RESEARCH AND DEVELOPMENT

SUMMARY REPORT
# RESEARCH AND DEVELOPMENT PROGRAMS

September 1, 1969 - August 31, 1970

<table>
<thead>
<tr>
<th>Program</th>
<th>Total Funds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adult Basic Education Guidance and Counseling Workshop</td>
<td>$4,333.50</td>
</tr>
<tr>
<td>Appalachian Adult Basic Education Demonstration Center</td>
<td>365,000.00</td>
</tr>
<tr>
<td>Appalachian Adult Basic Education Teacher-Trainer Reading Workshop</td>
<td>52,000.00</td>
</tr>
<tr>
<td>Career Opportunities Program</td>
<td>83,336.72</td>
</tr>
<tr>
<td>Co-op Program with Maysville City School</td>
<td>21,274.00</td>
</tr>
<tr>
<td>CPB Personnel Grant</td>
<td>15,000.00</td>
</tr>
<tr>
<td>Crime Control Study</td>
<td>2,095.51</td>
</tr>
<tr>
<td>Dialect Survey of Appalachian Region</td>
<td>13,255.00</td>
</tr>
<tr>
<td>Expansion Grant for WMKY</td>
<td>86,090.00</td>
</tr>
<tr>
<td>Gamma Radiation Study</td>
<td>11,114.00</td>
</tr>
<tr>
<td>Head Start Supplementary Training Program</td>
<td>12,207.00</td>
</tr>
<tr>
<td>Head Start Supplementary Training Program</td>
<td>10,800.00</td>
</tr>
<tr>
<td>Home Economics Education Workshop</td>
<td>2,075.00</td>
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<tr>
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<td>35,681.00</td>
</tr>
<tr>
<td>Institute for Vocational Education Personnel</td>
<td>13,250.00</td>
</tr>
<tr>
<td>Institutional Grant for Science</td>
<td>10,675.00</td>
</tr>
<tr>
<td>Junior High Mathematics Project</td>
<td>39,400.00</td>
</tr>
<tr>
<td>Lectureship Program</td>
<td>2,599.60</td>
</tr>
<tr>
<td>Library Grant</td>
<td>7,275.00</td>
</tr>
<tr>
<td>Project Newgate</td>
<td>200,894.00</td>
</tr>
<tr>
<td>Regional Training Officer</td>
<td>19,420.80</td>
</tr>
<tr>
<td>Special Services Program</td>
<td>137,715.51</td>
</tr>
<tr>
<td>Talent Search</td>
<td>54,000.00</td>
</tr>
<tr>
<td>Upward Bound</td>
<td>126,517.00</td>
</tr>
<tr>
<td>Urban Affairs Internship Program</td>
<td>17,000.00</td>
</tr>
<tr>
<td>Vocational Opportunity Project</td>
<td>550.00</td>
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</tbody>
</table>

$1,343,558.64
## RESEARCH AND DEVELOPMENT

### SUMMARY

<table>
<thead>
<tr>
<th>Year</th>
<th>Total Funds</th>
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<tbody>
<tr>
<td>1969-70</td>
<td>$1,343,558.64</td>
</tr>
<tr>
<td>1968-69</td>
<td>1,315,382.91</td>
</tr>
<tr>
<td>1967-68</td>
<td>*2,080,729.00</td>
</tr>
</tbody>
</table>

*Includes $1,000,000.00 for the construction of the Appalachian Technical Institute.*
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September 1, 1969 - August 31, 1970

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## Research and Development Summary

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Research and Development
Faculty Research
September 1, 1969 - August 31, 1970

