area.

This report comprises three ERIC literature reviews on class size, open plan schools, and flexible-modular scheduling. Each review surveys literature previously announced in Research in Education concerning its particular subject area, and each includes a bibliography. The report was published by the National School Boards Association.


The combinations of design features that make up good school acoustical environments require the attention of school planners and administrator. Literature previously cited in Research in Education alerts educators to basic principles of sound transmission and control. The review includes techniques for reducing unwanted noise and evaluating acoustical conditions.


Literature previously announced in Research in Education indicates that all environments are occasions for learning and that the open plan approach to school design can best provide for fluid interaction between the child and his physical surroundings. Topics include vitalizing the environment, realizing the concept, planning, standards, resources, and bibliographies.

73-041 Baas, Alan M. ENVIRONMENTS FOR THE PHYSICALLY HANDICAPPED. EDUCATIONAL FACILITIES REVIEW SERIES NUMBER 8. August 1972. 6pp. (Literature Review) ED 066 793 RIE January 1973 MF-$0.65 HC-$3.29

Educators and architects are now beginning to realize that the special architectural needs of the physically handicapped are complex and deserve more consideration than they were given in the past. This review surveys literature previously announced in Research in Education concerning the total environmental requirements of the handicapped.


The instructional materials center (IMC) integrates traditional library services with the multimedia devices and materials required in current educational practice. Documents and journal articles in this review discuss IMC design in relation to various instructional techniques and school objectives.


The lighting of a school building affects health and student achievement. Literature previously announced in Research in Education explains some biological effects of light and summarizes general lighting principles related to visual task performance. The review also discusses natural and artificial lighting, and reports trends in luminous design.


This paper reviews literature previously cited in Research in Education on the use of modular components in construction of educational facilities. Topics include modular components and materials, systems performance, applications, and facility case studies.


This document reviews the literature, previously cited in Research in Education,
concerned with open plan schools. The open plan design is defined as encompassing large, open areas that shelter numbers of students, paraprofessionals, and teachers in a climate of daily change.


Current physical education programs emphasize the need for school facilities to accommodate individual, group-oriented, and community activities. Literature previously announced in Research in Education offers design and construction information for both indoor and outdoor facilities, including gymnasiums, wide-span and air-supported structures, playing fields, tracks, and swimming pools.


Attractive and cost-effective resources for school district planning, modern relocatable classrooms help accommodate unexpected enrollment surges and provide flexible space for innovative programs. This review of literature previously announced in Research in Education describes types of relocatable structures, temporary space needs, and creative uses for such facilities.


There are two basic trends in modern science facilities design: education's emphasis on dynamic interaction among students and teachers, and growing sensitivity to social and environmental needs. A survey of literature previously announced in Research in Education relates facility designs and teaching techniques, specialized facilities studies, and planning information.


This review surveys literature previously announced in Research in Education pertaining to site selection for elementary and secondary schools. Documents identify typical site standards, discuss their relationship to site selection techniques, and describe methods for predicting land costs, establishing attendance areas, and integrating school locations with city planning.

73-050 Baas, Alan M. SYSTEMS BUILDING TECHNIQUES. ANALYSIS AND BIBLIOGRAPHY SERIES NUMBER 15. July 1972. 21pp. (Literature Review) ED 065 897 RIE December 1972 MF-$0.65 HC-$3.29

This paper surveys the growth of the systems concept in school design and construction and reports on the system-built school as a cost-effective answer to current educational facilities needs. A 57-item bibliography is included.

73-051 Baas, Alan M. THERMAL ENVIRONMENTS. EDUCATIONAL FACILITIES REVIEW SERIES NUMBER 17. April 1973. 8pp. (Literature Review) ED 074 587 RIE August 1973 MF-$0.65 HC-$3.29

This review surveys documents previously announced in Research in Education concerning climate control, integrated thermal and luminous systems, total energy systems, and current trends in school air conditioning. The literature indicates that selection of thermal systems must take into account long-term operating costs and relative costs of available fuels.

73-052 Barraclough, Terry. ADMINISTRATOR EVALUATION. EDUCATIONAL MANAGEMENT REVIEW SERIES NUMBER 15. April 1973. 10pp. (Literature Review) ED 074 588 RIE August 1973 MF-$0.65 HC-$3.29

Administrator evaluation results from more complex schools and a larger number of administrative responsibilities and is used for salary determination and accountability. This review of literature previously announced in Research in Education comments...
on present evaluation philosophies and suggests new instruments and programs.


Management style is determined by role expectations and by an administrator's personality, value structure, adaptation to organizational structure, concept of personal success, and experience in and out of the managerial capacity. The resultant style, according to literature previously cited in Research in Education, greatly influences the school and its personnel.


The final monograph in a special series on student control and student rights, commissioned by the Clearinghouse and published by the National Organization on Legal Problems of Education, explores the legal principles governing the inspection, copying, and expunging of student records.


The second monograph in a series on the legal aspects of school administration, commissioned by the Clearinghouse and published by the National Organization on Legal Problems of Education, examines statutory and case law to determine the present legal restrictions on teacher behavior both in and out of the classroom.


This monograph is the first in a series of papers on the preparation of educational administrators. Developed cooperatively by the Clearinghouse and the University Council for Education Administration, the series focused on the various options available to those interested. This paper provides an overview of the literature on administrator preparation programs.


The middle school concept attempts educational reform through grade-level reorganization. This review surveys 19 documents previously announced in Research in Education and from that data reports the current status of middle schools and makes projections about future prospects of the concept.

73-058 Johnson, Sharon Counts. YEAR-ROUND SCHOOLS. EDUCATIONAL MANAGEMENT REVIEW SERIES NUMBER 6. May 1972.8pp. (Literature Review) ED 064 752 RIE November 1972 MF-$0.65 HC-$3.29

This review surveys documents announced in Research in Education concerning the year-round school concept. Discussion centers on advantages and disadvantages of year-round school operation, with emphasis on several specific year-round plans.

In the third paper of the administrator preparation series developed by the Clearinghouse and the University Council for Educational Administration, the authors describe the shortcomings of traditional approaches to continuing education and propose a comprehensive process for planning and evaluating effective programs.


Nongraded schools provide alternative learning environments to allow for differences between pupils. The nongraded concept suffers from lack of understanding, organizational variations, and traditional grading practices. This review of literature previously announced in Research in Education offers advice to schools starting nongraded programs, emphasizing the administrator's central role.


The quality of interpersonal relationships affects the outcome of teacher-administrator encounters. Supervisors should therefore, according to literature previously announced in Research in Education, be supportive, technically competent, able managers. This review also focuses on supervisor training, the validity of observation instruments and methods, and the systems approach and supervision.


The fourth monograph in the administrator preparation series sponsored cooperatively by the Clearinghouse and the University Council for Educational Administration presents the assumptions and rationales for training-in-common and describes several programs incorporating this approach.


Defeated bond issues and inflated building costs necessitate a search for alternative means of financing school construction. This review examines two thorough analyses of the problem by the National Educational Finance Project and the Educational Facilities Laboratories, Inc.


The first monograph in a new series on the legal aspects of school administration, commissioned by the Clearinghouse and published by the National Organization on Legal Problems of Education, discusses the legality of using public tax funds for support of religious elementary and secondary schools.


The fifth paper in the administrator preparation series developed by the Clearinghouse and the University Council for Educational Administration...
explains why different kinds of administrators are needed for schools today and describes new practices by which such persons may be recruited and selected.

Templeton, Ian. CLASS SIZE. EDUCATIONAL MANAGEMENT REVIEW SERIES NUMBER 8. August 1972. 8pp. (Literature Review) ED 066 779 RIE January 1973 MF-$0.65 HC-$3.29

This review surveys literature previously announced in Research in Education on the effects of class size on school finance and educational quality. The literature agrees that class size influences the school budget, but disagrees on the impact of class size on educational quality.

Templeton, Ian. COMMUNICATING WITH THE PUBLIC. ANALYSIS AND BIBLIOGRAPHY SERIES NUMBER SIXTEEN. 1972. 16pp. (Literature Review) ED 071 141 RIE May 1973 MF-$0.65 HC-$3.29

This paper, prepared by the Clearinghouse and published by the National School Public Relations Association, summarizes practical steps for carrying out an effective program of communication between the school and the community. A 64-item bibliography is included.


This review surveys documents previously cited in Research in Education on the concept of differentiated staffing, the accompanying controversy, programs in operation, problems in adopting differentiated staffing, and models for implementation and evaluation.


This review discusses specific merit pay programs and proposals. The literature, previously announced in Research in Education, identifies proponents and opponents of merit pay and their respective arguments, links merit proposals to the concept of accountability, reviews problems in teacher evaluation, and lists alternative merit plans.


Schools are using paraprofessional aides to increase the effectiveness of professional personnel. This review of literature previously announced in Research in Education identifies paraprofessionals and their duties, cites administrative problems arising from the use of paraprofessionals, examines paraprofessional effectiveness, and discusses the recruitment, training, and career potentials of paraprofessionals.

Templeton, Ian. SCHOOL DISTRICT REORGANIZATION. EDUCATIONAL MANAGEMENT REVIEW SERIES NUMBER 12. December 1972. 10pp. (Literature Review) ED 071 146 RIE May 1973 MF-$0.65 HC-$3.29

School districts are reorganizing to correct educational inequalities such as variations in services, tax bases, and population composition. This document reviews literature previously cited in Research in Education and discusses implementation procedures, forces opposing reorganization, and other variables affecting redistricting.


This review of literature previously announced in Research in Education focuses on the effects of school size on costs and student achievement. The author details the advantages and disadvantages of both large and small schools and investigates opportunity and actualization factors related to school size.

What the courts determine concerning the rights and responsibilities of students affects the decision-making authority of school officials. This review surveys literature previously cited in Research in Education on recent court litigation regarding student rights, considers student responsibilities and student codes, and examines administrative legal rights and concerns.

Wynn, Richard. UNCONVENTIONAL METHODS AND MATERIALS FOR PREPARING EDUCATIONAL ADMINISTRATORS.
The selected bibliography on behavior modification contains approximately 80 abstracts with indexing information explained to be drawn from the computer file of abstracts representing the Council for Exceptional Children Information Center's complete holdings as of July 1972.

The selected bibliography on counseling and psychotherapy contains approximately 100 abstracts with indexing information drawn from the computer file of abstracts representing the Council for Exceptional Children Information Center's complete holdings as of August 1972.

The selected bibliography of curriculum guides for handicapped and gifted children contains approximately 100 abstracts with indexing information explained to be drawn from the computer file of abstracts representing the Council for Exceptional Children Information Center's complete holdings as of July 1972.

The selected bibliography on diagnostic teaching contains approximately 48 abstracts with indexing information explained to be drawn from the computer file of abstracts representing the Council for Exceptional Children Information Center's complete holdings as of August 1972.

The selected bibliography on drug therapy contains approximately 46 abstracts with indexing information explained to be drawn from the computer file of abstracts representing the Council for Exceptional Children Information Center's complete holdings as of August 1972.

The selected bibliography on research on the educable mentally handicapped contains approximately 100 abstracts with indexing information explained to be drawn from the computer file of abstracts representing the Council for Exceptional Children Information Center's complete holdings as of July 1972.

The selected bibliography on educational programs of the educable mentally handicapped contains approximately 100 abstracts with indexing information explained to be drawn from the computer file of abstracts representing the Council for Exceptional Children Information Center's complete holdings as of August 1972.

The selected bibliography of directories of services for exceptional children contains approximately 75 abstracts with indexing information drawn from the computer file of abstracts representing the Council for Exceptional Children Information Center's complete holdings as of August 1972.
drawn from the computer file of abstracts representing the Council for Exceptional Children Information Center's complete holdings as of July 1972.

EMOTIONALLY DISTURBED PROGRAMS. EXCEPTIONAL CHILD BIBLIOGRAPHY SERIES. July 1972. 27pp. (Annotated Bibliography) ED 065 963 RIE December 1972 MF-$0.65 HC-$3.29

The selected bibliography of educational programs for the emotionally disturbed contains approximately 80 abstracts with indexing information explained to be drawn from the computer file of abstracts representing the Council for Exceptional Children Information Center's complete holdings as of July, 1972.

EMOTIONALLY DISTURBED-RESEARCH. EXCEPTIONAL CHILD BIBLIOGRAPHY SERIES. July 1972. 29pp. (Annotated Bibliography) ED 065 964 RIE December 1972 MF-$0.65 HC-$3.29

The selected bibliography of research on the emotionally disturbed contains approximately 90 abstracts with indexing information explained to be drawn from the computer file of abstracts representing the Council for Exceptional Children Information Center's complete holdings as of July 1972.

