

RESEARCH AND DEVELOPMENT
ANNUAL REPORT
TO
ADMINISTRATION AND FACULTY
1970 - 71

MOREHEAD STATE UNIVERSITY
BUREAU FOR RESEARCH AND DEVELOPMENT

Publication No. 4, 1971

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INTRODUCTION

The Research and Development Annual Report seeks to present an overview of the research and development interests and competencies of the Morehead State University faculty and staff. The report further represents the far-reaching efforts of the University to expand and explore the needs of the region it serves.

This is the fourth Annual Report to be published and reflects an increased sophistication of project personnel in implementing goals and program management.

The funded programs have been organized by Federal or State Grants and Faculty Research Grants within each Academic School or Bureau. Each program description identifies the project personnel, overview of program, program cost, and funding agency. The University cost represents an in-kind contribution which includes office space, facilities, and general program maintenance. The programs were funded between September 1, 1970, and August 31, 1971.

The Annual Report serves as a guide and offers points of departure from which interested persons can seek and request additional information.

Bureau for Research and Development
Morehead State University

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ACADEMIC AFFAIRS

Federal or State Grants

Special Services

Library Resources Basic Grant

Library Resources Supplementary Grant

Federal or State Grants

Special Services

Dr. Edward Coutes, Director

Mr. John Fields, Counselor

Miss Linda Houts, Counselor

The Special Services Program works with the student who enters college with less than the expected academic or cultural background. In essence, the program strives to individualize instruction. Its purpose is to maximize the student's opportunity for successful academic achievement and graduation; to assist in acquiring additional basic communications skills; to improve grade-point average; to offer counseling and guidance during college attendance; and to aid in the emotional, social and academic adjustment to university life. It offers the student special assistance in overcoming the effects of inadequate high school training as well as any cultural barriers he needs to overcome in order to succeed in college. The \$211,334 program is jointly funded by the Office of Education and Morehead State University.

Library Resources Basic Grant

Dr. Jack Ellis, Director

From this Office of Education Grant, the Johnson-Camden Library received \$2,500 for the acquisition of higher education library materials.

Library Resources Supplementary Grant

Dr. Jack Ellis, Director

A grant for the acquisition of higher education library materials in the amount of \$21,313 from the Office of Education.

APPLIED SCIENCES AND TECHNOLOGY

Federal or State Grants

Home and Family Management

Mental Health Technology

Vocational Teacher Education Program

Faculty Research Grants

Plasticizing Porous Materials

Relationship of Two Variable Inputs on Production
of Grass Forage

Federal or State Grants

Home and Family Management

Mrs. Floy Patton, Director

Mrs. Sandra Donovan, Instructor Coordinator

Morehead State University in cooperation with the Department of Economic Security and Title I, Higher Education Act provided a program for senior service workers of the Bureau of Public Assistance for the purpose of providing instruction and training in selected fields of Home and Family Management. Special emphasis was placed on techniques of teaching to be used by case workers in working with low income families. The project was granted \$18,816.30 for program implementation.

Mental Health Technology

Mrs. Doris Schmidt, Director

A training grant of \$25,999 was awarded by the Department of Health, Education, and Welfare, Public Health Service to expand current offerings in the area of mental health technology. The grant will provide ten tuition scholarships to high school graduates from Appalachian Kentucky. The trainees participating in the program will earn the Associate of Arts degree in Mental Health Technology.

Vocational Teacher Education Program

Dean Charles Ward, Director

Morehead State University was reimbursed \$17,717.50 by the Bureau of Vocational Education for the Applied Science and Technology teacher education program in trades and industrial education, home economics, and the Associate Degree Nursing Program.

*Faculty Research Grants***Plasticizing Porous Materials**

Mr. Minton Whitt, Director

A continuation grant to refine and develop the process of plasticizing wood and other porous materials and provide supportive equipment for the project. The grant award was \$164.60.

**A Study of the Relationship of Two Variable Inputs
on Production of Grass Forage**

Mr. Kenny Wade, Director

A study to determine the relationship of fertilizer and grass seed in the production of grass. The grant provided \$1,820 for the research project.

