

DOCUMENT RESUME

ED 032 432

VT 009 360

Four Years of Research, Development, and Training: A Bibliography. DCVER Projects Completed Between July 1, 1964 and June 30, 1968.

Office of Education (DHEW), Washington, D.C. Div. of Comprehensive and Vocational Education Research.

Pub Date 68

Note-100p.

EDRS Price MF-\$0.50 HC-\$5.10

Descriptors-\*Bibliographies, Curriculum Development, Demonstration Projects, \*Developmental Programs, Disadvantaged Groups, \*Educational Research, Evaluation, Financial Support, Health Occupations Education, Occupational Clusters, Post Secondary Education, \*Research Projects, \*Vocational Education

Citations of final reports of projects funded by the Division of Comprehensive and Vocational Education Research (DCVER) of the U.S. Office of Education are included in this bibliographic listing. Projects completed between July 1, 1964 and June 30, 1968 are grouped in a section titled, "Four Years of Research, Development and Training." Special areas in which projects are cited include: (1) the cluster concept, (2) community colleges and technical institutes, (3) curriculum development, (4) the disadvantaged, (5) evaluation, and (6) health occupations. (M)

ED032432

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

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

Four Years of Research,  
Development, and Training: A Bibliography

DCVER Projects Completed  
Between July 1, 1964  
and June 30, 1968

Department of Health, Education and Welfare  
Office of Education  
Bureau of Research  
Division of Comprehensive and Vocational Education Research (DCVER)  
Washington, D.C. 20202

VT009260

## TABLE OF CONTENTS

I.	Four Years of Research, Development and Training	Page	1
II.	DCVR Projects Related to The "Cluster Concept" In Vocational Education	Page	35
III.	DCVR Projects Related Wholly or Partially to Community Colleges and Technical Institutes	Page	39
IV.	DCVR Projects Related to Curriculum Development	Page	58
V.	DCVR Projects Related to the Disadvantaged	Page	71
VI.	DCVR Projects Related to Evaluation	Page	83
VII.	DCVR Projects Related to the Health Occupations	Page	92

SPECIAL ORDERING INSTRUCTIONS

Reproduced copies of final reports can be ordered either in "hard copy" or on microfiche. "HC" stands for hard copy, which is ready-to-read material reproduced page-by-page on special paper.

"MF" stands for microfiche, which is a reproduction of up to sixty original pages on a single sheet of 4 by 6 inch film. Microfiche readers, available from many manufacturers, are required to enlarge the microfiche images for reading purposes.

Reproduced copies of final reports cost 4 cents per page for hard copy or 25 cents per microfiche containing about 60 pages.

In ordering documents, the following information must be furnished:

The ED numbers of the desired documents (titles need not be furnished).

The type of reproduction desired--hard copy or microfiche.

The number of copies being ordered.

Payment must accompany orders totaling less than \$5. Add a special handling charge of 50 cents to any order which totals less than \$3. The ERIC Document Reproduction Service is registered to collect sales taxes and orders from States which have sales tax laws must include payment of the appropriate tax or include tax exemption certificates.

Foreign Orders: A 25-percent service charge, calculated to the nearest cent, must accompany orders from outside the United States, its territories, and possessions. This service charge is applicable to orders for microfiche (MF) and hard copy (HC).

All orders must be mailed to the following address:

ERIC Document Reproduction Service  
The National Cash Register Company  
4936 Fairmont Avenue  
Bethesda, Maryland 20014

<u>Project Title</u>	<u>Project Director and Institution</u>	<u>Project Number, ED Number, and Price</u>
Determining Kinds of Gainful Employment in which Former Homemaking Students from Arkansas Secondary Schools Engage and What Knowledge and Skill Homemaking Curriculum Will Contribute to These Gainful Occupations	Roy W. Roberts Dept. of Vocational Teacher Education University of Arkansas Fayetteville, Arkansas	5-0002 ED 010 013 MF: 50¢ HC: \$3.32
Research, Development, and Demonstration in Adult Training and Retraining	Jacob J. Kaufman Institute for Research on Human Resources Pennsylvania State University University Park, Pa.	5-0007 ED 010 495 MF: \$1.00 HC: \$10.24
A Film on the Vocational Education Act of 1963	Russell L. Furse Brooks Foundation Santa Barbara, Calif.	5-0008 ED 011 087 MF: 25¢ HC: \$1.44
The Influence of Speed and Prior Knowledge and Experience on Adult Learning	Douglas D. Sjogren Alan B. Knox University of Nebraska Lincoln, Nebraska	5-0011 ED 003 490 MF: 75¢ HC: \$7.16
The Influence of Industrial Arts Experience on Grades Earned in Post-High School Trade and Technical Curriculum	Jerome Moss, Jr. Minnesota Research Coordinating Unit in Occupational Education University of Minnesota Minneapolis, Minnesota	5-0012 ED 012 324 MF: 25¢ HC: \$1.52
Evaluation of the Effectiveness of Using Specialized Instruction in Providing Occupational Training for Industrial Jobs for High School Vocational Agriculture Students	Glenn Teeter Magnet Cove Public Schools Malvern, Arkansas	5-0013 ED 003 101 MF: 50¢ HC: \$2.60
Computer Assisted Instruction: Summer Training Program	Fr. G. C. McGregor State Dept. of Education Providence, Rhode Island	5-0014 ED 012 385 MF: 25¢ HC: \$2.20
Workshop for the Preparation of Home Economics Teachers to Teach Wage Earning Programs in Food Service	Anna Carol Fults Southern Illinois Univ. Carbondale, Illinois	5-0015 ED 003 493 MF: \$1.25 HC: \$11.48

A Vocational Technical Teacher  
Technology Center: The Development  
of a Model

The Fluid Power Institutes - A Pilot  
Program for Introducing Emerging  
Technologies

Employment Opportunities and Usable  
Agricultural Skills in Non-Farm  
Agricultural Occupations in Appalachia

New Conceptions of Vocational and  
Technical Education

An Exploratory Study of Functional  
Illiterates in Macon County Alabama

Training Institute to Upgrade Teachers  
of Vocational Agriculture in Distri-  
butive Education and Supervised Train-  
ing in Off-Farm Agricultural Occu-  
pations

Approaches to Use in Assessing Needs  
for, Content of, and Certain Factors  
to be Considered in Preparing for  
Gainful Employment

An Eight-Week Summer Institute  
Training Program to Retrain Office  
Education Teachers for Teaching  
Business Electronic Data Processing

And Eight-Week Summer Institute  
Training Program to Retrain Office  
Education Teachers for Teaching  
Business Electronic Data Processing

An Eight-Week Summer Institute  
Training Program to Retrain Office  
Education Teachers for Teaching  
Business Electronic Data Processing

Milton E. Larson 5-0018  
Rutgers, The State ED 003 522  
University MF: 50¢  
New Brunswick, N. Jersey HC: \$2.72

Frederick W. Lamb 5-0019  
Fluid Power Society ED 012 396  
Thiensville, Wisconsin MF: \$1.25  
HC: \$12.68

Roy D. Dillion 5-0020  
Morehead State University ED 010 496  
Morehead, Kentucky MF: 75¢  
HC: \$7.48

Jerry M. Rosenberg 5-0021  
Teachers College Press ED 016 086  
Teachers College MF: 50¢  
Columbia University  
New York

Theodore J. Pinnock 5-0023  
Tuskegee Institute ED 010 123  
Tuskegee, Alabama MF: 75¢  
HC: \$7.84

Marsena M. Norris 5-0025  
William L. Hull ED 016 846  
Oklahoma State Univ. MF: 75¢  
Stillwater, Oklahoma HC: \$5.40

June Cozine 5-0026  
Oklahoma State Univ. ED 010 019  
Stillwater, Oklahoma MF: 25¢  
HC: \$2.16

Forest C. Carter 5-0028  
Colorado State Univ. ED 003 110  
Fort Collins, Colorado MF: 25¢  
HC: \$2.00

Theodore A. Koschler 5-0029  
Miami Dade Junior ED 003 096  
College MF: \$1.00  
Miami, Florida HC: \$8.96

Ivan E. Valentine 5-0030  
Dept. of Community ED 003 100  
Colleges MF: 25¢  
North Carolina Board HC: \$1.56  
of Education  
Raleigh, North Carolina

Improvement of Curricula for Teaching Non-Farm Agricultural Occupations	Robert E. Taylor Ohio State University Columbus, Ohio	5-0031 ED 010 497 MF: 50¢ HC: \$2.12
Preparation for Progress to the Future (Preparacion-Progreso-Porvenir)	Clayton L. Stouffer Bay Area Educational Television Assoc. (KCED) San Francisco, California	5-0032 ED 016 063 MF: 75¢ HC: \$7.12
Vocational Training for Library Technicians	John Martinson Institute for Advancement in Medical Communi- cation - Philadelphia, Pa.	5-0033 ED 003 094 MF: 25¢ HC: 64¢
Flexibility for Vocational Education through Computer Scheduling	Dwight W. Allen, Jr. Leland Stanford Univ. Stanford, California	5-0034 ED 010 293 MF: 25¢ HC: \$1.52
Planning Conference for Vocational Education Summer Study	N. H. Frank Massachusetts Institute of Technology Cambridge, Massachusetts	5-0036 ED 003 097 MF: 25¢ HC: \$1.12
Development and Utilization of a National Vocational-Technical School Achievement Testing Program Using the Printing Trades as a Pilot Area	Dennis McFadden Ohio Trade and Industrial Education Service Division of Vocational Education Columbus, Ohio	5-0037 ED 016 850 MF: 75¢ HC: \$5.36
An Eight-Week Summer Institute Training Program to Retrain Office Education Teachers for Teaching Electronic Data Processing	William E. Breese Milwaukee Institute of Technology Milwaukee, Wisconsin	5-0040 ED 010 499 MF: 25¢ HC: 96¢
An Eight-Week Summer Institute Training Program to Retrain Office Education Teachers for Teaching Electronic Data Processing	Norman E. Watson Orange Coast College Costa Mesa, California	5-0041 ED 003 091 MF: 25¢ HC: \$2.20
Technical Training for Industrial Radiographers	H. D. Bearden Engineering Extension Service Texas A&M University College Station, Texas	5-0042 ED 015 271 MF: \$1.50 HC: \$16.16 ED 016 078 MF: 25¢ HC: 36¢

- Feasibility of Providing Trade  
Competency Examinations for Teachers  
on a National Basis
- Jerald A. Griess  
Rutgers, The State  
University  
New Brunswick, N. Jersey
- 5-0043(a)  
ED 012 794  
MF: 50¢  
HC: \$3.40
- Evaluation of Secondary School Programs  
to Prepare Students for Wage Earning  
in Occupations Related to Home  
Economics (Vol. I & II)
- Helen Y. Nelson  
Gertrude P. Jacoby  
Cornell University  
Ithaca, New York
- 5-0043(b)  
ED 019 492  
MF: 75¢  
HC: \$6.84
- Research and Development in Vocational  
and Technical Education: Non-Metro-  
politan Areas (Two-Part Report)
- John P. Mahlstedt, RLJ  
Iowa State University  
of Science and  
Technology  
Ames, Iowa
- 5-0045  
ED 011 068  
MF: 50¢  
HC: \$2.76
- Educational and Occupational Aspira-  
tions and Expectations of High School  
Juniors and Seniors in the State of  
Washington (Part I of a 13-Part Report)
- Walter L. Slocum  
Roy T. Bowles, RDU  
Washington State Univ.  
Pullman, Washington
- 5-0046  
ED 010 652  
MF: 75¢  
HC: \$7.64
- Techniques for Selecting and Presenting  
Occupational Information to High School  
Students
- Leslie J. Briggs  
Eleanor L. Norris  
American Institutes for  
Research  
Palo Alto, California
- 5-0047  
ED 010 523  
MF: 25¢  
HC: 92¢
- A Developmental Vocational Education  
Research and Teacher Education Program  
Based on a Clinical School Concept
- Peter G. Haines, RDU  
Michigan State University  
East Lansing, Michigan
- 5-0048  
ED 019 493  
MF: 25¢  
HC: \$1.20
- Employment Status and Characteristics  
of High School Dropouts of High  
Ability
- Joseph L. French  
Pennsylvania State Univ.  
University Park, Pa.
- 5-0051  
ED 010 648  
MF: \$1.00  
HC: \$8.04
- Planned and Unplanned Aspects of  
Occupational Choices by Youth: Toward  
a Psychology of Occupational Choice
- Robert Ellis  
Leona Tyler  
University of Oregon  
Eugene, Oregon
- 5-0052
- Training Program for Teachers and  
Leaders of Gainful Employment Training  
Programs in Home Economics
- June Cozine  
Oklahoma State Univ.  
Stillwater, Oklahoma
- 5-0053  
ED 003 105  
MF: 75¢  
HC: \$6.64
- A Training Program for Vocational  
Counselors
- Donald L. Frick  
Colorado State University  
Fort Collins, Colorado
- 5-0054



- |   |   |   |
|---|---|---|
| A Short Course for Secondary School Counselors on Vocational and Technical Training and Employment Opportunities    | Eusey E. Charlton<br>Atlanta University<br>Atlanta, Georgia                                   | 5-0055<br>ED 003 106<br>MF: 25¢ HC: \$1.24        |
| Identification of Concepts Important for Youth Orientation to the World of Work                                     | Mary A. Warren<br>University of Oklahoma<br>Norman, Oklahoma                                  | 5-0056<br>ED 003 103<br>MF: 50¢ HC: \$4.64        |
| Pre-Vocational Institute for Teachers of Rural, Disadvantaged Youth   | Paul M. Hodgson<br>Department of Public Instruction<br>Dover, Delaware                        | 5-0057<br>ED 003 095<br>MF: \$1.00<br>HC: \$10.20 |
| An Industrial Arts Curriculum Project for the Junior High School  | Edward R. Towers<br>Ohio State University<br>Columbus, Ohio                                   | 5-0059<br>ED 013 949<br>MF: 25¢ HC: \$1.68        |
| A Pilot Study in Advanced Instrumentation for Technical Instructors (Summer Institute)                              | Milton E. Larson<br>Rutgers, The State Univ.<br>New Brunswick, N. Jersey                      | 5-0062<br>ED 003 092<br>MF: 25¢ HC: \$2.00        |
| Revised Instructional Program for "Slow-Learners" to Improve Their Job Placement Opportunities: A Three Phase Study | Jack Sutton<br>Medford School District<br>No. 549C<br>Medford, Oregon                         | 5-0063<br>ED 016 075<br>MF: 25¢<br>HC: \$2.00     |
| Floundering and Trial After High School   | Donald E. Super<br>Teachers College<br>Columbia University<br>New York                        | 5-0065  |
| Occupational Data Requirements for Education Planning   | Gerald G. Somers<br>University of Wisconsin<br>Madison, Wisconsin                             | 5-0066<br>ED 003 491<br>MF: 75¢<br>HC: \$7.20     |
| A Review and Appraisal of Adult Literacy Materials and Programs   | Robert F. Barnes<br>Ohio State University<br>Columbus, Ohio                                   | 5-0067<br>ED 003 519<br>MF: \$1.00<br>HC: \$8.72  |
| Project NOTIFY - Needed Occupational Television Instruction for Youth   | William H. Lawson<br>John Bancroft<br>San Bernardino Valley College<br>San Bernardino, Calif. | 5-0068<br>ED 010 641<br>MF: 50¢<br>HC: \$2.68     |
| Vocational Problem-Solving Experiences for Stimulating Career Exploration and Interest                              | John D. Krumboltz<br>Stanford University<br>Stanford, California                              | 5-0070<br>ED 015 517<br>MF: \$2.25<br>HC: \$24.16 |

- A Study of Expectations, Goals and Behavior of Teachers and Students Participating in Higher Adult Education  
Henry L. Lennard  
The New School of Social Research  
New York, New York  
5-0072  
ED 003 090  
MF: \$1.25  
HC: \$11.80
- Upgrading of High School Drafting Teachers: An Eight-Week Summer Training Program to Upgrade Subject Matter Competencies of High School Drafting Teachers in Advanced Graphics, Statics, and Applied Mathematics  
Jerry S. Dobrovolny  
University of Illinois  
Urbana, Illinois  
5-0073  
ED 021 781  
MF: 25¢  
HC: \$1.16
- Research on Library Services in Metropolitan Areas  
Ralph Blasingame  
Rutgers, The State University  
New Brunswick, N. Jersey  
5-0076  
ED 010 065  
MF: 25¢  
HC: \$1.24
- A Study of the Critical Requirements for Directing Educational Television Stations  
Gale R. Adkins  
University of Kansas  
Lawrence, Kansas  
5-0077
- A Study of the Concentration of Educational Media Resources to Assist in Certain Education Programs of National Concern: Part II - Educational Media and Vocational Education; Part I - Education of the Culturally Disadvantaged  
James D. Finn  
Educational Media Council Inc.  
Washington, D. C.  
5-0080  
ED 014 906  
MF: \$1.00  
HC: \$8.60  
ED 016 080  
MF: 75¢ HC: \$7.98
- Standardization of a Spanish Language Adult Intelligence Scale  
Russell F. Green  
The University of Puerto Rico  
Rio Piedras, Puerto Rico  
5-0081  
ED 013 045  
MF: \$1.00  
HC: \$10.36
- Educational Restrictions to Agricultural Success - Farmer Income and Education  
Edgar A. Persons  
University of Minnesota  
Minneapolis, Minnesota  
5-0082  
ED 010 038  
MF: 75¢  
HC: \$6.12
- er of Adult Information Seeking  
Edwin B. Parker  
Stanford University  
Stanford, California  
5-0083  
ED 010 294  
MF: \$1.25  
HC: \$11.00
- Opportunities and Requirements for Initial Employment of School Leavers with Emphasis on Office and Retail Jobs  
Fred S. Cook  
Wayne State University  
Detroit, Michigan  
5-0084  
ED 010 056  
MF: \$1.00  
HC: \$8.88
- A Curriculum Demonstration for Dropout-Prone Students (Two-Part Report)  
Charles V. Matthews  
Southern Illinois Univ.  
Edwardsville, Illinois  
5-0086  
ED 010 331  
MF: 75¢  
HC: \$6.32

The Preparation of Youth for Effective Occupational Utilization

Jacob J. Kaufman  
The Pennsylvania State University  
University Park, Pa.

5-0087  
ED 011 060  
MF: \$1.75  
HC: \$17.92

A Longitudinal Study of Career Development

Warren D. Gribbons  
Regis College  
Weston, Massachusetts

5-0088  
ED 010 282  
MF: \$1.25  
HC: \$12.08

Summer Study on Occupational, Vocational and Technical Education

N. H. Frank  
Massachusetts Institute of Technology  
Cambridge, Mass.

5-0089  
ED 003 109  
MF: 50¢  
HC: \$5.08

The Classification of Educational Objectives, Psychomotor Domain

Elizabeth J. Simpson  
University of Illinois  
Urbana, Illinois

5-0090  
ED 010 368  
MF: 25¢  
HC: \$1.80

Conference on Home Economics Program Development for Disadvantaged Youth and Their Families

Grace M. Henderson  
Pennsylvania State Univ.  
University Park, Pa.

5-0091  
ED 010 069  
MF: 75¢  
HC: \$5.72

An Experimental Vocational Education Institute for the Preparation of Teacher Coordinators of Newly Emerging High School Vocational Programs

Russell J. Hesler  
Harland E. Sampson  
The University of Wisconsin  
Madison, Wisconsin

5-0092  
ED 010 500  
MF: 75¢  
HC: \$5.76

Program for Technical Communications Training Institute for Teachers

Herman M. Weisman  
Colorado State University  
Fort Collins, Colorado

5-0093  
ED 003 093  
MF: 50¢  
HC: \$3.24

Missouri Adult Vocational-Literacy Materials Development Project

Howard W. Heding  
Wilbur S. Ames  
University of Missouri  
Columbia, Missouri

5-0094  
ED 014 650  
MF: \$1.25  
HC: \$13.16

An Exploratory Analysis of the Roles and Role Conflicts of Vocational Teachers in Oklahoma

Solomon Sutker  
Oklahoma State University  
Stillwater, Oklahoma

5-0095  
ED 017 686  
MF: \$1.00  
HC: \$10.20

The Effects of Student Reactions to Teaching Methods

Robert B. Hayes  
Department of Public Instruction  
Harrisburg, Pa.

