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Research Catalog



November 2011

PREFACE

FY 2011 RESEARCH CATALOG

The external resources identified in the *Research Catalog* are an indication of the national competitiveness of the universities in the state of Mississippi and of the quality research and sponsored programs they conduct. These resources provide essential funds to the state's public universities which strengthen the research, teaching, and service missions of the universities.

The *Research Catalog* is mandated by the State through the University Research Center Act of 1988 (§ 37-141-17). The publication lists the funding amounts by the sources of funding and by the university disciplines receiving the funding. It is designed for use by state policy makers, the educational community, economic developers, and the general public as a resource to:

1. Assist in developing strong legislative funding support for research,
2. Improve the regional, national, and international image of Mississippi universities as research institutions,
3. Encourage continued and expanded external funding support for state university research and sponsored programs, and
4. Enhance further development of technology transfer and practical applications of research which impact the state's economy.

The *Research Catalog* includes only external awards and non-appropriated state awards for research and sponsored programs. External funds for student financial aid are not included in the totals.

For more specific information about university research programs, contact the designated research official listed for each university. For additional information about the *Research Catalog*, contact the Institutions of Higher Learning Office of Policy Research and Planning at 601-432-6742.

To view the *Research Catalog* online and to download additional copies, visit the web site at <http://www.mississippi.edu/research/stats.html>.

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TABLE OF CONTENTS

Preface	i
Board of Trustees	ii
Institutional Executive Officers.....	iii
Table of Contents	iv
System Summary	1
System History.....	2
System Trend of Federal Funding	3
Federal Funding in Descending Order.....	4
Alcorn State University	5
Delta State University	6
Jackson State University	7
Mississippi State University	8
Mississippi University for Women	9
Mississippi Valley State University.....	10
University of Mississippi with the University of Mississippi Medical Center	11
University of Southern Mississippi	13
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UNIVERSITY RESEARCH GROUPS.....	14
Mississippi University Research Authority (MURA)	15
Mississippi Research Consortium (MRC)	16
Mississippi Education and Research Group (MERG)	17

MISSISSIPPI INSTITUTIONS OF HIGHER LEARNING

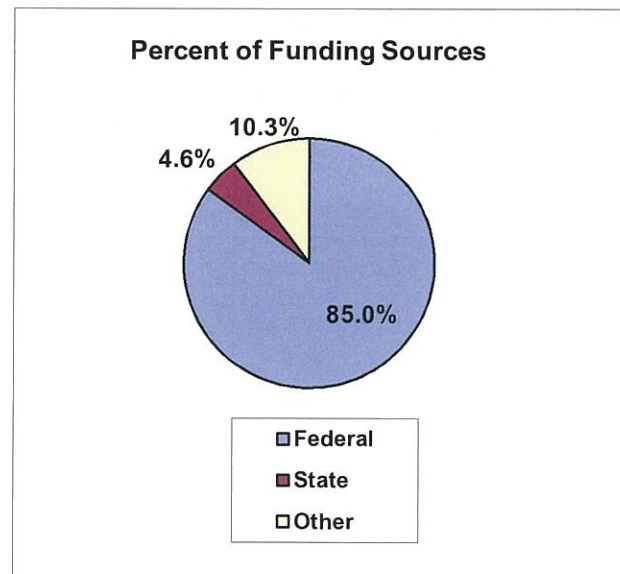
FY 2011 Research Catalog - IHL System Summary

Dr. Hank M. Bounds, Commissioner

Period Covered: July 1, 2010 - June 30, 2011

University		Federal	State	Private/ Corporate/Other	Total Funding Awarded
ASU	\$	29,633,648	\$ -	\$ 1,188,237	\$ 30,821,885
DSU	\$	3,941,759	\$ 201,125	\$ 1,994,859	\$ 6,137,743
JSU	\$	51,241,727	\$ 2,622,515	\$ 3,159,072	\$ 57,023,314
MSU	\$	146,435,812	\$ 8,221,846	\$ 12,002,600	\$ 166,660,258
MUW*	\$	957,135	\$ 4,372	\$ 5,702,514	\$ 6,664,021
MVSU	\$	10,322,884	\$ 1,029,890	\$ 920,681	\$ 12,273,455
UM/UMMC	\$	135,627,784	\$ 7,534,167	\$ 20,688,206	\$ 163,850,157
USM	\$	64,992,003	\$ 4,459,150	\$ 8,273,707	\$ 77,724,860
SYSTEM		\$443,152,752	\$24,073,066	\$53,929,877	\$521,155,694

University	Total Research Projects Supported
ASU	103
DSU	70
JSU	227
MSU	1,145
MUW*	39
MVSU	39
UM/UMMC	556
USM	351
SYSTEM	2,530



Note: * MUW amount includes funds for the Mississippi School for Math and Science.