<table>
<thead>
<tr>
<th>Program</th>
<th>Grant Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plasticizing Porous Materials and Supportive Equipment</td>
<td>$2,893.00</td>
</tr>
<tr>
<td>Sex Control in Mammals</td>
<td>2,778.00</td>
</tr>
<tr>
<td>Thomas Weston Cardozo</td>
<td>272.00</td>
</tr>
<tr>
<td>Comparison of Invertebrate Faunae</td>
<td>542.00</td>
</tr>
<tr>
<td>of Two Aquatic Ecosystems</td>
<td></td>
</tr>
<tr>
<td>Fiction Courses in College Curricula</td>
<td>967.00</td>
</tr>
<tr>
<td>Motivational Properties of Frustrative Non-Reward</td>
<td>1,950.20</td>
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<tr>
<td>Survey of Health Education in Elementary of Five Kentucky Counties</td>
<td>564.00</td>
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<tr>
<td>Paragraph Composition</td>
<td>1,640.00</td>
</tr>
<tr>
<td>Donor Acceptor Properties</td>
<td>2,000.00</td>
</tr>
<tr>
<td>Laboratory Processing of Conodonts</td>
<td>1,983.00</td>
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<tr>
<td>Wilson Administration</td>
<td>666.00</td>
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<tr>
<td>Generalized Inbreeding Coefficient</td>
<td>175.00</td>
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<tr>
<td>Computer Package for the Determination of Recurrent Groups</td>
<td>253.00</td>
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<tr>
<td>Systematics, Paleoeocology and Geochronology of Molluscan Assemblages</td>
<td>324.95</td>
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$17,008.15
FUNDED PROGRAMS - SEPTEMBER 1, 1969 - AUGUST 31, 1970
## INSTITUTIONAL GRANT FOR SCIENCE

<table>
<thead>
<tr>
<th>Description</th>
<th>A grant to improve and strengthen the areas of science teaching and research on campus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Funding Agency</td>
<td>National Science Foundation</td>
</tr>
<tr>
<td>Staff</td>
<td>Dean William Simpson</td>
</tr>
<tr>
<td>Agency Contribution</td>
<td>$10,675.00</td>
</tr>
<tr>
<td>University Contribution</td>
<td>---------</td>
</tr>
<tr>
<td>TOTAL PROJECT COST</td>
<td>$10,675.00</td>
</tr>
<tr>
<td>Grant Number</td>
<td>GU-3399</td>
</tr>
<tr>
<td>Period of Grant</td>
<td>Terminates when all funds spent</td>
</tr>
<tr>
<td>Reports Due</td>
<td>Annual Report by December 15 each year</td>
</tr>
</tbody>
</table>

## SPECIAL VOCATIONAL OPPORTUNITY PROJECT

<table>
<thead>
<tr>
<th>Description</th>
<th>A project to train twelve Special Vocational Project Workers in the area of counseling.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Funding Agency</td>
<td>Department of Economic Security</td>
</tr>
<tr>
<td>Staff</td>
<td>Dr. Charles W. Riddle</td>
</tr>
<tr>
<td>Agency Contribution</td>
<td>$550.00</td>
</tr>
<tr>
<td>University Contribution</td>
<td>---------</td>
</tr>
<tr>
<td>TOTAL PROJECT COST</td>
<td>$550.00</td>
</tr>
<tr>
<td>Grant Number</td>
<td></td>
</tr>
<tr>
<td>Period of Grant</td>
<td>January 5, 1970 - January 9, 1970</td>
</tr>
<tr>
<td>Reports Due</td>
<td></td>
</tr>
</tbody>
</table>
TALENT SEARCH

Description: A program to encourage talented youth from economically deprived homes to continue their education. The project serves twenty-one Kentucky counties providing counseling and referral services.

Funding Agency: 
Staff: Mr. Frank Sandage

Agency Contribution: $54,000.00

University Contribution: 2,804.50

TOTAL PROJECT COST $56,804.50

Grant Number: OEC-0-8-000019-3583 (417)

Project Number: 716019

Period of Grant: June 1, 1968 to May 31, 1971

Reports Due:
LECTURESHIP PROGRAM

Description: Lecture series for outstanding Negro speakers

Funding Agency: Sperry and Hutchinson Foundation, Inc.

Director: Dr. Broadus Jackson

Agency Contribution: $2,000.00

University Contribution: 599.60

TOTAL PROJECT COST: $2,599.60

Grant Number: 1970 - 1971

Period of Grant

Reports Due:

REGIONAL TRAINING OFFICER

Description: The program will provide orientation sessions to prepare Head Start instructors and special assistance will be provided to individual Head Start Projects through in-field supervision and training in pre-school education.