5-0096  
ED 010 369  
MF: 75¢  
HC: \$5.24

Minnesota Coordinating Unit for  
Research and Development in  
Occupational Education

Jerome Moss, Jr.  
Howard F. Nelson  
University of Minnesota  
Minneapolis, Minnesota

5-0097  
ED 011 062  
MF: 25¢  
HC: 92¢

Establishing a Center for Research in  
Vocational and Technical Education

Edwin H. Nagel  
University of North  
Dakota  
Grand Forks, N. Dakota

5-0098  
ED 012 333  
MF: 25¢  
HC: 88¢

The Establishment of the Mississippi  
Research Coordinating Unit for Vocational  
and Technical Education

James E. Wall  
Mississippi State Univ.  
State College, Miss.

5-0099  
ED 016 050  
MF: 25¢ HC: 80¢

Establishment of a State Coordinating  
Unit for Occupational Research and  
Development

Everett D. Edington  
California State Department  
of Education  
Sacramento, California

5-0100  
ED 016 848  
MF: 25¢  
HC: \$1.00

Pilot Program for the Expansion of a  
State Research Coordinating Unit

James E. Allen, Jr.  
The University of the  
State of New York  
Albany, New York

5-0101  
ED 012 346  
MF: 25¢  
HC: \$1.72

The Establishment of a State Occupational  
Research and Development  
Coordinating Unit

Kenneth M. Loudermilk  
University of Idaho  
Moscow, Idaho

5-0102  
ED 010 854  
MF: 25¢  
HC: 92¢

The Establishment of the State Research  
Coordinating Unit for the State of New  
Mexico

D. G. Hunt  
Research Coordinating  
Unit  
Division of Vocational  
Education  
Santa Fe, New Mexico

5-0103  
ED 012 347  
MF: 25¢  
HC: 92¢

Great Education Research and  
Coordinating Unit for  
State of Oregon

T. A. Ryan  
Oregon State University  
Corvallis, Oregon

5-0104  
ED 012 391  
MF: 50¢  
HC: \$2.72

Research and Coordinating Unit in the  
Area of Occupational Needs in Nebraska

James T. Horner  
University of Nebraska  
Lincoln, Nebraska

5-0105  
ED 010 617  
MF: 25¢  
HC: 40¢

A Plan to Provide an Occupational  
Research Center at Colorado State  
University

Douglas Sjogren  
David Sheppard  
Colorado State Univ.  
Fort Collins, Colorado

5-0107  
ED 010 612  
MF: 25¢  
HC: 76¢

- |  |   |   |
|--|---|---|
| Research Coordinating Unit for Vocational Education in Washington State Department of Public Instruction   | George P. Pilant<br>Washington State Dept.<br>of Public Instruction<br>Olympia, Washington    | 5-0103<br>ED 018 658<br>MF: 25¢<br>HC: \$1.16 |
| Proposal for Establishment Prototype Occupational Research Development Coordinating Unit   | James F. Watkins<br>State Department of<br>Public Instruction<br>Helena, Montana              | 5-0109<br>ED 012 330<br>MF: 25¢<br>HC: 84¢    |
| The Establishment and Initial Operation of a Research and Development Unit in the Division of Vocational Education, New Jersey Department of Education | Robert M. Worthington<br>State Department of<br>Education<br>Trenton, New Jersey              | 5-0110<br>ED 010 616<br>MF: 25¢<br>HC: 96¢    |
| Establishment of an Occupational Research and Development Coordinating Unit  | Kenneth M. Wold<br>Donald G. Greet<br>Department of Public<br>Instruction<br>Des Moines, Iowa | 5-0111<br>ED 010 613<br>MF: 50¢<br>HC: \$3.28 |
| Counselor Institute and Follow-up Workshop   | Howard E. Mitchel<br>University of<br>Pennsylvania<br>Philadelphia, Pa.                       | 5-0112<br>ED 010 281<br>MF: 50¢<br>HC: \$4.92 |
| Interest and Intellectual Indices Related to Successful Male College Students in Technical and Associate Degree Programs                               | Ronald G. Taylor<br>Ferris State College<br>Big Rapids, Michigan                              | 5-0116<br>ED 021 127<br>MF: 75¢<br>HC: \$6.60 |
| Increasing Task Oriented Behavior: An Experimental Evaluation of Training Teachers in Reinforcement Techniques   | John D. Krumboltz<br>Stanford University<br>Palo Alto, California                             | 5-0117<br>ED 010 017<br>MF: 50¢<br>HC: \$4.48 |
| Differential Identification of Successful Technical Students in Junior Colleges  | Charles J. Turner<br>Central Florida Junior<br>College<br>Ocala, Florida                      | 5-0119<br>ED 010 501<br>MF: 25¢<br>HC: \$1.84 |
| A Study of the Influences of the Father's Job and Social Status on the Occupational and Social Goals of Youth  | Robert E. Grinder<br>University of Wisconsin<br>Madison, Wisconsin                            | 5-0121<br>ED 016 849<br>MF: 75¢<br>HC: \$5.92 |
| Career Simulation for Sixth Grade Pupils (Two-Part Report)   | R. Garry Shirts<br>Department of Education<br>San Diego, California                           | 5-0123<br>ED 010 076<br>MF: 25¢<br>HC: \$1.64 |

- |  |  |   |
|--|--|---|
| A Developmental Program for Vocational Counselors to Serve Disadvantaged Youth                             | Thomas J. Sweeny<br>University of South Carolina<br>Columbia, South Carolina     | 5-0124<br>ED 010 074<br>MF: 50¢<br>HC: \$2.72 |
| The Prediction of Outcome of MDTA Programs   | Harold A. Edgerton<br>Performance Research, Incorporated<br>Washington, D. C.    | 5-0127<br>ED 010 011<br>MF: 25¢<br>HC: \$1.52 |
| National Conference of Labor Representatives   | Russell Allen<br>Michigan State Univ.<br>East Lansing, Michigan                  | 5-0130<br>ED 003 518<br>MF: 50¢<br>HC: \$2.52 |
| Demonstration Center at Reidland High School for Training Farm Youths in Non-Farm Agricultural Occupations | Harold Binkley<br>University of Kentucky<br>Lexington, Kentucky                  | 5-0131<br>ED 020 440<br>MF: 25¢<br>HC: \$2.20 |
| The Establishment of the Research Coordinating Unit in the Connecticut State Department of Education       | James F. Murphy<br>State Department of Education<br>Hartford, Connecticut        | 5-0132<br>ED 010 614<br>MF: 25¢<br>HC: \$1.52 |
| A Proposal for the Establishment of a State Vocational Education Research Coordinating Unit in Michigan    | Charles L. Langdon<br>State Department of Education<br>Lansing, Michigan         | 5-0134<br>ED 018 659<br>MF: 25¢<br>HC: \$1.60 |
| A Coordinating Unit for Research and Curriculum Development in Vocational and Technical Education          | John F. Stephens<br>State Board for Vocational Education<br>Salt Lake City, Utah | 5-0135<br>ED 010 611<br>MF: 25¢<br>HC: 56¢    |
| Establishment of a State Occupational Research and Development Coordinating Unit                           | Arthur M. Lee<br>Northern Arizona Univ.<br>Flagstaff, Arizona                    | 5-0136<br>ED 010 637<br>MF: 25¢<br>HC: \$1.04 |
| Establishment of a State Vocational Studies and Experimental Programs Coordinating Unit                    | G. W. Neubauer<br>State Department of Education<br>Tallahassee, Florida          | 5-0138<br>ED 010 596<br>MF: 25¢<br>HC: 84¢    |
| Oklahoma Vocational Research Coordinating Unit   | William Stevenson<br>Oklahoma State Univ.<br>Stillwater, Oklahoma                | 5-0139<br>ED 012 343<br>MF: 25¢<br>HC: 80¢    |

- Exploratory Study of Information-Processing Procedures and Computer-Based Technology in Vocational Counseling**  
J. F. Cogswell  
Systems Development Corporation  
Santa Monica, Calif.  
5-0141  
ED 017 710  
MF: \$1.00  
HC: \$10.20
- Characteristics of Non-College Vocationally-Oriented School Leavers and Graduates**  
George G. Mallinson  
School of Graduate Studies  
Western Michigan Univ.  
Kalamazoo, Michigan  
5-0142
- New Horizons in Developing Vocational Educational Programs in Small High Schools**  
John A. Green  
University of Idaho  
Moscow, Idaho  
5-0143  
ED 003 494  
MF: 50¢  
HC: \$3.48
- Development of Program to Prepare Delinquents, Disadvantaged Youths, and Slow Learners for Vocational Education**  
C. Ray Jeffery  
The Washington School of Psychiatry, Inc.  
Washington, D. C.  
5-0145  
ED 019 498  
MF: 75¢  
HC: \$7.84
- Factors Associated with the College Attendance of Youth**  
John Harp  
Mildred Morton  
Cornell University  
Ithaca, New York  
5-0146  
ED 011 970  
MF: 50¢  
HC: \$3.00
- A Study of Potential Utilization of Retiring Military Personnel in Vocational and Technical Education Programs**  
Malcolm Richland  
Perry E. Rosove  
System Development Corporation  
Santa Monica, Calif.  
5-0147  
ED 010 593  
MF: 75¢  
HC: \$5.84
- The Identification of Common Behavioral Factors as Bases for Pre-Entry Preparation of Workers for Gainful Employment**  
Wayne Schroeder  
Robert Shal  
Colorado State University  
Fort Collins, Colorado  
5-0149  
ED 019 471  
MF: 75¢  
HC: \$5.92
- A State Program for the Development of Persons for Leadership Roles in the Administration of Local Programs of Vocational and Technical Education**  
Ralph C. Wenrich  
University of Michigan  
Ann Arbor, Michigan  
5-0150  
ED 010 124  
MF: 50¢  
HC: \$2.48
- Changing Teacher Morale: An Experiment in Feedback of Identified Problems to Teachers and Principals**  
Ralph R. Bentley  
Averno M. Rempel  
Purdue University  
Lafayette, Indiana  
5-0151  
ED 021 779  
MF: 50¢  
HC: \$3.44
- Preparing Teachers and Instructional Materials for the Food Service Occupations (Summer Institute)**  
Helen L. Hollandsworth  
Michigan State Univ.  
East Lansing, Michigan  
5-0153  
ED 010 370  
MF: 50¢  
HC: \$3.88

A Process for Determining Vocational Competencies in the Performance of Nine Essential Activities for Sales Personnel

Motives Influencing Needs to Achieve in Vocational Education

Electro-Mechanical Technology: A Field Study of Electro-Mechanical Technician Occupations

Symposium in Occupational Education, Manpower and Economic Change in the U. S.

A Pilot Project in Curriculum Development for "Work Experience" and "Occupations" Courses for Educable Mentally Retarded Students

The Further Development of Research Competencies of Personnel in Vocational Education Research and Development

Curriculum Development Program for Preschool Teacher Aides

Experience with the Life and Work of the Disadvantaged for the Preservice Education of Home Economics Teachers

The Development of Training Lessons for Pre-Service and Initial In-Service Vocational Teacher Education Recorded and Presented Through Video Tape and Television with Seminar Discussions

James J. Albracht  
Michigan State Univ.  
East Lansing, Michigan  
5-0156  
ED 010 070  
MF: 75¢  
EC: \$5.96

Frances B. Feltzel  
Cornell University  
Ithaca, New York  
5-0157  
ED 010 295  
MF: 25¢  
EC: \$1.88

Maurice W. Roney  
The Oklahoma State Univ.  
Stillwater, Oklahoma  
5-0158  
ED 012 372  
MF: 50¢  
EC: \$3.96

Maynard Bemis  
Phi Delta Kappa, Inc.  
Bloomington, Indiana  
5-0159  
ED 010 127  
MF: 25¢  
EC: \$1.40

Marvin C. Groelle  
Oakland Unified School  
District  
Oakland, California  
5-0163

Charles W. Hill  
Cornell University  
Ithaca, New York  
5-0164  
ED 010 503  
MF: 50¢  
EC: \$4.20

Naomi LeB. Naylor  
Marquerite L. Bittner  
Center for the Study of  
Crime, Delinquency and  
Correction  
Southern Illinois Univ.,  
Edwardsville, Illinois  
5-0165  
ED 013 122  
MF: 50¢  
EC: \$4.92

Majorie East  
Julia M. Boleratz  
Pennsylvania State Univ.  
University Park, Pa.  
5-0167  
ED 019 506  
MF: 50¢  
EC: \$4.80

S. K. Wick  
W. A. Kavanaugh  
Vocational Division  
State Department of  
Education  
Saint Paul, Minnesota  
5-0168



- |   |   |   |
|---|---|---|
| The Documentation of Steps to Establish a Technical College and the Evaluation of PERT as a Planning Tool for Educators - Phase I             | Robert L. McKee<br>Northern Virginia<br>Technical College<br>Baileys Crossroads, Va.              | 5-0170<br>ED 010 020<br>MF: 50¢<br>HC: \$3.20 |
| The Development of a Master Teacher Training Curriculum for Teachers of Occupational Level Training Programs                                  | John L. O'Brian<br>Rutgers, The State<br>University<br>New Brunswick, N. Jersey                   | 5-0171<br>ED 010 151<br>MF: 75¢<br>HC: \$6.44 |
| Vocational Education - A Study of Benefits and Cost   | A. J. Corazzini<br>Princeton University<br>Princeton, New Jersey                                  | 5-0172<br>ED 010 296<br>MF: 75¢<br>HC: \$5.32 |
| Development and Evaluation of Educational Programs in Bio-Medical Equipment Technology, Phase I   | Technical Education<br>Research Center, Inc.<br>142 Mt. Auburn Street<br>Cambridge, Massachusetts | 5-0175<br>ED 016 845<br>MF: 75¢<br>HC: \$6.48 |
| Groundsman - Gardner for Special Class Students (Educable Mentally Retarded Youth)  | G. Roy Nicholaysen<br>Oakland Unified School<br>District<br>Oakland, California                   | 5-0178<br>ED 010 280<br>MF: 25¢<br>HC: \$1.32 |
| Summer Institute of Industrial Instrumentation Technology   | Austin E. Fribance<br>Rochester Institute of<br>Technology<br>Rochester, New York                 | 5-0179<br>ED 003 495<br>MF: 25¢<br>HC: 48¢    |
| Workshop for Administrators of Vocational Home Economics Training Program in Wage-Earning Occupations   | Ann Bunton<br>Texas Technical College<br>Lubbock, Texas   | 5-0180<br>ED 003 098<br>MF: 25¢<br>HC: \$1.56 |
| An Investigation and Development of the Cluster Concept as a Program in Vocational Education at the Secondary School Level (Four-Part Report) | Donald Maley<br>University of Maryland<br>College Park, Maryland                                  | 5-0183<br>ED 010 301<br>MF: 75¢<br>HC: \$5.40 |
| New Directions in Vocational Guidance   | Phyllis C. Wilson<br>City University of New<br>York<br>New York, New York                         | 5-0184<br>ED 003 099<br>MF: 50¢<br>HC: \$4.68 |
| Vocational Education and Inter-governmental Fiscal Relations in the Postwar Period  | Bruce F. Davie<br>Philip D. Paterson, Jr.<br>Georgetown University<br>Washington, D. C.           | 5-0185<br>ED 010 642<br>MF: 50¢<br>HC: \$5.00 |

Scientific Secretary Training Program  
Development

The Application of the Judgmental  
Procedure to Vocational and Practical  
Arts Education

The Validation of Education Systems  
Packages for Training of Depressed  
Area Students

National Seminars for Research in  
Vocational Education - 1965

Supply and Demand Factors Affecting  
Vocational Education Planning

Center for Research and Leadership  
Development in Vocational and Technical  
Education

A Sequential Curriculum in Language,  
Reading, and Composition (Oral and  
Written) Grades Seven through Twelve

of Dropout Statistics of the  
Dropout Research and Action

Program to Extend Curriculum Materials  
in English for the Able to a Wider  
Student Group

The Conservation of Energy Concept in  
Ninth Grade General Science

John Swenson  
University of Colorado  
Boulder, Colorado

5-0188  
ED 020 439  
MF: \$1.25  
HC: \$12.36

Rutherford E. Lockette  
Trenton State College  
Trenton, New Jersey

5-0190

Don Bushnell  
The Brooks Foundation  
Santa, Barbara, Calif.

5-0192  
ED 010 014  
MF: 25¢  
HC: \$1.64

William J. Schill  
University of Illinois  
Urbana, Illinois

5-0199  
ED 003 489  
MF: 50¢  
HC: \$2.84

Edward A. Podesta  
Stanford Research  
Institute  
Menlo Park, California

5-0208  
ED 010 305  
MF: 75¢  
HC: \$6.12

Robert E. Taylor  
Center for Research and  
Leadership Development  
in Vocational & Tech-  
nical Education  
Ohio State University  
Columbus, Ohio

5-0212  
ED 014 549  
MF: 75¢  
HC: \$6.96

Albert R. Kitzhaber  
University of Oregon  
Eugene, Oregon

5-0366  
ED 015 895  
MF: 75¢ HC: \$5.64

Earl R. Burrows  
Colorado State Department  
of Education  
Denver, Colorado

5-0430  
ED 003 102  
MF: 75¢  
HC: \$5.32

Robert C. Slack  
Carnegie-Mellon Univ.  
Pittsburgh, Pa.

5-0516  
ED 016 664  
MF: 25¢  
HC: 72¢

William Shockley  
Paul D. Hurd  
Stanford University  
Stanford, California

5-0557

Project PREP - A Program for Recovering  
and Extending Academic Potential for  
High School Underachievers Seeking  
Entrance at a Regional Community College

John J. Shea  
Greenfield Community  
College  
Greenfield, Mass.

5-0569  
ED 010 120  
MF: 25¢  
HC: \$2.04

High School Self-Evaluations and  
Curriculum Change

Vynce A. Hines  
William M. Alexander  
University of Florida  
Gainesville, Florida

5-0576  
ED 017 971  
MF: 50¢  
HC: \$5.12

A Follow-Up Normative Study of Negro  
Intelligence and Achievement

Wallace A. Kennedy  
Florida State University  
Tallahassee, Florida

5-0621  
ED 003 492  
MF: 75¢  
HC: \$7.48

Development of Economics Curricular  
Materials for Secondary Schools

Meno Lovenstein  
Edward J. Furst  
Robert E. Jewett  
Elizabeth S. Maccia  
Ohio State University  
Columbus, Ohio

5-0672  
ED 014 430  
MF: \$3.50  
HC: \$36.68

An Assessment of Three Foreign Lang-  
uage Teaching Strategies Utilizing  
Three Language Laboratory Systems

Philip D. Smith, Jr.  
West Chester State College  
West Chester, Pa.

5-0683  
ED 021 512  
MF: \$1.00  
HC: \$9.24

Effects of Age, Social Status, Sex,  
and Race Upon the Understanding of  
Word Meanings Independent of Sentence  
Context

Walter H. Crockett  
Clark University  
Worcester, Mass.

5-0697  
ED 010 381  
MF: 25¢  
HC: \$1.48

A Project for the Planning of One-week  
Workshops in Evaluation Research for  
State and City Department of Education  
Personnel

Charles N. Seashore  
National Training Labs  
Washington, D. C.