EDUCATION

Federal or State Grants

Career Opportunities Program

Discrimination Learning

Frenchburg Remedial Reading Program

Hazard Teacher Aide Training Program

Head Start Child Development

Head Start Supplementary Training Program

Head Start Supplementary Summer Training Program

Institutional Grant

Regional Training Officer

Right to Read Conference

Teacher-Aides Program

Faculty Research Grants

Discrimination Learning

Factors Influencing the Operant Frustration Effect

Motivational Properties of Frustrative Non-Reward

Validation of the Barclay Classroom Climate Inventory

Federal or State Grants

Career Opportunities Program

Mr. Randy Wells, Director

Under a \$69,476.41 special contract from the Breathitt County Board of Education, Morehead State University provided a training program for seventy-five teacher aides from the Breathitt County School District.

**Discrimination Learning and the Effects of Interference
on the Retention Process of Retarded and Normal Children**

Dr. Henry Stukuls, Director

A small contract grant of \$12,111 to investigate discrimination learning and memory processes. The developmental study was funded jointly by the Office of Education and Morehead State University.

Frenchburg Remedial Reading Program

Dean James Powell, Director

The grant provided \$7,998.29 from the Department of Child Welfare to conduct a remedial reading program for approximately fifty-five boys at the Frenchburg Boys' Center.

Hazard Teacher-Aide Training Program

Dean James Powell, Director

The Eastern Kentucky Concentrated Employment Program, Hazard, Kentucky, contracted with the School of Education to train a minimum of twelve qualified trainees in a teacher-aide program. The grant was in the amount of \$3,900.

Head Start Child Development

Dr. Mary Northcutt, Director
Mrs. Gloria Harrell, Instructor
Mrs. Gretta Duncan, Instructor

A full-year Head Start program for children who will be eligible for entrance in the public school at the completion of the program. Fifteen Rowan County children will participate in the program at the University Breckinridge School. This \$16,788 program is funded jointly by the Northeast Kentucky Area Development Council and Morehead State University.

Head Start Supplementary Training Program

Dr. Mary Northcutt, Director

Supplementary Training Associates provided \$41,207 to train Head Start personnel enabling them to earn college credits. Credits may be applied toward either the Associate of Applied Arts Degree for para-professionals or the Bachelor's Degree and Provisional Elementary Certificate.

Head Start Supplementary Summer Training Program

Dr. Mary Northcutt, Director

The \$5,589.21 grant from Education Projects, Inc., provided training for a minimum of eighty Head Start trainees. The trainees enrolled in University classes and earned college credits toward an Associate of Applied Arts Degree for para-professionals or the Bachelor's Degree and Provisional Elementary Certificate.

Institutional Grant

Dean James Powell, Director

The National Science Foundation awarded \$1,064.22 to the School of Education to improve and strengthen teaching and research.

Regional Training Officer

Miss Sue Stephenson, Director

The program provided orientation sessions to prepare Head Start instructors and offered assistance to Head Start projects through in-field supervision and training in pre-school education. The \$15,889.44 grant was received from the Kentucky Office of Economic Opportunity.

Right to Read Conference

Dr. William Hampton, Director

A grant to establish and present a demonstration center on methods and materials for teaching of reading. The Conference provided outstanding educators in the Right to Read effort. Dr. Jeanne Chall, Harvard University, was the featured speaker. The Conference was jointly sponsored by the State Department of Education and Morehead State University. The grant contribution was \$1,850.

Teacher-Aides Program

Mr. Randy Wells, Director

A grant of \$50,000 from the Breathitt County Board of Education to continue the Teacher-Aide program for twenty-seven trainees from Bath and Elliott counties for the next two years.

Faculty Research Grants

**Discrimination Learning and the Effects of Interference on
the Retention Process of Retarded and Normal Children**

Dr. Henry Stukuls, Director

A developmental study designed to investigate discrimination learning and memory processes. The study was granted \$1,611.

Factors Influencing the Operant Frustration Effect

Dr. Francis Osborne, Director

A research grant to identify some of the factors which may facilitate or obscure the operant frustration effect (OFE). The grant provided \$1,000 to conduct the research.

Motivational Properties of Frustrative Non-Reward

Dr. Francis Osborne, Director

A continuation grant in the amount of \$400 to test some of the motivational implications for frustrative theory as proposed by Amsel (1958-1962) for the frustrative non-reward situation.

**Validation of the Barclay Classroom Climate Inventory:
An Exploratory Study**

Mr. George Tapp, Director

A research grant to provide preliminary evidence for the suspected validity of the Barclay Classroom Climate as a measure of important traits within the classroom. The grant was in the amount of \$1,869.