Funding Agency: Miss Sue Stephenson

Director: Miss Sue Stephenson

Agency Contribution: $19,420.80

University Contribution: ---

TOTAL PROJECT COST: $19,420.80

Grant Number:

Period of Grant

Reports Due:
Through the Supplementary Training Program, personnel of full year Head Start programs may earn college credits. To enter the program, trainees must meet the admission policies of Morehead State University or must earn the general equivalency diploma before completion of their first course in Supplementary Training. Credits may be earned through extension courses. Correspondence courses, or enrollment in on-campus courses. Credits may be applied towards either the Associate of Applied Arts degree for para-professionals or the Bachelor's Degree and provisional elementary certificate. The director of the Supplementary Training Program serves as advisor for all trainees.
# HEAD START SUPPLEMENTARY TRAINING PROGRAM

**Description:**
Through the Supplementary Training Program, personnel of full year Head Start programs may earn college credits. To enter the program, trainees must meet the admission policies of Morehead State University or must earn the general equivalency diploma before completion of their first course in Supplementary Training. Credits may be earned through extension courses, correspondence courses, or enrollment in on-campus courses. Credits may be applied towards either the Associate of Applied Arts degree for para-professionals or the Bachelor's Degree and provisional elementary certificate. The director of the Supplementary Training Program serves as advisor for all trainees.

**Funding Agency:**
Educational Projects, Inc.

**Staff:**
Dr. Mary Northcutt

**Agency Contribution:**
$10,800.00

**University Contribution:**
$10,800.00

**TOTAL PROJECT COST:**
$10,800.00

**Grant Number:**
OEO-B89-4604

**Period of Grant:**
September 20, 1969 - August 8, 1970

**Reports Due:**
Financial Report Due 30 days after each semester
LIBRARY GRANT

Description: A grant to purchase books and materials to be placed in the Johnson Camden Library.

Funding Agency: Title II - A Higher Education Act Office of Education

Staff: Dr. Jack Ellis

Agency Contribution: $7,275.00 / Basic $2,500.00
Supplementary 4,775.00

University Contribution: ---

TOTAL PROJECT COST: $7,275.00

Grant Number: OEG-0-70-5658 (314)

Period of Grant: April 30, 1970 - June 30, 1971
PROJECT NEWGATE

Description:
The second grant received by Morehead State University to conduct a prison education program at the Federal Youth Center, Summitt, Kentucky. The project provides inmates possessing scholastic ability the opportunity to earn a college education and fit more easily into the world of work upon release.

Funding Agency:
Office of Economic Opportunity

Staff:
Mr. Patrick McCabe

Agency Contribution:
$200,894.00

University Contribution:
---

TOTAL PROJECT COST:
$200,894.00

Grant Number:
CG-8709 A/3

Period of Grant:
July 1, 1970 - June 30, 1971
APPALACHIAN ADULT BASIC EDUCATION

Description:
The Center proposes to continue to affect improvement in the quality of adult basic education in Alabama, Georgia, Kentucky, Mississippi, Ohio, Tennessee, Virginia, West Virginia, Maryland, South Carolina, North Carolina, New York, and Pennsylvania as a result of demonstration and experimental activities.

Funding Agency:
Office of Education
Bureau of Adult Vocational, and Library Programs

Staff:
Mr. George Eyster

Agency Contribution:
$365,000.00

University Contribution:
32,117.00

TOTAL PROJECT COST
$387,117.00

Grant Number:
OEG-0-70-4616 (324)

Period of Grant:
June 30, 1970 - June 30, 1971

Reports Due:
CO-OP PROGRAM BETWEEN MOREHEAD STATE UNIVERSITY AND MAYSVILLE CITY SCHOOL FOR PREPARATION OF TRAINING AND REORGANIZING OF THE TRADITIONAL SCHOOL TO MEET THE NEEDS OF THE EDUCATIONALLY DISADVANTAGED

Description: The operational phase of the program for preparation of training and reorganizing of the traditional school to meet the needs of the educationally disadvantaged. The program will involve a recycling of teachers from public schools to the University as teacher trainers.

Funding Agency: Office of Education
Bureau of Educational Personnel Development

Staff: Mr. Noah Logan

Agency Contribution: $21,274.00

University Contribution: ---

TOTAL PROJECT COST $21,274.00

Grant Number: OEG-0-70-1735 (725)

Project Number: 005006

Period of Grant: February 19, 1970 - June 30, 1971

Reports Due: Quarterly Progress Reports
Final Report (30 days after conclusion of project)
Fiscal Report (30 days after conclusion of project)
URBAN AFFAIRS INTERNSHIP PROGRAM

Description
A grant to organize and conduct an internship program for ten Morehead State University students in urban affairs.