5-0699  
ED 010 230  
MF: 25¢  
HC: \$1.12

High School Dropouts: Fate- Future-  
Identification

Ralph O. Gallington  
Southern Illinois Univ.  
Carbondale, Illinois

5-0700  
ED 010 018  
MF: 25¢  
HC: \$2.12

Unified Academic and Professional  
Experiences in Language and Writing  
for the Preparation of Secondary School  
Teachers of English

Daniel Rider  
Michigan State Univ.  
East Lansing, Michigan

5-0804  
ED 016 674  
MF: 75¢  
HC: \$6.68

Production of a Motion Picture for the  
In-Service Training of Teachers in  
Problems of Human Relations in Teaching  
Socio-Economically Disadvantaged

Henry S. Breitrose  
Janet V. Voelker  
Stanford University  
Stanford, California

5-0866  
ED 013 277  
MF: 25¢  
HC: 96¢

- Short Course for Counselors on Vocational and Technical Training and Opportunities**  
Fred D. Holt  
University of Georgia  
Athens, Georgia  
5-0875  
ED 003 108  
MF: 50¢  
HC: \$3.88
- The Center for Research, Development, and Training in Occupational Education**  
Selz C. Mayo  
John K. Coster  
North Carolina State  
University at Raleigh  
Raleigh, North Carolina  
5-1005  
ED 012 344  
MF: 25¢  
HC: \$1.64
- A Pilot Study of Personality Factors Related to Occupational Aspirations of Negro College Students**  
Lawrence W. Littig  
Howard University  
Washington, D. C.  
5-1021  
ED 003 521  
MF: 25¢  
HC: \$1.88
- Effects of Modern and Conventional Mathematics Curricula on Pupil Attitudes, Interests and Perception of Proficiency**  
James J. Ryan  
Minnesota State Department of Education  
Saint Paul, Minnesota  
5-1028
- A Comparison of Techniques for the Solution of Similar Educational-Vocational Problems of Disadvantaged Youth in Great Britain and the U. S.**  
Dr. Robert L. Gibson  
Dr. Nicholas A. Fattu  
Indiana University  
Bloomington, Indiana  
5-1163  
ED 016 791  
MF: 75¢  
HC: \$6.12
- Conference on the Citizenship Education of the Young Worker**  
Alan F. Westin  
Center for Research and Education in American Liberties  
Columbia University  
New York  
5-1164
- Design for the Future: Spaces in Area Vocational Schools**  
James G. MacConnell  
Stanford University  
Stanford, California  
5-1165  
ED 010 264  
MF: 25¢  
HC: \$1.08
- A Curriculum Demonstration for Drop-out-Prone Students**  
Charles V. Matthews  
Southern Illinois Univ.  
Edwardsville, Illinois  
5-1166
- An Investigation of the Training and Skill Requirements of Industrial Machinery Maintenance Workers (Vol. I & II)**  
Frank Lynn  
Midwest Institute for Research and Training  
Chicago, Illinois  
5-1201  
ED 016 832  
MF: 50¢  
HC: \$4.56

Conference to Establish Guidelines for  
Research in Office Education

J. E. Gratz  
Shippensburg State  
College  
Shippensburg, Pa.

5-1202  
ED 010 394  
MF: 50¢  
HC: \$3.36

Vocational Aspects of Counselor  
Education

Carl McDaniels  
George Washington  
University  
Washington, D. C.

5-1208  
ED 010 016  
MF: 50¢  
HC: \$4.04

Computer Assisted Instruction:  
In-Service Training for Vocational  
Teachers

Fr. G. C. McGregor  
Providence College  
Providence, Rhode Island

5-1214  
ED 012 384  
MF: 25¢  
HC: \$1.68

A Study in Communication between High  
School Teachers of Vocational Agri-  
culture and Socio-Economically  
Disadvantaged Youth by the Use of the  
Semantic Differential

Lloyd J. Phipps  
University of Illinois  
Urbana, Illinois

5-1215  
ED 010 181  
MF: 75¢  
HC: \$5.92

Conference on Implementing Career  
Development Theory and Research through  
the Curriculum

David Tiedeman  
National Vocational  
Guidance Association  
Washington, D. C.

5-1304  
ED 010 182  
MF: \$1.00  
HC: \$8.20

A Training Program for Selected Home  
Economists to Train Adults and Older  
Youth for Homemaker Service  
Responsibilities

Charlene L. Detro  
Louisiana State Univ.  
Baton Rouge, Louisiana

5-1315  
ED 015 259  
MF: \$1.00  
HC: \$10.76

Status of Curriculum Development in  
the Field of Commercial Food at the  
Non-Baccalaureate Level

Mildred B. Barnard  
Hilda Watson Gifford  
Council on Hotel, Rest-  
aurant and Institu-  
tional Education  
Ithaca, New York

5-1316  
ED 016 073  
MF: 75¢  
HC: \$6.68

Development of a Film on Homemaker  
Services for Interpretation to the  
Public and Training Professional and  
Nonprofessional Personnel

Alberta Jacoby  
Mental Health Film  
Board, Inc.  
New York, New York

5-1318  
ED 016 074  
MF: 25¢  
HC: 40¢

A Study of a New and Dramatic Approach  
to Vocational Guidance through the Use  
of Exhibits and Displays

George A. Walsh  
National Educational  
Industrial Foundation  
Philadelphia, Pa.

5-1323  
ED 003 107  
MF: 25¢  
HC: \$1.24

Community College Health Careers  
Project: Phase II - Teacher  
Preparation

Operation Giantstep: Research in a  
New Remedial Program and Community  
College Industrial Technology  
Curriculum for the Disadvantaged

Evaluating the Efficiency and Effect-  
iveness of Self-Instructional Methods  
for Selected Areas of Vocational  
Education

A Study of Educational Activities  
Within Business and Industry in  
Richmond, California

Development of a Programmed Text  
in Salesmanship for Feasibility  
Testing in Adult Education

An Analysis of Research on Selected  
Aspects of Evaluation in Adult  
Education

Changes in Gregg Shorthand Simplified  
as Written During Employment: An  
Analytical Study of Variations in  
Phonetic System of Communication

Teaching Vocational and Citizenship  
Education in Social Studies

Factors Which Influence Participation  
in Adult Education Conferences and  
Programs by Members of Professional  
Associations

Muriel Ratner 5-1328  
University of the State ED 019 505  
of New York MF: 25¢  
State Education Dept. HC: 88¢  
Albany, New York

Manuel Stillerman 5-1336  
Milton Lowens ED 012 830  
Bronx Community College MF: 50¢  
of the City University HC: \$4.64  
of New York  
Bronx, New York

John L. Coffey 5-1363  
Ronald J. Cress ED 019 511  
Battelle Memorial MF: \$1.00  
Institute HC: \$8.80  
Columbus, Ohio

John A. McClure 5-1364  
University of California ED 015 353  
Berkeley, California MF: 50¢ HC: \$4.04

Raymond P. Russell 5-8267  
Kansas State Teachers ED 003 851  
College MF: 25¢  
Emporia, Kansas HC: \$1.00

Elizabeth W. Hutton 5-8268  
Florida State University ED 003 520  
Tallahassee, Florida MF: \$1.50  
HC: \$13.56

Ruth H. Gaffga 5-8270  
New York University ED 011 076  
New York, New York MF: 50¢  
HC: \$3.20

Kay M. Howell 5-8271  
Wilbur B. Brookover EE 022 022  
Michigan State Univ. MF: 75¢  
East Lansing, Michigan HC: \$5.44

Alan Booth 5-8273  
University of Nebraska ED 010 411  
Lincoln, Nebraska MF: 50¢  
HC: \$3.52

- Study of Industrial Arts Education in Public Secondary Schools of the Southern Appalachian Region**  
Charles J. Collins 5-8275  
West Virginia University ED 017 723  
Morgantown, West Virginia MF: 75¢  
HC: \$6.88
- Development and Evaluation of - One-Semester Stenography Course**  
Patsy Blake McMurtrie 5-8277  
San Francisco State ED 019 256  
College MF: 50¢  
San Francisco, Calif. HC: \$4.40
- A Study of the Aspirations of Married Women College Graduates**  
Rhee Lyon 5-8357  
Frank W. Miller ED 012 345  
Northwestern University MF: 50¢  
Evanston, Illinois HC: \$3.08
- A Study of Recommendations for Technical Education Curricula**  
Joseph P. Arnold 5-8371  
Purdue University ED 016 064  
Lafayette, Indiana MF: 75¢ HC: \$5.60
- Development of a Guide on Record Keeping and Analysis in the Vocational Agriculture Record Book for Production Agriculture**  
A. O. Duncan 5-8397  
University of Georgia ED 011 084  
Athens, Georgia MF: 50¢  
HC: \$3.36
- The Identification of Common Courses in Paramedical Education**  
Bill J. Fullerton 5-8398  
Arizona State Univ. ED 010 190  
Tempe, Arizona MF: 75¢  
HC: \$6.88
- Development of Marketable Typing Skill: Sensory Processes Underlying Acquisition**  
Leonard J. West 5-8434  
City University of ED 010 012  
New York MF: 25¢  
New York, New York HC: \$1.08
- The Relative Effectiveness of the Traditional and Two Modified Methods of Organizing Information Sheets**  
David J. Pucel 5-8458  
University of Minnesota ED 010 635  
Minneapolis, Minnesota MF: 75¢  
HC: \$5.60
- A Philosophical and Historical Rationale for a New Approach to "Problems of Democracy"**  
Glenn W. Hawkes 5-8459  
Harvard Graduate School ED 019 293  
of Education MF: 75¢  
Cambridge, Massachusetts HC: \$6.36
- The Use of Follow-up Studies in the Evaluation of Vocational Education**  
Laura M. Sharp 5-8461  
Bureau of Social Science ED 010 072  
Research, Inc. MF: 25¢  
Washington, D. C. HC: \$1.68

Development of a Junior High School Instrument for Appraising Social Readiness for Employment

The Advanced Degree and Vocational-Technical Education Leadership (A Symposium)

An Exploratory Study of Knowledges on Child Development and Guidance Needed by Mothers and Workers in Occupations Related to Child Care

Identification and Development of Instruments for a Study of the Expectations and Perceptions of the State Vocational-Technical Education Agencies and Their Influence upon Local Programs

Utility of Educational Television in Meeting the Informational Needs of the Disadvantaged

Summer Program for Updating the Technical Competency of Teachers of Industrial Subjects

Western States Regional Conference of Occupational Research Coordinating Councils

Workshop for Supervising Teachers in Agricultural Occupations from Eleven Western States

The Development of Pre-Vocational Education Literacy Courses for Use with Computer-Assisted Instruction of Disadvantaged Youths and Adults

Vivian Edmiston Todd 5-8462  
Zelpha Bates ED 013 467  
California State College MF: 50¢  
at Long Beach EC: \$3.44  
Long Beach, California

Carl Schaefer 5-8464  
Rutgers, The State ED 010 015  
University MF: 25¢  
New Brunswick, N. Jersey EC: \$2.40

Ruth E. Whitmarsh 5-8465  
University of Illinois ED 010 071  
Urbana, Illinois MF: 75¢  
HC: \$5.48

Allen Lee 5-8466  
University of California ED 013 362  
Berkeley, California MF: 50¢  
HC: \$3.00

Harold Mendelsohn 6-1231  
University of Denver  
Denver, Colorado

Ralph C. Bohn 6-1423  
San Jose State College ED 012 348  
San Jose, California MF: \$1.50  
HC: \$14.44

Bill Wesley Brown 6-1428  
Arizona State College ED 003 104  
Flagstaff, Arizona MF: 50¢  
HC: \$2.76

Earl E. Julson 6-1455  
Colorado State Univ. ED 010 429  
Fort Collins, Colorado MF: 50¢  
HC: \$3.52

Edward K. Hankin 6-1458  
Edwin H. Smith  
Timothy A. Smith  
Florida State University  
Tallahassee, Florida



- A Curriculum Development Study of the Effectiveness of Upgrading the Technical Skills of Educationally Disadvantaged Union Members**  
 Frank Evans  
 Negro American Labor Council Region IV  
 Cleveland, Ohio  
 6-1484  
 ED 010 439  
 MF: 50¢  
 HC: \$3.28
- Guidelines for the Preparation of Office Occupations Teachers**  
 Fred S. Cook  
 Wayne State University  
 Detroit, Michigan  
 6-1522  
 ED 010 195  
 MF: 50¢  
 HC: \$3.88
- University of Illinois Summer Institute for Teachers of Ornamental Horticulture in the Midwestern Section of the U.S.**  
 Paul E. Hemp  
 University of Illinois  
 Urbana, Illinois  
 6-1538  
 ED 016 867  
 MF: \$1.25  
 HC: \$13.24
- Determine the Feasibility of Developing a Model Describing the Flow of Occupational and Economic Information into the Secondary Vocational-Technical School**  
 Leonard C. Silvern  
 Education and Training Consultants Co.  
 Los Angeles, California  
 6-1544  
 ED 015 273  
 MF: 50¢  
 HC: \$4.40
- A Training Program for Vocational Counselors**  
 Donald L. Frick  
 Colorado State Univ.  
 Fort Collins, Colorado  
 6-1592  
 ED 014 083  
 MF: 25¢  
 HC: \$1.84
- Pilot Training Project Based on Directed Occupational Experience for Teachers of Marketing and Distribution**  
 Warren G. Meyer  
 University of Minnesota  
 College of Education  
 Minneapolis, Minnesota  
 6-1594  
 ED 016 805  
 MF: 75¢  
 HC: \$6.04
- Regional Center for Collection, Synthesis and Dissemination of Career Information for Use by Schools of San Diego County**  
 Edwin A. Whitfield  
 Richard Hoover  
 Department of Education  
 San Diego, California  
 6-1620  
 ED 015 513  
 MF: 75¢  
 HC: \$6.60
- Effectiveness of Film in Changing Parental Attitudes**  
 Marvin L. Hanson  
 University of Utah  
 Salt Lake City, Utah  
 6-1638  
 ED 020 659  
 MF: 25¢  
 HC: 68¢
- Technical Personnel in Mental Health**  
 Edward Linzer  
 The National Association  
 for Mental Health  
 New York, New York  
 6-1685  
 ED 013 361  
 MF: 50¢  
 HC: \$2.04
- An Instructional Program for Teachers of Occupational Training Programs Utilizing Home Economics Knowledge and Skill**  
 Anna M. Gorman  
 University of Kentucky  
 Lexington, Kentucky  
 6-1699  
 ED 016 071  
 MF: 50¢ HC: \$4.20
- Summer Writing Conference to Continue Development of Materials in Expression of Ideas (English) and Quantitative Thinking (Mathematics) to be Used in Pre-College Centers for Students from Low-Income Families**  
 Educational Services Inc.  
 Curriculum Resources  
 Group  
 55 Chapel Street  
 6-1700  
 ED 015 177  
 MF: 75¢  
 HC: \$5.88

**An Evaluation of Vocational Education  
for Disadvantaged Youth**

**A Study of the Teaching of English in  
Selected British Secondary Schools**

**National Leadership Development  
Institutes in Technical Education**

**Interdisciplinary Approach to Preparing  
Home Economics Leaders for Emerging  
Programs Serving Disadvantaged Youth  
and Adults**

**Pittsburgh Technical Health Training  
Institute Demonstration Project**

**Summer Institute to Train Data Pro-  
cessing Teachers for the New Oklahoma  
Statewide Computer Science System**

**Sounds of Society: A Demonstration  
Program in Group Inquiry**

**Effects of Interval Pacing on the  
Acquisition of Typewriting Skill**

**Mental Health and Psychiatric Nursing  
in Practical Nurse Education**

**Eight-Week Summer Institute Training  
Program to Train Instructors of  
Instrumentation Technology**

**John J. Austin  
Donald A. Sommerfield  
The Public Schools of  
City of Muskegon  
Muskegon, Michigan**

**James R. Squire  
University of Illinois  
Urbana, Illinois**

**Calvin J. Cotrell  
Ivan E. Valentine  
Ohio State University  
Columbus, Ohio**

**Pauline Gillette Garrett  
University of Missouri  
Columbia, Missouri**

**Louis J. Kishkumas  
Pittsburgh Board of  
Public Education  
Pittsburgh, Pa.**

**Francis Tuttle  
Oklahoma State Board for  
Vocational Education  
Stillwater, Oklahoma**

**B. J. Chandler  
Frederick D. Erickson  
Northwestern University  
Evanston, Illinois**

**Leonard J. West  
The City University of  
New York  
New York, New York**

**Annie Laurie Crawford  
Southern Regional  
Education Board  
Atlanta, Georgia**

**Frank J. Ziol  
Pasadena City College  
Pasadena, California**

6-1831  
ED 016 097  
MF: \$1.00  
HC: \$8.56

6-1849  
ED 017 517  
MF: \$2.00  
HC: \$19.24

6-1888  
ED 011 932  
MF: 75¢  
HC: \$6.32

6-1936  
ED 016 096  
MF: 50¢ HC: \$4.28

6-2015  
ED 019 508  
MF: 50¢  
HC: \$2.68

6-2040  
ED 010 666  
MF: \$1.00  
HC: \$8.40

6-2044  
ED 018 522  
MF: 50¢  
HC: \$4.40

6-2116  
ED 019 510  
MF: 25¢  
HC: \$1.76

6-2129  
ED 015 391  
MF: 25¢  
HC: \$2.16

6-2142  
ED 010 433  
MF: 25¢  
HC: \$1.44

- |  |  |  |
|--|--|--|
| : Guidance Project to Investigate Characteristics, Background, and Job Experiences of Successful and Unsuccessful Entry Workers in Three Selected Industries | Robert E. Gorman<br>University of Montana<br>Missoula, Montana                         | 6-2147<br>ED 011 976<br>MF: 25¢<br>HC: \$2.28    |
| Work Instruction Programs for the Food Service Industry  | Stephan Konz<br>Raymona Middleton<br>Kansas State University<br>Manhattan, Kansas      | 6-2159<br>ED 011 961<br>MF: 25¢<br>HC: \$2.12    |
| Child Development Training Program for Vocational Home Economics Teachers  | Helen Sulek<br>University of Nebraska<br>Lincoln, Nebraska                             | 6-2186<br>ED 016 066<br>MF: 50¢ HC: \$4.84       |
| Vocational-Technical Education Leadership Development Seminar  | Clodus R. Smith<br>University of Maryland<br>College Park, Maryland                    | 6-2188<br>ED 010 629<br>MF: 75¢<br>HC: \$5.76    |
| A Functional Analysis of Paramedical Occupations as a Foundation for Curriculum Development  | John P. Decker<br>Arizona Health Services<br>Education Association<br>Phoenix, Arizona | 6-2193<br>ED 012 790<br>MF: \$1.00<br>HC: \$9.80 |
| 1966 Summer Institutes on Fluid Power Education for Vocational and Technical Teachers  | Theodore Pearce<br>Fluid Power Society<br>Thiensville, Wisconsin                       | 6-2203<br>ED 016 113<br>MF: 25¢ HC: 88¢          |
| Seminar to Identify the Structure of Knowledge in Home Economics Education at the Graduate Level   | Hazel Anthony<br>Shirley Kreutz<br>University of Nebraska<br>Lincoln, Nebraska         | 6-2205   |
| Vocational-Educational Information Workshop for Rural Guidance Workers, August 1966  | K. Norman Severinsen<br>Western Illinois Univ.<br>Macomb, Illinois                     | 6-2208<br>ED 015 042<br>MF: 50¢<br>HC: \$4.16    |
| Guidance Counselor Institute for Health Careers  | Philip P. Morgan<br>United Hospital Funds of<br>New York<br>New York, New York         | 6-2209<br>ED 012 342<br>MF: \$1.00<br>HC: \$9.00 |
| An Eight-Week Summer Institute Training Program to Train Instructors of Instrumentation Technology   | Delbert A. McKee<br>State University of<br>New York<br>Morrisville, New York           | 6-2211<br>ED 011 973<br>MF: 25¢<br>HC: 52¢       |

**Training Institute for Vocational  
Guidance and Counseling Personnel**

**Conference for Vocational Teacher  
Educators on New Media of Instruction**

**National Leadership Development Seminar  
for Vocational-Technical Education  
Personnel**

**The Fluid Power Institutes: Tested  
Procedures for Introducing Emerging  
Technologies; 1966**

**The Preparation of Curriculum Materials  
and the Development of Teachers for an  
Experimental Application of the Cluster  
Concept of Vocational Education at the  
Secondary Level**

**An Eight-Week Seminar in an Introduction  
to Numerical Control on Two- and Three-  
Axis Machine Tools for Vocational and  
Technical Machine Tool Instructors**

**Investigation to Produce Guidelines  
for Health Technology Program Planning**

**The Possibility of Systematic Study of  
the Requirements and Education and  
Training Programs of Selected Health  
Professions**

**A Study to Develop Instructional  
Materials for a Ninth and Tenth Grade  
World History Curriculum Integrating  
History and the Social Sciences**

**Frank E. Wellman  
University of Missouri  
Columbia, Missouri**

6-2212  
ED 011 614  
MF: 50¢  
HC: \$4.28

**W. Vincent Payne  
Tuskegee Institute  
Tuskegee, Alabama**

6-2224  
ED 010 435  
MF: 50¢  
HC: \$2.76

**H. H. London  
University of Missouri  
Columbia, Missouri**

6-2235  
ED 010 597  
MF: 25¢  
HC: \$2.08

**Gerald Baysinger  
Fluid Power Society  
Thiensville, Wisconsin**

6-2278  
ED 016 130  
MF: \$1.25 HC: \$11.60

**Donald Maley  
University of Maryland  
College Park, Maryland**

6-2312  
ED 016 841  
MF: \$1.25  
HC: \$12.32

**Milton Boldt  
Harry Pokorny  
Milwaukee Vocational,  
Technical and Adult  
Schools  
Milwaukee, Wisconsin**

6-2332  
ED 017 726  
MF: 25¢  
HC: \$1.80

**Carol Kahler  
National Health Council  
New York, New York**

6-2355  
ED 021 556  
MF: 50¢  
HC: \$4.16

**Forbes W. Polliard  
Indianapolis Hospital  
Development Association,  
Incorporated  
Indianapolis, Indiana**

6-2444  
ED 016 079  
MF: 50¢  
HC: \$4.00

**Edgar Bernstein  
University of Chicago  
Chicago, Illinois**

6-2445  
ED 013 991  
MF: 25¢  
HC: \$1.80

Differentially Structured Introductory  
Learning Materials and Learning Tasks

Arden Grotelueochen  
Teachers College  
Columbia University  
New York, New York

