

RESEARCH AND DEVELOPMENT

SUMMARY REPORT

RESEARCH AND DEVELOPMENT PROGRAMS

September 1, 1969 - August 31, 1970

<u>Program</u>	<u>Total Funds</u>
Adult Basic Education Guidance and Counseling Workshop	\$ 4,333.50
Appalachian Adult Basic Education Demonstration Center	365,000.00
Appalachian Adult Basic Education Teacher-Trainer Reading Workshop	52,000.00
Career Opportunities Program	83,336.72
Co-op Program with Maysville City School	21,274.00
CPB Personnel Grant	15,000.00
Crime Control Study	2,095.51
Dialect Survey of Appalachian Region	13,255.00
Expansion Grant for WMKY	86,090.00
Gamma Radiation Study	11,114.00
Head Start Supplementary Training Program	12,207.00
Head Start Supplementary Training Program	10,800.00
Home Economics Education Workshop	2,075.00
In-Service Training Program for Juvenile Counselors	35,681.00
Institute for Vocational Education Personnel	13,250.00
Institutional Grant for Science	10,675.00
Junior High Mathematics Project	39,400.00
Lectureship Program	2,599.60
Library Grant	7,275.00
Project Newgate	200,894.00
Regional Training Officer	19,420.80
Special Services Program	137,715.51
Talent Search	54,000.00
Upward Bound	126,517.00
Urban Affairs Internship Program	17,000.00
Vocational Opportunity Project	550.00
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	\$1,343,558.64

RESEARCH AND DEVELOPMENT

SUMMARY

<u>Year</u>	<u>Total Funds</u>
1969-70	\$1,343,558.64
1968-69	1,315,382.91
1967-68	*2,080,729.00

*Includes \$1,000,000.00 for the construction of the Appalachian Technical Institute.

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

<u>Program</u>	<u>Grant Amount</u>
Plasticizing Porous Materials and Supportive Equipment	\$ 2,893.00
Sex Control in Mammals	2,778.00
Thomas Weston Cardozo	272.00
Comparison of Invertebrate Faunae of Two Aquatic Ecosystems	542.00
Fiction Courses in College Curricula	967.00
Motivational Properties of Frustrative Non-Reward	1,950.20
Survey of Health Education in Elementary of Five Kentucky Counties	564.00
Paragraph Composition	1,640.00
Donor Acceptor Properties	2,000.00
Laboratory Processing of Conodonts	1,983.00
Wilson Administration	666.00
Generalized Inbreeding Coefficient	175.00
Computer Package for the Determination of Recurrent Groups	253.00
Systematics, Paleoecology and Geochronology of Molluscan Assemblages	324.95
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	\$17,008.15

FUNDED PROGRAMS - SEPTEMBER 1, 1969 - AUGUST 31, 1970

FUNDED PROGRAMS - SEPTEMBER 1, 1969 - AUGUST 31, 1970

INSTITUTIONAL GRANT FOR SCIENCE

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

SPECIAL VOCATIONAL OPPORTUNITY PROJECT

Description	A project to train twelve Special Vocational Project Workers in the area of counseling.
Funding Agency	Department of Economic Security
Staff	Dr. Charles W. Riddle
Agency Contribution	\$550.00
University Contribution	-----
TOTAL PROJECT COST	\$550.00
Grant Number	
Period of Grant	January 5, 1970 - January 9, 1970
Reports Due	

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:	
Period of Grant	1970 - 1971
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:	
Director:	Miss Sue Stephenson
Agency Contribution:	\$19,420.80
University Contribution:	---
TOTAL PROJECT COST:	\$19,420.80
Grant Number:	
Period of Grant	
Reports Due:	

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:

\$12,207.00

University Contribution:

TOTAL PROJECT COST:

\$12,207.00

Grant Number:

OEO-B99-5009

Period of Grant:

June 30, 1970 - June 11, 1971

Reports Due:

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:

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 TRADI-
TIONAL SCHOOL TO MEET THE NEEDS OF THE EDUCATIONALLY DISADVANTAGED

Description:	The operational phase of the program for preparation of training and re-organizing 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

Handwritten signature

DATE

GAMMA RADIATION AS A POPULATION CONTROL MECHANISM

Description	A research grant to determine the effects of gamma rays and fast neutrons on tree seed and seedlings.
Funding Agency	Atomic Energy Commission
Staff	Dr. Margaret Heaslip
Agency Contribution	\$ 6,350.00
University Contribution	<u>4,764.00</u>
TOTAL PROJECT COST	\$11,114.00
Grant Number	AT-(40-1)-2066
Period of Grant	October 1, 1969 - September 30, 1970
Reports Due	Progress Report due three months in advance of expiration of contract. Final report due upon termination of grant.

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 SUMMARY

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

22,090

Applicant's share, project cost

University Contribution

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 sent 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:

Personnel	Materials	Equipment	Travel	Total
-0-	-0-	\$64,000	-0-	\$64,000

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	Title I
	15,500.00	Department of Child Welfare
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:	---
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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

CAREER OPPORTUNITIES PROGRAM

Description:

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.

Funding Agency:

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

Agency Contribution:

\$60,536.72 - 75 participants

University Contribution:

22,800.00 - 27 participants

TOTAL PROJECT COST

\$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
July 15, 1971 - Final Narrative and Financial Report

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~~ \$125,922.

University Contribution: ~~\$ 25,303.00~~ 31,481.

TOTAL PROJECT COST \$126,517.00 157,403.

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

PLASTICIZING POROUS MATERIALS AND SUPPORTIVE EQUIPMENT

Description	A research study to refine and develop the process of plasticizing wood and other porous materials and provide supportive equipment for the project.
Funding Agency	Faculty Research
Staff	Mr. Minton E. Whitt
University Contribution	\$2,893.00

SEX CONTROL IN MAMMALS

Description	A research grant to establish guidelines for sex control in farm animals utilizing information established from experimentation with the laboratory mouse.
Funding Agency	Faculty Research
Staff	Dr. James Spears
University Contribution	\$2,778.00

THOMAS WESTON CARDOZO, SCHOULMASTER 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

Description	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.
Funding Agency	Faculty Research
Staff	Dr. Francis Osborne
University Contribution	\$1,950.20

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

Description	A study to determine the status of health education in the elementary schools in Rowan, Bath, Montgomery, Menifee, and Morgan Counties.
Funding Agency	Faculty Research
Staff	Mrs. Elizabeth Sadler
University Contribution	\$564.00

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 ^{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

Faculty Research Grants
1969-1970

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

COMPUTER PACKAGE FOR THE DETERMINATION AND ANALYSIS OF RECURRENT GROUPS

Description	A project to computerize fossil faunal distribution abundance data for various Neogene formations of Southeastern and Southwestern United States.
Funding Agency	Faculty Research
Staff	Dr. Jules DuBar
University Contribution	\$253.00

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

Description	A project to begin preparation of a monograph of the macrofossils of the Waccamau Formation of North and South Carolina
Funding Agency	Faculty Research
Staff	Dr. Jules DuBar
University Contribution	\$324.95