Funding Agency
Housing Act of 1964, Title VIII Department of Housing and Urban Development and Kentucky Program Development Office

Staff
Dr. Jack Bizzel
Mr. Gary Cox

Agency Contribution
$8,500.00

University Contribution
8,500.00

TOTAL PROJECT COST
$17,000.00

Grant Number
CD 69-314

Period of Grant
January 1, 1970 - June 30, 1970

Reports Due
Extended September 30, 1970
CRIME CONTROL STUDY

Description

Funding Agency
Northeast Crime Council
FIVCO Area Development District

Staff

Agency Contribution
$1,000.00 + 1,095.51

University Contribution
---------

TOTAL PROJECT COST
$1,000.00 + 1,095.51

Grant Number

Period of Grant

Reports Due
### GAMMA RADIATION AS A POPULATION CONTROL MECHANISM

<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A research grant to determine the effects of gamma rays and fast neutrons on tree seed and seedlings.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Funding Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atomic Energy Commission</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Margaret Heaslip</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Agency Contribution</th>
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<tbody>
<tr>
<td>$6,350.00</td>
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<table>
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<tr>
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<tr>
<td>4,764.00</td>
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</table>

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>$11,114.00</td>
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<table>
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<tr>
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<tbody>
<tr>
<td>AT-(40-1)-2066</td>
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<table>
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<tr>
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<tbody>
<tr>
<td>October 1, 1969 - September 30, 1970</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reports Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>Progress Report due three months in advance of expiration of contract.</td>
</tr>
<tr>
<td>Final report due upon termination of grant.</td>
</tr>
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INSTITUTE TO DEVELOP THE EFFECTIVENESS OF VOCATIONAL EDUCATION PERSONNEL IN WORKING WITH DISADVANTAGED STUDENTS

Description: An institute for thirty participants to develop methods and techniques of working more effectively with disadvantaged students enrolled in vocational education programs in rural areas.

Funding Agency: Office of Education
Educational Personnel Development Programs

Staff: Dean C. Nelson Grote

Agency Contribution: $13,250.00

University Contribution: ---

TOTAL PROJECT COST: $13,250.00

Project Number:

Period of Grant: July 1, 1970 - September 1, 1971

Reports Due:
DIALECT SURVEY OF APPALACHIAN REGION

Description: A research grant (1) to identify and describe the common patterns of pronunciation, grammar and vocabulary; (2) to describe how these patterns which deviate from "standard English" effect progress in reading; (3) to describe the differential usage of the language of under-educated, moderately educated and the culturally experienced; and (4) to develop a teacher training package incorporating aspects of linguistic sciences in teaching reading, writing, and speaking the skills in the classroom.

Funding Agency: Office of Education
Small Contract Research

Staff: Mr. Husain Qazilbash

Agency Contribution: $9,205.00

University Contribution: 4,050.00

TOTAL PROJECT COST: $13,255.00

Grant Number: OEG-3-70-0043 (509)

Project Number: 03047

Period of Grant: June 1, 1970 - November 30, 1970

Reports Due:

Technical Progress Report - September 1, 1970
Final Report - Expiration of Grant
SPECIAL SERVICES PROGRAM

Description:

A supplementary learning program for 600 college freshmen at Morehead State University. The program is designed to assist the culturally different and academically disadvantaged student by providing academic, tutorial and counseling services aimed at bringing about the academic, social, and psychological adjustments necessary to succeed in college.

Funding Agency:

Office of Education

Staff:

Dr. Morris Caudill

Agency Contribution:

$100,000.00

University Contribution:

37,715.51

TOTAL PROJECT COST:

$137,715.51

Grant Number:

OEG-0-70-5113

Project Number:

451130

Period of Grant:

July 1, 1970 - June 30, 1971

Reports Due:

Quarterly Estimated Cash Monthly/Quarterly Disbursements
Project Title: Expansion Grant for WMKY

Description: To improve non-commercial educational radio station WMKY, operating on Channel 212, Morehead, Kentucky. Technically, expansion from 10 watts, but effectively an activation for 95% of proposed coverage area.