GIFTED AND CREATIVITY PROGRAMS. EXCEPTIONAL CHILD BIBLIOGRAPHY SERIES. July 1972. 23pp. (Annotated Bibliography) ED 065 958 RIE December 1972 MF-$0.65 HC-$3.29

The selected bibliography of gifted and creativity programs contains approximately 80 abstracts with indexing information explained to be drawn from the computer file of abstracts representing the Council for Exceptional Children Information Center's complete holdings as of July, 1972.

GIFTED AND CREATIVITY-RESEARCH. EXCEPTIONAL CHILD BIBLIOGRAPHY SERIES. August 1972. 31pp. (Annotated Bibliography)

ED 069 073 RIE March 1973 MF-$0.65 HC-$3.29

The selected bibliography of research on gifted children and creativity contains approximately 79 abstracts with indexing information explained to be drawn from the computer file of abstracts representing the Council for Exceptional Children Information Center's complete holdings as of August, 1972.

HOMEBOUND OR HOSPITALIZED; EXCEPTIONAL CHILD BIBLIOGRAPHY SERIES. August 1972. 16pp. (Annotated Bibliography) ED 069 066 RIE March 1973 MF-$0.65 HC-$3.29

The selected bibliography on homebound or hospitalized children contains approximately 45 abstracts with indexing information explained to be drawn from the computer file of abstracts representing the Council for Exceptional Children Information Center's complete holdings as of August 1972.

IMC/RMC NETWORK PROFESSIONAL FILM COLLECTION, SECOND EDITION. January 1973. 48pp. (Annotated Bibliography) ED 072 587 RIE June 1973 MF-$0.65 HC-$3.29

The catalog lists and describes approximately 293 films concerning handicapped children which are available from the Instructional Materials Centers and Regional Media Centers Network. The alphabetical listing of the films contains information about length, color, size, and purchase or rental price. A synopsis of each film is included.


The manual is designed to clarify and document procedures now in effect at the Information Center of the Council for Exceptional Children. Types of information requests received are differentiated. The various responses and communications modes used are explained. Information Center holdings, library maintenance, and reference and referral resources are described.
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<th>ISBN</th>
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<td>LEARNING DISABILITIES--PROGRAMS. EXCEPTIONAL CHILD BIBLIOGRAPHY SERIES</td>
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<td>73-099</td>
<td>MULTIPLY HANDICAPPED. EXCEPTIONAL CHILD BIBLIOGRAPHY SERIES</td>
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complete holdings as of August 1972.

**73-103 PHYSICAL HANDICAPPED/SPEECH HEALTH PROBLEMS, AND CEREBRAL PALSY. EXCEPTIONAL CHILD BIBLIOGRAPHIES SERIES.**

August 1972. 31pp. (Annotated Bibliography) ED 074 682
RIE August 1973 MF-$0.65
HC-$3.29

The selected bibliography on physical handicapped, special health problems and cerebral palsy contains approximately 100 abstracts with indexing information drawn from the computer file of abstracts representing the Council for Exceptional Children Information Center's complete holdings as of August 1972.

**73-104 PRESCHOOL AND EARLY CHILDHOOD. EXCEPTIONAL CHILD BIBLIOGRAPHY SERIES.** August 1972. 31pp.
(Annotated Bibliography) ED 069 065 RIE March 1973
MF-$0.65 HC-$3.29

The selected bibliography on preschool and early childhood contains approximately 91 abstracts with indexing information explained to be drawn from the computer file of abstracts representing the Council for Exceptional Children Information Center's complete holdings as of August 1972.

**73-105 PROFESSIONAL EDUCATION. EXCEPTIONAL CHILD BIBLIOGRAPHY SERIES.** August 1972. 32pp.
(Annotated Bibliography) ED 072 592 RIE June 1973
MF-$0.65 HC-$3.29

The selected bibliography of professional education for personnel working with handicapped children contains an explanation of indexing and approximately 100 abstracts to be drawn from the computer file of abstracts representing the Council for Exceptional Children Information Center's complete holdings as of August 1972.

**73-106 PROGRAMMED INSTRUCTION. EXCEPTIONAL CHILD BIBLIOGRAPHY SERIES.** August 1972. 23pp. (Annotated Bibliography) ED 074 687
RIE August 1973 MF-$0.65
HC-$3.29

The selected bibliography on programmed instruction contains approximately 70 abstracts with indexing information drawn from the computer file of abstracts representing the Council for Exceptional Children Information Center's complete holdings as of August 1972.

**73-107 READING METHODS AND PROBLEMS. EXCEPTIONAL CHILD BIBLIOGRAPHY SERIES.** August 1972. 32pp.
(Annotated Bibliography) ED 072 588 RIE June 1973
MF-$0.65 HC-$3.29

The selected bibliography of reading methods and problems contains an explanation of indexing and approximately 100 abstracts to be drawn from the computer file of abstracts representing the Council for Exceptional Children Information Center's complete holdings as of August 1972.

**73-108 REGULAR CLASS PLACEMENT/SPECIAL CLASSES. EXCEPTIONAL CHILD BIBLIOGRAPHY SERIES.** July 1972. 24pp. (Annotated Bibliography) ED 069 967 RIE December 1972
MF-$0.65 HC-$3.29

The selected bibliography on regular class placement and special classes for handicapped and gifted children contains approximately 70 abstracts with indexing information explained to be drawn from the computer file of abstracts representing the Council for Exceptional Children Information Center's complete holdings as of July 1972.

(Annotated Bibliography) ED 069 069 RIE March 1973
MF-$0.65 HC-$3.29

The selected bibliography of research on speech handicaps contains approximately 69 abstracts with indexing information explained to be drawn from the computer file of abstracts representing the Council for Exceptional Children Information Center's complete holdings as of August 1972.

**73-110 TEACHER AIDES AND NONPROFESSIONAL PERSONNEL. EXCEPTIONAL CHILD BIBLIOGRAPHY SERIES.** August 1972. 32pp. (Annotated Bibliography) ED 072 594 RIE June 1973
MF-$0.65 HC-$3.29
The selected bibliography on teacher aides and non-professional personnel who work with handicapped children contains an explanation of indexing and approximately 100 abstracts to be drawn from the computer file of abstracts representing the Council for Exceptional Children Information Center's complete holdings as of August 1972.

73-111 TRAINABLE MENTALLY HANDICAPPED-PROGRAMS. EXCEPTIONAL CHILD BIBLIOGRAPHY SERIES. July 1972. 20pp. (Annotated Bibliography) ED 069 074 RIE March 1973 MF-$0.65 HC-$3.29

The selected bibliography of programs for trainable mentally handicapped children contains approximately 55 abstracts with indexing information explained to be drawn from the computer file of abstracts representing the Council for Exceptional Children Information Center's complete holdings as of August 1972.

73-112 TRAINABLE MENTALLY HANDICAPPED-RESEARCH. EXCEPTIONAL CHILD BIBLIOGRAPHY SERIES. August 1972. 31pp. (Annotated Bibliography) ED 069 075 RIE March 1973 MF-$0.65 HC-$3.29

The selected bibliography of research on trainable mentally handicapped children contains approximately 93 abstracts with indexing information explained to be drawn from the computer file of abstracts representing the Council for Exceptional Children Information Center's complete holdings as of August 1972.

73-113 VISUALLY HANDICAPPED-PROGRAMS. EXCEPTIONAL CHILD BIBLIOGRAPHY SERIES. 19pp. (Annotated Bibliography) ED 072 590 RIE June 1973 MF-$0.65 HC-$3.29

The selected bibliography of educational programs for the visually handicapped contains an explanation of indexing and approximately 50 abstracts to be drawn from the computer file of abstracts representing the Council for Exceptional Children Information Center's complete holdings as of August 1972.

73-114 VOCATIONAL TRAINING. EXCEPTIONAL CHILD BIBLIOGRAPHY SERIES. August 1972. 31pp. (Annotated Bibliography) ED 069 072 RIE March 1973 MF-$0.65 HC-$3.29

The selected bibliography on vocational education contains approximately 88 abstracts with indexing information explained to be drawn from the computer file of abstracts representing the Council for Exceptional Children Information Center's complete holdings as of August 1972.


A bibliography intended to be a practical list of materials for teachers working with handicapped children.


TEC is a quarterly journal of the CEC Information Center (CEC ERIC Clearinghouse). Its major objective is to disseminate practical and timely information to classroom teachers working with exceptional children and youths. The journal features articles about instructional methods and materials designed for use with handicapped and gifted children.


Edited interviews with special educators at the career education conferences held in New Orleans, February, 1973. Discussions are of trends, goals, and objectives
in career education for the handicapped child.

73-118 Lake, Thomas P.; Jordan, June B. EXCEPTIONAL CHILDREN, ERIC v7, n1 November 1972, pp245-248. (Journal Article)
A discussion of current products and programs emanating from CEC ERIC'S Information Center.


ED 073 585 RIE July 1973
MF-$0.65 HC-$3.29
A needs assessment from interviews with all state directors of special education and a sampling of administrators from 40 local districts.

73-121 Nazzaro, Jean. SPECIAL TAPE SERIES: 1. "TEACHER TRAINING IN SPECIAL EDUCATION" AND 2. "LEADERSHIP TRAINING INSTITUTE FOR SPECIAL EDUCATION". April 1973. 1. 60 minutes 2. 50 minutes. (Cassette Tape Library) $10.00 per tape.
1. Conversations with Special Educators involved in Teacher Training Programs. The tapes explore delivery systems for teacher training.
2. A taped conversation with a project director, project advocate, and funding officer discussing the concepts behind the Leadership Training Institute for Special Education.

1. 60 minutes 2. 29 minutes.

"Exceptional Child Education Abstracts" provides comprehensive abstract coverage of important publications in the field of special education. It is intended for persons working or studying in any field involving the education of handicapped or gifted children, and those engaged in doing research and publishing and writing surveys.

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73-128 Oldsen, Carl F., INSTRUCTIONAL MATERIALS THESAURUS FOR SPECIAL EDUCATION, FIRST EDITION. April 1973. 42pp. (Thesaurus) ED 075 973 RIE September 1973 MF-$0.65 HC-$3.29

The thesaurus is intended to clarify and standardize terminology used to index instructional materials for exceptional children within the Special Education Instructional Materials Centers/Regional Media Centers Network. The thesaurus is presented in three formats: alphabetical order; rotated index with key words; and categories.


Discusses a new and comprehensive arithmetic curriculum for mentally handicapped students.


The manual explains abstracting and indexing styles and procedures used at the Council for Exceptional Children Information Center. Order and physical form of abstracts and record keeping are discussed in terms of procedures peculiar to local documents. Also explained are the abstract control list, thesaurus revision, and the ERIC quarterly report.

73-131 Woodworth, Karen; Breuer, Carol, Comp. THESAURUS FOR EXCEPTIONAL CHILD EDUCATION, THIRD EDITION July 1972. 21pp.(Thesaurus) ED 063 726 RIE October 1972 MF-.65 HC-3.29

The thesaurus is a distillation of the more comprehensive Thesaurus of ERIC Descriptors used by the ERIC Clearinghouses, and contains approximately 1,500 indexing terms. Descriptors selected for inclusion are those which have been found to be more applicable and necessary for indexing professional literature in the field of exceptional child education.
During October 1972, two events of national scope focused the attention of educators, parents, and politicians alike upon the subject of children and television. First-hand accounts of both these gatherings are presented in this report.

Representatives from the seven media-oriented instructional programs for disadvantaged students met with Clearinghouse staff to discuss the philosophy underlying their efforts, the means of developing instructional objectives and strategies, the criteria for the selection of materials, and the ways of evaluating performance.

This Clearinghouse-produced kit includes 20 research abstracts of papers presented at the Association for Educational Communications and Technology (AECT) Convention. April 1973, a list of the titles and authors, brochures on the ERIC system, and a specially produced microfiche. Similar folders of material are produced each year.

The discussion of copyright law presented here begins with a summary of a few basic aspects of American copyright law. The specific application of these principles of law to their use in educational broadcasts is discussed, and a selected bibliography is appended.

Intended for working teachers' use this booklet provides a convenient, useful guide to film producers and distributors catering to grammar and high schools. A list of film sources gives names and addresses, and grade range of materials offered.

Action for Children's Television (ACT), aided by Ford Foundation funds, presented the Symposium so that childhood professionals and media specialists could consider the effects of television on children and review the efforts the media have made to provide quality programming for children.