HUMANITIES

Faculty Research Grant

Afro-American Art

Faculty Research Grant

Afro-American Art

Mr. Maurice Strider, Director

A grant to research all available examples of Afro-American Art for the purpose of identifying those works that would best help Kentucky public school students in appreciation of Afro-American culture. The grant provided \$1,020 to conduct the research.

RESEARCH AND DEVELOPMENT

Federal or State Grants

Adult Basic Education Demonstration Center

Adult Basic Education In-Service Training

Adult Basic Education Institute

Appalachian Community Television Project

Coal Mining Research Institute

Corporation of Public Broadcasting Support Grant

Country Gathering Evaluation

Institute on Aging

Institutional Grant

Operation Talent Search

Upward Bound

Faculty Research Grant

Changes in Knowledge, Attitude, and Skill of Elderly
Students in Northeastern Kentucky

Federal or State Grants

**A Demonstration and Research Project for Programs, Materials,
and Education Technology for Undereducated Adults**

Mr. George Eyster, Director
Dr. Harold Rose, Research Administrator
Mrs. Ann Hayes, Evaluation Specialist
Dr. Husain Qazilbash, Curriculum Specialist
Mr. Lamar Marchese, Media Specialist
Mr. Frank Collesano, Administrative Assistant

The Appalachian Adult Education Center continues to affect improvement in the quality and practice in Adult Basic Education throughout the country as a result of a highly complex multi-dimensional education project serving the rural, isolated, mountain adult Appalachia. The Appalachian Adult Education Center design serves four main functions: a change agent function, a training function, a research function, and a demonstration and developmental function. The grant of \$175,000 was made possible by the Office of Education, Adult Education Act, Title III.

Adult Basic Education In-Service Training

Dr. Harold Rose, Director

The State Department of Education, the Bureau of Vocational Education, contracted with the Appalachian Adult Basic Education Demonstration Center to provide an in-service training program in Adult Basic Education for twenty-five teachers, counselors, and area supervisors. The grant award was \$4,575.

**Adult Basic Education Institute in Individualized
Instruction for Teaching Rural Adults**

Mrs. Ann Hayes, Director

An institute to improve the individualized instruction skills of one hundred Adult Basic Education teachers of rural white adults from thirteen states. The \$90,048 grant was awarded to the Appalachian Adult Basic Education Demonstration Center by the Office of Education, Adult Education Act, Title III.

Appalachian Community Television Project

Mr. Lamar Marchese, Supervisor

Mr. Frank Collesano, Consultant Accountant

A \$22,000 grant awarded by the Appalachian Regional Commission and the Kentucky Program Development Office to conduct a feasibility study on using CATV systems in Appalachia for public service programming. The study focused on ways local organization may help in solution of community problems.

Coal Mining Research Institute

Mr. Dave Hylbert, Field Worker

The Coal Operators of Eastern Kentucky granted the University \$4,000 to conduct research in the area of coal mine safety, develop educational programs for coal miners and identify the needs for trained personnel.

Corporation of Public Broadcasting Support Grant

Mr. Don Holloway, Director

A \$7,083 grant was received from the Corporation of Public Broadcasting for financial assistance of WMKY staff personnel.

Country Gathering Evaluation

Mr. Richard G. Crowe, Coordinator

Mr. George Tapp, Director

Miss Loretta Brookhart, Field Worker

Mrs. Prissila Gotsick, Field Worker

Mrs. Wanda Bigham, Field Worker

A grant of \$3,500.30 from the Northeast Kentucky Area Development Council to evaluate the Country Gathering Programs in Carter, Elliott, Greenup, Lewis, Morgan, and Rowan counties.

Institute on Aging

Dr. John Gaus, Director

Dr. Husain Qazilbash, Coordinator

The second-year project functioned as a catalyst agency that referred available services and resources to needy individuals and agencies, provided leadership development programs, special assistance in the area of nutrition, communications network and consolidated various Morehead State University inputs to serve the older citizens of eastern Kentucky. The program was jointly sponsored by the Older Americans Act, Title III, and Morehead State University. The project cost was \$30,000.

Institutional Grant

Dr. Morris L. Norfleet, Director

The National Science Foundation awarded \$10,642.24 to the Bureau of Research and Development to strengthen research activities.