MISSISSIPPI INSTITUTIONS OF HIGHER LEARNING

System History - Research and Sponsored Programs

Total External Funding Five-Year Comparison

University	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
ASU	\$22,276,206	\$24,563,364	\$26,499,386	\$28,504,626	\$30,821,885
DSU	9,446,711	10,176,004	13,263,122	13,877,250	6,137,743
JSU	66,732,582	58,686,784	66,079,898	68,178,800	57,023,314
MSU	186,509,706	151,426,449	145,982,717	201,621,088	166,660,258
MUW*	7,586,371	7,125,046	7,137,115	6,531,459	6,664,021
MVSU	8,914,390	9,640,678	12,374,960	7,527,441	12,273,455
UM	77,939,971	60,494,424	82,988,530	101,932,683	78,854,347
UMMC	50,033,002	39,703,476	60,867,198	75,368,727	84,995,810
USM	98,616,597	90,578,506	73,744,642	82,801,673	77,724,860
SYSTEM	\$528,055,536	\$452,394,730	\$488,937,568	\$586,343,747	\$521,155,694

Percent Change in Total External Funding

University	FY 2007 to FY 2008	FY 2008 to FY 2009	FY 2009 to FY 2010	FY 2010 to FY 2011
ASU	10.3%	7.9%	7.6%	8.1%
DSU	7.7%	30.3%	4.6%	-55.8%
JSU	-12.1%	12.6%	3.2%	-16.4%
MSU	-18.8%	-3.6%	38.1%	-17.3%
MUW*	-6.1%	0.2%	-8.5%	2.0%
MVSU	8.1%	28.4%	-39.2%	63.0%
UM	-22.4%	37.2%	22.8%	-22.6%
UMMC	-20.6%	53.3%	23.8%	12.8%
USM	-8.2%	-18.6%	12.3%	-6.1%
SYSTEM	-14.3%	8.1%	19.9%	-11.1%

Percent Change in Total Projects Supported

Fiscal Year	# of Projects	% Change
FY 2007	3,056	
FY 2008	2,627	-14.0%
FY 2009	2,511	-4.4%
FY 2010	2,524	0.5%
FY 2011	2,530	0.2%

Note: * MUW amount includes funds for the Mississippi School for Math and Science.