An annotated bibliography of some 40 recent articles is divided into the categories of CAT planning and utilization, case studies of utilization, attitudes toward CAI, cost effectiveness studies, research trends in student-CAI interaction, and the future prospects and policies.

73-139

The conference featured discussions of public television, instructional television, cable television, national educational radio and national public radio, educational broadcasting, and communication satellites.

73-140

The theory and practice of the "free school" movement are discussed from a pedagogical and political viewpoint. The current state of free schools is described and four major types of free schools are identified. A list of resources is given.

73-141

The whole sequence of making a film is presented from the selection of a producer and a budget to the actual script preparation and shooting. A glossary of terms and acronyms is provided and sample formats of fiction and non-fiction scripts are shown.

73-142

In stressing the more applied side of communication theory, the report proceeds from a selective listing of recent books and anthologies in communication research to four areas of research or theory judged to have interesting potential implication for educational technology, and finally to six major applied, purposive communication projects.

73-143

50 titles have been selected, abstracted, and categorized for this bibliography, designed specifically for learning lab coordinators, librarians, and media specialists. It has been divided into five educational subject areas: general topics; public school/ early childhood; community/junior colleges; college/ university; and adult education.

73-144

The development and problems of educational radio since the 1950's are described.

73-145
Shafer, Jon. EDUCATION AND CABLE TV: A GUIDE TO FRANCHISING AND UTILIZATION. January 1973. 47pp. (Guide) ED 071 432 RIE May 1973 MF-$0.65 HC-$3.29; also available from Box E, School of Education, Stanford Univ., Stanford, CA 94305 ($12.50)

Designed to provide educators with answers about cable television (CATV), this monograph and resource catalog provides a basic description of CATV, its educational
uses, and the franchising provisions which relate to its educational uses, and discusses the transition of CATV from association with broadcast television toward cable information systems.

73-146


The author describes the many types of microforms, explains the differences between each type, and discusses the uses, benefits, and drawbacks of the various microforms. Definitions for many technical terms and an annotated bibliography of the literature of micrographics are included.

73-147

Twelker, Paul A.; Layden, Ken. EDUCATIONAL SIMULATION/GAMING. August 1972. 22pp. (Annotated Bibliography) ED 064 955 RIE November 1972 MF-$0.65 HC-$3.29; also available from Box E, School of Education, Stanford Univ., Stanford, CA 94305. ($1.50)

A simple introduction to the techniques of simulation and gaming is offered, and several simulation/gaming applications are differentiated. A chart comparing simulation/gaming applications and an annotated bibliography are included, as is a directory of names and addresses for about 50 groups involved in simulation/gaming.

LANGUAGES AND LINGUISTICS (FL)

73-148

"ERIC Clearinghouse on Languages and Linguistics" October 1972. FOREIGN LANGUAGE ANNALS, v6 n1, October 1972, p113-22

(Journal Article)

This journal column, appearing triannually in Foreign Language Annals, announces recent developments in ERIC, particularly those pertaining to foreign language education. The article includes a "Notes" section and a selected, annotated bibliography of recent ERIC/FL accessions.

73-149

"ERIC Clearinghouse on Languages and Linguistics" December 1972. FOREIGN LANGUAGE ANNALS, v6 n2, December 1972, p259-66

(Journal Article)


This journal column, appearing triannually in Foreign Language Annals, announces recent developments in ERIC, particularly those pertaining to foreign language education. The article includes a "Notes" section and a selected, annotated bibliography of recent ERIC/FL accessions.

73-150


(Journal Article)


This journal column, appearing triannually in Foreign Language Annals, announces recent developments in ERIC, particularly those pertaining to foreign language education. The article includes a "Notes" section and a selected, annotated bibliography of recent ERIC/FL accessions.

73-151


(Journal Article)

HC-Available from School of Languages & Linguistics, Georgetown University, Washington, D.C. 20007.

A brief, selected, annotated bibliography of TESOL-related
documents which were recently processed by the ERIC Clearinghouse on Languages and Linguistics and entered into the ERIC system. Includes ED numbers and prices. Similar columns will appear with each issue of TESOL-Q.

73-152 Heidi Campbell. **EXTRACURRICULAR FOREIGN LANGUAGE ACTIVITIES; ERIC FOCUS REPORTS ON THE TEACHING OF FOREIGN LANGUAGES** NUMBER 29. March 1973. 10pp. (Paper) FL 004 085 MF-$0.65 HC-$3.29

The general decline of language clubs and the changing philosophy behind extracurricular activities are discussed. Suggestions are given for new kinds of extracurricular activities; including departmentwide festivals, weekend activities, and trips abroad, to replace the outdated language club with more relevant and interesting cultural experiences.

73-153 Gordon, Fannetta, Comp. **ADDRESSES OF EMBASSIES, CONSULATES, AND EDUCATIONAL AND INFORMATION OFFICES OF INTEREST TO FOREIGN LANGUAGE TEACHERS,** February 1973. 29pp. (Directory) FL 004 025 MF-$0.65 HC-$3.29

The directory includes a list of countries by principal or official language, an alphabetical listing of embassies and consulates of countries with less commonly taught languages, and a list of additional sources of information on foreign languages and cultures, with annotations describing the specific services available from these organizations.

73-154 James, Charles J., Comp. **A SELECTIVE BIBLIOGRAPHY OF DOCTORAL DISSERTATIONS IN MODERN LANGUAGE EDUCATION.** September 1972. 36pp. (Bibliography) ED 069 187 RIE March 1973 MF-$0.65 HC-$3.29; also available from MLA/ACTFL Materials Center, 62 Fifth Ave., New York, NY 10011 ($2.00).

The dissertations are listed under the following categories: general; linguistics; culture; teaching foreign literature; curriculum in foreign languages; physiology and psychology of language learning; bilingualism; teacher education in foreign languages; methods of foreign language teaching; teaching English to speakers of other languages; equipment; and foreign language examinations.

73-155 Lange, Dale L. Ed. 1972 **ACTFL ANNUAL BIBLIOGRAPHY OF BOOKS AND ARTICLES ON PEDAGOGY IN FOREIGN LANGUAGES.** May 1973. 122pp. (Bibliography) FL 004 495 MF-$0.65 HC-$6.58

Compiled from a master list of about 300 journals and various book sources, this sixth annual selective bibliography lists 3,623 items concerned with pedagogy in modern foreign languages, Latin, Greek, English-as-a-second-language, and applied linguistics. An author index is included.

73-156 Ludwig, Robert J. **LEADERSHIP IN FOREIGN-LANGUAGE EDUCATION: DEVELOPING THE STATE FOREIGN LANGUAGE ASSOCIATION.** November 1972 52pp. (State-of-the-Art Review) ED 069 199 RIE March 1973 MF-$0.65 HC-$3.29; also available from MLA Materials Center, 62 Fifth Ave., New York, NY 10111 ($2.50).

Discussion focuses on the: purpose of the state association; constitution; management of the association; executive secretary; membership; association budget; committees of the association; annual meeting; regional meetings; workshops; relations with the state education department; publications; and special services.


The purpose of this report is to identify the various aspects of language laboratory operation and maintenance as they relate to the teacher and the administrator, and to
suggest certain practices which will result in more effective utilization of the installation.


A compilation of 449 items pertaining to foreign language instruction that were accessioned by all ERIC Clearinghouses from October 1972 through March 1973, each item includes ED number, cost, and location of relevant abstracts in RIE.


A compilation of 377 items pertaining to foreign language instruction that were accessioned by all ERIC Clearinghouses from October 1972 through March 1973, each item includes ED number, cost, and location of relevant abstracts in RIE.

HIGHER EDUCATION (HE)

73-160 Bender, Robert L.; Riegel, Paul S. WHO'S READING WHAT IN HIGHER EDUCATION. May 1973. 4pp. (Literature Review) ED 074 998 RIE August 1973 MF-$0.65 HC-$3.29

A questionnaire was sent to 600 professors asking each to identify his area of specialization within the field of higher education, and to list 10 books considered basic reading for a student specializing in that area. Fourteen categories are presented, with recommended books listed under each heading.

73-161 Bowen, Howard. WHO BENEFITS FROM HIGHER EDUCATION AND WHO SHOULD PAY? August 1972. 49pp. (Report) ED 066 141 RIE December 1972 MF-$0.65 HC-$3.29

Those who believe that society is the beneficiary of higher education feel that governments should bear the majority of educational costs; however, those who believe that the student is the beneficiary feel that the student should bear the educational costs. This document discusses the issues surrounding these beliefs.

73-162 Centra, John A. STRATEGIES FOR IMPROVING COLLEGE TEACHING. December 1972. 51pp. (Report) ED 071 616 RIE May 1973 MF-$0.65 HC-$3.29

A number of ways to improve or reform college instruction are considered. The methods discussed vary from those that would attempt to change what the teacher does to those that would change primarily what the student does.

73-163 Dickey, Frank G.; Miller, Jerry W. A CURRENT PERSPECTIVE ON ACCREDITATION. November 1972. 68pp. (Report) ED 068 071 RIE February 1973 MF-$0.65 HC-$3.29

The authors examine the impact of social change on accreditation, the ways professions have influenced educational programs and institutions through accreditation procedures, the influence of the courts on accrediting agencies, and federal involvement in accreditation.


This report evaluates the diverse studies on faculty careers and synthesizes them into a general framework. The topics covered include: faculty power, influence and prestige, recruitment and promotion, academic markets, and initial socialization of faculty toward their discipline and their teaching role.

Many educators disagree on the worth of the master's degree. This report reviews the history and development and the standards required for the earning of a master's degree.

73-166 Robinson, Lora H. RENOVATING THE FRESHMAN YEAR. December 1972. 4pp. (Literature Review) ED 068 075 RIE February 1973 MF-$0.65 HC-$3.29

Academic and nonacademic changes need to be made on college and university campuses to improve the freshman experience. Freshman programs which center around an interdisciplinary approach emphasizing student-faculty contact seem to aid students in adjusting to college life.


Women's studies courses and programs are a relatively new phenomenon at higher education institutions. Existing courses and programs are surveyed and conjectures are made about their future status in college and university curricula.

73-168 Robinson, Lora H. THE EMERGENCE OF WOMEN'S COURSES IN HIGHER EDUCATION. September 1972. 4pp. (Literature Review) ED 066 139 RIE December 1972 MF-$0.65 HC-$3.29

As defined in this paper, women's courses explore the nature of women through historical, literary, biological and psychological means. The cause of the emergence of women's courses is the dissatisfaction with the way in which the role of women is portrayed, when presented, in traditional programs of study.


While some schools have already completed one or more studies of the status of women on campus, others have yet to undertake this task. This report is for those embarking on such studies in the near future.

73-170 Shell, Helene I. ENROLLMENT TRENDS IN HIGHER EDUCATION: RESEARCH CURRENTS. June 1973. 4pp. (Literature Review) ED 076 175 RIE September 1973 MF-$0.65 HC-$3.29

Recent enrollment trends are examined. Some of the effects of these trends and some institutions' solutions to problems that arise from enrollment fluctuations are considered.

73-171 Shell, Helen I. A PROFILE OF UPPER-LEVEL COLLEGES. February 1973. 4pp. (Literature Review) ED 071 622 RIE May 1973 MF-$0.65 HC-$3.29

The expansion of the junior and community college movement in the U.S. has created a significant problem for traditional 4-year colleges and universities. This paper presents a brief history, reviews advantages associated with upper-level colleges, discusses their problems, and offers recommendations for creation of upper-level colleges.

73-172 Shulman, Carol H. A LOOK AT EXTERNAL DEGREE STRUCTURES. November 1972. 4pp. (Literature Review) ED 068 070 RIE February 1973 MF-$0.65 HC-$3.29

External degree programs respond to acknowledged needs in higher education: greater access to postsecondary studies, more flexible curriculum offerings, and recognition of nontraditional forms of learning. This paper describes several external degree programs at various institutions across the U.S.

73-173 Shulman, Carol H. AFFIRMATIVE ACTION: WOMEN'S RIGHTS ON CAMPUS. September 1972. 46pp. (Report) ED 066 143 RIE December 1972 MF-$0.65 HC-$3.29

This report examines the current law governing affirmative action programs and sex discrimination on campus, and describes the approaches universities and colleges have taken to comply with the law.
The author examines the meanings of productivity outside the academic setting and relates his findings to current management and planning approaches used by higher education administrators. He then suggests that higher education institutions need to experiment more with different productivity measures to determine the formula best suited to their needs.