Director: Donald F. Holloway

Federal Contribution $64,000

University Contribution 22,090 Applicant's share, project cost

3,910 Necessary non-project costs

TOTAL $86,090 (90,000 when non-project costs are included)

Funding Agency: Educational Broadcasting Facilities Program, Title I, PB. 90-129

Contact Person and Address: Mr. Don Davies, Acting Association Commissioner for Bureau of Libraries and Educational Technology, Washington, DC 20202

Period of Grant: Begin n/a End n/a

Grant Number: OEG-0-70-8008 (343)

Project # 39-R

Reports Due: One half will be sent when evidence of encumbrance is sent to Washington. The second half will be send when project is complete. Report of progress is not required at any specific time.

Account Title in Business Office: WMKY Expansion Grant

Account Number in Business Office:

Line Item Summary:

<table>
<thead>
<tr>
<th>Personnel</th>
<th>Materials</th>
<th>Equipment</th>
<th>Travel</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td>-0-</td>
<td>-0-</td>
<td>$64,000</td>
<td>-0-</td>
<td>$64,000</td>
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NOTES:
IN-SERVICE TRAINING PROGRAM FOR JUVENILE COUNSELORS

Description
A grant to provide an intensive in-service training program for 75 juvenile counselors in Kentucky.

Funding Agency
Title I, Higher Education Act, Kentucky Department of Child Welfare.

Staff
Mr. Hubert Crawford
Mrs. Lola Crostwaite

Agency Contribution
$16,751.00
15,500.00

University Contribution
3,430.00

TOTAL PROJECT COST
$35,681.00

Grant Number
70-005-008

Period of Grant
July 1, 1970 - June 30, 1971

Reports Due
HOME ECONOMICS EDUCATION WORKSHOP - WORKING WITH THE DISADVANTAGED

Description: A workshop in the area of home economics education in working with the disadvantaged student for thirteen teachers and graduate students.

Funding Agency: State Department of Education Bureau of Vocational Education

Staff: Miss Patti Bolin

Agency Contribution: $2,075.00

University Contribution: ---

TOTAL PROJECT COST $2,075.00

Grant Number: 

Period of Grant: June 22 - July 10, 1970

Reports Due: 

IMPLEMENTATION PROGRAM FOR THE UNIVERSITY OF ILLINOIS
JUNIOR HIGH SCHOOL MATHEMATICS PROJECT

Description:
A program to facilitate the implementation of the new UICSM curriculum Stretchers and Shrinkers and Motion Geometry for underachievers in Mathematics in thirty school districts. The in-service workshops and conferences involved the classroom teachers mathematics supervisors, curriculum consultants, school administrators, and college faculty.

Funding Agency:
National Science Foundation

Staff:
Dr. Billy R. Nail

Agency Contribution:
$39,740.00

University Contribution:
-----

TOTAL PROJECT COST
$39,400.00

Grant Number
GW-5360

Period of Grant
March 1, 1970 - June 30, 1971

Reports Due
APPALACHIAN ADULT BASIC EDUCATION TEACHER-TRAINER
READING WORKSHOP

Description: A teacher-trainer workshop in reading for adult basic educators from the Appalachian portion of thirteen states. The ultimate objective of the program is to improve the reading ability of the rural disadvantaged population in Appalachia.

Funding Agency: Office of Education
Bureau of Adult Vocational, and Library Programs

Staff: Mrs. Ann Hayes
Dr. Harold Rose

Agency Contribution: $52,000.00

University Contribution: ----

TOTAL PROJECT COST $52,000.00

Grant Number OEG-0-70-3956 (323)

Project Number 271020

Period of Grant June 1, 1970 - May 30, 1971

Reports Due Monthly/Quarterly Financial Reports

Final Report - End of Grant
A training program for seventy-five teacher aides from the Breathitt County School District. In addition, twenty-seven teacher aides from Bath County and Elliott County participated in a continued training program.