FY 2011 Research and Sponsored Programs
System Trend of Federal External Funding

Funding Source	2009 Total	2010 Total	2011 Total	2010-11 % Change	2009-11 % Change
Appalachian Regional Commission	\$ 847,136	\$ 61,315	\$ 652,781	964.6%	-22.9%
Corporation for National & Community Service	\$ 1,707,619	\$ 1,497,387	\$ 1,448,484	-3.3%	-15.2%
Corporation for Public Broadcasting	\$ 14,738	\$ 169,352	\$ 305,487	80.4%	1972.8%
Engineering Research & Development Center (ERDC)	\$ -	\$ -	\$ 581,346	n/a	n/a
Federal Emergency Management Agency (FEMA)	\$ -	\$ -	\$ 327,750	n/a	n/a
Fund for the Improvement of Postsecondary Education	\$ -	\$ -	\$ 30,491	n/a	n/a
Federal Reserve Bank	\$ 342,553	\$ -	\$ -	n/a	-100.0%
Federal Trade Commission	\$ 4,000	\$ 4,000	\$ -	-100.0%	-100.0%
Health Resource and Services Association	\$ 16,541,843	\$ 16,929,953	\$ 19,658,604	16.1%	18.8%
Incorporated Research Institutions for Seismology	\$ -	\$ -	\$ 738	n/a	n/a
Institute of Museum and Library Sciences	\$ 429,388	\$ 750,000	\$ 357,081	-52.4%	-16.8%
Library of Congress	\$ 124,688	\$ -	\$ -	n/a	-100.0%
Los Alamos National Lab	\$ 32,226	\$ 13,500	\$ -	-100.0%	-100.0%
National Aeronautics and Space Administration	\$ 9,880,875	\$ 9,430,179	\$ 10,806,774	14.6%	9.4%
National Endowment for the Arts	\$ 257,176	\$ 84,258	\$ 43,500	-48.4%	-83.1%
National Endowment for the Humanities	\$ 189,509	\$ 541,325	\$ 355,107	-34.4%	87.4%
National Highway Traffic Safety Administration (NHTSA)	\$ -	\$ -	\$ 1,205,096	n/a	n/a
National Foreign Language Center	\$ 99,786	\$ -	\$ -	n/a	-100.0%
National Institutes of Health	\$ 38,953,456	\$ 51,011,067	\$ 43,253,427	-15.2%	11.0%
National Library of Medicine	\$ -	\$ -	\$ -	n/a	n/a
National Science Foundation	\$ 23,955,124	\$ 36,920,430	\$ 34,287,007	-7.1%	43.1%
National Security Agency	\$ 343,308	\$ 398,720	\$ 45,323	-88.6%	-86.8%
NAVAIR SYSCOM	\$ -	\$ -	\$ 23,637	n/a	n/a
Nuclear Regulatory Commission	\$ -	\$ -	\$ 200,000	n/a	n/a
Oak Ridge Associated Universities	\$ -	\$ -	\$ 5,000	n/a	n/a
SAMSHA	\$ 10,000	\$ 10,000	\$ -	-100.0%	-100.0%
Southern SARE Program	\$ -	\$ -	\$ 92,363	n/a	n/a
Substance Abuse & Mental Health Services Administration	\$ -	\$ -	\$ 91,427	n/a	n/a
Tennessee Valley Authority	\$ 34,929	\$ -	\$ 1,899	n/a	-94.6%
The Aerospace Corporation	\$ -	\$ -	\$ 25,312	n/a	n/a
U.S. Agency of International Development	\$ 2,406,405	\$ 826,022	\$ -	-100.0%	-100.0%
U.S. Army Corps of Engineers	\$ -	\$ -	\$ 1,144,012	n/a	n/a
U.S. Department of Agriculture	\$ 41,816,024	\$ 61,434,073	\$ 47,721,385	-22.3%	14.1%
U.S. Department of Commerce	\$ 48,705,197	\$ 48,639,704	\$ 66,651,976	37.0%	36.8%
U.S. Department of Defense	\$ 46,092,267	\$ 52,210,455	\$ 47,153,821	-9.7%	2.3%
U.S. Department of Education	\$ 33,103,472	\$ 40,753,299	\$ 50,776,620	24.6%	53.4%
U.S. Department of Energy	\$ 27,068,394	\$ 31,039,497	\$ 18,482,645	-40.5%	-31.7%
U.S. Department of Health and Human Services	\$ 34,943,172	\$ 50,184,640	\$ 45,094,522	-10.1%	29.1%
U.S. Department of Homeland Security	\$ 14,540,776	\$ 8,925,623	\$ 8,671,501	-2.8%	-40.4%
U.S. Department of Housing and Urban Development	\$ 2,469,062	\$ 6,791,125	\$ 4,399,999	-35.2%	78.2%
U.S. Department of Interior	\$ 3,243,043	\$ 4,613,930	\$ 6,061,692	31.4%	86.9%
U.S. Department of Justice	\$ 9,670,040	\$ 13,588,989	\$ 10,022,331	-26.2%	3.6%
U.S. Department of Labor	\$ 1,776,272	\$ 726,000	\$ 6,853,460	844.0%	285.8%
U.S. Department of State	\$ 35,450	\$ -	\$ -	n/a	-100.0%
U.S. Department of State Bureau of Educ & Cultural Affairs	\$ 3,422,201	\$ 4,389,611	\$ 3,264,875	-25.6%	-4.6%
U.S. Department of the Treasury	\$ -	\$ -	\$ 36,500	n/a	n/a
U.S. Department of Transportation	\$ 10,177,221	\$ 4,660,862	\$ 4,607,504	-1.1%	-54.7%
U.S. Department of Veterans Affairs	\$ -	\$ 324,567	\$ 137,757	-57.6%	n/a
U.S. Election Assistance Commission	\$ -	\$ 48,471	\$ -	-100.0%	n/a
U.S. Economic Development Administration (USEDA)	\$ -	\$ -	\$ 142,880	n/a	n/a
U.S. Environmental Protection Agency	\$ 1,198,249	\$ 1,322,789	\$ 3,891,138	194.2%	224.7%
U.S. Geological Survey	\$ -	\$ 1,281,046	\$ 50,000	-96.1%	n/a
U.S. Nuclear and Regulatory Commission	\$ 236,869	\$ -	\$ -	n/a	-100.0%
U.S. Small Business Administration	\$ 6,404,979	\$ 4,424,168	\$ 4,169,502	-5.8%	-34.9%
United Negro College Fund	\$ -	\$ -	\$ 20,000	n/a	n/a
Workforce Investment Act	\$ 752,912	\$ 2,706	\$ -	-100.0%	-100.0%
Other Federal	\$ 227,862	\$ 1,004,414	\$ -	-100.0%	-100.0%
Total	\$382,058,222	\$455,013,477	\$443,152,752	-2.6%	16.0%