6-2447  
ED 016 148  
MF: \$1.00  
HC: \$10.24

The Life Cycle of an Adult Education  
Enterprise--The Swarthmore Chautaugua

George J. Dillavou  
Department of Education  
University of Chicago  
Chicago, Illinois

6-2608

Pilot Summer Vocational Teacher Training  
Institute in Dental Assisting

Raymond Baralt, Jr.  
University of Detroit  
Detroit, Michigan

6-2652  
ED 011 052  
MF: 25¢  
HC: \$1.88

Pilot Vocational Teacher Training  
Institute for Dental Assisting -  
Summer 1966

Roger E. Barton  
University of North  
Carolina  
Chapel Hill, N. Carolina

6-2653  
ED 010 334  
MF: 50¢  
HC: \$3.16

Training for Teachers of Technical  
Programs in Agriculture

Howard Sidney  
State University of  
New York  
Cobleskill, New York

6-2662  
ED 010 335  
MF: 50¢  
HC: \$3.44

In-Service Training in Computer  
Assisted Instruction for Vocational  
Teachers

Fr. G. C. McGreger  
Providence College  
Providence, Rhode Island

6-2811  
ED 017 170  
MF: 25¢  
HC: \$2.20

A Developmental Program for the  
Improvement of Trade-Technical Teacher  
Education in the Southern States

David Allen  
University of California  
Los Angeles, California

6-2861  
ED 011 061  
MF: 50¢  
HC: \$2.96

A Nationwide Study of the Administra-  
tion of Vocational-Technical Education  
at the State Level (Vol. I & II)

J. Chester Swanson  
University of California  
Berkeley, California

6-2921  
ED 016 858  
MF: \$1.25  
HC: \$12.72

Occupational Training Centers for  
16-18 Year-Old Youth

Harry Handler  
Los Angeles City Unified  
School Districts  
Los Angeles, California

6-2958  
ED 010 620  
MF: 50¢  
HC: \$4.40

Structuring a Program of Research and  
Development for Kentucky Designed to  
Bring Together all Available Research  
Resources to Support a Continuing  
Program of Vocational Education

Carl F. Lamar  
University of Kentucky  
Lexington, Kentucky

6-3024  
ED 016 144  
MF: 50¢  
HC: \$2.60

Vocational Education Occupational  
Research and Development Coordinating  
Unit

V. E. Burgener  
Board of Vocational  
Education and  
Rehabilitation  
Springfield, Illinois

6-3030  
ED 011 981  
MF: 50¢  
HC: \$2.64

Prediction of Adult Educators'  
Attitudes Toward Institutional Changes

John Dale Apel  
University of Chicago  
Chicago, Illinois

6-8075  
ED 012 881  
MF: 25¢  
HC: \$1.00

An Evaluation of a Counselor Education  
Program Designed for Prospective  
Elementary School Counselors Enrolled  
in 1965-1966 NDEA Institute

Merle M. Ohlsen  
University of Illinois  
Urbana, Illinois

6-8087

An Analysis and Interpretation of Data  
on the Social Characteristics of  
Residents of "Vine City," A Negro Slum  
Ghetto

Marcia L. Halvorsen  
Spelman College  
Atlanta, Georgia

6-8162  
ED 015 225  
MF: 50¢  
HC: \$2.60

Attention Directing Techniques Used by  
Teachers: Attention as a Variable in  
Teaching Research

Douglas Sjogren  
Colorado State University  
Fort Collins, Colorado

6-8183  
ED 016 245  
MF: 25¢  
HC: \$1.82

Conditions of Participation in a  
Public Affairs Adult Education  
Program

J. Michael Blum  
American Institutes  
for Research  
Pittsburgh, Pa.

6-8191  
ED 010 073  
MF: 50¢  
HC: \$3.72

Preliminary Investigation of  
Communication-Linked Techniques for  
Off-Campus Teaching of Vocational and  
Technical Subjects

Alexander Schure  
New York Institute of  
Technology  
New York, New York

6-8254  
ED 011 971  
MF: 75¢  
HC: \$6.04

The Development and Testing of  
Instruments and Procedures for a  
Study of Student Selection Practices  
in Technical Education Programs

George S. Whitney  
The American Technical  
Education Assoc, Inc.  
Delmar, New York

6-8255  
ED 011 972  
MF: 25¢  
HC: \$1.96

A Comprehensive Project to Develop a  
Complete Curriculum in the Area of  
Medical Records Technician

Robert L. Cove  
State University of  
New York  
Agricultural and Technical  
College  
Alfred, New York

6-8302

Conference on Methods of Increasing  
Student Achievement in Technical  
Preparatory Programs

Milo E. Van Hall  
State University of  
New York  
Alfred, New York

6-8303  
ED 010 075  
MF: 25¢  
HC: 56¢

Development of a Scale to Measure  
Interests in Agricultural Occupations

William H. Hamilton  
Charles W. Hill  
Cornell University  
Ithaca, New York

6-8304  
ED 010 091  
MF: 50¢  
HC: \$3.00

Pilot Programs in High Schools to  
Prepare Students for a Wide Spectrum  
of Computing, Recording, and Book-  
keeping Occupations

Jeffrey R. Stewart, Jr.  
Virginia Polytechnic  
Institute  
Blacksburg, Virginia

6-8318  
ED 012 389  
MF: 25¢  
HC: \$1.98

The Identification and Comparison  
of the Common Professional Training  
Needs and Requirements for Teachers  
of Vocational Education (Phase I -  
The Instrument)

E. Wayne Courtney  
Stout State University  
Menomonie, Wisconsin

6-8319  
ED 010 845  
MF: 25¢  
HC: \$1.36

Improving Procedures for Producing  
Overhead Transparencies with the  
Ultimate Aim of Incorporating These  
Techniques into the Development of a  
Regional Curricula Materials Center  
for Vocational Education

Arthur K. Jensen  
Clemson University  
Clemson, South Carolina

6-8320  
ED 017 722  
MF: 75¢  
HC: \$6.12

Secondary Students' Mathematics  
Competencies in Relation to Employment  
Tests

William Harper Landis  
University of Southern  
California  
Los Angeles, California

6-8323  
ED 016 784  
MF: 75¢  
HC: \$7.96

The Relative Effectiveness of Informa-  
tional Feedback about Supervisory and  
Student Reactions with Beginning and  
Experienced Vocational Teachers

Wilmot F. Oliver  
Rutgers, The State  
University  
New Brunswick, N. Jersey

6-8327  
ED 019 477  
MF: 50¢  
HC: \$3.28

The Development and Testing of an  
Evaluation Model for Vocational Pilot  
Programs

Bruce W. Tuckman  
Rutgers, The State  
University  
New Brunswick, N. Jersey

6-8355  
ED 016 083  
MF: 50¢  
HC: \$4.24

Selected Characteristics, Socioeconomic  
Status, and Levels of Attainment of  
Students in Public Junior College  
Occupation-Centered Education

John W. Hakansen  
University of California  
School of Education  
Berkeley, California

6-8420  
ED 013 644  
MF: 25¢  
HC: \$1.96

- Evaluative Training Strategies in the Social Studies**  
 Milton Q. Meux  
 College of Education  
 University of Utah  
 Salt Lake City, Utah  
 6-8423  
 ED 013 977  
 MF: 50¢  
 HC: \$3.60
- Guidelines for the Development of a Course for Secondary Schools Emphasizing the Interaction of Science and the Culture of Man**  
 Robert E. Yager  
 University of Iowa  
 Iowa City, Iowa  
 6-8445  
 ED 018 400  
 MF: 75¢  
 HC: \$6.44
- Implications of Vocational Education for Plant Site Location**  
 Ernest H. Dean  
 Utah Technical College  
 at Provo  
 Provo, Utah  
 6-8498  
 ED 014 569  
 MF: \$1.00  
 HC: \$8.88
- A Design for Action Research at Project TRY**  
 Sidney Rosenberg  
 Winthrop R. Adkins  
 Training Resources for Youth, Inc.  
 Brooklyn, New York  
 6-8503  
 ED 018 524  
 MF: 75¢  
 HC: \$5.36
- A Conference for the Administration of Industrial Education**  
 Clyde M. Morris  
 Kent G. Alm  
 University of N. Dakota  
 Grand Forks, North Dakota  
 6-8505  
 ED 016 072  
 MF: 25¢  
 HC: \$1.96
- Study and Development of Shop-Centered Team Teaching for Potential High School Dropouts**  
 William R. Odell  
 Stanford University  
 Stanford, California  
 6-8524  
 ED 019 743  
 MF: 50¢  
 HC: \$3.52
- Seminar on Shop and Laboratory Planning for Vocational Education**  
 Gordon G. McMahon  
 State University College  
 Oswego, New York  
 6-8530  
 ED 022 031  
 MF: 25¢  
 HC: \$6¢
- The Application for Employment and Job-Seeking Success Among Educable Mentally Retarded Youth**  
 Robert J. Gregory  
 Syracuse University  
 Syracuse, New York  
 6-8576  
 ED 016 095  
 MF: 75¢ HC: \$7.48
- Teaching Adults Via Tele-Lecture and Electrowriter (Victor Electronic Remote Blackboard)**  
 Lily Edelman  
 B'nai B'rith Commission  
 on Adult Jewish Education  
 Washington, D. C.  
 6-8583  
 ED 016 081  
 MF: 50¢  
 HC: \$2.40
- A Comparative Analysis of Electronic Content in Public Post-High School Technical Institutes and Electronics Technology Requirements of Industry**  
 Richard J. Vasek  
 Mississippi State University  
 State College, Miss.  
 6-8590  
 ED 015 302  
 MF: 50¢  
 HC: \$3.72



- A Pilot Study to Develop and Determine the Feasibility of a Packaged Materials Program for Teaching Reading and the General Development Area of Adult Basic Education  
Edwin H. Smith  
Florida State University  
Tallahassee, Florida  
6-8675  
ED 016 156  
MF: 50¢  
HC: \$3.84
- Planning Project for the Teaching of Asian Studies in New England Secondary Schools  
Allan B. Cole  
Tufts University  
Medford, Massachusetts  
6-3711  
ED 018 440  
MF: 25¢  
HC: \$1.24
- Career Simulation for Adolescent Pupils  
P. Marvin Barbula  
Stephen W. Issac  
Department of Education  
San Diego County  
San Diego, California  
6-8744  
ED 016 268  
MF: 25¢  
HC: \$2.00
- Development and Evaluation of Instructional Units for Teaching Profit-Maximizing Principles in Vocational Agriculture  
Richard L. Barker  
Ohio State University  
Research Foundation  
Columbus, Ohio  
6-8763  
ED 014 552  
MF: 75¢  
HC: \$7.32
- A Proposal for the Development of Materials of Instruction for a General Mathematics Curriculum in Grade Nine  
Dr. Paul V. Rogler  
Wilmington Public Schools  
Wilmington, Delaware  
6-8786
- Publication of Two Manuals Describing the Techniques in the Establishment of Career Information Services  
Roland Darling  
Northeastern University  
Boston, Massachusetts  
6-8801
- Equal Employment Opportunities: Selected Papers and Annotated Bibliographies  
Gordon C. Barhydt  
Louis A. Ferman  
Institute of Labor and Industrial Relations  
University of Michigan  
Ann Arbor, Michigan  
6-8854  
ED 016 068  
MF: 75¢  
HC: \$6.72
- An Evaluative Study of Teacher Constructed Test Items for BSCS Biology  
Dr. George C. Turner  
Mr. Vergil Hettick  
California State College  
Fullerton, California  
6-8919  
ED 018 371  
MF: \$1.25  
HC: \$13.56
- Communication Concepts for Developing Increased Competence Among Cooperative Extension and Vocational Agricultural Educators in Improving Educational Change  
Robert W. McCormick  
Ohio State University  
Columbus, Ohio  
6-8932
- Clusters of Tasks Associated with Performance of Major Types of Office Work (Partial Final Report)  
Edward A. Perkins, Jr.  
Washington State Univ.  
Pullman, Washington  
7-0031(a)  
ED 018 665  
MF: \$1.00  
HC: \$8.48

- The Development and Testing of a Poly sensory Instructional System for Teaching Knowledge and Skills Associated with the Use of Expandable Polystyrene Plastics (Partial Final Report) Dale LeRoy Nish Washington State Univ. Pullman, Washington 7-0031(b) ED 019 512 MF: 50¢ HC: \$2.72
- The Development and Testing of an Experimental Polysensory Self-Instructional System Designed to Help Students Acquire Basic Electrical Occupational Competencies (Partial Final Report) Edwin K. Hill Washington State Univ. Pullman, Washington 7-0031(c) ED 021 141 MF: 50¢ HC: \$3.08
- Clusters of Tasks Performed by Washington State Farm Operators Engaged in Seven Types of Agricultural Production (Partial Final Report) Gilbert A. Long Washington State Univ. Pullman, Washington 7-0031(d) ED 021 067 MF: 50¢ HC: \$3.56
- Audio Visual Instructional Materials for Distributive Education - A Classified Bibliography (Partial Final Report) Jerry C. Levendowski Washington State Univ. Pullman, Washington 7-0031(e) ED 022 045 MF: 50¢ HC: \$4.56
- The Sub professional from Concepts to Careers Edith F. Lynton National Commission on Youth Employment 145 E. 32nd Street New York, New York 7-0095 ED 017 945
- Development of Post High School Wage-Earning Programs in Home Economics Education Utilizing the Resources Guide: Care and Guidance of Children Ruth J. Dales Ann G. Buis Florida State University Tallahassee, Florida 7-0382
- Vocational-Technical Education Leadership Development Seminar H. H. London University of Missouri Columbia, Missouri 7-0417 ED 017 680 MF: 50¢ HC: \$2.48
- Computer-Aided Drafting and Design - Summer Institute Alexander G. Morphos Miami-Dade Junior College Miami, Florida 7-0435 ED 016 859 MF: \$1.25 HC: \$12.00
- Workshop on Organization and Operation of Cooperative Work Experience Programs in Trade and Industrial Education James N. Harris Austell O. Sherard Tuskegee Institute Tuskegee, Alabama 7-0444 ED 017 727 MF: 75¢ HC: \$7.16
- Pre-Service Education of Office Occupations Teachers Dolores Kilchenstein Texas Technical College Lubbock, Texas 7-0450 ED 019 476 MF: 50¢ HC: \$3.32

National Seminar to Improve the Use  
of Youth Organizations in Vocational  
Education as Teaching Devices

George L. Luster  
University of Kentucky  
Lexington, Kentucky

7-0104  
ED 016 869  
MF: 75¢  
HC: \$7.44

A Summer Institute for the Improvement  
of Technical Teacher Education Programs

Joseph P. Arnold  
Richard C. Erickson  
Purdue University  
Lafayette, Indiana

7-0127  
ED 017 729  
MF: 75¢  
HC: \$5.56

A Clinical Workshop in Mental Health  
and Psychiatric Nursing for Instructors  
in Schools of Practical Nursing

Carl F. Lamar  
University of Kentucky  
Lexington, Kentucky

7-0544

Medical Laboratory Assistant Teacher  
Education Institute - Pilot Program

Rex D. Couch  
National Committee for  
Careers in Medical  
Technology  
Washington, D. C.

7-0635  
ED 021 064  
MF: 50¢  
HC: \$4.44

Materials and Structural Design Seminar  
for Vocational-Technical Schools

J. Clark Davis  
University of Nevada  
Reno, Nevada

7-0658  
ED 016 112  
MF: 50¢ HC: \$4.52

An Evaluation of a Summer Institute to  
Train Instructors of Instrumentation  
Technology

Karl B. Schnelle, Jr.  
Instrument Society of  
America  
Pittsburgh, Pa.

7-8021  
ED 016 129  
MF: 50¢  
HC: \$2.40

The Relative Effectiveness of Supple-  
menting Programmed Instruction with  
Blocked Versus Spaced Review

James Arnold Scanlon  
Frederick K. T. Tom  
Cornell University  
Ithaca, New York

7-8068  
ED 013 538  
MF: 25¢  
HC: \$1.84

Differences in Some Initial Attitudes  
of Students Who Complete and Students  
Who Drop Out in the Wellesley,  
Massachusetts Adult Education Center

Rosemary C. Hurkamp  
Boston University  
School of Education  
Boston, Massachusetts

7-8073

Trial and Testing of an Experimental  
Guidance Curriculum

Vivian S. Sherman  
American Institutes for  
Research  
Palo Alto, California

7-8091  
ED 020 554  
MF: 75¢  
HC: \$5.52

A Symposium on Educational Research  
(Concepts, Strategies, and Priorities  
for Research in Educational Manpower)

Don Davies  
National Education  
Association  
Washington, D. C.

7-8207  
ED 013 778  
MF: 50¢  
HC: \$2.92

Exploration of Simulation as a Retire-  
ment Education Technique

Norman Sprague  
Employment and Retirement  
Program  
National Council on the  
Aging, Inc.  
New York, New York

7-8249

Facilitation and Interference in the  
Older Adult Learner

Thomas J. McCrystal  
Xavier University  
Cincinnati, Ohio

7-8314  
ED 019 605  
MF: 25¢  
HC: \$1.28

A Regional Institute to Aid Improvement  
of Instructional Practices, Materials  
and Student Experiences for Coordi-  
nators and Instructors of Vocational  
Orientation Programs

Margaret Blair  
Harold R. Seltzer  
State Department of  
Education  
Division of Vocational  
Education  
Trenton, New Jersey

7-8400  
ED 019 507  
MF: 25¢  
HC: \$2.36

Initial Feasibility Study for  
Exploration of Three U. S. Air Force  
Course Materials for Adaptation to  
Civilian School Systems

James H. Straubel  
Michael Nisos  
Aerospace Education  
Foundation  
1750 Pennsylvania Ave.  
Washington, D. C.

8-8018  
ED 020 348  
MF: 25¢  
HC: \$1.20

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
Office of Education  
Bureau of Research  
Division of Comprehensive and Vocational Education Research (DCVER)  
Washington, D.C. 20202

**II** DCVER PROJECTS RELATED TO THE "CLUSTER CONCEPT" IN VOCATIONAL EDUCATION

A. Studies by Professor Donald Maley at the University of Maryland:  
(These studies have dealt with three clusters of occupations: The electromechanical installation and repair cluster, the construction cluster, and the metal forming and fabrication cluster.)

<u>Project Number</u>	<u>ED Number</u>	<u>Microfiche Price</u>	<u>Hard Copy Price</u>
5-0183	010-301	\$ .75	\$ 5.40
5-0183	010-302	\$1.25	\$11.24
5-0183	010-303	\$1.25	\$11.36
5-0183	010-304	\$1.25	\$11.24
6-2312	016-841	\$1.25	\$12.32
6-2312	016-842	\$ .75	\$ 6.36
6-2312	016-843	\$ .75	\$ 7.20
6-2312	016-844	\$ .50	\$ 5.08
7-0853	022-965	\$1.75	\$17.60

**B. Studies by Professor Gordon McCleskey at Washington State University:**

<u>Project Number</u>	<u>Occupational Areas</u>	<u>KD Number</u>	<u>Microfiche Price</u>	<u>Hard Copy Price</u>
5-0046	Electronic Technology	010-655	\$ .50	\$2.84
5-0046	Office Occupations	019-656	\$ .50	\$2.92
5-0046	Retailing Occupations	010-657	\$ .50	\$4.68
5-0046	Building Trades	010-658	\$ .75	\$7.36
5-0046	Vocational Mathematics	010-659	\$ .25	\$ .60
5-0046	Food Service Occupations	010-660	\$ .25	\$ .80
5-0046	Child Care Occupations	010-661	\$ .25	\$ .88
7-0031	Child Care Occupations	021-066	\$ .25	\$1.76
7-0031	Farming Occupations	021-067	\$ .50	\$3.56
7-0031	Office Occupations	018-665	\$1.00	\$8.48
7-0031	Retailing Occupations	023-911	\$ .50	\$3.65
7-0031	Allied Health Occupations	022-958	\$ .50	\$4.36

- C. Study by Professor William J. Schill and Joseph P. Arnold at the University of Illinois: (This study dealt with a cluster of occupations including electronic technology, chemical technology, mechanical technology, electro-mechanical technology, electro-chemical technology, and chemical-mechanical technology.)