Trivett, David A. SMALL COLLEGE MANAGEMENT: KEY TO SURVIVAL. March 1973. 4pp. (Literature Review) ED 074 980 RIE August 1973 MF-$0.65 HC-$3.29
Management concepts for small colleges that encourage more effective resource use are described, and instructional and operating cost-cutting strategies are explained. The paper is concluded with a description of income production methods that emphasizes admissions marketing and institutional uniqueness.

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The author believes that transfer admissions are of major importance to higher education. He presents 10 transfer problems: adequate guidance, adequate orientation, diverse admission procedures, diverse academic standards, the persistent credit question, access and retention, financial aid, space problems, and articulation procedures.
Along with many other functions that are apart from the standard curriculum, community services in community colleges seem doomed to remain on the periphery. The Services lack institutional support.

Faculty evaluation can play an important role in the professional growth of individual instructors.

A description of the growth and dynamics of junior colleges, in the United States and a prediction of the limits of this growth based on population and density data.

The purpose of the study was to: (1) measure student acceptance of individualized instruction; (2) identify positive and negative factors of individualized instruction as perceived by students; and (3) identify the characteristics of the students sampled. The results indicated that only 50% preferred the individualized model.

Emphasis is on the need for more black professionals in community colleges as a better way to meet the needs of the rising number of black students enrolled in community colleges.

The case is presented for effective administration through use of institutional research and functions which can be of assistance to administrators in performing more efficiently are listed.

The problem of making vocational education viable is discussed and the challenge of reconciling the status of academic and vocational education is considered.

This article is on the status of middle management in the community college. Aspects discussed include the dual role of the chairman and alternative models of departmental organization which attempt to reduce separatism within the college.

A summary of the activities and affiliations of the Clearinghouse and a description of its present and future areas of concern are presented.

Author offers suggestions for curriculum revision in light of declining enrollments in two-year colleges.

Schultz, Raymond E. STUDY AND TRAVEL PROGRAMS ABROAD: GUIDELINES FOR TWO-YEAR COLLEGES STUDENTS. July 1972. 18pp. (Paper) ED 063 914 RIE October 1972 MF-$0.65 HC-$3.29

The administration of these programs is discussed in terms of expected outcome, credit, travel or residence study, staff costs, housing, and services contraction. Guidelines for institutions conducting foreign study programs and part of a pamphlet, "Study Abroad," which offers suggestions for selecting study-travel tours, are included.


The article demonstrates the financial impact of a college on its immediate area and provides guidelines for assessing this contribution.

Sheldon, M. Stephen; Park, Young, Comps. A DIRECTORY OF SELF-INSTRUCTIONAL MATERIALS USED IN COMMUNITY COLLEGES, SECOND EDITION. 1972. 278pp. (Directory) ED 066 156 RIE December 1972 MF-$0.65 HC-9.87; also available from UCLA Student's Store, 308 Westwood Plaza, Los Angeles, CA 90024 ($4.50)

This directory is a second and more inclusive edition of an earlier ERIC collection (see ED 053 720). Topical packages, prepared by contributing junior college instructors, are listed according to the subject matter. Information includes the author's name, institution, and the number and titles of the individual packages.


Textbooks currently in use in information science courses are listed in this bibliography under the following headings: information storage and retrieval, information systems, information theory, behavioral sciences, and basic books. Some entries in each category contain evaluative annotations by the author, while others have only the bibliographic citation.


Research on nonprofessional personnel in special libraries is reviewed with particular emphasis on the emerging paraprofessional--library technical assistant (LTA)--category, and conclusions are drawn from relevant research on paraprofessionals in other human service fields which may have implications of importance to special librarians.

Harris, Michael H.. THE PURPOSE OF THE AMERICAN PUBLIC LIBRARY IN HISTORICAL PERSPECTIVE: A REVISIONIST INTERPRETATION. 1972. 88pp. (Paper) ED 071 668 RIE May 1973 MF-$0.65 HC-$3.29

The intention of this essay is to serve as a guide to the literature on the historical development of the American public library. It also provides a selective analysis of the literature dealing with the role of the public library. An extensive selected bibliography is included.

With the onset of the information explosion, the role of the special librarian began to change. While his service goals remained the same, new techniques had to be developed to cope with the flood of published literature. Both networking and information science represent predictable responses to this situation.


The fifth annual bibliography of ERIC Clearinghouse publications reflects the information analysis activities of each Clearinghouse for Fiscal Year 1972. Included are 415 substantive bibliographies, papers, and state-of-the-art reviews. Most documents are available in microfiche or hard copy from the ERIC Document Reproduction Service (EDRS).


Since 1967 the Educational Resources Information Center (ERIC) Clearinghouses have produced a total of 1,514 information analysis products—bibliographies, literature reviews, state-of-the-art papers, evaluative summaries, and other special reports. This volume is a five-year cumulation of citations and abstracts of these ERIC Clearinghouses' products.


The many types of microforms, and their differences uses, benefits, and drawbacks are discussed. Included also, are a discussion of related technological events of the past decade, a list of microform equipment, definitions for many technical terms, and an annotated bibliography of the literature of micrographics.


The information explosion of the last thirty years and the various attempts made to organize that information in new ways are briefly reviewed, including modern classification and subject heading theory, automatic indexing, abstracting and classification.
73-204 Bernbaum, Marcia. EARLY CHILDHOOD PROGRAMS FOR NON-ENGLISH SPEAKING CHILDREN. December 1971. 65pp. (Paper) ED 054 872 RIE January 1972 MF-$0.65 HC-$3.29
A look at research studies, classroom and community guidelines, existing models and recommended handbooks pertaining to bilingual pre-school programs, the paper is for teachers and administrators organizing ways for young children to learn English.

73-205 Brown, Doris Comp. EARLY CHILDHOOD TEACHING: AN ABSTRACT BIBLIOGRAPHY. December 1972. 22pp. (Annotated Bibliography) ED 072 842 RIE June 1973 MF-$0.65 HC-$3.29
A guide to documents from RIE and CIJE on early childhood teaching involving classroom teachers, parents as teachers, and paraprofessionals.

73-206 Brown, Doris Comp. PARENT EDUCATION: AN ABSTRACT BIBLIOGRAPHY. November 1972. 37pp. (Annotated Bibliography) ED 072 841 RIE June 1973 MF-$0.65 HC-$3.29
A guide to documents from RIE and CIJE on parent education (Supplement#1). The abstracts cited deal with recent studies of parent-child programs conducted either at school or at home.

73-207 Coller, Alan R. THE ASSESSMENT OF "SELF-CONCEPT" IN EARLY CHILDHOOD EDUCATION. July 1971. 90pp. (Paper) ED 050 822 RIE June 1971 MF-$0.65 HC-$3.29
A brief look at the meaning of self concept is presented, and more than 50 approaches to the assessment of self concept in children are reviewed--direct observation, self-reports, projective techniques and behavioral trace reports. Suggestions for future study of self concept are also made.

A review of basic observational procedures useful in studying behaviors which take place between parents and their children is presented. Included are descriptions of 13 observation schedules like the Mother-Child Interaction Scale, the Parent as Reader Scale, and the ISIS Adult-Infant Interaction Schedule.

73-209 Coller, Alan R. SYSTEMS FOR THE OBSERVATION OF CLASSROOM BEHAVIOR IN EARLY CHILDHOOD EDUCATION. April 1972. 57pp. (Paper) ED 068 204 RIE February 1973 MF-$0.65 HC-$3.29
Descriptions of instruments used for observation in early childhood classrooms include 12 examples for selected situations such as the Intensity of Involvement Scale, the Discrete Classroom Behavior Schedule, and the Overview Snapshot Observational Technique.

73-210 Howard, Norma K. Comp. DAY CARE: AN ABSTRACT BIBLIOGRAPHY. October 1972. 50pp. (Annotated Bibliography) ED 052 823 RIE November 1971 MF-$0.65 HC-$3.29
This supplement was compiled to update Day Care: An Annotated Bibliography and includes entries from RIE and CIJE. Topics discussed are: family day care, day care centers, child development, staff, administration, equipment, standards, parent participation, health services, physical environment, federal and state aid, and methods of evaluation.

A guide to ERIC documents from RIE and CIJE on the subject of open education. The focus is on education practices in preschool, kindergarten and elementary school.

73-212 Katz, Lillian G. Developmental Stages of Preschool Teachers.
A discussion of the tasks and associated training needs of the developmental stages of teachers of pre-schoolers. Four stages are defined: 1) Survival, 2) Consolidation, 3) Renewal, and 4) Maturity.

Katz, Lilian G. The Enabler Model for Early Childhood Programs. 1971. CHILDREN TODAY v1 n6, pp. 20-23 11pp. (Paper) ED 066 223 RIE December 1972 MF-$0.65 HC-$3.29
The Enabler Model is part of Head Start's Planned Variation Experiment designed to give local staff and parents assistance in developing and achieving preschool, day care and other early childhood education goals. A description of the phases of the model and its six functions is included.

The implications of making learning exciting for children are discussed. A distinction is made between short-term, thrilling activities and interest-sustaining, satisfying activities that the author believes are more conducive to learning.

Teaching children effectively isn't always a function of the amount of stimulation. The distinctions between academic and intellectual goals, authoritarian and authoritative teachers, teaching and performing, and children having fun and children getting satisfaction are noted.

Discussion focuses on the definition of "open education," and the problems associated with the study of its effectiveness. Open-informal education is presented as a viable alternative to early childhood education because it promises co-occurring achievement of academic, intellectual and personal growth in children.

Michael, Elizabeth B. THE USE OF EDUCATIONAL PARAPROFESSIONALS: A SELECTED ANNOTATED BIBLIOGRAPHY. March 1972. 15pp. (Annotated Bibliography) ED 059 785 RIE June 1972 MF-$0.65 HC-$3.29
A compilation of resources concerning the need for teacher aides, their selection, pre- and in-service training and evaluation procedures. Sources also contain information on correlating the duties of the aide with those of the teacher.

Mycue, Elena De Los Santos. YOUNG CHILDREN WITH HANDICAPS: PART I, EMOTIONAL DISTURBANCE AND SPECIFIC LEARNING DISABILITIES. AN ABSTRACT BIBLIOGRAPHY. March 1973. 36pp. (Annotated Bibliography) ED 076 262 RIE September 1973. MF-$0.65 HC-$3.29
Part I of a series of abstract bibliographies concerning handicapped children contains resumes of articles on emotional disturbance and specific learning disabilities taken from RIE, CIJE, and Exceptional Child Education Abstracts.

Mycue, Elena De Los Santos. PART II, YOUNG CHILDREN WITH HANDICAPS: PHYSICALLY HANDICAPPED. AN ABSTRACT BIBLIOGRAPHY. March 1973. 71pp. (Annotated Bibliography) ED 077 580 RIE October 1973. MF-$0.65 HC-$3.29
Part II of a series of abstract bibliographies concerning handicapped children contains RIE, CIJE, and Exceptional Child Education Abstracts resumes of articles on children with aural, visual orthopedic and speech handicaps.

Mycue, Elena De Los Santos. PART III, YOUNG CHILDREN WITH HANDICAPS: EDUCABLE AND TRAINABLE MENTALLY HANDICAPPED. AN ABSTRACT BIBLIOGRAPHY March 1973. 40pp. (Annotated Bibliography) ED 076 265 RIE September 1973 MF-$0.65 HC-$3.29
Part III of a series of abstract bibliographies concerning handicapped children contains resumes from RIE,
Mycue, Elena De Los Santos. YOUNG CHILDREN WITH HANDICAPS; PART IV RESOURCES: DIRECTORIES, NEWSLETTERS, BIBLIOGRAPHIES, AND GENERAL INFORMATION. AN ABSTRACT BIBLIOGRAPHY March 1973. 75pp. (Bibliography) ED 077 579 RIE October 1973 MF-$0.65 HC-$3.29 Part IV of a series of abstract bibliographies concerning handicapped children contains resumes from RIE, CIJE, and Exceptional Child Education Abstracts pertaining to resources on the handicapped: directories, bibliographies, curriculum guides, conference proceedings, government guidelines, general information documents and some newsletters and journals.

O'Connel, Dorothy. MULTIPLY HANDICAPPED CHILDREN: A BIBLIOGRAPHY January 1973. 37pp. (Annotated Bibliography) ED 075 098 RIE August 1973 MF-$0.65 HC-$3.29 Citations from RIE, CIJE, Exceptional Child Education Abstracts and other periodicals and books comprise this bibliography on multiply handicapped children. The title of each publication and the author's name are accompanied by a group of subject descriptors.