**Summary of Federal External Funding by Funding Source
in Descending Order of Totals by Source, 2011**

Funding Source	ASU	DSU	JSU	MSU	MUW	MVSU	UM/UMMC	USM	2011 Total
U.S. Department of Commerce	\$ -	\$ -	\$ 546,346	\$ 21,379,279	\$ -	\$ -	\$ 29,233,977	\$ 15,492,374	\$ 66,651,976
U.S. Department of Education	\$ 4,806,516	\$ 580,221	\$ 13,616,716	\$ 18,398,789	\$ 561,069	\$ 7,139,167	\$ 1,100,775	\$ 4,593,367	\$ 50,776,620
U.S. Department of Agriculture	\$ 14,218,659	\$ 79,045	\$ 330,000	\$ 20,629,913	\$ -	\$ 1,181,664	\$ 9,368,611	\$ 1,913,493	\$ 47,721,385
U.S. Department of Defense	\$ 2,855,844	\$ -	\$ 6,169,537	\$ 21,067,688	\$ -	\$ -	\$ 9,105,245	\$ 7,955,506	\$ 47,153,821
U.S. Department of Health and Human Services	\$ 579,883	\$ 59,000	\$ 1,032,490	\$ 13,400,733	\$ 137,613	\$ -	\$ 21,408,481	\$ 8,476,322	\$ 45,094,522
National Institutes of Health	\$ 358,076	\$ -	\$ 11,728,160	\$ 2,844,925	\$ 164,289	\$ -	\$ 28,157,977	\$ -	\$ 43,253,427
National Science Foundation	\$ 88,000	\$ -	\$ 10,866,024	\$ 13,817,716	\$ -	\$ 1,298,141	\$ 3,293,273	\$ 4,923,853	\$ 34,287,007
U.S. Department of Energy	\$ 898,484	\$ -	\$ 2,135,941	\$ 10,772,603	\$ -	\$ -	\$ 3,362,852	\$ 1,312,765	\$ 18,482,645
Health Resource and Services Association	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,754,542	\$ -	\$ 17,754,542
National Aeronautics and Space Administration	\$ -	\$ 10,000	\$ 366,721	\$ 2,037,515	\$ -	\$ -	\$ -	\$ 4,492,541	\$ 10,806,774
U.S. Department of Justice	\$ 1,520,392	\$ 100,000	\$ 90,000	\$ 3,396,616	\$ -	\$ -	\$ 3,899,997	\$ 2,565,323	\$ 10,022,331
U.S. Department of Homeland Security	\$ 917,476	\$ 120,763	\$ 1,061,460	\$ 2,409,407	\$ -	\$ 60,912	\$ 2,350,000	\$ 1,981,058	\$ 8,671,501
U.S. Department of Labor	\$ -	\$ -	\$ -	\$ 5,952,460	\$ -	\$ 643,000	\$ -	\$ 258,000	\$ 6,853,460
U.S. Department of Interior	\$ 400,000	\$ 63,000	\$ -	\$ 1,307,626	\$ -	\$ -	\$ 985,000	\$ 3,326,066	\$ 6,061,692
U.S. Department of Transportation	\$ 65,000	\$ -	\$ 31,500	\$ 1,256,642	\$ -	\$ -	\$ 2,133,207	\$ 1,121,155	\$ 4,607,504
U.S. Department of Housing and Urban Development	\$ 495,000	\$ -	\$ 16,000	\$ 500,000	\$ 55,384	\$ -	\$ -	\$ 3,333,615	\$ 4,399,999
U.S. Small Business Administration	\$ 1,807,228	\$ 90,000	\$ -	\$ 547,659	\$ -	\$ -	\$ 1,199,615	\$ 525,000	\$ 4,169,502
U.S. Environmental Protection Agency	\$ -	\$ -	\$ -	\$ 3,178,948	\$ -	\$ -	\$ -	\$ 712,190	\$ 3,891,138
U.S. Department of State Bureau of Educational and Cultural Affairs	\$ -	\$ 66,710	\$ 3,085,228	\$ -	\$ -	\$ -	\$ -	\$ 112,937	\$ 3,264,875
Health Resource and Services Association	\$ -	\$ 1,904,062	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,904,062
Corporation for National & Community Service	\$ -	\$ 527,696	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,448,484
National Highway Traffic Safety Administration (NHTSA)	\$ -	\$ -	\$ -	\$ 1,205,096	\$ -	\$ -	\$ -	\$ -	\$ 1,205,096
U.S. Army Corps of Engineers	\$ -	\$ 311,262	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,144,012
Appalachian Regional Commission (ARC)	\$ -	\$ -	\$ -	\$ 614,000	\$ 38,781	\$ -	\$ -	\$ 832,750	\$ 1,444,012
Engineering Research & Development Center (ERDC)	\$ -	\$ -	\$ -	\$ 581,346	\$ -	\$ -	\$ -	\$ -	\$ 652,781
Institute of Museum and Library Sciences	\$ -	\$ -	\$ -	\$ 357,081	\$ -	\$ -	\$ -	\$ -	\$ 581,346
National Endowment for the Humanities	\$ 97,603	\$ -	\$ 165,604	\$ -	\$ -	\$ -	\$ -	\$ 91,900	\$ 357,081
Federal Emergency Management Agency (FEMA)	\$ -	\$ -	\$ -	\$ 327,750	\$ -	\$ -	\$ -	\$ -	\$ 355,107
Corporation for Public Broadcasting	\$ 305,487	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 327,750
Nuclear Regulatory Commission	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 305,487
U.S. Economic Development Administration (USEDA)	\$ -	\$ -	\$ -	\$ 142,880	\$ -	\$ -	\$ -	\$ -	\$ 200,000
U.S. Department of Veterans Affairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 142,880
Southern SARE Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 137,757	\$ -	\$ 137,757
Substance Abuse and Mental Health Services Administration	\$ -	\$ -	\$ -	\$ 92,363	\$ -	\$ -	\$ -	\$ -	\$ 92,363
U.S. Geological Survey	\$ -	\$ 50,000	\$ -	\$ 91,427	\$ -	\$ -	\$ -	\$ -	\$ 91,427
National Security Agency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000
National Endowment for the Arts	\$ -	\$ -	\$ -	\$ 45,323	\$ -	\$ -	\$ -	\$ -	\$ 45,323
U.S. Department of the Treasury	\$ -	\$ -	\$ -	\$ 24,000	\$ -	\$ -	\$ 5,000	\$ 14,500	\$ 43,500
Fund for the Improvement of Postsecondary Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36,500	\$ 36,500
The Aerospace Corporation	\$ -	\$ -	\$ -	\$ 30,491	\$ -	\$ -	\$ -	\$ -	\$ 30,491
NAVAIR SYSCOM	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,312	\$ -	\$ 25,312
United Negro College Fund	\$ 20,000	\$ -	\$ -	\$ 23,637	\$ -	\$ -	\$ -	\$ -	\$ 23,637
Oak Ridge Associated Universities	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000
Tennessee Valley Authority (TVA)	\$ -	\$ -	\$ -	\$ 1,899	\$ -	\$ -	\$ 5,000	\$ -	\$ 5,000
Incorporated Research Institutions for Seismology	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,899
Total	\$ 29,633,648	\$ 3,941,759	\$ 51,241,727	\$ 146,435,812	\$ 957,135	\$ 10,322,884	\$ 135,627,784	\$ 64,992,003	\$ 443,152,752