U.S. Office of Education
Education Professions Development Act
Subcontract: Breathitt County Board of Education

$60,536.72 - 75 participants
22,800.00 - 27 participants

$83,336.72

Grant Number
OEG-0-70-1778

Project Number
000111

Period of Grant
March 26, 1970 - June 30, 1971

Staff

Mr. Randy Wells
**RADIO SUPPORT GRANT - CPB Personnel Grant**

**Description:**
A grant for financial assistant for staff personnel for WMKY at a 50,000 watt station.

**Funding Agency:**
Corporation for Public Broadcasting

**Staff:**
Mr. Donald Holloway

**Agency Contribution:**
$15,000.00

**University Contribution:**
---

**TOTAL PROJECT COST**
$15,000.00

**Grant Number:**
R-70-7314

**Period of Grant:**
July 1, 1970 - June 30, 1971

**Reports Due:**
January 15, 1971 - Interim Narrative

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**UPWARD BOUND**

**Description:**
A precollege preparatory program designed to generate the skills and motivation necessary for success in education beyond high school for 100 young people from Boyd, Bath, Carter, Elliott, Greenup, Fleming, Lewis, Mason, Morgan, Johnson, and Rowan Counties.

**Funding Agency:**
Office of Education

**Staff:**
Mr. Ben Tackett

**Agency Contribution:**
$101,214.00

**University Contribution:**
$25,303.00

**TOTAL PROJECT COST**
$126,517.00

**Grant Number:**
OEG-0-70-4588 (453)

**Project Number:**
453267

**Period of Grant:**
June 15, 1970 - June 30, 1971

**Reports Due:**
Monthly/Quarterly Reports
ADULT BASIC EDUCATION GUIDANCE AND COUNSELING WORKSHOP

Description: A one week workshop in Adult Basic Education Guidance and Counseling for twenty-five adult basic education counselors and supervisors.

Funding Agency: State Department of Education
Bureau of Vocational Education

Staff: Dr. Harold Rose

Agency Contribution: $4,333.50

University Contribution: ---

TOTAL PROJECT COST $4,333.50

Grant Number: 000-085

Period of Grant: June 22, 1970 - June 26, 1970

Reports Due:
FACULTY RESEARCH GRANTS 1969-70
<table>
<thead>
<tr>
<th>Description</th>
<th>Faculty Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>A research study to refine and develop the process of plasticizing wood and other porous materials and provide supportive equipment for the project.</td>
<td></td>
</tr>
<tr>
<td>Funding Agency</td>
<td></td>
</tr>
<tr>
<td>University Contribution</td>
<td></td>
</tr>
<tr>
<td>$2,893.00</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Description</th>
<th>Faculty Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>A research grant to establish guidelines for sex control in farm animals utilizing information established from experimentation with the laboratory mouse.</td>
<td></td>
</tr>
<tr>
<td>Funding Agency</td>
<td></td>
</tr>
<tr>
<td>Staff</td>
<td></td>
</tr>
<tr>
<td>University Contribution</td>
<td></td>
</tr>
<tr>
<td>$2,778.00</td>
<td></td>
</tr>
</tbody>
</table>
THOMAS WESTON CARDOZO, SCHOOLMASTER AND POLITICIAN, 1865-1874

Description

A study to facilitate the research on the problems and achievements of Thomas Weston Cardozo, an outstanding Negro in Mississippi's educational and political growth, during the post-Civil War period.

Funding Agency

Faculty Research

Staff

Dr. Broadus Jackson

University Contribution

$272.00

A COMPARISON OF THE INVERTEBRATE FAUNAE OF TWO AQUATIC ECOSYSTEMS

Description

A study designed to determine the incidence and population variation in the invertebrate fauna (exclusive of the protozoa) characteristic in two ponds.

Funding Agency

Faculty Research

Staff

Mr. Gerald L. DeMoss

University Contribution

$542.00
FICTION COURSES IN COLLEGE CURRICULA

Description

A research project to survey the number and type of fiction courses in the curricula of a random selection of colleges and universities and determine the status of such courses in the departmental majors and minors. Also, the grant will survey enrollment data pertinent to courses, the number and types of textbooks used in such courses, and to survey the bibliographical resources available.