<u>Project Number</u>	<u>ED Number</u>	<u>Microfiche Price</u>	<u>Hard Copy Price</u>
CRP-2048	001-172	\$ .75	\$7.25

- D. Study by the American Institutes for Research and the Quincy, Massachusetts public school system:

Note: This study, Project No. 5-0009, is still in progress and no final reports are as yet available from the ERIC system. However, descriptions of the project activities are available from the U.S. Government Printing Office under Catalog No. FS 5.280:80050 (price 10 cents) and Catalog No. FS 5.280:80047 (price 30 cents). This project deals with eleven clusters of occupations: Power mechanics, metals and machines, electrical-electronic, computer data processing, general piping, general woodworking, graphic and commercial arts, business and office jobs, health occupations, food preparation and home economics.

## SPECIAL ORDERING INSTRUCTIONS

Reproduced copies of final reports can be ordered either in "hard copy" or on microfiche. "HC" stands for hard copy, which is ready-to-read material reproduced page-by-page on special paper.

"MF" stands for microfiche, which is a reproduction of up to sixty original pages on a single sheet of 4 by 6 inch film. Microfiche readers, available from many manufacturers, are required to enlarge the microfiche images for reading purposes.

Reproduced copies of final reports cost 4 cents per page for hard copy or 25 cents per microfiche containing about 60 pages.

In ordering documents, the following information must be furnished:

The ED numbers of the desired documents (titles need not be furnished).

The type of reproduction desired-hard copy or microfiche.

The number of copies being ordered.

Payment must accompany orders totaling less than \$5. Add a special handling charge of 50 cents to any order which totals less than \$3. The ERIC Document Reproduction Service is registered to collect sales taxes and orders from states which have sales tax laws must include payment of the appropriate tax or include tax exemption certificates.

Foreign Orders: A 25-percent service charge, calculated to the nearest cent, must accompany orders from outside the United States, its territories, and possessions. This service charge is applicable to orders for microfiche (MF) and hard copy (HC).

All orders must be mailed to the following address:

ERIC Document Reproduction Service  
The National Cash Register Company  
4936 Fairmont Avenue  
Bethesda, Maryland 20014



3/69

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
Office of Education  
Bureau of Research  
Division of Comprehensive and Vocational Education Research (DCVR)  
Washington, D.C. 20202

III DCVR Projects Related Wholly or Partially  
To  
Community Colleges and Technical Institutes

During the period from July 1, 1964, to June 30, 1968, DCVR initiated a total of 116 projects related wholly or partially to community colleges and technical institutes. These projects are itemized on the attached list.

If a project is identified only by a project number (for example: 5-0126), the project activities are still underway and, of course, the final report is not yet available from the ERIC System.

If a project is identified both by a project number and by an ED number (for example: ED 016 074) the project activities have been completed and the final report is now available at the output end of the ERIC System. For such projects, the cost of a reproduced copy of the final report is shown, both for microfiche (MF) and hard copy (HC).

Orders for a reproduced copy of a final report should specify the ED number, should state whether microfiche or hard copy if desired, should be accompanied by payment, and should be addressed to:

ERIC Document Reproduction Service  
The National Cash Register Company  
4936 Fairmont Avenue  
Bethesda, Maryland 20014

Projects which are still underway at the present time will, upon completion, be cited in future issues of Research in Education, a monthly abstract journal published and distributed by the U.S. Government Printing Office. The citation will specify the ED number and price of the final report. Citation in Research in Education will serve as an announcement that a project has been completed and that its final report has become available at the output end of the ERIC System.

SPECIAL ORDERING INSTRUCTIONS

Reproduced copies of final reports can be ordered either in "hard copy" or on microfiche. "HC" stands for hard copy, which is ready-to-read material reproduced page-by-page on special paper.

"MF" stands for microfiche, which is a reproduction of up to sixty original pages on a single sheet of 4 by 6 inch film. Microfiche readers, available from many manufacturers, are required to enlarge the microfiche images for reading purposes.

Reproduced copies of final reports cost 4 cents per page for hard copy or 25 cents per microfiche containing about 60 pages.

In ordering documents, the following information must be furnished:

The ED numbers of the desired documents (titles need not be furnished).

The type of reproduction desired--hard copy or microfiche.

The number of copies being ordered.

Payment must accompany orders totaling less than \$5. Add a special handling charge of 50 cents to any order which totals less than \$3. The ERIC Document Reproduction Service is registered to collect sales taxes and orders from States which have sales tax laws must include payment of the appropriate tax or include tax exemption certificates.

Foreign Orders: A 25-percent service charge, calculated to the nearest cent, must accompany orders from outside the United States, its territories, and possessions. This service charge is applicable to orders for microfiche (MF) and hard copy (HC).

All orders must be mailed to the following address:

ERIC Document Reproduction Service  
The National Cash Register Company  
4936 Fairmont Avenue  
Bethesda, Maryland 20014

DCVR Projects Related Wholly or Partially  
To  
Community Colleges and Technical Institutes

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
5-0004	W. James Popham University of California Los Angeles, California	Performance Tests of Instructor Competence for Trade and Techni- cal Education
5-0012 ED 012 324 MF: 25¢ HC: \$1.52	Jerome Moss, Jr. University of Minnesota Minneapolis, Minnesota	The Influence of Industrial Arts Experience on Grades Earned in Post High School Trade and Techni- cal Curriculums
5-0018 ED 003 522 MF: 50¢ HC: \$2.72	Milton E. Larson Rutgers, The State University New Brunswick, New Jersey	Development of a Technological Center for Keeping Vocational Teachers Updated in Their Fields
5-0019 ED 012 396 MF: \$1.25 HC: \$12.68	Frederick W. Lamb Fluid Power Society Thiensville, Wisconsin	Summer Institutes in Fluid Power Education for Teachers of Voca- tional and Industrial Education
5-0028 ED 003 110 MF: 25¢ HC: \$2.00	Forest C. Carter Colorado State University Fort Collins, Colorado	An Eight Week Summer Institute Training Program to Retrain Office Education Teachers for Teaching Business Electronic Data Processing
5-0029 ED 003 096 MF: \$1.00 HC: \$8.96	Theodore A. Koschler Miami-Dade Junior College Miami, Florida	An Eight Week Summer Institute Training Program to Retrain Office Education Teachers for Teaching Business Electronic Data Processing

Project Number,  
ED Number, and  
Price

Principal Investigator  
and Institution

Title

5-0030  
ED 003 100  
MF: 25¢  
HC: \$1.56

I. E. Valentine  
State Board of Education  
Raleigh, North Carolina

An Eight Week Summer Institute  
Training Program to Retrain  
Office Education Teachers for  
Teaching Business Electronic Data  
Processing

5-0033  
ED 003 094  
MF: 25¢  
HC: 64¢

John L. Martinson  
Institute for Advancement of  
Medical Communication  
Bethesda, Maryland

A Survey of Experience to Date in  
Vocational Training Programs  
for Library Technicians

5-0035

Harold E. Mitzel and  
George Brandon  
The Pennsylvania State University  
University Park, Pennsylvania

Experimentation with Computer-Assisted  
Instruction in Technical Education

5-0040  
ED 010 499  
MF: 25¢  
HC: 96¢

William E. Breese  
Wisconsin Institute of Technology  
Milwaukee, Wisconsin

An Eight Week Summer Institute  
Training Program to Retrain Office  
Education Teachers for Teaching  
Business Electronic Data Processing

5-0041  
ED 003 091  
MF: 25¢  
HC: \$2.20

Norman E. Watson  
Orange Coast Jr. College District  
Costa Mesa, California

An Eight Week Summer Institute Train-  
ing Program to Retrain Office Education  
Teachers for Teaching Business Elec-  
tronic Data Processing

5-0042  
ED 015 271  
MF: \$1.50  
HC: \$16.16

H. D. Bearden  
Texas A & M University  
College Station, Texas

Development of a Technical Training  
Program for Industrial Radiographers

5-0062  
ED 003 092  
MF: 25¢  
HC: \$2.00

Milton E. Larson  
Rutgers, The State University  
New Brunswick, New Jersey

A Two Week Summer Institute on  
Industrial Instrumentation for  
In-Service Technical Instructors

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
5-0071	W. S. Stone State University of New York Delhi, New York	Developmental Program in Animal Science
5-0073 ED 021 781 MF: 25¢ HC: \$1.16	Jerry S. Dobrovolsky University of Illinois Urbana, Illinois	An Eight Week Summer Training Program to Upgrade Subject Matter Competency of High School Drafting Teachers in Advanced Graphics, Statics, and Applied Mathematics
5-0093 ED 003 093 MF: 50¢ HC: \$3.24	Herman M. Weisman Colorado State University Fort Collins, Colorado	Teacher Education Institute on Technical Writing
5-0116 ED 021 127 MF: 75¢ HC: \$6.60	Ronald G. Taylor Ferris State College Big Rapids, Michigan	Comparison of Successful and Unsuccessful Junior College Students
5-0119 ED 010 501 MF: 25¢ HC: \$1.84	Charles Joseph Turner Central Florida Junior College Ocala, Florida	Identifying Successful Technical Students in Junior Colleges
5-0120	Vernon L. Hendrix University of Minnesota Minneapolis, Minnesota	Study of Environmental Differentials of Occupational Programs in Public Junior Colleges
5-0144	F. Kendrick Bangs University of Colorado Boulder, Colorado	Curricular Implications of Automated Data-Processing for Educational Institutions

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
5-0147 ED 010 593 MF: 75¢ HC: \$5.84	Malcolm Richland System Development Corporation Santa Monica, California	A Study of Potential Utilization of Retiring Military Personnel in Vocational and Technical Education Programs
5-0148	Howard Nelson University of Minnesota Minneapolis, Minnesota	Characteristics of Full-Time Students in Post Secondary Trade Courses
5-0154	Antoinette Ryan Blue Mountain Community College Pendleton, Oregon	Improvement of Vocational Decision Making in the Community College
5-0158 ED 012 372 MF: 50¢ HC: \$3.96	Maurice W. Roney Oklahoma State University Stillwater, Oklahoma	Development of Curriculum Guide in Electro-Mechanical Technology
5-0160	James E. Bottons Georgia State Department of Education Atlanta, Georgia	Developing a Program of Student Personnel Services for Area Vocational-Technical Schools
5-0170 ED 010 020 MF: 50¢ HC: \$3.20	George H. Hieronymus Northern Virginia Technical College Fairfax, Virginia	Documenting and Evaluating the Steps in Establishing a Two-Year Technical College by Critical Path Planning Methods
5-0174	Edward V. Schten University of Wisconsin Madison, Wisconsin	State and Local Governments as Employers of Youth Trained in Vocational-Technical Schools

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
5-0175 ED 016 845 MF: 75¢ HC: \$6.48	Austin E. Fribrance Technical Education Research Center Cambridge, Massachusetts	Development of a Curriculum Guide in Bio-Medical Equipment Technology
5-0179 ED 003 495 MF: 25¢ HC: 48¢	Austin E. Fribrance Rochester Institute of Technology Rochester, New York	Industrial Instrumentation Technology for Instructors in Junior Colleges and Technical Institutes
5-0189	David Allen University of California Los Angeles, California	A Study of the Aviation Mechanics Occupation
5-0569 ED 010 120 MF: 25¢ HC: \$2.04	John J. Shea Greenfield Community College Greenfield, Massachusetts	PREP--Program for Recovering and Extending Potential for High School Underachievers Seeking Entrance at a Regional Community
5-1165 ED 010 264 MF: 25¢ HC: \$1.08	James D. MacConnell Stanford University Stanford, California	Design for the Future: Space in Area Vocational Schools
5-1319	Durwin M. Hanson North Carolina State University Raleigh, North Carolina	The Development of Achievement Measures for Trade and Technical Education
5-1328 ED 019 505 MF: 25¢ HC: 88¢	Robert E. Kinsinger University of the State of New York Albany, New York	A Community College Health Careers Project to Develop and Strengthen Education of Health Service Technicians

Project Number,  
ED Number, and  
Price

Principal Investigator  
and Institution

Title

5-1336 ED 012 830 MF: 50¢ HC: \$4.64	Manuel Stillerman Bronx Community College of the City University of New York Bronx, New York	An Experimental Program to Develop a New Junior College Level Curriculum in Industrial Technology for Disadvantaged Youths
5-8371 ED 016 064 MF: 75¢ HC: \$5.60	Joseph P. Arnold Purdue University Lafayette, Indiana	A Study of Recommendations for Technical Education Curricula
5-8398 ED 010 190 MF: 75¢ HC: \$6.88	Bill J. Fullerton Arizona State University Tempe, Arizona	A Curriculum Development Program for a Paramedical Education Center
5-8464 ED 010 015 MF: 25¢ HC: \$2.40	John L. O'Brian Rutgers - The State University New Brunswick, New Jersey	The Advanced Degree and Vocational- Technical Education Leadership (A Symposium)
6-1489	Douglas M. Fellows Ward Technical Institute University of Hartford Hartford, Connecticut	Experimental Curriculum for Electro- Mechanical Technicians in Computer and Business Machines Technology
6-1888 ED 011 932 MF: 75¢ HC: \$6.32	Calvin J. Cottrill Ohio State University Columbus, Ohio	National Leadership Development Institutes in Technical Education
6-2015 ED 019 508 MF: 50¢ HC: \$2.68	Louis J. Kishkanas Pittsburgh Board of Public Education Pittsburgh, Pennsylvania	Pittsburgh Technical Health Training Institute Demonstration Project



Project Number, ED Number, and Price	Principal Investigator and Institution	Title
6-2040 ED 010 666 MF: \$1.00 HC: \$8.40	Arthur Lee Hardwick Division of Technical Education State Board for Vocational Education Stillwater, Oklahoma	Summer Institute to Train Data Processing Teachers for the New Oklahoma State-Wide Computer Science System
6-2142 ED 010 433 MF: 25¢ HC: \$1.44	Frank J. Ziol Pasadena City College, Pasadena, California	An Eight Week Summer Institute Training Program to Train Instructors of Instrumentation Technology
6-2166	David F. Shontz University of Rhode Island Kingston, Rhode Island	A Vocational-Technical Institute Developmental Program in Commercial Fisheries
6-2193 ED 012 790 MF: \$1.00 HC: \$9.80	John P. Decker Arizona Health Services Education Association Phoenix, Arizona	A Functional Analysis of Paramedical Occupations as a Foundation for Curriculum Development
6-2203 ED 016 113 MF: 25¢ HC: 88¢	Theodore Pearce Fluid Power Society Thiensville, Wisconsin	Operation of Summer Institutes on Fluid Power Education for Teachers of Vocational and Technical Education
6-2211 ED 011 973 MF: 25¢ HC: 52¢	Delbert A. McKee State University of New York Agricultural and Technical College Morrisville, New York	An Eight-Week Summer Institute Training Program to Train Instructors of Instrumentation Technology
6-2238	Louis W. Kleine New Mexico State University University Park, New Mexico	Development and Testing of an Experimental Mobile Instructional Facility for Applied Courses in Engineering Technology

Project Number, ED Number, and Price	Principal Investigator and Institution	Title
6-2258	Aleene A. Cross University of Georgia Athens, Georgia	An Institute for Home Economics Teachers on Initiating, Developing, and Evaluating Programs at the Post High School Level to Prepare Food Service Supervisors and Assistants to Directors of Child Welfare Services
6-2278 ED 016 130 MF: \$1.25 HC: \$11.60	Theodore Pearce Fluid Power Society Thiensville, Wisconsin	Coordination, Administration and Evaluation of Summer Institutes on Fluid Power Education for Teachers of Vocational and Technical Education
6-2329	E. C. Merrill and Wendell H. Russell University of Tennessee Knoxville, Tennessee	An Experimental Pre-Service and In-Service Program for Training of Vocational and Technical Teachers
6-2332 ED 017 726 MF: 25¢ HC: \$1.80	Arthur Carlson and Milton Boldt Milwaukee Vocational Technical and Adult Schools Milwaukee, Wisconsin	An Eight Week Seminar in an Introduction to Numerical Control on Two- and Three-Axis Machine Tools for Vocational and Technical Machine Tool Instructors
6-2336	Hugh G. Wales University of Illinois Urbana, Illinois	A Research and Developmental Program for Training in Micro-Precision Skills
6-2355 ED 021 556 MF: 50¢ HC: \$4.16 6-2357	Peter G. Meek National Health Council New York, New York	American Association of Junior Colleges - National Health Council Committee on Health Technology Education
	William F. Lawrence State University of New York Plattsburgh, New York	Planning to Accomplish Research and Program Development Tasks for an Experimental Two-Year Vocational-Technical Community College



Project Number,  
ED Number and  
Price

Principal Investigator  
and Institution

Title

6-2437

Lewis E. Wall  
Colorado State University  
Fort Collins, Colorado

A Study of the Effectiveness of  
Federally Supported Business Data  
Processing Summer Institutes

6-2444

Forbes W. Polliard  
Indianapolis Hospital Development  
Association  
Indianapolis, Indiana

Feasibility of a Systematic Study  
of Manpower Requirements and  
Educational and Training Programs  
of Selected Health Occupations

6-2652

A. R. Baralt, Jr.  
University of Detroit  
Detroit, Michigan

Pilot Vocational Teacher Training  
Institute in Dental Assisting,  
Summer 1966

ED 011 052

MF: 25¢

HC: \$1.88

6-2653

Roger E. Barton  
University of North Carolina  
Chapel Hill, North Carolina

Pilot Vocational Teacher Training  
Institute in Dental Assisting,  
Summer 1966

ED 010 334

MF: 50¢

HC: \$3.16

6-2662

Howard Sidney  
Agricultural and Technical College  
State University of New York  
Cobleskill, New York

A Training Institute for Teachers  
of Technical Programs in Agriculture.