Alcorn State University
Annual Report on Research and Sponsored Programs
July 1, 2010 - June 30, 2011

Dr. M. Christopher Brown II, President
Phone number: 601-877-6111

Alfred L. Galtney, Chief Research Officer
Phone number: 601-877-3965

	Number of	
	Projects	Amount
I. Funding Distribution - College/Division		
Office of Community Development	5	\$ 1,115,000
School of Agriculture, Research, Extension, and Applied Sciences	66	\$ 22,198,794
School of Arts and Sciences	20	\$ 2,133,833
School of Business	2	\$ 119,248
School of Education and Psychology	1	\$ 290,783
School of General College of Excellence	2	\$ 683,134
School of Graduate Studies	2	\$ 738,000
School of Nursing	4	\$ 122,711
Title III Strengthenig Institutional Programs	1	\$ 3,420,382
TOTAL	103	\$ 30,821,885
II. Funding Sources		
FEDERAL External Funding by Agency/Department		
National Endowment for the Humanities	1	\$ 97,603
National Institutes of Health	2	\$ 358,076
National Science Foundation	2	\$ 88,000
Nuclear Regulatory Commission	1	\$ 200,000
U.S. Department of Agriculture	42	\$ 14,218,659
U.S. Department of Defense	4	\$ 2,855,844
U.S. Department of Education	5	\$ 4,806,516
U.S. Department of Energy	4	\$ 898,484
U.S. Department of Health and Human Services	4	\$ 579,883
U.S. Department of Homeland Security	3	\$ 917,476
U.S. Department of Housing and Urban Development	1	\$ 495,000
U.S. Department of Interior	1	\$ 400,000
U.S. Department of Justice	1	\$ 1,520,392
U.S. Department of Transportation	1	\$ 65,000
U.S. Small Business Administration	3	\$ 1,807,228
United Negro College Fund	1	\$ 20,000
Corporation for Public Broadcasting	4	\$ 305,487
TOTAL Federal Sources	80	\$ 29,633,648
STATE, PRIVATE, CORPORATE, OTHER External Funding by		
State Funding [other than general appropriation]	0	\$ -
State of Mississippi Agencies	5	\$ 438,298
Private/Corporate Business and Industry	1	\$ 54,750
Foundations and Non-Profit Groups	6	\$ 188,011
Other State Governments	0	\$ -
Other In-State Universities	8	\$ 447,347
Other Out-of-State Universities	3	\$ 59,831
Local Governments	0	\$ -
Foreign Governments & Organizations	0	\$ -
Other [all other sources not listed above]	0	\$ -
TOTAL STATE, PRIVATE, CORPORATE, and OTHER Sources	23	\$ 1,188,237
GRAND TOTAL of ALL EXTERNAL FUNDING	103	\$ 30,821,885