Funding Agency

Faculty Research

Staff

Dr. Robert E. L. Hacke

University Contribution

$967.00
**MOTIVATIONAL PROPERTIES OF FRUSTRATIVE NON-REWARD**

<table>
<thead>
<tr>
<th>Description</th>
<th>The purpose of the research was to test some of the motivational implications of frustration theory as proposed by Amsel (1958, 1962) for the frustrative non-reward situation.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Funding Agency</td>
<td>Faculty Research</td>
</tr>
<tr>
<td>Staff</td>
<td>Dr. Francis Osborne</td>
</tr>
<tr>
<td>University Contribution</td>
<td>$1,950.20</td>
</tr>
</tbody>
</table>

**A SURVEY OF THE STATUS OF HEALTH EDUCATION IN THE ELEMENTARY OF FIVE KENTUCKY COUNTIES**

<table>
<thead>
<tr>
<th>Description</th>
<th>A study to determine the status of health education in the elementary schools in Rowan, Bath, Montgomery, Menifee, and Morgan Counties.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Funding Agency</td>
<td>Faculty Research</td>
</tr>
<tr>
<td>Staff</td>
<td>Mrs. Elizabeth Sadler</td>
</tr>
<tr>
<td>University Contribution</td>
<td>$564.00</td>
</tr>
</tbody>
</table>
### Paragraph Composition on Grade Levels 3 - 12, Using "Cafael Sensorial-Evoking Words"

**Description**
A study to ascertain the effectiveness of using certain sensorial-evoking word lists in writing on topics given students on grade levels 3-12.

**Funding Agency**
Faculty Research

**Staff**
Dr. Lewis Barnes  
Dr. Ruth Barnes  
Miss Frances Helphinstine

**University Contribution**
$1,640.00

### Donor Acceptor Properties Determined by $^{19}$F Nuclear Magnetic Resonance Spectroscopy

**Description**
A research study that proposed $^{19}$F resonance measurements in either the acid or base moiety of a complex may be used to determine the relative strengths of Lewis' acids and Lewis' bases.

**Funding Agency**
Faculty Research

**Staff**
Dr. Verne A. Simon

**University Contribution**
$2,000.00

### Laboratory Processing of Conodonts from Mississippian Rocks, Southwestern Virginia, Adjacent West Virginia and Kentucky

**Description**
A study of the occurrence and stratigraphic distribution of conodonts in Mississippian age rocks in southwestern Virginia and adjacent West Virginia and Kentucky

**Funding Agency**
Faculty Research

**Staff**
Mr. James R. Chaplin

**University Contribution**
$1,983.00
<table>
<thead>
<tr>
<th>Faculty Research Grants 1969-1970</th>
</tr>
</thead>
</table>

### The Wilson Administration and the Price Rise of 1919-1920

**Description**
A research project to interpret definitively the controversy between the officials of the Food Administration and those of the Treasury Department over the direction of the economic policy of the Wilson Administration in 1919-1920.

**Funding Agency**
Faculty Research

**Staff**
Dr. John Hanrahan, Director

**University Contribution**
$666.00

### The Generalized Inbreeding Coefficient and the Generalized Heterozygosity Index in a Recurrent Selection Program

**Description**
A study to extend the computer simulations to include more general situations and submit to a journal of applied genetics and summarize the mathematical derivation and condense the theoretical development to a form to be submitted to a journal of mathematical statistics.

**Funding Agency**
Faculty Research

**Staff**
Dr. Rolene Cain

**University Contribution**
$175.00
<table>
<thead>
<tr>
<th>Description</th>
<th>A project to computerize fossil faunal distribution abundance data for various Neogene formations of Southeastern and Southwestern United States.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Funding Agency</td>
<td>Faculty Research</td>
</tr>
<tr>
<td>Staff</td>
<td>Dr. Jules DuBar</td>
</tr>
<tr>
<td>University Contribution</td>
<td>$253.00</td>
</tr>
</tbody>
</table>

**SYSTEMATICS, PALEOECOLOGY AND GEOCHRONOLOGY OF THE MOLLUSCAN ASSEMBLAGES OF THE WACCAMAU FORMATION, NORTH AND SOUTH CAROLINA**

<table>
<thead>
<tr>
<th>Description</th>
<th>A project to begin preparation of a monograph of the macrofossils of the Waccamau Formation of North and South Carolina</th>
</tr>
</thead>
<tbody>
<tr>
<td>Funding Agency</td>
<td>Faculty Research</td>
</tr>
<tr>
<td>Staff</td>
<td>Dr. Jules DuBar</td>
</tr>
<tr>
<td>University Contribution</td>
<td>$324.95</td>
</tr>
</tbody>
</table>