Operation Talent Search

Mr. Frank Sandage, Director

Mr. Glen Gardner, Counselor

Mr. William Johnson, Assistant Counselor

Mr. Norman Jones, Assistant Counselor

An Office of Education grant of \$52,000 to encourage talented youth from economically deprived homes to continue their education. The project serves twenty-one eastern Kentucky counties providing counseling and referral services.

Upward Bound

Mr. Ben Tackett, Director

Mr. Charles Gilley, Assistant Director

A pre-college preparatory program designed to generate the skills and motivation necessary for success in education beyond high school for one hundred young people from Greenup, Boyd, Carter, Rowan, Fleming, Mason, Bath, Johnson, Elliott, Lewis, Morgan, and Lawrence counties. The program was funded for \$127,497 by the Office of Education.

Faculty Research Grant

**Changes in Knowledge, Attitude, and Skill of Elderly
Students in Northeastern Kentucky**

Dr. John Gaus, Director

A grant to study the changes in knowledge, attitude, and skill of the elderly students during participation in four sessions of one-to-three content areas taught by the University faculty: World Religion, Kentucky History, Recreational Arts and Crafts. The grant was in the amount of \$1,000.

SCIENCES AND MATHEMATICS

Federal or State Grants

College Science Improvement Program

Effects of Gamma Radiation on Tree Seeds and Seedlings

Environmental Education Program

Environmental Teach-In

Institutional Grant

Mathematics Institute for Secondary Teachers

Faculty Research Grants

Bacteriophages as Biological Pesticides

Chemical Shifts of Hexamethyldisilane and Hexamethyldisiloxane

Comparison of Invertebrate Faunae of Two Aquatic Ecosystems

Determination of Life Cycle of Acanthocephalus

Federal or State Grants

College Science Improvement Program

Dr. Russell Brengleman, Director

Mr. Johnnie Blair, Co-Director

A cooperative project for two-year colleges designed to improve the physical science program. The project will provide a detailed study of the physical science curricula of the junior and community colleges in relation to the science curricula of Morehead State University. Participating two-year colleges are: Alice Lloyd Junior, Henderson Community, Lees Junior, Southeast Community, Southeastern Christian Community, St. Catherine Junior, and Sue Bennet Junior College. The National Science Foundation grant of \$17,600 will implement the project.

Effects of Gamma Radiation on Tree Seeds and Seedlings

Dr. Margaret Heaslip, Director

Dr. William Fal's, Resident Physicist

A research grant to determine the effects of gamma rays on tree seeds and seedlings. The project was jointly funded by the Atomic Energy Commission and Morehead State University in the amount of \$11,264.

Environmental Education Program

Dr. Madison Pryor, Coordinator

Mr. Woodrow Barber, Director

Mr. John Drake, Field Worker

The project will determine all methods of dissemination of environmental education efforts within forty-nine counties of Appalachia Kentucky. The project was jointly supported by the Office of Education and Morehead State University in the amount of \$33,048.01.

Environmental Teach-In

Dr. Madison Pryor, Director

Mr. Woodrow Barber, Assistant Director

The Environmental Teach-In will provide environmental management to thirty-six classroom teachers from eastern Kentucky in the area of pollution, water pollution, land erosion, solid waste disposal, and undisciplined growth of communities. The amount of the grant was \$7,347 funded by the Office of Education, Educational Personnel Development Act.

Institutional Grant

Dean William Simpson, Director

An institutional grant of \$638.54 was awarded by the National Science Foundation to improve and strengthen the areas of science teaching and research.

Mathematics Institute for Secondary Teachers

Dr. Glenn E. Johnston, Director

Dr. Rolene Cain, Instructor

An eight-week summer institute for forty secondary teachers in mathematics. Each participant had the opportunity to obtain six graduate credits while enrolled in the Institute. Participants were from eastern Kentucky, and surrounding Appalachian states and a few from across the United States. The Institute was funded by the National Science Foundation for \$47,500.

Faculty Research Grants

Bacteriophages as Biological Pesticides

Dr. Daryl S. Bates, Director

A grant to determine the feasibility of developing bacteriophages as specific biological pesticides in light of the current concern over the hazard of using chemical products. The award was in the amount of \$1,791.