Delta State University
Annual Report on Research and Sponsored Programs
July 1, 2010 - June 30, 2011

Dr. John Hilpert, President
Phone number: 662-846-4000

Robin Boyles, Chief Research Officer
Phone number: 662-846-4804

		Number of	
		Projects	Amount
I. Funding Distribution - College/Division			
Archives	2	\$	5,920
Bologna Performing Arts Center	4	\$	13,000
Center for Community and Economic Development	15	\$	1,091,335
Coahoma County Higher Education Center	1	\$	19,372
College of Arts and Sciences	20	\$	1,893,410
College of Business	3	\$	366,710
College of Education	10	\$	1,071,700
Delta Center for Culture and Learning	2	\$	246,500
Department of Athletics	1	\$	18,830
Office of Graduate and Continuing Studies	1	\$	30,000
Office of the President - Admissions	4	\$	331,840
School of Nursing	7	\$	1,049,126
TOTAL	70	\$	6,137,743
II. Funding Sources:			
FEDERAL External Funding by Agency/Department			
Federal Funding Source			
Corporation for National & Community Service	3	\$	527,696
Health Resource and Services Association	13	\$	1,904,062
National Aeronautics and Space Administration	1	\$	10,000
U.S. Army Corps of Engineers	1	\$	311,262
U.S. Department of Agriculture	2	\$	79,045
U.S. Department of Education	5	\$	560,221
U.S. Department of Health and Human Services	1	\$	59,000
U.S. Department of Homeland Security	2	\$	120,763
U.S. Department of Interior	1	\$	63,000
U.S. Department of Justice	1	\$	100,000
U.S. Department of State Bureau of Educational and Cultural Affairs	1	\$	66,710
U.S. Geological Survey	2	\$	50,000
U.S. Small Business Administration	1	\$	90,000
TOTAL Federal Sources	34	\$	3,941,759
STATE, PRIVATE, CORPORATE, OTHER External Funding by			
State Funding [other than general appropriation]	0	\$	-
State of Mississippi Agencies	5	\$	201,125
Private/Corporate Business and Industry	6	\$	769,500
Foundations and Non-Profit Groups	21	\$	1,058,654
Other State Governments	1	\$	29,000
Other In-State Universities	3	\$	137,705
Other Out-of-State Universities	0	\$	-
Local Governments	0	\$	-
Foreign Governments & Organizations	0	\$	-
Other [all other sources not listed above]	0	\$	-
TOTAL STATE, PRIVATE, CORPORATE, and OTHER Sources	36	\$	2,195,984
GRAND TOTAL of ALL EXTERNAL FUNDING	70	\$	6,137,743

JACKSON STATE UNIVERSITY
Annual Report on Research and Sponsored Programs
July 1, 2010 - June 30, 2011

Dr. Carolyn Meyers, President
Phone number: 601-979-2323

Dr. Felix A. Okojie, Chief Research Officer
Phone number: 601-979-2931

	Number of	
I. Funding Distribution - College/Division	Projects	Amount
College of Science, Engineering & Technology	113	\$ 28,745,536
Office of Research Development & Federal Relations	36	\$ 19,254,262
Division of International Studies	11	\$ 3,158,186
College of Public Service	18	\$ 1,283,202
College of Education & Human Development	8	\$ 1,193,727
College of Liberal Arts	11	\$ 1,029,777
College of Business	7	\$ 675,973
College of Lifelong Learning	10	\$ 539,195
Division of Student Life	7	\$ 534,083
Office of the President	3	\$ 443,373
Division of Graduate Studies	2	\$ 158,000
Vice President for Finance	1	\$ 8,000
TOTAL	227	\$ 57,023,314
II. Funding Sources		
FEDERAL External Funding by Agency/Department		
National Aeronautics and Space Administration	6	\$ 366,721
National Endowment for the Humanities	2	\$ 165,604
National Institutes of Health	29	\$ 11,728,160
National Science Foundation	35	\$ 10,866,024
U.S. Department of Agriculture	2	\$ 330,000
U.S. Department of Commerce	4	\$ 546,346
U.S. Department of Defense	17	\$ 6,169,537
U.S. Department of Education	18	\$ 13,616,716
U.S. Department of Energy	6	\$ 2,135,941
U.S. Department of Health and Human Services	11	\$ 1,032,490
U.S. Department of Homeland Security	4	\$ 1,061,460
U.S. Department of Housing and Urban Development	1	\$ 16,000
U.S. Department of Justice	1	\$ 90,000
U.S. Department of State Bureau of Educational and Cultural Affairs	7	\$ 3,085,228
U.S. Department of Transportation	7	\$ 31,500
TOTAL Federal Sources	150	\$ 51,241,727
STATE, PRIVATE, CORPORATE, OTHER External Funding by		
State Funding [other than general appropriation]	0	\$ -
State of Mississippi Agencies	31	\$ 2,622,515
Private/Corporate Business and Industry	31	\$ 1,810,443
Foundations and Non-Profit Groups	15	\$ 1,348,629
Other State Governments	0	\$ -
Other In-State Universities	0	\$ -
Other Out-of-State Universities	0	\$ -
Local Governments	0	\$ -
Foreign Governments & Organizations	0	\$ -
Other [all other sources not listed above]	0	\$ -
TOTAL STATE, PRIVATE, CORPORATE, and OTHER Sources	77	\$ 5,781,587
GRAND TOTAL of ALL EXTERNAL FUNDING	227	\$ 57,023,314