Ogletree, Earl. UNDERSTANDING READINESS: A RATIONALE (A REJOINER TO JENSEN). March 1973. 27pp. (Paper) ED 076 226 RIE September 1973 MF-$0.65 HC-$3.29 Also available from College of Education Curriculum Lab, Univ. of Illinois Urbana IL 61801 (Catalog No. 1300-44, $1.00) The author offers a theory for explaining the relationship between physical maturation and mental development and suggests that accelerated, premature early education can be detrimental to the child's physiological, emotional and cognitive development.

Spencer, Mima. SOCIALIZATION OF YOUNG CHILDREN; AN ABSTRACT BIBLIOGRAPHY. January 1973. 34pp. (Annotated Bibliography) ED 075 104 RIE August 1973 MF-$0.65 HC-$3.29 A guide to ERIC documents cited from RIE and CIJE on the socialization of young children.

Spodek, Bernard; And Others A BLACK CURRICULUM FOR EARLY CHILDHOOD EDUCATION: TEACHING UNITS. September 1971. 186pp. (Curriculum Guide) ED 069 374 RIE March 1973 MF-$0.65 HC-$6.58 A guidebook of classroom activities designed to acquaint American children with the lifestyles of African children and the richness of African culture. Activity objectives, content outlines, teaching procedures, and materials are described. The publication also has selected bibliographies of related books, and lists of filmstrips and recordings.

Thomas, Susan B. CREATIVITY, A POSITIVE OF YOUNG CHILDREN. PAPER AND ABSTRACT BIBLIOGRAPHY. April 1973. 32pp. (Literature Review) ED 076 264 RIE September 1973 MF-$0.65 HC-$3.29 Also available from College of Education Curriculum Lab, Univ. of Illinois Urbana IL 61801 (Catalog No. 1300-45, $1.15) A short paper and abstract bibliography concerning creativity and creative thinking. The paper discusses the figural creativity in relatively disadvantaged children and urges teachers not to depend too heavily on verbal skills when evaluating performances.

Thomas, Susan B. MALNUTRITION, COGNITIVE DEVELOPMENT, AND LEARNING. August 1972. 114pp. (Literature Review) ED 069 401 RIE March 1973 MF-$0.65 HC-$6.58 A short paper and an annotated bibliography covering the effects of nutrition on learning. The paper summarizes the area of malnutrition--its definition and effects and the factors important in its study. The comprehensive bibliography contains sources dealing with nutrition, intelligence, growth and environments.

Thomas, Susan B. MODELING AND IMITATION LEARNING IN YOUNG CHILDREN. AN ABSTRACT BIBLIOGRAPHY. April 1973. 71pp. (Annotated Bibliography) ED 075 223 RIE April 1973 MF-$0.65 HC-$3.29 Abstracts that deal with modeling and imitation learning are grouped into five subtopics: 1) characteristics of the model and
situation, 2) modeling of aggressive responses, 3) learning roles, 4) learning values and attitudes, and 5) acquisition of various concepts and skills. Each section has an introduction discussing some of the issues of social learning.

73-229 Thomas, Susan B. NUTRITION AND LEARNING IN PRESCHOOL CHILDREN.

RURAL EDUCATION AND SMALL SCHOOLS (RC)


The 337 citations and abstracts from Research in Education (July 1971 through September 1972) and the 72 citations from Current Index to Journals in Education (July 1971 through September 1972) represent some of the latest research findings and developments in American Indian education.

73-231 MIGRANT EDUCATION, A SELECTED BIBLIOGRAPHY (WITH ERIC ABSTRACTS). ERIC/CRESS SUPPLEMENT No. 3. April 1973. 167pp. (Annotated Bibliography) ED 075 162 RIE August 1973 MF-$0.65 HC-$6.58

The 121 citations and abstracts from Research in Education (April 1971 through September 1972) and 40 citations from Current Index to Journals in Education (December 1970 through September 1972) represent some of the latest research findings and developments in migrant education.


Some 111 documents and 80 journal articles published between 1965 and 1972 are cited and indexed in this bibliography on outdoor education. The areas of conservation education, recreation, ecology, and natural resources are also represented. Types of materials cited include research reports, program descriptions, instructional materials, and teaching guides.


Basic information on the operation of Federal and public schools, practical suggestions on how parents can become involved, and guidelines on how to better prepare children for educational success are provided for parents of American Indian children. Two slide/cassette presentations are available to accompany the guide.

73-234 Bove, Beverly A. HEALTH SERVICES FOR MIGRANT CHILDREN. December 1972. 96pp. (Guide) ED 069 449 RIE March 1973 MF-$0.65 HC-$3.29

Written for people working to meet the health needs of migrant children, the handbook provides suggestions concerning personnel roles and lists addresses of national and state agencies where resources are available.

73-235 Easterling, Ross E.; Stevens, Francis A. READING ACHIEVEMENT OF LOWER SOCIOECONOMIC LEVEL MEXICAN AMERICAN STUDENTS. November 1972. 19pp. (Report) ED 068 221 RIE February 1973 MF-$0.65 HC-$3.29

The study attempted to determine if measures of first grade readiness, scholastic aptitude, and reading achievement were significant predictors of reading achievement at the end of third grade for Mexican American Students from two lower socioeconomic levels.

73-236 Edington, Everett D.; Conley, Howard K. CAREER EDUCATION HANDBOOK FOR RURAL SCHOOL ADMINISTRATORS. February
Implementation of an integrated career education program at three levels is discussed: (1) the elementary school program, which should be developmental; (2) the junior high school program, which is basically explorative; and (3) the high school program, which provides in-depth investigation of careers.

Link, Albert D., Comp. RURAL EDUCATION AND SMALL SCHOOLS, A SELECTED BIBLIOGRAPHY (WITH ERIC ABSTRACTS). ERIC/CRESS SUPPLEMENT No. 2. June 1972. 379 pp. (Annotated Bibliography) ED 065 256 RIE November 1972. MF-$0.65 HC-$13.16

Documents relating to rural education and small schools are cited and indexed in this bibliography of 267 citations and abstracts which appeared in Research in Education (April 1971 through March 1972) and 156 citations which have appeared in Current Index to Journals in Education (January 1971 through March 1972).


This bibliography is intended to be a handy reference for teachers on a topic which is of concern at the present time.

Callahan, Daniel, Comp. FILM HISTORY. March 1973. 11 pp. (Bibliography) HC-Available from ERIC Clearinghouse on Reading and Communication Skills, 1111 Kenyon Rd., Urbana, IL 61801.

An introduction to materials for the teaching of a film course is presented for secondary school or college instructors.

Chesebro, James W., Comp. CONTEMPORARY RHETORICAL THEORY AND CRITICISM. A SELECTED ANNOTATED BIBLIOGRAPHY. December 1972. 11 pp. (Annotated Bibliography) HC-Available from ERIC Clearinghouse on Reading and Communication Skills, 1111 Kenyon Rd., Urbana IL 61801

An overview of the scope and methods of contemporary rhetorical theory and criticism and excellent examples of actual applications are provided.

Delaney, Nancy K.; Littlejohn, Stephen W., Comp. SMALL GROUP COMMUNICATION. A SELECTED ANNOTATED BIBLIOGRAPHY. February 1973. 7 pp. (Annotated Bibliography) HC-Available from ERIC Clearinghouse on Reading and Communication Skills, 1111 Kenyon Rd., Urbana, IL 61801

An overview of the field of small group communication and an introduction to the most frequently studied areas are presented.


English and language arts educators may use this bibliography as an organized reference to all research in the area.
published during the period in question.


As an introduction to the ERIC system, certain terms basic to an informed use of the system are defined. Methods of searching the system are briefly described, and sources of further information about the ERIC system are suggested.


The inclusion of Black literature in secondary school English programs is encouraged and ERIC documents which provide information about Black literature and the black experience and which also provide methods and materials for teaching Black literature are listed.


Elementary school teachers and administrators are provided with information about sex stereotyping and racist overtones in children's books.


The merits of several methods of evaluating high school students' compositions are discussed and an annotated list of ERIC documents which contain a variety of opinions on the value of current evaluation practices is included.


Ways in which to teach creative writing and several ERIC documents which provide information on the teaching of creative writing are discussed.


A variety of ERIC journal articles and documents on the teaching of Shakespeare at the secondary and college levels is reviewed.


Teacher trainers of developments in performance based teacher education and ERIC documents which describe performance based teacher education programs for English teachers are discussed for the benefit of teacher trainers.


The inclusion of world literature in the secondary school curriculum in order to reduce racial and national stereotypes and to further the cause of international understanding is encouraged. A variety of documents on the teaching of the literature of Asia, Australia, and the Americas is included.


Designed to aid teachers of English in the understanding of computer assisted instruction, the report contains information
about the impact of computers on high school English curriculum and descriptions of relevant ERIC documents.


73-254 Dieterich, Daniel; Isaacson, David "An ERIC/RCS Report: Doublespeak." October 1973. ENGLISH JOURNAL October 1973 c.8pp. (Journal Article) Information about the misuse of language (called doublespeak) is presented for English teachers, and the education of high school students in the proper use of language, including the recognition of doublespeak, is advocated.

73-255 Feld, Merle. ERIC DOCUMENTS ON THE TEACHING OF ENGLISH—VOLUME 8: JANUARY-JUNE 1972. February 1973. 38pp. (Index) ED 071 098 RIE May 1973 MF-$0.65 HC-$3.29 The eighth volume of a compilation of all documents relating to English teaching which have been processed into the ERIC system is presented. This volume is an update of the index through June 1972.


73-257 Gombin, Laurie J., Comp. ERIC-PROCESSED DOCUMENTS ON INTERPERSONAL RELATIONSHIPS: A SELECTED BIBLIOGRAPHY. December 1972. 7pp. (Annotated Bibliography) HC-Available from ERIC Clearinghouse on Reading and Communication Skills, 1111 Kenyon Rd., Urbana, IL 61801 Sources available from the ERIC system on both general and role-specific information on interpersonal relationships are listed.

73-258 Gombin, Lorie J., Comp. ORGANIZATIONAL COMMUNICATION: A BIBLIOGRAPHY OF ERIC-PROCESSED DOCUMENTS. March 1973. 12pp. (Bibliography) HC-Available from ERIC Clearinghouse on Reading and Communications Skills, 1111 Kenyon Rd., Urbana, IL 61801 This is a source of recent research literature on organizational communication available through the ERIC system.

73-259 Harris, Larry A.; Kimmel, Marcia E., Comps. FOR THE READING TEACHER: AN ANNOTATED INDEX TO "ELEMENTARY ENGLISH," 1924-1970. October 1972.78pp. (Annotated Index) ED 066 728 RIE January 1973 MF-$0.65 HC-$3.29; also available from National Council of Teachers of English, 1111 Kenyon Rd., Urbana, IL 61801 (Stock No. 48184; $3.00) A handy guide to the content of the National Council of Teachers of English's "Elementary English" from its beginning to date, this index consists of a listing of articles of interest to teachers and researchers working in the varied areas reading.

73-260 Harris, Thomas E.; Smith, Robert M., Comp. CONFLICT THEORY AND COMMUNICATION: AN ANNOTATED BIBLIOGRAPHY. March 1973. 12pp. (Annotated Bibliography) HC-Available from ERIC Clearinghouse on Reading and Communication Skills, 1111 Kenyon Rd., Urbana, IL 61801 As an aid to speech communication educators, an annotated list of materials pertinent to the study of conflict theory as it relates to communication is provided.

73-261 Harvey, Robert C., Kirkton, Carole M., Ed. ANNOTATED INDEX TO THE ENGLISH JOURNAL: FIRST SUPPLEMENT: 1964-1970. September 1972.110pp. (Annotated Index) ED 067 664 RIE February 1973 MF-$0.65 HC$6.58; also available from National Council of Teachers of English, 1111 Kenyon Rd., Urbana, IL 61801 (Stock No. 47826; $3.25) In this index, which can be used as a guide to professional reading as well as a research tool, 1100 articles that originally appeared in the "English Journal" from 1964 to 1970 are annotated and indexed. The Table of Contents is the main avenue of access.

9pp. (Annotated Bibliography) HC-Available from ERIC Clearinghouse on Reading and Communication Skills, 1111 Kenyon Rd., Urbana, IL 61801

This is a well-annotated bibliography for educators wishing to familiarize themselves with linguistically sound documents related to teaching English as a second dialect.

Hillocks, George, Jr. ALTERNATIVES IN ENGLISH: A CRITICAL APPRAISAL OF ELECTIVE PROGRAMS. November 1972. 154pp. (Monograph) ED 068 951 RIE March 1973 MF-$0.65 HC-$6.58

English elective programs are evaluated on the basis of a study of such programs now in operation in high schools across the United States and elective English program rationale, design, and evaluation are discussed.