ED 010 335

MF: 50¢

HC: \$3.44

6-2664

Grace L. Nangle  
State Department of Education  
Boston, Massachusetts

A Conference on New Educational  
Curricula for Sub-Professional  
Personnel in the Health Services

6-2840

J. M. Cummings  
New Jersey State Department of  
Education  
Trenton, New Jersey

Development of Multi-Media Programmed  
Instructional Materials for the  
Training of Law Enforcement Officers

Project Number, FI Number, and Price	Principal Investigator and Institution	Title
6-2851	William J. Schill University of Illinois Urbana, Illinois	Work - Study Programs; Conduct and Consequences
6-3003	J. K. Little and others University of Wisconsin Madison, Wisconsin	An Evaluation of Effectiveness of Vocational and Technical Education in the United States
6-8254 ED 011 971 MF: 75¢ HC: \$6.04	Alexander Schure New York Institute of Technology Old Westbury, L. I., New York	Preliminary Investigation of Communication-Linked Techniques for Off-Campus Teaching of Vocational and Technical Subjects
6-8255 ED 011 972 MF: 25¢ HC: \$1.96	George S. Whitney American Technical Education Association, Inc. Delmar, New York	The Development and Testing of Instruments and Procedures for a Study of Student Selection Practices in Technical Education Programs
6-8302	Milo E. Van Hall Agricultural and Technical College Alfred, New York	A Comprehensive Project to Develop a Complete Curriculum in the Area of Medical Records Technician
6-8303 ED 010 075 MF: 25¢ HC: 56¢	Milo E. Van Hall State University of New York Alfred, New York	Conference on Methods of Increasing Student Achievement in Technical Preparatory Programs
6-8320 ED 017 722 MF: 75¢ HC: \$6.12	Arthur K. Jensen Clemson University Clemson, South Carolina	An Improved Procedure for Producing Overhead Transparencies for Vocational Education

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
6-8327 ED 019 477 MF: 50¢ HC: \$3.28	Wilmot F. Oliver Rutgers - The State University New Brunswick, New Jersey	An Evaluation of Information Feedback Effectiveness with Teachers
6-8420 ED 013 644 MF: 25¢ HC: \$1.96	John Warren Hekanson University of California Berkeley, California	Individual Characteristics and Their Relationship to Achievement in Junior College Vocational Students
6-8498 ED 014 569 MF: \$1.00 HC: \$8.88	Ernest H. Dean Utah Trade-Technical Institute Provo, Utah	Implications of Vocational Education for Plant Site Location
6-8590 ED 015 302 MF: 50¢ HC: \$3.72	Richard J. Vasek Mississippi State University State College, Mississippi	Analysis of Electronic Technology Curriculum Content in Public Post High School Technical Institutes and Employer Requirements
6-8810	Ronald K. Edwards Michigan State University East Lansing, Michigan	Effects of Mechanically Forcing of Copying Speeds on the Learning of Elementary Gregg Shorthand
7-0074	John L. Feirer Western Michigan University Kalamazoo, Michigan	Development of Junior-Community College Curricula for Future Teachers of Industrial Education
7-0048	Leland L. Madaker University of California Berkeley, California	Problems and Issues in Accreditation by Specialized Agencies of Vocational- Technical Curricula in Post Secondary Institutions

-12-

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
7-0095	Edith Lynton National Committee on Employment of Youth New York, New York	Concepts and Practices in the Education, Training and Utili- zation of Subprofessional Workers
7-0192	Randy H. Hamilton Institute for Local Self Government Berkeley, California	Municipalities as a Model for New Careers and Re-Direction of Vocational-Technical Education Programs
7-0313	J. Paschal Tryman and James Potchen Technical Education Research Center, Inc. Waco, Texas	Development of Career Opportunities for Technicians in the Nuclear Medical Field
7-0329	Dietrich Reitzes YMCA of Metropolitan Chicago Chicago, Illinois	Social Service Aide Project for the Education and Training of Subprofessionals
7-0382	Ruth J. Dales and Anne G. Buils Florida State University Tallahassee, Florida	Institute on Post-High School Programs in Home Economics Educa- tion Utilizing the Resource Guide Care and Guidance of Children
7-0435 ED 016 859 MF: \$1.25 MG: \$12.00	Alex G. Morphonios Miami-Dade Junior College Miami, Florida	Computer-Aided Drafting and Design - Summer Institute
7-0452	Aaron J. Miller Ohio State University Columbus, Ohio	Program Development Institutes in Technical Education

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
7-0463	L. C. Alexander Marquette University Milwaukee, Wisconsin	Teacher Training Institute in Dental Assisting
7-0528 ED 017 729 MF: 75¢ HC: \$5.56	Joseph Arnold Purdue University West Lafayette, Indiana	A Summer Institute for the Improvement of Technical Teacher Education Programs
7-0544	Carl F. Lamar University of Kentucky Lexington, Kentucky	A Clinical Workshop in Mental Health and Psychiatric Nursing for Instructors in Schools of Practical Nursing
7-0558	H. E. Davis Georgia State College Atlanta, Georgia	A Two-Week Institute to Improve and Develop Content, Format and Procedures for Vocational and Technical Education Public Information Programs
7-0635	R. W. Coon National Committee for Careers in Medical Technology Washington, D.C.	Medical Laboratory Assistant Teacher Education Institute - Pilot Program
7-0654	Doris L. Berryman New York University New York, N.Y.	Development of Educational Programs for New Careers in Recreation Services for the Disabled
7-0658 ED 016 112 MF: 50¢ HC: \$4.52	J. Clark Davis University of Nevada Reno, Nevada	Materials and Structural Design Seminar (An Overview for Vocational School Facility Planning)

Project Number, ED Number, and Price

Principal Investigator and Institution

Title

7-0773

Ralph E. Bender  
Ohio State University  
Columbus, Ohio

Agricultural Occupations Program  
Development in Area Vocational  
Schools

7-0822

Francis Tuttle  
State Board for Vocational Education  
Stillwater, Oklahoma

Summer Institute to Train Data  
Processing Teachers for the New  
Oklahoma State-Wide Computer  
Science System - Phase II

7-0973

Roy W. Dugger and  
Edmond P. Garvey  
Technical Education Research  
Center, Inc.  
Waco, Texas

Development and Evaluation of  
Educational Programs in Bio-  
Medical Equipment Technology

7-1059

John W. Sullivan  
Association for Educational Data  
Systems  
Washington, D.C.

The Relationship of ADP Training  
Curriculum and Methodology in  
the Federal Government

7-8021  
ED 016 129  
MF: 50¢  
HC: \$2.40

Karl B. Schnelle, Jr.  
Instrument Society of America  
Pittsburgh, Pennsylvania

An Evaluation of a Summer Training  
Program for Instructors of  
Instrumentation Technology

7-8374

Edward Jakabauskas  
Iowa State University  
Ames, Iowa

Demonstration of Research-Conference  
Procedures for Estimating Health Man-  
power Requirements and in Evaluating  
Educational and Training Programs  
for Selected Health Occupations in  
Non-Metropolitan Areas

7-9000

D. G. Lewis  
General Learning Corporation  
Washington, D.C.

A Feasibility Study of a Central  
Computer Facility for an Educational  
System



<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
7-9001	J. L. Stone International Business Machines Corporation Washington, D.C.	Feasibility Study for a Remote- Terminal, Centralized Computer System
8-0008	Howard Sidney Agricultural and Technical College Cobleskill, New York	Methods of Teaching Agricultural Occupations in Community Colleges and Area Vocational Schools
8-0042	James D. Piper Portland Cement Association Chicago, Illinois	Development and Evaluation of a Concrete Technology Curriculum (Phase I)
8-0219	Maurice W. Roney Technical Education Research Center, Inc. Waco, Texas	Development and Evaluation of Educational Programs in Electro- Mechanical Technology
8-0301	James H. Strau'el The Aerospace Education Foundation Washington, D.C.	The Evaluation of Three U.S. Air Force Instructional Systems Within Civilian Education
8-0384	Aaron J. Miller Ohio State University Columbus, Ohio	National Program Development Institutes in Technical Education
8-0446	Alexander Schure New York Institute of Technology Old Westbury, L. I., New York	Development of a Multi-Media Course in Physics for the U.S. Naval Academy

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
8-0447	J. Sterling Livingston Sterling Institute Washington, D.C.	Development of a Multi-Media Course in Economics for the U.S. Naval Academy
8-0448	Donald T. Tosti Westinghouse Learning Corporation Bladensburg, Maryland	Development of a Multi-Media Course in Leadership for the U.S. Naval Academy
8-0460	Lewis D. Holloway University of Iowa Iowa City, Iowa	Teacher Education Institute for New Health Occupations Education Teachers
8-0491	Roy W. Dugger Technical Education Research Center, Inc. Waco, Texas	Development of Generalizable Educational Programs in Laser and Electro-Optical Technology
8-0556	George Parkinson Milwaukee Technical College Milwaukee, Wisconsin	Evaluation of Residential Schools and Essential Factors which Contribute to Their Operation
8-0627	Melvin L. Barlow University of California Los Angeles, California	Development and Validation of Instructional Programs for the Allied Health Occupations
8-0688	Anna L. Hyer National Education Association Washington, D.C.	Manpower and Instructional Media: A Study of Jobs, Personnel, and Training

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
8-0714	Cleveland L. Dennard Washington Technical Institute Washington, D. C.	Individualized Youth Education for Careers in Criminal Justice
8-0715	J. Douglas Grant New Careers Development Organization Oakland, California	Development of New Careers Ladders, with Appropriate Education Components, in the Administration of Justice
8-8018	James H. Straubel Aerospace Education Foundation Washington, D. C.	Feasibility of Adapting Thruo Air Force Courses for Civilian Use
8-8052	Eli E. Cohen National Committee on Employment for Youth New York, New York	A Project for Abstracting and Popularizing "The Subprofessional: From Concepts to Careers"
3-9011	Herbert S. Bright Computation Planning Inc. Bethesda, Maryland	A Single Integrated Central Computer System for Secondary and Junior College Institutions

1.

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
Office of Education  
Bureau of Research  
Division of Comprehensive and Vocational Education Research (DCVER)  
Washington, D. C. 20202

**I. FOUR YEARS OF RESEARCH, DEVELOPMENT, AND TRAINING**

DCVER Projects Completed Between July 1, 1964 and June 30, 1968

As of June 30, 1968, the projects on the attached list had been completed and the final reports on the projects had been delivered to the ERIC System.

If a project is identified only by a project number (for example: 5-0073), the final report is still being processed by the ERIC staff and is not yet available at the output end of the ERIC System.

If a project is identified both by a project number and by an ED number (for example: ED 010 013), the final report has been fully processed and is now available at the output end of the ERIC System. For such projects, the cost of a reproduced copy of the final report is shown, both for microfiche (MF) and hard copy (HC).

Orders for a reproduced copy of a final report should specify the ED number, should state whether microfiche or hard copy is desired, should be accompanied by payment, and should be addressed to:

ERIC Document Reproduction Service  
The National Cash Register Company  
4936 Fairmont Avenue  
Bethesda, Maryland 20014

Final reports which, as of June 30, 1968, were still being processed by the ERIC staff will be cited in future issues of Research in Education, a monthly abstract journal published and distributed by the U. S. Government Printing Office. The citation will specify the ED number and price. Citation in Research in Education will serve as an announcement that a final report has become available at the output end of the ERIC System.

5 .

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
Office of Education  
Bureau of Research  
Division of Comprehensive and Vocational Education Research (DCVR)  
Washington, D.C. 20202

IV - DCVR Projects Related to Curriculum Development

During the period from July 1, 1964 to June 30, 1968, DCVR initiated a total of 76 projects related to curriculum development. These projects are itemized on the attached list.

If a project is identified only by a project number (for example: 5-0126), the project activities are still underway and, of course, the final report is not yet available from the ERIC System.

If a project is identified both by a project number and by an ED number (for example: ED 016 974) the project activities have been completed and the final report is now available at the output end of the ERIC System. For such projects, the cost of a reproduced copy of the final report is shown, both for microfiche (MF) and hard copy (HC).

Orders for a reproduced copy of a final report should specify the ED number, should state whether microfiche or hard copy is desired, should be accompanied by payment, and should be addressed to:

ERIC Document Reproduction Service  
The National Cash Register Company  
4936 Fairmont Avenue  
Bethesda, Maryland 20814

Projects which are still underway at the present time will, upon completion, be cited in future issues of Research in Education, a monthly abstract journal published and distributed by the U.S. Government Printing Office. The citation will specify the ED number and price of the final report. Citation in Research in Education will serve as an announcement that a project has been completed and that its final report has become available at the output end of the ERIC System.

Prepared: 5/19/69

SPECIAL ORDERING INSTRUCTIONS

Reproduced copies of final reports can be ordered either in "hard copy" or on microfiche. "EC" stands for hard copy, which is ready-to-read material reproduced page-by-page on special paper.

"MF" stands for microfiche, which is a reproduction of up to sixty original pages on a single sheet of 4 by 6 inch film. Microfiche readers, available from many manufacturers, are required to enlarge the microfiche images for reading purposes.

Reproduced copies of final reports cost 4 cents per page for hard copy or 25 cents per microfiche containing about 60 pages.

In ordering documents, the following information must be furnished:

The ED numbers of the desired documents (titles need not be furnished).

The type of reproduction desired--hard copy or microfiche.

The number of copies being ordered.

Payment must accompany orders totaling less than \$5. Add a special handling charge of 50 cents to any order which totals less than \$3. The ERIC Document Reproduction Service is registered to collect sales taxes and orders from States which have sales tax laws must include payment of the appropriate tax or include tax exemption certificates.

Foreign Orders: A 25-percent service charge, calculated to the nearest cent, must accompany orders from outside the United States, its territories, and possessions. This service charge is applicable to orders for microfiche (MF) and hard copy (EC).

All orders must be mailed to the following address:

ERIC Document Reproduction Service  
The National Cash Register Company  
4936 Fairmont Avenue  
Bethesda, Maryland 20014

DCVR PROJECTS RELATED TO CURRICULUM DEVELOPMENT

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
5-0005	Harry A. Becker Norwalk Board of Education Norwalk, Conn.	A Pilot Project to Develop a Program of Occupational Training for School Alienated Youth
5-0009	F. Coit Butler American Institute for Research Pittsburgh, Pa.	Development and Evaluation of an Experimental Curriculum for the New Quincy (Mass.) Vocational- Technical School
5-0022	Gene M. Love Pennsylvania State University University Park, Pa.	Development and Evaluation of Instructional Units in Ornamental Nursery, Floriculture and Turf Occupations for the Northwestern United States
5-0026 ED 010 019 MF: 25¢ HC: \$2.16	June Cosine Oklahoma State University Stillwater, Okla.	Approaches in Assessing Needs for, Content of, and Factors to Consider in Offering Home Economics Courses for Gainful Employment
5-0031 ED 010497 MF: 50¢ HC: \$4.12	Robert E. Taylor The Ohio State University Columbus, Ohio	Improvement of Curricula for Teaching Non-Farm Agricultural Occupations

Project Number,  
ED Number, and  
Price

Principal Investigator  
and Institution

Title

5-0037  
ED 016 850  
MF: 75¢  
HC: \$5.36

William F. Stover  
Ohio Trade and Industrial  
Education Service  
Columbus, Ohio

Using the Printing Trade as a Pilot  
Area for the Development of a National  
Vocational-Technical School Achievement  
Testing Program

5-0042  
ED 015 271  
MF: \$1.50  
HC: \$16.16

H.R. Beardon  
Texas A&M University  
College Station, Texas

Technical Training for Industrial  
Radiographers

5-0059  
ED 013 949  
MF: 25¢  
HC: \$1.62

Edward R. Towers  
Ohio State University  
Columbus, Ohio

An Industrial Arts Curriculum Project  
for the Junior High School

5-0061  
ED 017 689  
MF: 50¢  
HC: \$4.76

John Dailey  
The George Washington University  
Washington, D.C.

Development of a Curriculum and  
Materials for Teaching Basic  
Vocational Talents

5-0063  
ED 016 075  
MF: 25¢  
HC: \$2.00

Elliott D. Becker  
School District 549C  
Medford, Oregon

Revised Instructional Program for  
"Slow Learners" to Improve Their  
Job Placement

5-0071

W. Stone  
State University of N.Y.  
Delhi, N.Y.

Developmental Program in Animal  
Science

5-0090  
ED 010 368  
MF: 25¢  
HC: \$1.80

Elizabeth Simpson  
University of Illinois  
Urbana, Illinois

The Classification of Education  
Objectives, Psychomotor Domain



<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
5-0115	Lloyd Benham Hudson Public Schools Hudson, Ohio	Experimental and Developmental Study of a Four-Year Comprehensive Vocational Education Program
5-0129	Margaret McKinley and Hester Chadderdon Iowa State University Ames, Iowa	Curriculum Development and Training Program for Food Service Employees
5-0158 ED 012 372 MF: 50¢ HC: \$3.96	Maurice W. Roney Oklahoma State University Stillwater, Okla	Development of Curriculum Guide in Electro-Mechanical Technology
5-0161 ED 022 911 MF: 75¢ HC: \$6.40	Harold R. Cushman Cornell University Ithaca, N.Y.	The Development and Improvement of Directed Work-Experience Programs in Expanded Vocational Education Offerings in Agriculture at the Secondary Level
5-0163 ED 023 207 MF: 25¢ HC: \$1.35	Marvin C. Groelle Oakland Unified School District Oakland, Calif.	A Pilot Project in Curriculum Development for "Work Experience" and "Occupations" Courses for Educable Mentally Retarded Students
5-0165 ED 013 122 MF: 50¢ HC: \$4.92	Naomi LeB. Naylor Southern Illinois University Edwardsville, Ill.	Curriculum Development Program for Preschool Teacher Aides
5-0166	Lucy Crawford Virginia Polytechnic Institute Blacksburg, Va.	A Competency Pattern Approach to Curriculum Construction in Distributive Teacher Education

Project Number,  
ED Number, and  
Price

5-0171

ED O10 161

MF: 75¢

HC: \$6.44

John L. O'Brian  
Rutgers, The State University  
New Brunswick, N. J.

Title

The Development of a Master Teacher  
Training Curriculum for Teachers of  
Occupational Level Training Programs

5-0175

ED O16 845

MF: 75¢

HC \$6.48

Austin E. Frisbane  
Technical Education Research Center  
Cambridge, Mass.

Development of a Curriculum Guide for  
Bio-Medical Equipment Technology

5-0183

ED O10 301

MF: 75¢

HC: \$5.40

Donald Maley  
University of Maryland  
College Park, Md.

An Investigation and Development of the  
Cluster Concept as a Program in  
Vocational Education at the Secondary  
School Level

5-0188

ED O20 439

MF: \$1.25

HC: \$12.34

J. N. Swanson  
University of Colorado  
Boulder, Colo.

Scientific Secretary Training Program  
Development

5-0189

David Allen  
University of California  
Los Angeles, Calif.

A Study of the Aviation Mechanics  
Occupation

5-0191

Robert A. Walker  
Minneapolis Rehabilitation  
Center, Inc.  
Minneapolis, Minn.

The Development of Specialized  
Educational Programs for Poor  
Learners for Use in Non-Educational  
Settings

5-0192

ED O10 014

MF: 25¢

HC: \$1.64

Don D. Bushnell  
Brooks Foundation  
Santa Barbara, Calif.

The Development and Evaluation of  
Educational Systems Packages for the  
Occupational Training of Depressed Area  
Students in Five Basic Subject Areas

Project Number  
ED Number, and  
Price

Principal Investigator  
and Institution

Title

5-0749 :	Lassar G. Gotkin New York Medical College New York, N. Y.	The Development of a Beginning Reading Skills Program
5-1203 ED 022 056 MF: \$2.25 HC: \$24.52	Robert L. Darcey Ohio University Athens, Ohio	An Experimental Junior High School Course in Occupational Opportunities and Labor Market Processes
5-1316 ED 016 073 MF 75¢ HC \$6.68	Hilda Watson Gifford Council on Hotel, Restaurant and Institutional Education Ithaca, N. Y.	Status of Curriculum Development in the Field of Commercial Foods on the Non-Baccalaureate Degree Level
5-1319	Thomas S. Baldwin University of Illinois Urbana, Illinois	The Development of Aptitude and Achievement Measure for Trade and Technical Education
5-1327	Charles E. Peck University of Washington Seattle, Wash.	Survey to Determine Appropriate Occupational Training Programs in the Field of Distribution and Marketing at Various Levels of Education
5-1335	G. E. Henderson University of Georgia Athens, Ga.	The Development and Evaluation of Teaching Texts: "Operation, Maintenance, and Repair of Air Cooled Gasoline Engines"
5-1336 ED 012 830 MF: 20¢ HC: \$4.64	Manuel Stillerman Bronx Community College Bronx, New York	Operation Giant Step: Research in a New Remedial Program and Community College Industrial Technology Curriculum For the Disadvantaged

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
5-8267 ED 003 851 MF: 09¢ HC: \$1.00	Raymond B. Russell Kansas State Teachers College Emporia, Kansas	Development of a Programmed Test in Salesmanship for Feasibility Testing
5-8271 ED 022 022 MF: 75¢ HC: \$5.44	Kay M. Howell Michigan State University Lansing, Michigan	Teaching Vocational and Citizenship Education in Social Studies
5-8277 ED 010 256 MF: 50¢ HC: \$4.40	Ratsy McMurtrie San Francisco State College San Francisco, Calif.	Development and Evaluation of a One-Semester Stenographic Course: Phase One of a Two-Phase Program
5-8371 ED 016 064 MF: 75¢ HC: \$5.60	Joseph P. Arnold Purdue University Lafayette, Ind.	A Study of Recommendations for Technical Education Curricula
5-8398 ED 010 190 MF: 75¢ HC: \$6.86	Bill J. Fullerton Arizona State University Tempe, Ariz.	The Identification of Common Courses in Paramedical Education
6-1458 ED 024 763 MF: 75¢ HC: \$8.95	E. Smith and Others Florida State University Tallahassee, Florida	The Development of Pre-Vocational Education Literacy Courses for Use with Computer-Assisted Instruction of Disadvantaged Youths and Adults
6-1484 ED 010 420 MF: 50¢ HC: \$3.28	Frank Evans Negro American Labor Council Cleveland, Ohio	A Curriculum Development Study of the Effectiveness of Up-Grading the Technical Skills of Educationally Disadvantaged Union Members

<u>Project ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
6-1489 ED C22 926 MF: 50¢ HC: \$4.68	Douglas M. Fellows Ward Technical Institute Hartford, Conn.	Experimental Curriculum for Electro-Mechanical Technicians in Computer and Business Machines Technology
6-1659 ED O23 913 MF: 50¢ HC: \$5.10	Meredith Crawford George Washington University Washington, D.C.	The Design and Evaluation of Vocational-Technical Education Curriculum Through Functional Job Analysis
6-2159 ED O11 974 MF: 25¢ HC: \$2.28	Stephen A. Konz Kansas State University Manhattan, Kansas	Work Instruction Programs for Food Industry
6-2166	David F. Shontz and Andreas Holmsen University of Rhode Island Kingston, R.I.	A Vocational Technical Institute Developmental Program for Commercial Fisheries
6-2238	Louis W. Kleino New Mexico State University University Park, N.M.	Development and Testing of an Experimental Mobile Instructional Facility for Applied Courses in Engineering Technology
6-2312 ED O16 841 MF: \$1.25 HC: \$12.82	Donald Maley University of Maryland College Park, Md.	The Preparation of Curriculum Materials and Development of Teachers for an Experimental Application of the Cluster Concept of Vocational Education at the Secondary Level
6-2336 ED O22 927 MF: \$1.00 HC: \$10.18	Hugh C. Walos University of Illinois Urbana, Ill.	A Research and Development Program for Training in Micro-Precision Skills

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
6-2355	Carol Kahlor National Health Council New York, N.Y.	Investigation to Produce Guidelines for Health Technology Program Planning
6-2664	Grace Nangle State Department of Education Boston, Mass.	A Conference on New Educational Curricula for Sub-Professional Personnel in Health Services
6-2777	Donald D. Buchnell Brooks Foundation Santa Barbara, Calif.	The Production and Validation of Education Systems Packages for Occupational Training of Depressed Area Students
6-2840	John M. Cummings State Department of Education Trenton, N.J.	Development of Multi-Media Programmed Instructional Materials for the Training of Law Enforcement Officers
6-8302 ED 024 779 MF: 50¢	Robert Cove State University of New York Alfred, N.Y.	A Comprehensive Project to Develop a Complete Curriculum in the Area of Medical Records Technician
6-8763 ED 014 552 MF: 75¢ HC: \$7.32	Richard Barker Ohio State University Columbus, Ohio	Development and Evaluation of Instructional Units for Teaching Profit-Maximizing Principles in Vocational Agriculture
7-0074	John L. Feirer Western Michigan University Kalamazoo, Mich.	Development of Junior-Community College Curricula for Future Teachers of Industrial Education
7-0211	Peter G. Haines Michigan State University East Lansing, Mich.	Continuation of a Developmental Vocational Education Research and Teacher Education Program Based on a Clinical Concept

Project Number,  
ED Number, and  
Price

7-0655

Wallace W. Douglas  
Northwestern University  
Evanston, Illinois

Principal Investigator  
and Institution

Title

English Curriculum Study and  
Dissemination Center

7-0758

Edgar Person  
University of Minnesota  
Minneapolis, Minn.

