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RESEARCH NEWS

MOREHEAD STATE UNIVERSITY
FOUNDED 1922

INTRODUCTION

Morehead State University is a burgeoning regional university dynamically interested in research activities. Under the leadership of President Adron Doran, a Faculty Research Fund has been established to encourage the pursuit of research interests upon the part of faculty and staff members.

This compilation is a summary of research projects approved for funding by the Faculty Research Committee. This report will give an insight into the composition of University funded projects by listing the researcher, title of research, funding level, and faculty members granted release time for research.

For information concerning application for research funds, inquiries should be forwarded to Dr. David Brumagen, Chairman of the Faculty Research Committee.

Morris L. Norfleet
Vice-President
Research and Development

FACULTY RESEARCH GRANTS

Morehead State University
 Morehead, Kentucky 40351

<u>Researcher</u>	<u>Title of Research</u>	<u>Amount of Grant</u>
Barnes, Dr. Lewis Barnes, Dr. Ruth Helphinstine, Frances	Paragraph Composition on Grade Levels 3-12, Using "Cafael" Sensorial-Evoking Words	\$1,640.00

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.

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Cain, Dr. Rolene	The Generalized Inbreeding Coefficient and the Gener- alized Heterozygosity Index In a Recurrent Selection Program	\$ 666.00
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Description: A study to extend the computer stimulations 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 submitted to a journal of mathematical statistics.

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Chaplin, James R.	Laboratory Processing of Conodonts from Mississippian Rocks, Southwestern Virginia, Adjacent West Virginia and Kentucky	\$1,983.00
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Description: A study of the occurrence and stratigraphic distribution of conodonts in Mississippian age rocks in southwestern Virginia and adjacent West Virginia and Kentucky.

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<u>Researcher</u>	<u>Title of Research</u>	<u>Amount of Grant</u>
Simon, Dr. Verne A.	Donor Acceptor Properties Determined by ^{19}F Nuclear Magnetic Resonance	\$2,000.00

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.

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Spears, Dr. James	Sex Control in Mammals	\$2,778.00
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Description: A research grant to establish guidelines for sex control in farm animals utilizing information established from experimentation with the laboratory mouse.

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Whitt., Minton E.	Plasticizing Porous Materials and Supportive Equipment	\$2,893.00
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Description: A research study to refine and develop the process of plasticizing wood and other porous materials and provide supportive equipment for the project.

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FACULTY GRANTED RELEASE TIME
FOR RESEARCH STUDIES

<u>Name of Researcher</u>	<u>Title of Research</u>
Cain, Dr. Rolene B.	The Generalized Inbreeding Coefficient and the Generalized Heterozygosity Index in a Recurrent Selection Program.
DuBar, Dr. Jules	Stratigraphy Neogene Deposits of the Inner Coastal Plain, South Flank Cape Fear Arch, North and South Carolina. Systematics, Paleoecology and Geochronology of the Molluscan Assemblages of the Waccamau Formation, North and South Carolina. Computer Package for the Determination and Analysis of Recurrent Groups
Hanrahan, Dr. John J.	The Wilson Administration and the Price Rise of 1919-1920
Straley, Dr. H.W.	Earthquakes of Virginia, West Virginia and Tennessee
Whidden, Dr. Charles J.	Nuclear Magnetic Resonance