Journal articles dealing with the teaching of poetry in elementary school are reviewed and ERIC documents from sources other than professional journals which deal with the same subject are described.


Some of the research done during the last two years in films study, especially as it relates to the study of English, is reviewed.


Information about elective programs and recent research of elective English programs is presented for the benefit of English educators.

Kennicott, Patrick C., Comp. THE STUDY OF BLACK AMERICAN RHETORIC: AN ANNOTATED BIBLIOGRAPHY. April 1973. 4pp. (Annotated Bibliography) HC-Available from ERIC Clearinghouse on Reading and Communication Skills, 1111 Kenyon Rd., Urbana, IL 61801

A concise list of documents pertinent to the study of black American rhetoric is presented.

Kirschbaum, Helen Fried, Comp. INTRODUCTION TO BROADCASTING. April 1973. 6pp. (Bibliography) HC-Available from ERIC Clearinghouse on Reading and Communication Skills, 1111 Kenyon Rd., Urbana, IL 61801

Suggestions of material to expand mass media courses and to aid media instructors are given.

Neff, Nancy, Comp. A SELECTED BIBLIOGRAPHY ON READING AND PERCEPTION. September 1972. 4pp. (Annotated Bibliography) HC-Available from ERIC Clearinghouse on Reading and Communication Skills, 1111 Kenyon Rd., Urbana, IL 61801

A guide to recent literature and research on the relationships between perceptual-motor skills and acquisition of reading skills in young children is presented.


Teachers and students interested in argumentation and debate are provided with a key source to especially relevant books adaptable to classroom course work or program geared to interscholastic debate.


The activities and plans for the future of the ERIC/RCS
Clearinghouse and the ERIC system in general are summarized.


Acquaints the audience with some of the many literacy and enhancement programs at the adult level in existence worldwide for comparison and general knowledge purposes.

73-273 Olsen, Turee, Comp. SELECTED ANNOTATED BIBLIOGRAPHY ON HUMANIZING THE TEACHING OF READING. September 1972. 3pp. (Annotated Bibliography) HC-Available from ERIC Clearinghouse on Reading and Communication Skills, 1111 Kenyon Rd., Urbana, IL 61801

Prepared especially for use in a study group on "Humanizing the Teaching of Reading" held prior to the 1972 National Council of Teachers of English Annual Convention, this bibliography was then added to the ERIC/RCS products list for general distribution. It describes, for educational practitioners, materials on humanizing the teaching of reading.

73-274 Olsen, Turee, Comp. A SELECTED ANNOTATED BIBLIOGRAPHY ON INDIVIDUALIZING LEARNING IN THE MIDDLE SCHOOL YEARS. October 1972. 6pp. (Annotated Bibliography) HC-Available from ERIC Clearinghouse on Reading and Communication Skills, 1111 Kenyon Rd., Urbana, IL 61801.

A reading selection list on the process of individualizing learning, particularly in the language arts, in the middle school years is suggested.

73-275 Olsen, Turee, Comp. SELECTED ANNOTATED BIBLIOGRAPHY ON READING DIAGNOSIS. August 1972. 5pp. (Annotated Bibliography) HC-Available from ERIC Clearinghouse on Reading and Communication Skills, 1111 Kenyon Rd., Urbana, IL 61801

This bibliography is designed to provide educators with current information on reading diagnosis.


A compact reading list of documents describing various college level reading programs and research on college level reading or reading programs is presented.


A hypothetical case study of a user searching the ERIC system is presented in order to acquaint potential users with the fundamental tools needed to conduct a search.


The ERIC system is described for elementary and reading teachers.


The worth of contemporary literature to high school students is discussed.

73-280 Phifer, Gregg, Comp. PARLIAMENTARY LAW: A SELECTED ANNOTATED BIBLIOGRAPHY. February 1973. 5pp. (Annotated Bibliography) HC-Available from ERIC Clearinghouse on Reading and Communication Skills, Speech Communication Association, Statler Hilton Hotel, New York, NY 10001

A handy source of Parliamentary Law and Proceedings and related documents to which researchers, teachers, and students can refer is presented.

Background information on the underlying issues of the 1973-74 National High School Debate Resolutions, which were designed to explore the necessity for, and the feasibility of, developing new federal programs to curb poverty, is contained in this handbook.


Information is provided on how parents can become involved in the reading education of their children, including several ERIC documents which contain background information on reading readiness, parents' involvement in reading and schools, and research related to reading readiness.


Elementary teachers of reading and remedial reading teachers are informed of the key aspects of selecting standardized tests and interpreting the results in a manner that would provide maximum utilization for reading instruction.


This article is designed for the elementary school teacher of reading and language arts to facilitate the understanding of cloze, and its function in identifying reading levels.

73-285 Rupley, William "Individualized Reading" varies (Fall 1973) IRA Affiliate Journals Across the Country, c. 3p. (Journal Article) HC-Available from International Reading Association, 6 Tyre Ave., Newark, DE 19711.

An overview of some of the research and programs that have been addressed to individualized reading instruction is provided.

73-286 Rupley, William H. "Recent ERIC Documents on Programs, Materials, and Methods of Reading Instruction" October 1973. READING TEACHER, October 1973, c. 4p. (Journal Article)

Reading teachers, elementary teachers, and administrators are informed of recent documents indexed into the ERIC system related to programs, materials, and methods of reading instruction.

73-287 Rupley, William, Comp. SELECTED ANNOTATED BIBLIOGRAPHY ON METHODS AND MATERIALS FOR TEACHING READING. September 1972. 3pp. (Annotated Bibliography) HC-Available from ERIC Clearinghouse on Reading and Communication Skills, 1111 Kenyon Rd., Urbana IL 61801

This bibliography is designed to describe current information on methods and materials for teaching reading.

73-288 Rupley, William, Comp. SELECTED ANNOTATED BIBLIOGRAPHY ON READING COMPREHENSION. September 1972. 3pp. (Annotated Bibliography) HC-Available from ERIC Clearinghouse on Reading and Communication Skills, 1111 Kenyon Rd., Urbana, IL 61801

This bibliography is designed to describe current information on reading comprehension for educational practitioners.


Some of the issues of Black English in the classroom are discussed, and a framework of ideas for teaching standard English, while heeding the needs of students speaking non-standard English, is provided.

This report is intended for elementary educators to help them better understand the way language perpetuates sex stereotypes in school readers and in the classroom.


The role of Black English in the classroom is discussed and various approaches to the teaching of standard English to include the needs of students speaking nonstandard English are suggested.

Smith, Holly; Comp. A SELECTED ANNOTATED BIBLIOGRAPHY ON REGIONAL AND SOCIAL DIALECTS. October 1972. 5pp. (Annotated Bibliography) HC-Available from ERIC Clearinghouse on Reading and Communication Skills, 111 Kenyon Rd., Urbana, IL 61801

English teachers and administrators are provided with further information about teaching standard English to speakers of other dialects.


The reading program in the "open school", as it is developing in the U.S. is explored.


The state of reading in the secondary schools is discussed.


RIE July 1973 MF-$0.65

HC-$3.29; also available from International Reading Association, 6 Tyre Ave., Newark DE 19711 (Order No. 853; $2.00)

Neil Postman's article, "The Politics of Reading," reprinted here from the May 1970 "Harvard Educational Review," is the core of this book which also contains replies from eight persons involved in various ways in communications. The book is designed to provoke discussion rather than to provide definite answers.


RIE February 1973 MF-$0.65

HC-$3.29

The best curriculum guides evaluated by the NCTE Committee to Review Curriculum Bulletins for the years 1972, 1971, and 1970 are listed. Each guide is annotated and information on availability is also given. Each also includes criteria for planning and evaluation of curriculum.


A descriptive list of several publications of interest to, and value for, elementary school teachers wanting to keep abreast of recent developments in the field of reading and the other language arts is provided.


Information from the ERIC base on how technology is being used in reading programs throughout the United States is presented.
SCIENCE, MATHEMATICS, AND ENVIRONMENTAL EDUCATION (SE)

73-299 U.S. OFFICE OF EDUCATION GRANTS FOR ENVIRONMENTAL EDUCATION, 1972. September 1972. 21pp. (Directory) ED 070 601 RIE April 1973 MF-$0.65 HC-$3.29; also available from the Center for Science and Mathematics Education, 244 Arps Hall, The Ohio State University, Columbus, Ohio 43210 ($0.25).

Types of projects funded and lists of projects funded for 1972 are summarized.

73-300 Aiken, Lewis R., Jr. ABILITY AND CREATIVITY IN MATHEMATICS. April 1973. 50pp. (Literature Review) ED 077 730 RIE October 1973 MF-$0.65 HC-$3.29; also available from the Center for Science and Mathematics Education, 244 Arps Hall, The Ohio State University, Columbus, Ohio 43210 ($1.25).

The relationships of intelligence, achievement, age, sex, heredity, and psychosocial factors to mathematical creativity are carefully reviewed and discussed.

73-301 Aiken, Lewis R., Jr. LANGUAGE FACTORS IN LEARNING MATHEMATICS. October 1972. 47pp. (Literature Review) ED 068 340 RIE February 1973 MF-$0.65 HC-$3.29; also available from the Center for Science and Mathematics Education, 244 Arps Hall, The Ohio State University, Columbus, Ohio 43210 ($1.00).

The relationships of verbal factors to mathematics achievement and research from 1930 to the present are discussed considering the effects of verbalization in the mathematics learning process, mathematics functioning as a language, readability of mathematics materials, verbal ability and problem solving, and other factors. An extensive bibliography is included.

73-302 Anderson, Ronald D. REVIEW OF RESEARCH IN SCIENCE EDUCATION FOR THE YEAR 1971. RESEARCH REVIEW SERIES - SCIENCE PAPER 10. April 1973. 76pp. (Literature Review) ED 077 775 RIE October 1973 MF-$0.65 HC-$3.29; also available from the Center for Science and Mathematics Education, 244 Arps Hall, The Ohio State University, Columbus, Ohio 43210 ($1.75).

A review of research in science education for college, elementary, and secondary school levels for the year 1971, which includes: Instructional Procedures and Materials, Learning and the Learner, Teaching and the Teacher, and Methodological Studies. The Bibliography includes 378 citations.

73-303 Bloser, Patricia E. IN SEARCH OF PROMISING PRACTICES IN SCIENCE TEACHER EDUCATION. March 1973. 228pp. (Monograph) MF-$0.65 HC-$9.87; also available from the Center for Science and Mathematics Education, 244 Arps Hall, The Ohio State University, Columbus, Ohio 43210 ($4.00).

Included are descriptions of many teacher education programs preparing science teachers from colleges and universities throughout the United States. The publication was produced by ERIC/SMEAC and The Association for the Education of Teachers of Science.

73-304 Disinger, John F. A DIRECTORY OF PROJECTS AND PROGRAMS IN ENVIRONMENTAL EDUCATION FOR ELEMENTARY AND SECONDARY SCHOOLS. December 1972. 530pp. (Directory) ED 071 881 RIE May 1973 MF-$0.65 HC-$19.74; also available from the Center for Science and Mathematics Education, 244 Arps Hall, The Ohio State University, Columbus, Ohio 43210 ($6.00).

Detailed descriptions of more than 200 environmental education projects and programs, recommended by state coordinators for environmental education, are listed.

73-305 Hatfield, Larry L. COMPUTER-EXTENDED PROBLEM SOLVING AND ENQUIRY. February 1973. 39pp. (State-of-the-Art Review) ED 077 732 RIE October 1973 MF-$0.65 HC-$3.29; also available from the Center for Science and Mathematics Education.
Some of the pedagogical rationales and research evidence related to use of computers as a problem-solving tool in mathematics classes are reviewed. Discussion of philosophies, objectives, effects of computer programming on mathematics achievement, motivation and attitudes, and influence on problem-solving ability is included.

Higgins, Jon L., Ed. INVESTIGATIONS IN MATHEMATICS EDUCATION, VOLUME 5, NUMBER 4, 1972. Autumn 1972. 73pp. (Abstract Journal) ED 071 880 RIE May 1973 MF-$0.65 HC-$3.29; also available from the Center for Science and Mathematics Education, 244 Arps Hall, The Ohio State University, Columbus, Ohio 43210 ($1.75 single copy)

These abstracts of research articles and documents include critical analysis of each report.

Kieren, Thomas E. RESEARCH ON COMPUTERS IN MATHEMATICS EDUCATION. April 1973. 43pp. (Literature Review) ED 077 734 RIE October 1973 MF-$0.65 HC-$3.29; also available from the Center for Science and Mathematics Education, 244 Arps Hall, The Ohio State University, Columbus, Ohio 43210 ($1.75)

Research on a wide variety of computer applications in the mathematics classroom—computer-based instruction, especially drill-and-practice and tutorial modes; computer-managed instruction; and computer-augmented problem-solving—is reviewed, and analytical comments on the findings and status of research are included.