Development and Demonstration of  
Innovations in Adult Agricultural  
Education

7-0773

Ralph Bender  
Ohio State University  
Columbus, Ohio

Agricultural Occupations Program  
Development in Area Vocational Schools

7-0853

Donald Maley  
University of Maryland  
College Park, Md.

Implementation and Further  
Development of Experimental Cluster  
Concept

7-0973

Roy W. Dugger  
Technical Education Center, Inc.  
Waco, Texas

Development and Evaluation of  
Educational Programs in Bio-Medical  
Equipment Technology

7-1223

F. Harry Huffman  
Ohio State University  
Columbus, Ohio

A Planning Study to Determine the  
Feasibility of Developing a New  
Business and Office Education  
Curriculum

7-1323

Rowan C. Stutz  
Western States Small School  
Project  
Salt Lake City, Utah

Development and Evaluation of  
Experimental Integrated Career  
Development Curricula for Isolated  
Small Schools

8-0042

Howard C. Wachman  
Portland Cement Association  
Chicago, Ill.

Development of Course Content and  
Teaching Guides for a Total  
Curriculum in Concrete Technology

8-0157

Alexander Schure  
N.Y. Institute of Technology  
New York, N.Y.

A Computer Managed System for  
Individualizing and Optimizing  
Education

Project Number, ED Number, and Price

Principal Investigator and Institution

Title

10

8-0219	Roy W. Dugger Technical Education Research Center, Inc. Waco, Texas	Development and Evaluation of Education Programs in Electro- Mechanical Technology
8-0301	James H. Strobot Aerospace Education Foundation 1750 Pennsylvania Avenue, N.W. Washington, D.C.	The Evaluation of Three U.S. Air Force Instructional Systems within Civilian Education
8-0334	Druce W. Tuckman Rutgers-The State University New Brunswick, N.J.	Study of Curriculum for Occupational Preparation
8-0414	Frank W. Lanham Ohio State University Columbus, Ohio	Development of Performance Goals for a New Office and Business Education Learning System
8-0446	Alexander Schuro New York Institute of Technology New York, N.Y.	Development of a Multi-Media Course in Physics for the U.S. Naval Academy
8-0447	J. Sterling Livingston Sterling Institute Washington, D.C.	Development of a Multi-Media Course in Economics for the U.S. Naval Academy
8-0448	Donald T. Tosti Westinghouse Learning Corp. Bladensburg, Md.	Development of a Multi-Media Course in Leadership for the U.S. Naval Academy
8-0457	Alan F. Westman Columbia University Teachers College New York, N.Y.	Development of Objectives for Citizenship Education
8-0627	Malvin L. Barlow University of California Los Angeles, Calif.	Development and Evaluation of Instructional Programs for Allied Health Occupations



Project Number,  
ED Number, and  
Price

Principal Investigator  
and Institution

Title

8-0653

Marilyn Wondt  
Bloomfield Hills, Michigan,  
School District  
Bloomfield Hills, Mich.

A Study to Design, Develop, Implement,  
and Revise Specific Measurable  
Performance Objectives to Serve as a  
Model to Individualized Instruction  
For Secondary Schools

8-0714

Cleveland L. Dennard  
Washington Technical Institute  
Washington, D.C.

Individualized Youth Education for  
Careers in Criminal Justice

8-8018

James H. Straubel  
Aerospace Education Foundation  
Washington, D.C.

Feasibility of Adapting Three Air  
Force Courses for Civilian Use

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
Office of Education  
Bureau of Research

Division of Comprehensive and Vocational Education Research (DCVR)  
Washington, D.C. 20202

DCVR Projects Related to the DISADVANTAGED

During the period from July 1, 1964, to June 30, 1968, DCVR initiated a total of fifty-four projects related to the disadvantaged. These projects are itemized on the attached list.

If a project is identified only by a project number (for example: 5-0126), the project activities are still underway and, of course, the final report is not yet available from the ERIC System.

If a project is identified both by a project number and by an ED number (for example: ED 016 074), the project activities have been completed and the final report is now available at the output end of the ERIC System. For such projects, the cost of a reproduced copy of the final report is shown, both for microfiche (MF) and hard copy (HC).

Orders for a reproduced copy of a final report should specify the ED number, should state whether microfiche or hard copy is desired, should be accompanied by payment, and should be addressed to:

ERIC Document Reproduction Service  
The National Cash Register Company  
4936 Fairmont Avenue  
Bethesda, Maryland 20014

Projects which are still underway at the present time will, upon completion, be cited in future issues of Research in Education, a monthly abstract journal published and distributed by the U.S. Government Printing Office. The citation will specify the ED number and price of the final report. Citation in Research in Education will serve as an announcement that a project has been completed and that its final report has become available at the output end of the ERIC System.

### SPECIAL ORDERING INSTRUCTIONS

Reproduced copies of final reports can be ordered either in "hard copy" or on microfiche. "HC" stands for hard copy, which is ready-to-read material reproduced page-by-page on special paper.

"MF" stands for microfiche, which is a reproduction of up to sixty original pages on a single sheet of 4 by 6 inch film. Microfiche readers, available from many manufacturers, are required to enlarge the microfiche images for reading purposes.

Reproduced copies of final reports cost 4 cents per page for hard copy or 25 cents per microfiche containing about 50 pages.

In ordering documents, the following information must be furnished:

The ED numbers of the desired documents (titles need not be furnished).

The type of reproduction desired--hard copy or microfiche.

The number of copies being ordered.

Payment must accompany orders totaling less than \$5. Add a special handling charge of 50 cents to any order which totals less than \$3. The ERIC Document Reproduction Service is registered to collect sales taxes and orders from States which have sales tax laws must include payment of the appropriate tax or include tax exemption certificates.

Foreign Orders: A 25-percent service charge, calculated to the nearest cent, must accompany orders from outside the United States, its territories, and possessions. This service charge is applicable to orders for microfiche (MF) and hard copy (HC).

All orders must be mailed to the following address:

ERIC Document Reproduction Service  
The National Cash Register Company  
4936 Fairmont Avenue  
Bethesda, Maryland 20014

DCVR PROJECTS RELATED TO THE DISADVANTAGED

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
5-0006	Theodore K. Steele New York Institute of Technology New York City	Experimental Program for Training and Re-Training of Older Workers, Unemployed Youths, and Disadvantaged Sections of the Population
5-0050	Nicholas H. Borata Dade County Public Schools Miami, Florida	Learning Laboratory to Teach Basic Skills in a Culturally Deprived Area
5-0057 ED 003 095 MF: \$1.00 HC: \$10.20	Paul M. Hodgson Delaware State Depart- ment of Public Instruction, Vocational Technical Division Dover	Teacher Education for Rural Low Achieving Disadvantaged Junior High School Students
5-0091 ED 010 069 MF: 75¢ HC: \$5.72	Grace M. Henderson Pennsylvania State University	Conference on Home Economics Program Development for Dis- advantaged Youth and Their Families
5-0124 ED 010 074 MF: 50¢ HC: \$2.72	Thomas J. Sweeney University of South Carolina, Columbia South Carolina	A Developmental Program for Vocational Counselors Directed Toward Serving Disadvantaged Youth More Effectively

Project Number,  
ED Number, and  
Price

Principal Investigator  
and Institution

Title

5-0125

Lloyd J. Phipps  
University of  
Illinois, Urbana

Improved Opportunities for  
Disadvantaged Youth Through  
Vocationally Oriented  
Education

5-0145

C. R. Jeffery  
Washington School  
of Psychiatry  
Washington, D.C.

Preparation of the Disad-  
vantaged for Vocational  
Training

ED 003 494  
MF: 50¢  
HC: \$3.48

5-0146

John Harp  
Cornell University  
Ithaca, New York

Post High School Migration and  
Vocational Choice Patterns of  
Students From an Economically  
Depressed Area

ED 011 970  
MF: 50¢  
HC: \$3.00

5-0156

Sara Blackwell  
Cornell University

Anxiety, Disorientation, and  
Isolation and Their Effects on  
Disadvantaged Youth in Upper  
New York State

5-0167  
ED 019 506  
MF: 50¢  
HC: \$4.80

Marjorie East  
Pennsylvania State  
University, University  
Park, Pennsylvania

An Experience with the Life and  
Work of the Disadvantaged for  
the Pre-service Education of  
Home Economics Teachers

5-0192  
ED 010 014  
MF: 25¢  
HC: \$1.64

Don D. Buehnell  
Brooks Foundation  
Santa Barbara,  
California

The Development and Evaluation  
of Educational Systems Packages  
for the Occupational Training of  
Depressed Area Students in Five  
Basic Subject Areas (Pilot Phase)

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
5-0197	Ruth Dales Florida State University Tallahassee, Florida	Factors Related to Educational and Occupational Aspirations of Early Adolescent Males from Culturally Deprived Families
5-0243	Paul Lawrence, Auxiliary Enterprises, Inc. California State College Hayward, California	Establishment of Three Centers to Improve the Preparation of Teachers of Culturally Disadvantaged Students, Emphasizing Technical Vocational Education
5-0866 ED 013 277 MF: 25¢ HC: 96¢	Henry S. Breitrose Stanford University	Production of a Motion Picture for the Inservice Training of Teachers in Problems of Human Relations in Teaching the Socioeconomically Disadvantaged
5-1006	Edgar C. Epps University of Michigan Ann Arbor, Michigan	Family and Achievement: A Proposal to Study the Effect of Family Socialization on Achievement Orientation and Performance Among Urban Negro Americans
5-1163 ED 016 791 MF: 75¢ HC: \$6.12	Robert L. Gibron Indiana University Foundation Bloomington, Indiana	A Comparison of Techniques for the Solution of Similar Educational-Vocational Problems of Disadvantaged Youth in Great Britain and the United States

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
5-1215 ED O10 181 MF: 75¢ HC: \$5.92	Lloyd J. Phipps University of Illinois Urbana, Illinois	A Study in Communication Between High School Teachers of Vocational Agriculture and Socioeconomically Disadvantaged Youth by Use of the Semantic Differential
5-1336 ED O12 830 MF: 50¢ HC: \$4.64	Manuel Stillerman Bronx Community College of the City University of New York Bronx, New York	An Experimental Program to Develop a New Junior College Level Curriculum in Industrial Technology for Disadvantaged Youths
6-1231	Harold Mandelsohn University of Denver Denver, Colorado	Utility of Educational Television in Meeting the Informational Needs of the Disadvantaged
6-1458	E. Smith, E. Hankin & T. Smith Florida State University Tallahassee, Florida	The Development of Pre-Vocational Education Literacy Courses for Use With Computer Assisted Instruction of Disadvantaged Youths and Adults
6-1484 ED O10 430 MF: 50¢ HC: \$3.28	Frank Evans Negro American Labor Council Cleveland, Ohio	A Curriculum Development Study of the Effectiveness of Up-Grading the Technical Skills of Educationally Disadvantaged Union Members

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
6-1936 ED 016 096 MF: 50¢ HC: \$4.28	P. G. Garrett University of Missouri Columbia, Missouri	Interdisciplinary Approach to Preparing Home Economics Leaders for Emerging Programs Serving Disadvantaged Youth and Adults
6-1831 ED 016 097 MF: \$8.98 HC: \$1.98	Donald A. Sommerfeld Muskegon City Public Schools Muskegon, Michigan	An Evaluation of Vocational Education for Disadvantaged Youth
6-8162 ED 015 225 MF: \$50¢ HC: \$2.60	Marcia Halvorsen Spelman College Atlanta, Georgia	An Analysis and Interpretation of Data on the Social Characteristics of Residents of "Vine City", an Urban Negro Slum.
6-2777	Donald D. Bushnell Brooks Foundation Santa Barbara, California	The Production and Validation of Education Systems Packages for Occupational Training of Depressed Area Students
5-0171 ED 010 161 MF: 75¢ HC: \$6.44	John L. O'Brian, Rutgers, The State University New Brunswick, New Jersey	The Development of a Master Teacher Training Curriculum for Teachers of Occupational Level Training Programs
5-0005	Harry A. Becker Norwalk Board of Education Norwalk, Connecticut	A Pilot Project to Develop a Program of Occupational Training for School Alienated Youth



<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
5-0003	Frank D. Sorenson Quincy Youth Development Commission and the Quincy Public Schools Quincy, Illinois	A Demonstration Training Program for Potential School Dropouts
5-0050	Nicholas Borota Central District Dade County Public Schools Miami, Florida	Learning Laboratory to Teach Basic Skills in a Culturally Deprived Area
5-0063 ED 016 075 MF: 25¢ HC: \$2.00	Elliott D. Becken School District 5490 Medford, Oregon	Revised Instructional Programs for "Slow Learners" to Improve Their Job Placement Opportunities
5-0114	Robert H. Zeller State Department of Public Instruction Springfield, Illinois	Use of a Mobile Vocational Guidance Unit--A Pilot Project
5-0187	Raymond V. Word Minneapolis Public Schools Minneapolis, Minnesota	A Pilot Study of a Work Opportunity Center
5-0196	R. L. Kahn University of Michigan Ann Arbor, Michigan	Study of Youth in High School, at Work and Unemployed
5-1170	Archibald O. Haller College of Agriculture University of Wisconsin Madison, Wisconsin	Development of Instruments to Measure the Relation Between Expectations of Others and Levels of Educational and Occupational Aspiration of Youth

Project Number,  
ED Number, and  
Price

5-1312

Principal Investigator  
and Institution

Winthrop R. Adkins  
Sidney Rosenberg  
Paul Sharax  
Timothy P. Dineen  
Training Resources for  
Youth, Inc.  
Brooklyn, New York

Title  
Project TRY

6-8902

Leland J. Winger  
Utah State Board for  
Vocational Education  
Salt Lake City, Utah

The Application of a Special  
Counseling Technique to  
Maladjusted Under-Achievers

6-2958

ED 010 620  
MF: 50¢  
HC: \$4.40

Harry Handler  
Los Angeles Unified School  
Los Angeles, California

Occupational Training Centers  
for 16-18 Year-Old Youth

6-8576

ED 016 095  
MF: 75¢  
HC: \$7.48

Robert J. Gregory  
Syracuse University  
Syracuse, New York

The Application for Employment  
and for Seeking Success among  
Educaable Mentally Retarded Youth

6-1136

Don A. Brown  
State University of New York

A Literacy Program for Adult  
Illiterates

6-8675

ED 016 156  
MF: 50¢  
HC: \$3.84

Edwin Smith  
Florida State University  
Tallahassee, Florida

A Proposal for a Pilot Study to  
Develop and Determine the Feasi-  
bility of a Packaged Materials  
Program for Teaching Reading and  
the General Development Area of  
Adult Basic Education

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
6-8902	Leland J. Winger State Board for Vocational Education Oquirrh School Project Salt Lake City, Utah	The Application of a Special Counseling Technique to Maladjusted Under-Achievers
7-0527	Carl Lamar University of Kentucky Lexington, Kentucky	Seminar for Supervisors and Teacher Educators for Persons with Special Needs
7-8456	David S. Coltrane North Carolina Governor's Good Neighbor Council	Raleigh-Durham Area Vocational Guidance Institute for Counselors of Minority Youth
8-0085	Robert Alan Rosenthal Harvard Graduate School of Education Cambridge, Massachusetts	Pathways to Identity: The Development of Aspirations and Values in Urban Negro Adolescents
8-8049	Allen Stewart The Bridge Warrenton, Virginia	Institute on Intercultural Understanding for Secondary School Teachers
6-3049	Julia Dalrymple The Ohio State University Columbus, Ohio	The Efficacy of Home Economics Courses Designed to Prepare Disadvantaged Pupils for their Homemaker-Family Member Role and the Dual Roles of Homemaker and Wage Earner-Part C

Project Number,  
ED Number, and  
Price

6-3050

Principal Investigator  
and Institution  
Helen Y. Nelson  
Cornell University  
Ithaca, New York

7-0006

Phyllis K. Lowe  
Purdue University  
Lafayette, Indiana

8-0714

Cleveland L. Dennard  
Washington Technical Institute  
Washington, D.C.

8-0748

Thomas F. Zuck  
Compton Union High School  
417 Alondra Blvd.  
Compton, California

8-0844

Thomas C. Rosica  
The School District of Philadelphia  
Philadelphia, Pennsylvania

8-0556

George A. Parkinson  
Milwaukee Technical College  
1015 North Sixth Street  
Milwaukee, Wisconsin 53203

Title

The Efficacy of Home Economics Courses Designed to Prepare Disadvantaged Pupils for their Homemaker-Family Member Role and the Dual Roles of Homemaker and Wage Earner-Part B

The Efficacy of Home Economics Courses Designed to Prepare Disadvantaged Pupils for their Homemaker-Family Member Role and the Dual Roles of Homemaker and Wage Earner-Part A

Individualized Youth Education for Careers in Criminal Justice

Development of a Curriculum Designed to Prepare Disadvantaged Persons of the Compton High School Area for Employment in Health Occupations

Summer Work-Study Program on Urban Problems for Secondary School Youth from Inner City Communities

Evaluation of Residential Schools and Essential Factors Which Contribute to their Operation

Project Number,  
ED Number, and  
Price

8-0686

Mr. William Waterman  
United Planning Organization  
1100 Vermont Avenue, NW.  
Washington, D.C.

8-0888

The Research Council of the Great  
Cities Program for School Improve-  
ment  
4433 West Touhy Avenue  
Chicago, Illinois

Principal Investigator  
and Institution

Title.

Neighborhood Youth Develop-  
ment Program

Pilot Program for Veterans  
in Public Service (VIPS)

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
Office of Education  
Bureau of Research  
Division of Comprehensive and Vocational Education Research (DCVR)  
Washington, D.C. 20202

VI DCVR Projects Related to Evaluation

During the period from July 1, 1964, to June 30, 1968, DCVR initiated a total of 48 projects related to evaluation. These projects are itemized on the attached list.

If a project is identified only by a project number (for example: 5-0126), the project activities are still underway and, of course, the final report is not yet available from the ERIC System.

If a project is identified both by a project number and by an ED number (for example: ED 016 074), the project activities have been completed and the final report is now available at the output end of the ERIC System. For such projects, the cost of a reproduced copy of the final report is shown, both for microfiche (MF) and hard copy (HC).

Orders for a reproduced copy of a final report should specify the ED number, should state whether microfiche or hard copy is desired, should be accompanied by payment, and should be addressed to:

ERIC Document Reproduction Service  
The National Cash Register Company  
4936 Fairmont Avenue  
Bethesda, Maryland 20014

Projects which are still underway at the present time will, upon completion, be cited in future issues of Research in Education, a monthly abstract journal published and distributed by the U.S. Government Printing Office. The citation will specify the ED number and price of the final report. Citation in Research in Education will serve as an announcement that a project has been completed and that its final report has become available at the output end of the ERIC System.