Chemical Shifts of Hexamethyldisilane and Hexamethyldisiloxane at Elevated Temperatures

Dr. Lamar Payne, Director

A project to determine the chemical shifts of both hexamethyldisilane and hexamethyldisiloxane at elevated temperatures over a range of concentrations. The grant was in the amount of \$940.

A Comparison of the Invertebrate Faunae of Two Aquatic Ecosystems

Mr. Gerald DeMoss, Director

A continuation study designed to determine the incidence and population variation in the invertebrate fauna (exclusive of the protozoa characteristic) of two small ponds located in the Daniel Boone National Forest. The award was made in the amount of \$1,570.50.

Determination of Life Cycle of Acanthocephalus Jacksoni

Mr. Langston Smith, Director

A study to artificially infect minnows with the acanthocephalan (*Acanthocephalus Jacksoni*) in order to study the life cycle and determine the intermediate host involved in the life cycle. The project was granted \$667.20.

SOCIAL SCIENCES

Federal or State Grants

Slavery Controversy and Domestic Missions in the
Calvinistic Churches

Social Work Teaching Grant

Faculty Research Grants

Antislavery Career of Erasmus Darwin MacMaster

Assisting Workers to Relocate Jobs

Kentucky Statehood and John Brown

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Federal or State Grants

**Slavery Controversy and Domestic Missions in
the Calvinistic Churches**

Dr. Victor Howard, Director

A research study to provide an analysis of the problem of human responsibility in the social order and the clash of different concepts and viewpoints on the issues of slavery in the Calvinistic churches in their cooperative program under the "Plan of the Union of 1801." The American Philosophical Society awarded the \$1,000 grant for the research project.

Social Work Teaching Grant

Dean Roscoe Playforth, Director

A program development grant to enrich and increase academic offerings in the area of social work at Morehead State University. The grant award of \$29,021 was received from the Department of Economic Security.

Faculty Research Grants

**The Antislavery Career of Erasmus Darwin MacMaster and the
Enfranchisement of the Negro in Kentucky**

Dr. Victor Howard, Director

A research grant in the amount of \$1,739.08 to study the antislavery career of Erasmus Darwin MacMaster and the enfranchisement of the Negro in Kentucky.

**Assisting Workers to Relocate Jobs Following
a Plant Shutdown**

Dr. S. Mont Whitson, Director

A study to gather and assess demographic data on the unemployed worker (Lee Clay Products Company), analyze job-seeking possibilities for the displaced workers, and compile a directory of job training programs and agencies. The project was granted \$1,500.

**Kentucky Statehood and John Brown: The Conflict Between
Passion and Patience, 1780-1792**

Dr. Stuart Sprague, Director

A research project to determine definitely the relationship between John Brown of Kentucky and the movement for statehood. The grant award was \$443.

SUMMARY OF GRANTS

RESEARCH AND DEVELOPMENT SUMMARY

September 1, 1970 - August 31, 1971

<u>Programs</u>	<u>Total Funds</u>
Adult Basic Education Demonstration Center	\$175,000.00
Adult Basic Education In-Service Training	4,575.00
Adult Basic Education Institute in Individualized Instruction	90,048.00
Appalachian Community Television Project	22,000.00
Career Opportunities	69,476.41
Coal Mining Research Institute	4,000.00
College Science Improvement Program	17,600.30
Corporation of Public Broadcasting Support Grant	7,083.00
Country Gathering Evaluation	3,500.00
Discriminative Learning	12,111.00
Effects of Gamma Radiation on Tree Seeds and Seedlings	11,264.00
Environmental Education Program	33,048.01
Environmental Teach-In	7,347.00
Frenchburg Remedial Reading Program	7,998.29
Hazard Teacher-Aide Training Program	3,900.00
Head Start Child Development	16,788.00
Head Start Supplementary Summer Training Program	5,589.21
Head Start Supplementary Training Program	42,207.00
Home and Family Management	18,816.30
Institute on the Aging	30,000.00
Institutional Grant-Education	1,064.22
Institutional Grant-Research	10,642.24
Institutional Grant-Science	638.54
Library Resources Basic Grant	2,500.00
Library Resources Supplementary Grant	21,313.00
Mathematics Institute for Secondary Teachers	47,500.00
Mental Health Technology	25,999.00
Operation Talent Search	52,000.00
Regional Training Office	15,889.44
Right to Read Conference	1,850.00
Slavery Controversy and Domestic Missions in Calvinistic Churches	1,000.00
Social Work Teaching Grant	29,021.00
Special Services	211,334.00
Teacher-Aides Program	50,000.00
Vocational Teacher Education Program	17,717.50
Upward Bound	<u>127,497.00</u>
Total	\$1,198,317.46