Koran, John J., Jr. A SUMMARY OF RESEARCH IN SCIENCE EDUCATION FOR THE YEARS OF 1968-69, COLLEGE LEVEL SCIENCE. RESEARCH REVIEW SERIES -
Research related to teaching and learning science at the college level reported during 1968-1969 is summarized and critiqued. Recommendations for improving research are also given.

Lucas, A. M. "ASEP - A National Curriculum Development Project in Australia." SCIENCE EDUCATION v56 n4, pp443-451, October-December 1972. 9pp. (Journal Article) Available from ERIC/SMEAC, The Ohio State University, 400 Lincoln Tower, 1800 Cannon Drive, Columbus, Ohio 43210 (free)

The rationale, development, and materials produced at the time of publication for the Australian Science Education Project are summarized.

Lucas, A. M.; Chisman, D. G. A REVIEW OF BRITISH SCIENCE CURRICULUM PROJECTS, IMPLICATIONS FOR CURRICULUM DEVELOPERS. February, 1973. 149pp. (Literature Review) ED 076 427 RIE September 1973 MF-$0.65 HC-$6.58; also available from the Center for Science and Mathematics Education, 244 Arps Hall, The Ohio State University, Columbus, Ohio 43210 ($3.50)

A description is given of Nuffield, Schools Council, and other British curriculum development projects in science, including content, teaching techniques, materials, and other aspects, as well as a discussion of implications for the United States.

Mayer, Victor J. HANDBOOK OF UNPUBLISHED INSTRUMENTS IN SCIENCE EDUCATION. OCCASIONAL PAPER SERIES - SCIENCE PAPER 7. January 1973. 93pp. (Paper) ED 076 359 RIE September 1973 MF-$0.65 HC-$3.29; also available from the Center for Science and Mathematics Education, 244 Arps Hall, The Ohio State University, Columbus, Ohio 43210 ($1.25)

Detailed information on unpublished evaluation instruments related to science education is presented.


McGuire, Christine, SIMULATION TECHNIQUE IN THE TEACHING AND TESTING OF PROBLEM-SOLVING SKILLS. OCCASIONAL PAPER SERIES - SCIENCE PAPER 8. March 1973. 32pp. (Speech) MF-$0.65 HC-$3.29; also available from the Center for Science and Mathematics Education, 244 Arps Hall, The Ohio State University, Columbus, Ohio 43210 ($0.75)

Research related to the teaching and testing of problem solving skills is reviewed and recommendations for future efforts are provided.

Molnar, Andrew R. COMPUTER INNOVATIONS IN EDUCATION. February 1973. 87pp. ED 077 731 RIE October 1973 MF-$0.65 HC-$3.29; also available from the Center for Science and Mathematics Education, 244 Arps Hall, The Ohio University, Columbus, Ohio 43210 ($1.75)

The impact of the computer on society, types of computer systems and languages, instructional applications, administrative uses, libraries and data bases, the design of computer-oriented curricula, and cost effectiveness are discussed.

Roth, Robert E.; Helgeson, Stanley L. A REVIEW OF RESEARCH RELATED TO ENVIRONMENTAL EDUCATION. September 1972 56pp. (State-of-the-Art Review) ED 068 359 RIE February 1973 MF-$0.65 HC-$3.29; also available from the Center for Science and Mathematics Education, 244 Arps Hall, The Ohio State University, Columbus, Ohio 43210 ($1.50)

Post-1950 research on environmental education is identified and critically reviewed. The author identifies areas for further research including 94 selected studies on attempts at objective evaluation of programs, outcomes, attitudes, and administrative procedures related to secondary school, college, or adult levels.
This publication lists and briefly describes unified science programs in the United States and throughout the world. Instructional materials available for unified science are listed and annotated and an annotated bibliography of articles is provided.

**73-321**
Suydam, Marilyn N. A REVIEW OF RESEARCH ON SECONDARY SCHOOL MATHEMATICS. March 1972. 228 p. (Literature Review) ED 065 313 RIE November 1972 MF-$0.65 HC-$9.87; also available from the Center for Science and Mathematics Education, 244 Arps Hall, The Ohio State University, Columbus, Ohio 43210 ($3.50)

The review of 1550 research studies on secondary school mathematics education published between 1930 and 1970 is organized around themes: planning for instruction, attitudes and related factors, content, individualizing instruction, instructional materials and media, and teacher education.

**73-322**
Suydam, Marilyn N. THE USE OF COMPUTERS IN MATHEMATICS EDUCATION. February 1973, 100pp. (Annotated Bibliography) ED 077 733 RIE October 1973 MF-$0.65 HC-$3.29; also available from the Center for Science and Mathematics Education, 244 Arps Hall, The Ohio State University, Columbus, Ohio 43210 ($1.75)

This annotated listing of selected books, articles, and other documents on computers is organized by general educational role of computers; computer languages and programming; and mathematics instruction applications, including teaching about computers, general uses in mathematics classes, tutorial and practice modes, and problem-solving mode.

**73-323**
Suydam, Marilyn N.; Weaver, J. Fred. RESEARCH ON MATHEMATICS EDUCATION (K-12) REPORTED IN 1972. April 1972. 80pp. (Annotated Bibliography) ED 076 437 RIE September 1973 MF-$0.65 HC-$3.29; also available from the Center for Science and Mathematics Education, 244 Arps Hall, The Ohio State University, Columbus, Ohio 43210 ($1.25)

This annotated listing of research reported in 1972 in United States journals and in DISSERTATION ABSTRACTS INTERNATIONAL is presented.

**73-324**
Theiss, Frances Case. SPECIAL BIBLIOGRAPHY 5 - SCIENCE AND MATHEMATICS FOR DISADVANTAGED CHILDREN: AN ANNOTATED BIBLIOGRAPHY. September 1972. 21pp. (Annotated Bibliography) ED 066 313 RIE December 1972 MF-$0.65 HC-$3.29; also available from the Center for Science and Mathematics Education, 244 Arps Hall, The Ohio State University, Columbus, Ohio 43210 ($0.50)

This annotated listing of significant documents dealing with science and mathematics for disadvantaged children is an update of previous bibliography, ED 050 938.

**73-325**
Tyler, Ralph W. RESEARCH IN SCIENCE TEACHING IN A LARGER CONTEXT. OCCASIONAL PAPER SERIES - SCIENCE PAPER 9. March 1973. 18pp. (Literature Review) ED 076 426 RIE September 1973 MF-$0.65 HC-$3.29; also available from the Center for Science and Mathematics Education, 244 Arps Hall, The Ohio State University, Columbus, Ohio 43210 ($0.75)

Research in science education during recent years is reviewed and suggestions are made for some desired changes.

**73-326**
Trowbridge, Leslie W.; And Others A SUMMARY OF RESEARCH IN ELEMENTARY, SECONDARY, AND COLLEGE LEVELS OF SCIENCE EDUCATION FOR 1970. RESEARCH REVIEW SERIES - SCIENCE PAPER 9. September 1972. 130pp. (Literature Review) MF-$0.65 HC-$6.58; also available from the Center for Science and Mathematics Education, 244 Arps Hall, The Ohio State University, Columbus, Ohio 43210 ($1.25)

Research for the year 1970 is reviewed, providing a summary and a critique and recommendation for improvement of research.

**73-327**
Weaver, J. Fred; Suydam, Marilyn N. MEANINGFUL INSTRUCTION IN MATHEMATICS EDUCATION. June 1972. 73pp. (Monograph) ED 068 329 RIE February 1973. MF-$0.65 HC-$3.29; also available from the Center for Science and Mathematics Education, 244 Arps Hall, The Ohio State University, Columbus, Ohio 43210 ($1.25)
This monograph focuses on the discussion of the influence of meaning theory on elementary school mathematics programs and instruction and includes a review of research on the importance of meaning and the effect of teaching with meaning, plus an extensive list of references.


**Becker, James M.** TEACHING INTERNATIONAL RELATIONS. 1972. 30 pp. (Paper)

**Charles, Cheryl; Stadsklev, Ronald,** Ed. LEARNING WITH GAMES: AN ANALYSIS OF SOCIAL STUDIES EDUCATION GAMES AND SIMULATIONS. 1973. 168 p. (Monograph) ED 077 826 RIE October 1973 MF-$0.65 HC-$3.29; also available from Science Education Consortium Publications, 855 Broadway, Boulder, CO 80302 ($4.95)

In addition to 70 analyses of social studies educational games and simulations for use in kindergarten through 12th grade an extensive list of sources and resources on the development and use of educational games and simulations is presented.

**Levy, Tedd; And Others.** PROFILES OF PROMISE: NUMBER ONE. 1972. 4pp. (Serial) ED 065 406 RIE November 1973 MF-$0.65 HC-$3.29

Profiles of Promise is a series of descriptive brochures that highlight social studies and social education practices that teachers and administrators can easily adapt to their own situation. This one describes efforts at Bell Junior High School in Golden, Colorado to create a democratic environment.

**Helburn, Nicholas; Binkley, Joanna L.** 18, 19, 20: WILL THEY VOTE? 1972.


This study is an assessment of the current status of world history instruction in American secondary schools and an attempt to detect trends in the teaching of this subject. Citations from related research support the textual material in each section and graphic illustrations serve to clarify and summarize the findings of the study.

**Senesh, Lawrence.** QUALITY OF LIFE. 1972. 64pp. (Paper) SO 005638 MF-0.65 HC-$3.29.

The purpose of this paper, which emphasizes quality of life and economic growth, is to show how the presidential reports Goals for Americans and Toward Balanced Growth: Quantity with Quality [ED 055 009]) may be used as guidelines by educators to introduce new ideas into the classroom -- helping teachers to make the teaching of social sciences more relevant and helping students to develop a greater respect for the political processes of American life.
The categories under which the 189 entries on performance-based teacher education have been arranged include the following: the nature of performance-based teacher education, programs, kinds of performance, modules, the improvement of teacher performance, the assessment of teacher performance, performance-based teacher certification, and attitudes of professional organizations.

This is a 17-item annotated bibliography of research on performance-based teacher education (PBTE). The documents cited represent serious attempts to clarify PBTE. Several share conclusions, namely that teacher education should be individualized and that internships are among the most important aspects of preparing educational personnel.

This publication focuses on in-service education for rural teachers who are remote from universities or other training centers. Three models for in-service programs detail a national organization to serve rural teachers' needs, an individualized in-service program, and a voucher system. Also included are currently operating rural in-service teacher education programs.

This report reviews the literature that is pertinent to a broad understanding of the teacher center concept and to the specific problems of designing a teacher center. Emphasis is placed on the origins, themes, methods of operation, and future plans for teacher centers. Three styles of operating a center are detailed.
Mathieson, Moira B. AN ABSTRACT BIBLIOGRAPHY OF TEACHER EDUCATION PROGRAMS: PART I OF THE ERIC CLEARINGHOUSE ON TEACHER EDUCATION PROJECT ON CAREER EDUCATION. October 1972. 92pp. (Annotated Bibliography)
ED 067 382 RIE January 1973
MF-$0.65 HC-$3.29
The 150 entries were selected from all the material on vocational and career education appearing in Research in Education from January 1970 to June 1972. The bibliography is arranged chronologically according to date of publication, with separate indexes for institutions and authors and a general index which identifies content areas and document type.

Mathieson, Moira B. A BIBLIOGRAPHY OF BIBLIOGRAPHIES ON CAREER AND VOCATIONAL EDUCATION: PART II OF THE ERIC CLEARINGHOUSE ON TEACHER EDUCATION PROJECT ON CAREER EDUCATION. October 1972. 47pp. (Annotated Bibliography)
ED 067 387 RIE January 1973
MF-$0.65 HC-$3.29
The main body of this annotated bibliography contains 65 items of material from foreign countries. There are indexes for subject matter and institutions and a cross-reference listing between the ERIC (ED) numbers and the entry number in the bibliography.

This article examines some recent definitions and interpretations of the concept of career education. A wide range of philosophical values is represented. The sources used in the article date from 1972-73 because the term "career education" is a relatively new one.

Mathieson, Moira B. DRUG EDUCATION: AN ANNOTATED BIBLIOGRAPHY.
November 1972. 45pp. (Annotated Bibliography)
RIE September 1973 MF-$0.65 HC-$3.29
This bibliography cites 215 documents (including curriculum guides) and journal articles from the ERIC system which deal with drug education. The first section contains the annotations of 130 documents and journal articles; the second section is comprised solely of journal article citations, unannotated but indexed.