10/1/68

### SPECIAL ORDERING INSTRUCTIONS

Reproduced copies of final reports can be ordered either in "hard copy" or on microfiche. "HC" stands for hard copy, which is ready-to-read material reproduced page-by-page on special paper.

"MF" stands for microfiche, which is a reproduction of up to sixty original pages on a single sheet of 4 by 6 inch film. Microfiche readers, available from many manufacturers, are required to enlarge the microfiche images for reading purposes.

Reproduced copies of final reports cost 4 cents per page for hard copy or 25 cents per microfiche containing about 60 pages.

In ordering documents, the following information must be furnished:

The ED numbers of the desired documents (titles need not be furnished).

The type of reproduction desired--hard copy or microfiche.

The number of copies being ordered.

Payment must accompany orders totaling less than \$5. Add a special handling charge of 50 cents to any order which totals less than \$3. The ERIC Document Reproduction Service is registered to collect sales taxes and orders from States which have sales tax laws must include payment of the appropriate tax or include tax exemption certificates.

Foreign Orders: A 25-percent service charge, calculated to the nearest cent, must accompany orders from outside the United States, its territories, and possessions. This service charge is applicable to orders for microfiche (MF) and hard copy (HC).

All orders must be mailed to the following address:

ERIC Document Reproduction Service  
The National Cash Register Company  
4936 Fairmont Avenue  
Bethesda, Maryland 20014

DCVR PROJECTS RELATED TO EVALUATION

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
5-0002 ED 010 013 MF: 50¢ HC: \$3.32	Roy W. Roberts University of Arkansas Fayetteville, Arkansas	Contribution of Vocational Education to Actual Occupations of Former Homemaking Students
5-0007 ED 010 495 MF: \$1.00 HC: \$10.24	Jacob Kaufman Pennsylvania State University University Park, Pennsylvania	Research, Development and Demon- stration in Adult Training and Retraining
5-0017	William G. Loomis State Department of Education Division of Community Colleges and Vocational Education Salem, Oregon	A System for Planning, Implementing and Evaluating Vocational Education
5-0060	Jacob Kaufman Pennsylvania State University University Park, Pennsylvania	An Experimental Program to Compare Education Versus Training for Young School Dropouts
5-0066 ED 003 491 MF: 75¢ HC: \$7.20	J. Kenneth Little University of Wisconsin Madison, Wisconsin	Conference on Occupational Data Requirements for Education
5-0069	John K. Coster University of Nebraska Lincoln, Nebraska	An Experimental Evaluation of Approaches to Preparing High School Students for Agricultural Occupations Other than Farming



Project Number, ED Number, and Price

Principal Investigator and Institution

Title

5-0085	David C. Bjorkquist Pennsylvania State University University Park, Pennsylvania	Effects of Field and Job Oriented Technical Retraining on Manpower Utilization of the Unemployed
5-0127 ED 010 011 MF: 25¢ HC: \$1.52	Harold A. Edgerton Performance Research, Inc. Washington, D.C.	Statistical Prediction of Train- ing Program Success
5-0172 ED 010 296 MF: 75¢ HC: \$5.32	Arthur J. Corazzini Princeton University Princeton, New Jersey	Economic Effects of Vocational Education in Worcester, Massachusetts
5-0177	Edgar A. Persons University of Minnesota Minneapolis, Minnesota	An Economic Study of the Invest- ment Effects of Education in Agriculture
5-0185 ED 010 642 MF: 50¢ HC: \$5.00	Bruce F. Davie Georgetown University Washington, D.C.	Vocational Education and Inter- governmental Relations in the Postwar Period
5-0208 ED 010 305 MF: 75¢ HC: \$6.12	Edward A. Podesta and Harry V. Kincaid Stanford Research Institute Stanford, California	Supply and Demand Factors Affecting Vocational Education Planning
5-0430 ED 003 102 MF: 75¢ HC: \$5.32	Earl R. Burrows Colorado State Department of Education Denver, Colorado	Analysis of Dropout Statistics in Selected Colorado School Districts

Project Number,  
ED Number, and  
Price

Principal Investigator  
and Institution

Title

5-1190

Jacob Kaufman  
Pennsylvania State University  
University Park, Pennsylvania

An Analysis of the Comparative  
Cost and Benefits of Vocational  
Versus Academic (High School)  
Education

5-1325

Mary Jean Bowman  
University of Chicago  
Chicago, Illinois

A Theoretical and Empirical  
Analysis of Vocational Prepara-  
tion in Japan

5-1333

Helen Nelson  
Cornell University  
Ithaca, New York

Evaluation of Student Teaching  
in Home Economics

5-1337

Harry V. Kincaid  
Stanford Research Institute  
Menlo Park, California

A Preliminary Evaluation of Pre-  
Technical Programs in Secondary  
Education

5-1363

John L. Coffey and  
E. E. Slowter  
Battelle Memorial Institute  
Columbus, Ohio

Evaluating the Efficiency and  
Effectiveness of Self-Instruc-  
tional Methods for Selected  
Areas of Vocational Education

ED 019 511

MF: \$1.00

HC: \$8.80

5-8268

Elisabeth N. Sutton  
Florida State University  
Tallahassee, Florida

Analysis of Research on Selected  
Aspects of Evaluation in Adult  
Education

ED 010 011

MF: 25¢

HC: \$1.52

5-8461

Laura Sharp  
Bureau of Social Science  
Research, Inc.  
Washington, D.C.

Identification and Evaluation  
of Research Information on  
Occupational Training and Its  
Results

ED 010 072

MF: 25¢

HC: \$1.68

5-8466

J. Chester Swanson  
University of California  
Berkeley, California

Identification and Development  
of Instruments for a Study of  
State Vocational-Technical Educa-  
tion Agencies and Their Influence  
upon Local Programs

ED 013 362

MF: 50¢

HC: \$3.00

<u>Proposal Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
6-1659	Meredith Crawford George Washington University Washington, D.C.	The Design and Evaluation of Vocational-Technical Education Curricula through Functional Job Analysis
6-1746	Roger S. Cannell and Arnold Kotz Stanford Research Institute Menlo Park, California	Conference on Planning and Programming of Vocational Education
6-1831 ED 016 097 MF: \$1.00 HC: \$8.56	Donald A. Sommerfeld Muskegon City Public Schools Muskegon, Michigan	An Evaluation of Vocational Education for Disadvantaged Youth
6-2414	Max W. Eninger American Institute for Research Pittsburgh, Pennsylvania	A National Survey: High School and Student Characteristics, and Their Relationships to the Occupa- tional and Post-High School Educa- tional Experiences of T&I Voca- tional Course Graduates
6-2437	Lewis E. Wall Colorado State University Fort Collins, Colorado	A Study of the Effectiveness of Federally Supported Business Data Processing Summer Institutes
6-3003	J. K. Little and Gerald G. Somers University of Wisconsin Madison, Wisconsin	An Evaluation of Effectiveness of Vocational Education and Technical Education in the United States
6-8087 ED 022 190 MF: 50¢ HC: \$2.52	Merle Ohlsen and J. Don Boney University of Illinois Urbana, Illinois	An Evaluation of a Counselor Education Program Designed for Prospective Elementary School Counselors Enrolled in 1965-66 NDEA Institute

Project Number,  
ED Number, and  
Price

Principal Investigator  
and Institution

Title

6-8224

W. L. Hansen and  
Burton Weisbrod  
University of Wisconsin  
Madison, Wisconsin

Seminar on the Economics of Educa-  
tion: Investment Decisions and  
Contributions to Income and Econo-  
mic Growth

6-8355

ED 016 083  
MF: 50¢  
HC: \$4.24

Bruce Tuckman  
Rutgers-The State University  
New Brunswick, New Jersey

The Development of Procedures  
for Evaluating Vocational Pilot  
Programs

6-8503

ED 018 524  
MF: 75¢  
HC: \$5.36

Sidney Rosenberg and  
Winthrop R. Adkins  
YMCA of Greater New York  
New York, New York

A Design for Action Research at  
Project TRY

6-8590

ED 015 302  
MF: 50¢  
HC: \$3.72

Richard J. Vasek  
Mississippi State University  
State College, Mississippi

A Comparative Analysis of Elec-  
tronic Content in Public Post-  
High Programs and the Technical  
Requirements of Industry

7-0048

Leland L. Madsker  
University of California  
Berkeley, California

Problems and Issues in Accredita-  
tion by Specialized Agencies of  
Vocational-Technical Curricula  
in Post Secondary Institutions

7-0968

Harold Byram  
Michigan State University  
East Lansing, Michigan

Five State Try Out and Demonstra-  
tion Program to Determine the  
Generalizability of an Evaluation  
System for Local Programs of Voc-  
ational and Technical Education

7-1327

Allen Lee  
Teaching Research Division  
Oregon State System of Higher  
Education  
Monmouth, Oregon

Improvement and Development of  
the Organization and Administra-  
tion of Vocational-Technical  
Education

Project Number, ED Number, and Price	Principal Investigator and Institution	Title
7-8921 ED 016 112 MF: 50¢ HC: \$4.52	Karl B. Schnelle, Jr. Instrument Society of America Pittsburgh, Pennsylvania	An Evaluation of a Summer Institute to Train Instructors of Instrumen- tation Technology
8-0066	Chester Swanson University of California Berkeley, California	Leadership Role, Functions, Pro- cedures and Administration of Vocational-Technical Education Agencies at the State Level
8-0158	Malcolm M. Provus Pittsburgh Public Schools Pittsburgh, Pennsylvania	Development and Validation of a Program Evaluation Model for a Large City School System
8-0234	Keith Goldhammer Oregon State University Corvallis, Oregon	An Analysis of the Research Coordinating Unit Program
8-0245	Fred C. Adams Western Association of Schools and Colleges Burlingame, California	Development of New Techniques and Procedures for Evaluating Elementary and Secondary Schools
8-0264	Herbert J. Kiesling Indiana University Bloomington, Indiana	A Study of Cost and Quality of New York School Districts
8-0301	James H. Straubel The Aerospace Education Foundation Washington, D.C.	The Evaluation of Three U. S. Air Force Instructional Systems Within Civilian Education

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
8-0348	Gary R. Smith Utah State University Logan, Utah	Workshop on Planning, Implementing and Evaluating Balanced Programs in Distributive Education
8-0367	Dr. Joseph H. McGivney The Center for Vocational and Technical Education The Ohio State University Columbus, Ohio	National Development Institute in Planning, Programming, and Budgeting Systems
8-0398	Dr. Allen Lee Oregon State System of Higher Education Monmouth, Oregon	Program Planning, Budgeting and Evaluation Institute
8-0481	Eaton H. Conant University of Oregon Eugene, Oregon	An Analysis of Comparative Costs and Benefits of Non-Pro- fessional Aide Programs in School Districts
8-8055	Ralph LoCasio New Jersey State Department of Education Trenton, New Jersey	Development of a Model Planning, Programming, and Budgeting System for Vocational Education at the State Level
ED 016 077 MF: 25¢ HC: 88¢	Bruce Davie Georgetown University Washington, D.C.	Using Benefit-Cost Analysis in Planning and Evaluating Vocational Education

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
Office of Education  
Bureau of Research  
Division of Comprehensive and Vocational Education Research (DCVR)  
Washington, D.C. 20202

VII DCVR Projects Related to the Health Occupations

During the period from July 1, 1964, to June 30, 1968, DCVR initiated a total of thirty-one projects related to the health occupations. These projects are itemized on the attached list.

If a project is identified only by a project number (for example: 5-0126), the project activities are still underway and, of course, the final report is not yet available from the ERIC System.

If a project is identified both by a project number and by an ED number (for example: ED 016 074), the project activities have been completed and the final report is now available at the output end of the ERIC System. For such projects, the cost of a reproduced copy of the final report is shown, both for microfiche (MF) and hard copy (HC).

Orders for a reproduced copy of a final report should specify the ED number, should state whether microfiche or hard copy is desired, should be accompanied by payment, and should be addressed to:

ERIC Document Reproduction Service  
The National Cash Register Company  
4936 Fairmont Avenue  
Bethesda, Maryland 20014

Projects which are still underway at the present time will, upon completion, be cited in future issues of Research in Education, a monthly abstract journal published and distributed by the U.S. Government Printing Office. The citation will specify the ED number and price of the final report. Citation in Research in Education will serve as an announcement that a project has been completed and that its final report has become available at the output end of the ERIC System.

SPECIAL ORDERING INSTRUCTIONS

Reproduced copies of final reports can be ordered either in "hard copy" or on microfiche. "HC" stands for hard copy, which is ready-to-read material reproduced page-by-page on special paper.

"MF" stands for microfiche, which is a reproduction of up to sixty original pages on a single sheet of 4 by 6 inch film. Microfiche readers, available from many manufacturers, are required to enlarge the microfiche images for reading purposes.

Reproduced copies of final reports cost 4 cents per page for hard copy or 25 cents per microfiche containing about 60 pages.

In ordering documents, the following information must be furnished:

The ED numbers of the desired documents (titles need not be furnished).

The type of reproduction desired--hard copy or microfiche.

The number of copies being ordered.

Payment must accompany orders totaling less than \$5. Add a special handling charge of 50 cents to any order which totals less than \$3. The ERIC Document Reproduction Service is registered to collect sales taxes and orders from States which have sales tax laws must include payment of the appropriate tax or include tax exemption certificates.

Foreign Orders: A 25-percent service charge, calculated to the nearest cent, must accompany orders from outside the United States, its territories, and possessions. This service charge is applicable to orders for microfiche (MF) and hard copy (HC).

All orders must be mailed to the following address:

ERIC Document Reproduction Service  
The National Cash Register Company  
4936 Fairmont Avenue  
Bethesda, Maryland 20014

3  
✓



DOVER PROJECTS RELATED TO THE HEALTH OCCUPATIONS

<u>Project Number, ED Number, and Price</u>	<u>Principal Investigator and Institution</u>	<u>Title</u>
5-0039	Barbara L. Tate National League for Nursing New York, New York	Identification of Characteristics of Practical Nursing Students For Use in Guidance and Selection
5-0126	Robert M. Tomlinson University of Illinois Urbana, Illinois	A Longitudinal Study of Practical Nursing
5-0175 ED 016 845 MF: 75¢ HC: \$6.48	Austin E. Friance Technical Education Research Center Cambridge, Massachusetts	Development of a Curriculum Guide in Bio-Medical Equipment
5-1318 ED 016 074 MF: 25¢ HC: 40¢	Alberta Jacoby Mental Health Film Board, Inc. New York, New York	Development of a Film for Inter- pretation and Training for Homo- makers Service
5-1328 ED 019 505 MF: 25¢ HC: 88¢	Robert E. Kinsinger The Board of Regents of the University of the State of New York Albany, New York	A Community College Health Careers Project to Develop and Strengthen Education of Health Service Technicians
5-8398 ED 010 190 MF: 75¢ HC: \$6.88	Bill J. Fullerton Arizona State University Tempe, Arizona	A Curriculum Development Program for a Paramedical Education Center

Project Number,  
ED Number, and  
Price

Title

Principal Investigator  
and Institution

6-1685 ED 013 361 MF: 50¢ HC: \$2.04	Francis Lindaman National Association for Mental Health New York, New York	Mental Health Association Staff Training Conference
6-2015 ED 019 508 MF: 50¢ HC: \$2.68	Louis J. Kishkunas Pittsburgh Board of Public Education Pittsburgh, Pennsylvania	Pittsburgh Technical Health Training Institute Demonstration Project
6-2129 ED 015 391 MF: 25¢ HC: \$2.16	Annie L. Crawford Southern Regional Education Board Atlanta, Georgia	Nursing for Professional Nurse Educators in Practical Nurse Schools
6-2193 ED 012 790 MF: \$1.00 HC: \$9.80	John P. Decker Arizona Health Services Education Association Phoenix, Arizona	A Functional Analysis of Paramedical Occupations as a Foundation for Curriculum Development
6-2209 ED 012 342 MF: \$1.00 HC: \$9.00	Philip W. Morgan United Hospital Funds of New York New York, New York	Guidance Counselor Institute for Health Careers
6-2355 ED 021 556 MF: 50¢ HC: \$4.16	Peter G. Meek National Health Council New York, New York	American Association of Junior Colleges-National Health Council Committee on Health Technology Education
6-2444 ED 016 079 MF: 50¢ HC: \$4.00	Forbes W. Polliard Indianapolis Hospital Development Association Indianapolis, Indiana	Feasibility of a Systematic Study of Manpower Requirements and Educational and Training Programs of Selected Health Occupations

Project Number,  
ED Number, and  
Price

6-2652  
ED O11 052  
MF: 25¢  
HC: \$1.88

6-2653  
ED O10 334  
MF: 50¢  
HC: \$3.16

6-2664

6-8302

7-0313

7-0463

7-0544

Principal Investigator  
and Institution

A. R. Baralt, Jr.  
University of Detroit  
Detroit, Michigan

Roger E. Barton  
University of North Carolina  
School of Dentistry  
Chapel Hill, North Carolina

Grace L. Nangle  
Massachusetts State Department  
of Education  
Boston, Massachusetts

Milo E. Van Hall  
Alfred Agricultural and  
Technical College  
State University of New York  
Alfred, New York

J. Paschal Twyman  
James Potchen  
Technical Education Research  
Center, Inc.  
Waco, Texas

L. C. Alexander  
Marquette University  
Milwaukee, Wisconsin

Carl F. Lamar  
University of Kentucky  
Lexington, Kentucky

Title

Pilot Vocational Teacher Training  
Institute in Dental Assisting,  
Summer 1966

Pilot Vocational Teacher Training  
Institute in Dental Assisting,  
Summer 1966

A Conference on New Educational  
Curricula for Sub-Professional  
Personnel in the Health Services

A Comprehensive Project to Develop  
a Complete Curriculum in the Area of  
Medical Records Technician

Development of Career Opportunities  
for Technicians in the Nuclear Medical  
Field

Teacher Training Institute in Dental  
Assisting

A Clinical Workshop in Mental Health  
and Psychiatric Nursing for Instructors  
in Schools of Practical Nursing

Project Number,  
ED Number, and  
Price

7-0635

ED O.I. 064

MF. 50¢

HC: \$4.44

7-0654

7-0973

7-8374

8-0056

8-0301

8-0408

Principal Investigator  
and Institution

R. W. Coon  
National Committee for Careers  
in Medical Technology  
Washington, D. C.

Doris L. Berryman  
New York University  
Washington Square  
New York, New York

Roy W. Dugger  
Edmund P. Garvey  
Technical Education Research  
Center, Inc.  
Waco, Texas

Edward Jakabauskas  
Iowa State University  
Ames, Iowa

Robert Nathan Associates, Inc.  
Washington, D. C.

James H. Straubel  
The Aerospace Education  
Foundation  
Washington, D.C.

Marie P. Meyer  
Rutgers - The State University  
New Brunswick, New Jersey

Title

Medical Laboratory Assistant Teacher  
Education Institute - Pilot Program

Development of Educational Programs  
for New Careers in Recreation Services  
for the Disabled

Development and Evaluation of  
Educational Programs in Bio-Medical  
Equipment Technology

Demonstration of Research-Conference  
Procedures for Estimating Health  
Manpower Requirements and in Evaluating  
Educational and Training Programs for  
Selected Health Occupations in  
Non-Metropolitan Areas

Study of the Transferability of  
Military Trained Medical Personnel  
to the Civilian Sector

The Evaluation of Three U.S. Air  
Force Instructional Systems Within  
Civilian Education

Workshop on Program Development for  
Training Homemaker-Home Health Aides

Project Number,  
ED Number, and  
Price

Principal Investigator  
and Institution

Title

8-0460

Lewis D. Holloway  
The University of Iowa  
Iowa City, Iowa

Teacher Education Institute for New  
Health Occupations Education Teachers

8-0627

Melvin L. Barlow  
University of California at  
Los Angeles  
Los Angeles, California

Development and Validation of  
Instructional Programs for the Allied  
Health Occupations

7-0031

Robert J. Wallenstefn  
Washington State University  
Pullman, Washington

Knowledges Commonly Useful in  
Twelve Allied Health Occupations

ED 022 958

MF: 50¢

HC: \$4.36

8-8018

James H. Straubel  
The Aerospace Education  
Foundation  
Washington, D.C.

Feasibility of Adapting Threo Air  
Force Courses for Civilian Use