FACULTY RESEARCH SUMMARY

July 1, 1970 - June 30, 1971

<u>Programs</u>	<u>University Funds</u>
Afro-American Art	\$1,020.00
Antislavery Career of Erasmus Darwin MacMaster and the Enfranchisement of the Negro in Kentucky	1,739.08
Assisting Workers to Relocate Jobs Following a Plant Shutdown	1,500.00
Bacteriophages as Biological Pesticides	1,791.00
Changes in Knowledge, Attitude, and Skill of Elderly Students	1,000.00
Chemical Shifts of Hexamethyldisilane and Hexamethyldisiloxane at Elevated Temperatures	940.00
Camparison of the Invertebrate Faunae of Two Acquatic Ecosystems	1,570.50
Determination of Life Cycle of Acanthocephalus Jacksoni	667.20
Discrimination Learning and the Effects of Interference on the Retention Process of Retarded and Normal Children	1,611.00
Factors Influencing the Operant Frustration Effect	1,000.00
Kentucky Statehood and John Brown: The Conflict Between Passion and Patience, 1780-1792	443.00
Motivational Properties of Frustrative Non-Reward	400.00
Plasticizing Porous Materials	164.00
Study of the Relationship of Two Variable Inputs on Production of Grass Forage	1,820.00
Validation of the Barclay Classroom Climate Inventory	1,869.00
Total	\$17,535.38

State and Federal Grants Awarded
by Agency

September 1, 1970 - August 31, 1971

<u>Agency</u>	<u>Grants Awarded</u>	<u>Rank</u>
American Philosophical Society	\$ 1,000.00	17
Atomic Energy Commission	11,264.00	11
Breathitt County Board of Education	119,476.41	2
Coal Miners of Eastern Kentucky	4,000.00	15
Commission on Aging	30,000.00	5
Corporation of Public Broadcasting	7,083.00	13
Department of Child Welfare	7,998.29	12
Department of Economic Security	29,021.00	6
Eastern Kentucky Concentrated Employment Program	3,900.00	16
Education Projects, Inc.	42,207.00	4
Kentucky Program Development Office	22,000.00	8
National Science Foundation	77,445.00	3
Northeast Area Development Council	20,288.00	9
Office of Economic Opportunity	15,889.44	10
Office of Education	777,013.61	1
State Department of Education	24,142.50	7
Supplementary Training Program	5,589.21	14
Total	\$1,198,317.46	

Seventeen state and federal agencies awarded grants to Morehead State University between September 1, 1970 and August 31, 1971. The grants awarded column represents the allotment of funds by agencies and the University. Each agency has been ranked according to their contribution to the University.

Summary by Agency
of
Proposals Submitted and Funded
September 1, 1970 - August 31, 1971

<u>Agency</u>	<u>Submitted</u>	<u>Percent Funded</u>
American Philosophical Society	1	-
Atomic Energy Commission	2	3.03
Breathitt County Board of Education	2	6.06
Bureau of Outdoor Recreation	1	-
Coal Mine Operators of Eastern Kentucky	1	3.03
Commission on Aging	1	3.03
Corporation of Public Broadcasting	2	3.03
Department of Child Welfare	1	3.03
Department of Economic Security	1	3.03
Eastern Kentucky Concentrated Employment Program	1	3.03
Education Projects, Inc.	1	3.03
Esso Foundation	1	-
Housing and Urban Development	1	-
Kentucky Crime Commission	1	-
Kentucky Program Development Office	2	3.03
National Endowment for the Humanities	1	-
National Science Foundation	7	9.09
Northeast Area Development Council	2	6.06
Office of Economic Opportunity	1	3.03
Office of Education	22	33.34
State Department of Education	4	9.09
Supplementary Training Association	1	3.03
U. S. Bureau of Mines	1	-
Total	<u>58</u>	<u>100</u>

The Bureau for Research and Development submitted 58 proposals to state and/or federal agencies between September 1, 1970 and August 31, 1971. Thirty-three or 56.8 percent of the proposals submitted were funded by one of the agencies identified above.

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