Mathieson, Moira B. WHAT DO THEY MEAN BY PARITY? November 1972. 18pp. (Monograph) ED 067 391 RIE January 1973 MF-$0.65 HC-$3.29
This document reviews the meaning of "parity" from three broad perspectives: teacher education institutions, teachers as represented by unions and professional organizations, and individuals or groups occupying a middle ground. The major points are substantiated by excerpts from study commission and task force reports and individual and organizational references.

ED 071 995 RIE May 1973 MF-$0.65 HC-$3.29
Four interrelated premises--specialism, sequentialism, fundamentalism, and credentialism--are presented in light of their functional and dysfunctional roles in career education. Suggestions are made which would enable career education to maximize possibilities in education, obliterate the distinction between work and leisure, and increase career education's concern with human services.

Poliakoff, Lorraine. EVALUATING SCHOOL PERSONNEL TODAY. January 1973. 16pp. (Literature Review)
This document is based on a review of the literature on evaluation in the ERIC system. Emphasis is placed on the evaluation of school administrators, teacher evaluation by students, and the teacher's role in evaluation. A 23-item bibliography is included.


This article is based on a review of the literature in the ERIC system on evaluation. Summarized are trends in the evaluation of school administrators, teacher evaluation by students, and the teacher's role in evaluation. A 23-item bibliography is included.


This outline was excerpted from a May 1972 Clearinghouse publication of the same name. Two parts of the outline were selected: the functions of a teacher center and its governance. The outline is based on fugitive documents developed primarily under the auspices of the U.S. Office of Education.


This document outlines the competency-based education (CBE) movement in the U.S. Following introductory material, the outline covers the roots of the CBE movement, distinguishing characteristics, degree of participation, resources, issues, a glossary for CBE, and a profile of CBE by state.


This glossary of educational reform jargon provides the reader with information concerning the concepts, practices, and places where change is being discussed or carried out. Emphasis is placed on educational reform and the role of the Federal government in that reform. Appendixes include extensive reference materials.


This review article deals with several different approaches which have been used to obtain information related to college environments. The article briefly traces the fifteen-year history of such measures and focuses in detail on three approaches--an aperceptual, a factual and an approach that combines both.


The 50 papers on educational evaluation presented at the 1972 American Education Research Association are reviewed. The papers were classified into four categories: Theory and Methodology, Empirical Models, Empirical Studies, the Nationwide Evaluation and State Assessment. The papers reviewed, their authors, and, when applicable, the ED numbers are listed.

Davis, Frederick B. 1972 AERA CONFERENCE SUMMARIES: CRITERION-REFERENCED MEASUREMENT. February 1973, 8pp. (Paper) ED 073 143 RIE June 1973 MF-$0.65 HC-$3.29

Eight papers on various aspects of criterion-referenced measurement presented at the 1972 meeting of the American Educational Research Association are reviewed. A list of the papers reviewed, their authors, and, when applicable, the ED numbers is provided. In addition, 10 references considered as valuable are provided.
A summary of a review of the literature to determine the extent of the reading problem and to identify, analyze and summarize survey and test data which indicate the reading ability of various populations in relation to individual and social needs. (See ED 054 922 for full report).

A summary of a survey of the literature to determine what methods are used to teach reading, whether different methods produce different results, whether different methods are built into essentially different pools of knowledge, and the amount of time and resources expended on development and remedial reading instruction. (See ED 054 922 for full report).

A summary of a literature review concerning the preparation and selection of reading teachers, state education code directives for teaching reading, state certification requirements for reading teachers and specialists, and the relationship between teacher preparation, teacher characteristics, and student achievement. (See ED 054 922 for full report).

The 54 papers related to test development, interpretation, and use that were presented at the 1972 meeting of the American Educational Research Association are reviewed. Among the topics covered are educational objectives, attitude measurement, item types, confidence weighting, observational techniques, testing programs and test bias.

This summary paper defines performance contracting, discusses the typical payment schedule which lies at the heart of such contracts in terms of problems in measurement, and reviews the major pros and cons of such practices, with special emphasis placed upon accountability, administration, and innovation.

Ninety instruments designed to assess attitudes, behaviors, practices, knowledge, and correlates of drugs other than nicotine and alcohol are described. Some instruments are for use with general populations of students or adults while others are appropriate only for use with drug-addicted or drug-dependent respondents.

One hundred-seventeen instruments designed to assess attitudes, behaviors, practices, knowledge, and correlates of alcohol are described. Some instruments are for use with general populations of students or adults while others are appropriate only for use with alcohol-addicted or alcohol-dependent respondents.
The 30 papers in the area of educational statistics that were presented at the 1972 meeting of the

DISADVANTAGED (UD)


This annotated bibliography has been prepared to deal with the issue of women as a group whose realistic and creative contributions have often been hindered by traditional employment patterns and social institutions. Much of the literature cited is research oriented.


This bibliography has been compiled in the hope that it will provide a list of references for educators asking the question: is there a relationship between self concept and academic achievement, and if so, what is the nature of this relationship?


To enable educational efforts to match the demands of contemporary society, it is suggested that five specific educational goals be focused upon: mastery of basic communicative skills; problem solving; management of knowledge; employment of leisure and continuing education; and self-management.


The views of four educators from Teachers College, Columbia University on Jencks' recent study which rejected the contention that there is any correlation between a person's education and income are expressed in this report.


Third of the new series on doctoral research, this bibliography attempts to provide a comprehensive collection of abstracts on early childhood education.


This report attempts to show that there are effective programs, schools, and administrators, and many teachers who serve disadvantaged students well, year-in year-out.
ERIC-IRCD Staff believing that much could be learned about doctoral research itself, about children and about educational programs, decided to attempt to provide comprehensive collections of abstracts in those areas of special interest to ERIC-IRCD; the present document is the first of the new series.

The second of the new series on doctoral research is an attempt to provide a comprehensive collection of abstracts in the area of school desegregation.

The purpose of this report was to try to identify some of the characteristics of those teachers most successful in providing a learning environment for their classes, and to describe some of the things which seem to be effective in motivating children to learn and enjoy both the process and the achievement of learning.

This second annual supplement to the first bibliography on human relations in the classroom covers the calendar year 1972 both for items announced in RIE and for journal articles cited. Citations deal with such issues as race relations, racial attitudes, self-concept, social influences, cultural differences, and psychological identification.

Focusing on efforts made fifty to one hundred years ago to meet the needs of New York City's immigrant school children, the author sees the current demands for community control as an extension of, rather than an exception to, those voiced by urban minorities in the past.

Briefly annotated, this bibliography lists nearly 300 books either written by American Indians or related to the authors by American Indians, and which are considered to represent the American Indian point of view. Items listed cover the different phases of culture from pre-Columbian society through the modern American Indian.

The first article, "Some Trends and Countertrends," is a retrospective analysis both of the trends that have supported expanded higher educational opportunities and of intervening issues that have interfered with the inherently expansionist trends; the second article, "Access to Higher Education," examines some of the social and political factors involved.
This quarterly publication contains abstracts of research and other materials which are useful to researchers, supervisors, teacher educators, education specialists, administrators, teachers, and others who have an interest in vocational and technical education.

VOCATIONAL AND TECHNICAL EDUCATION (UT)

73-383 ABSTRACTS OF RESEARCH MATERIALS IN VOCATIONAL AND TECHNICAL EDUCATION (ARM), v5 n4. 1972. 263pp. (Abstract Journal) ED 070 812 RIE April 1973 MF-$0.65 HC-$9.87; also available from The Center for Vocational and Technical Education, The Ohio State University, 1900 Kenny Road, Columbus, Ohio 43210 ($11.00--one year).

This quarterly publication contains abstracts of research and other materials which are useful to researchers, supervisors, teacher educators, education specialists, administrators, teachers, and others who have an interest in vocational and technical education.


Designed to aid educators in organizing and conducting evaluation programs for local vocational and technical education, this pamphlet contains guidelines to be used in the procedures.


Materials dealing with gainful employment of women, opportunities for employment and advancement, and maximizing opportunities as a means of personal satisfaction and as a contribution to society, were reviewed from international and national perspectives, and as current trends and issues.

Magisos, Joel H.; Butler, Roy L. COOPERATIVE EDUCATION: ANSWERS TO QUESTIONS ON VOCATIONAL AND TECHNICAL EDUCATION. 1973.7pp. (State-of-the-Art Review) ED 074 227 RIE July 1973 MF-$0.65 HC-$3.29
This pamphlet was designed to provide vocational educators, administrators, and other individuals interested in developing and/or implementing cooperative vocational programs with information on the subject.

73-387 McCracken, J. David; Harris, Robert B. MANAGEMENT SYSTEMS: ANSWERS TO QUESTIONS ON VOCATIONAL AND TECHNICAL EDUCATION. 1972. 7pp. (State-of-the-Art Review) ED 074 229 RIE July 1973 MF-$0.65 HC-$3.29

An explanation of management systems being utilized in vocational education, this pamphlet is designed for vocational educators, administrative personnel, project directors, and other individuals interested in this aspect of program development.

73-388 Miller, David H., Comp. GUIDE TO STATE INFORMATION RESOURCES. December 1972. 124pp. (Guide) ED 072 241 RIE May 1973 MF-$0.65 HC-$6.58

Included in this compilation are the results of a survey of state information resources, along with information profiles containing a listing by state of microfiche collection locations, computer software installations, and the names and addresses of the directors and services provided by selected state information dissemination agencies.

73-389 Miller, David H.; Beasley, Gary F. ERIC INSTRUCTIONAL PACKAGE FOR VOCATIONAL EDUCATORS. 1973. 82pp. (Guide) ED 073 229 RIE June 1973 MF-$0.65 HC-$3.29

Designed as an individual study guide as well as a teaching reference and guide, this study unit presents instruction on using educational information retrieval indexes, particularly the ERIC abstract journals.

73-390 Miller, David H.; Berry, Suzanne. DISADVANTAGED YOUTH: ANSWERS TO QUESTIONS ON VOCATIONAL AND TECHNICAL EDUCATION. 1972. 6pp. (State-of-the-Art Review) ED 074 228 RIE July 1973 MF-$0.65 HC-$3.29

This pamphlet addresses itself to the subject of the role of vocational education for disadvantaged youth.

73-391 Miller, Melvin D. REVIEW AND SYNTHESIS OF RESEARCH ON PREPARATION OF LEADERSHIP PERSONNEL FOR VOCATIONAL AND TECHNICAL EDUCATION. July 1972. 48pp. (Literature Review) ED 064 471 RIE October 1972 MF-$0.65 HC-$3.29

This review and synthesis paper identifies and examines the development of educational programs to insure that competent professional personnel will be available in the future, and analyzes the leadership role at national, state, and local levels with special emphasis on the lack of clear role definition at the local level.

73-392 Moore, Allen B. ABSTRACTS OF INSTRUCTIONAL MATERIALS FOR CAREER EDUCATION. 1972. 126pp. (Bibliography) ED 068 627 RIE February 1973 MF-$0.65 HC-$6.58

Materials described in this bibliography were selected from those acquired as the result of a national search for career education instructional materials. They include curriculum units, teacher guides, handbooks, and career related instructional materials.


The purpose of this paper is to aid curriculum specialists, state personnel, local supervisors, and teachers of industrial education in assessing the status of current instructional and curriculum materials developed for the study of manufacturing within an industrial arts curriculum.


This publication is designed to assist local supervisors of vocational and technical education in clarifying their role in improving instruction. Major ideas and guidelines are presented in a discussion of: (1) the supervision process, (2) duties and responsibilities of the supervisor and (3) suggestions for evaluating supervisory results.

Intended to help either the new or experienced teacher improve programs and identify useful instructional materials, this overview of current state licensing regulations and basic curriculum requirements in cosmetology and barbering includes a rationale, employment projections, descriptions of widely used curricular materials, and extensive teaching suggestions.

73-396 | Stromsdorfer, Ernst W. REVIEW AND SYNTHESIS OF COST-EFFECTIVENESS STUDIES OF VOCATIONAL AND TECHNICAL EDUCATION. 1972. 151pp. (Literature Review) ED 066 554 RIE December 1972 MF-$0.65 HC-$6.58

This study, written for non-economists, surveys the various approaches to improving the analysis of vocational education and related manpower training programs.
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This index was compiled by using the major descriptors and identifiers assigned by the ERIC Clearinghouse. (The numbers listed below the subject entries refer to the last three digits of numbered items in the text.)

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