Mississippi State University
Annual Report on Research and Sponsored Programs
July 1, 2010 - June 30, 2011

President: Dr. Mark E. Keenum
Phone number: 662-325-3221

Dr. David Shaw, Chief Research Officer:
Phone number: 662-325-3570

	Number of Projects	Amount
I. Funding Distribution - College/Division		
Architecture	19	\$ 637,659
Arts and Sciences	55	\$ 6,495,948
Branch Campuses	8	\$ 392,551
Business and Industry	6	\$ 445,308
Centers and Institutes	96	\$ 38,182,005
Education	105	\$ 16,796,690
Engineering	128	\$ 39,138,355
FWRC	114	\$ 5,181,956
General Administration	3	\$ 3,336,981
Graduate	3	\$ 189,000
Library	1	\$ 4,250
MAFES/CALS	406	\$ 22,719,412
MSU-ES	164	\$ 19,986,990
Veterinary Medicine	27	\$ 4,012,598
Vice President Research	6	\$ 8,385,793
Vice President Student Affairs	4	\$ 754,762
TOTAL	1145	\$ 166,660,258
II. Funding Sources		
FEDERAL External Funding by Agency/Department		
Appalachian Regional Commission (ARC)	4	\$ 614,000
Engineering Research & Development Center (ERDC)	6	\$ 581,346
Federal Emergency Management Agency (FEMA)	1	\$ 327,750
Fund for the Improvement of Postsecondary Education	1	\$ 30,491
Institute of Museum and Library Sciences	1	\$ 357,081
National Aeronautics and Space Administration	32	\$ 2,037,515
National Endowment for the Arts	3	\$ 24,000
National Highway Traffic Safety Administration (NHTSA)	4	\$ 1,205,096
National Institutes of Health	20	\$ 2,844,925
National Science Foundation	37	\$ 13,817,716
National Security Agency	2	\$ 45,323
NAVAIR SYSCOM	1	\$ 23,637
Southern SARE Program	1	\$ 92,363
Substance Abuse and Mental Health Services Administration	2	\$ 91,427
Tennessee Valley Authority (TVA)	2	\$ 1,899
U.S. Department of Agriculture	137	\$ 20,629,913
U.S. Department of Commerce	28	\$ 21,379,279
U.S. Department of Defense	57	\$ 21,067,688
U.S. Economic Development Administration (USEDA)	1	\$ 142,880
U.S. Department of Education	73	\$ 18,398,789
U.S. Department of Energy	31	\$ 10,772,603
U.S. Department of Health and Human Services	27	\$ 13,400,733
U.S. Department of Homeland Security	13	\$ 2,409,407
U.S. Department of Housing and Urban Development	1	\$ 500,000
U.S. Department of Interior	16	\$ 1,307,626
U.S. Department of Justice	7	\$ 3,396,616
U.S. Department of Labor	11	\$ 5,952,460
U.S. Department of Transportation	5	\$ 1,256,642
U.S. Environmental Protection Agency	9	\$ 3,178,948
U.S. Small Business Administration	2	\$ 547,659
TOTAL	535	\$ 146,435,812
STATE, PRIVATE, CORPORATE, OTHER External Funding by		
State Funding [other than general appropriation]	0	\$ -
State of Mississippi Agencies	62	\$ 8,221,846
Private/Corporate Business and Industry	364	\$ 4,690,201
Foundations and Non-Profit Groups	151	\$ 6,264,773
Other State Governments	6	\$ 368,324
Other In-State Universities	1	\$ 108,000
Other Out-of-State Universities	7	\$ 278,369
Local Governments	14	\$ 203,976
Foreign Governments & Organizations	5	\$ 88,956
Other [all other sources not listed above]	0	\$ -
TOTAL STATE, PRIVATE, CORPORATE, and OTHER Sources	610	\$ 20,224,447
GRAND TOTAL of ALL EXTERNAL FUNDING	1145	\$ 166,660,258

**Mississippi University for Women
Annual Report on Research and Sponsored Programs
July 1, 2010 - June 30, 2011**

**Allegra Brigham, Interim President
Phone number 662-329-7145**

**Ms Nora Miller, Vice President for Finance and Administration
Phone number: 662-329-7145**

	Number of Projects	Amount
I. Funding Distribution - College/Division		
Academic Support ***	3	\$ 4,661,030
College of Education and Human Sciences	7	\$ 457,232
College of Nursing	7	\$ 345,053
Department of Sciences & Mathematics	14	\$ 1,046,420
Other Units	8	\$ 154,287
***Includes total for Mississippi School for Math and Science of		\$ 4,645,334
TOTAL	39	\$ 6,664,021
II. Funding Sources		
FEDERAL External Funding by Agency/Department		
Applacian Regional Commission	1	\$ 38,781
National Institutes of Health	2	\$ 164,289
U.S. Department of Education	7	\$ 561,069
U.S. Department of Health and Human Services	3	\$ 137,613
U.S. Department of Housing and Urban Development	1	\$ 55,384
TOTAL	14	\$ 957,135
STATE, PRIVATE, CORPORATE, OTHER External Funding by		
State Funding [other than general appropriation]	0	\$ -
State of Mississippi Agencies	5	\$ 4,372
Private/Corporate Business and Industry	4	\$ 235,553
Foundations and Non-Profit Groups	2	\$ 67,448
Other State Governments	7	\$ 5,263,197
Other In-State Universities	7	\$ 136,316
Other Out-of-State Universities	0	\$ -
Local Governments	0	\$ -
Foreign Governments & Organizations	0	\$ -
Other [all other sources not listed above]	0	\$ -
TOTAL STATE, PRIVATE, CORPORATE, and OTHER Sources	25	\$ 5,706,887
GRAND TOTAL of ALL EXTERNAL FUNDING	39	\$ 6,664,021

Mississippi Valley State University
Annual Report on Research and Sponsored Programs
July 1, 2010 - June 30, 2011

Donna H. Oliver, PhD, President
Phone Number: 662-254-3524

Chief Research Officer
Phone Number: 662-254-3434

	Number of Projects	Amount
I. Funding Distribution - College/Division, Etc.		
Division of Business Finance	10	\$ 1,980,201
Division of Academic Affairs	26	\$ 10,238,254
Division of Student Affairs	3	\$ 55,000
TOTAL	39	\$ 12,273,455
II. Funding Sources		
FEDERAL External Funding by Agency/Department		
National Science Foundation	5	\$ 1,298,141
U.S. Department of Agriculture	7	\$ 1,181,664
U.S. Department of Education	8	\$ 7,139,167
U.S. Department of Homeland Security	1	\$ 60,912
U.S. Department of Labor	2	\$ 643,000
TOTAL	23	\$ 10,322,884
STATE, PRIVATE, CORPORATE, OTHER External Funding by		
State Funding [other than general appropriation]	0	\$ -
State of Mississippi Agencies	9	\$ 1,029,890
Private/Corporate Business and Industry	7	\$ 920,681
Foundations and Non-Profit Groups	0	\$ -
Other State Governments	0	\$ -
Other In-State Universities	0	\$ -
Other Out-of-State Universities	0	\$ -
Local Governments	0	\$ -
Foreign Governments & Organizations	0	\$ -
Other [<u>all other sources not listed above</u>]	0	\$ -
TOTAL STATE, PRIVATE, CORPORATE, and OTHER Sources	16	\$ 1,950,571
GRAND TOTAL of <u>ALL</u> EXTERNAL FUNDING	39	\$ 12,273,455

University of Mississippi
Annual Report on Research and Sponsored Programs
July 1, 2010 - June 30, 2011

Dr. Daniel W. Jones, Chancellor
Dr. Alick M. Clark, Vice Chancellor for Research and Sponsored Programs
Phone number: 662-915-7482
Dr. James Keeton, Vice Chancellor for Health Affairs
Phone number: 601-984-1010

I. Funding Distribution - College/Division, Etc.	Number of	Amount
A. Oxford Campus		
Barksdale Reading Institute	3	\$ 588,069
Center for Water and Wetland Resources	2	\$ 31,936
College of Liberal Arts	75	\$ 5,869,786
Division of Outreach and Continuing Education	9	\$ 240,820
Facilities Planning	1	\$ 40,724
Field Station	1	\$ 20,000
Financial Aid	2	\$ 80,254
Graduate School	2	\$ 764,192
International Programs	2	\$ 2,800
Jamie Whitten National Center for Physical Acoustics	39	\$ 7,805,653
National Food Service Management Institute	5	\$ 6,228,820
National Institute for Undersea Science & Technology	5	\$ 3,058,039
Office of Research and Sponsored Programs	5	\$ 1,287,088
Office of the Chancellor	1	\$ 252,000
School of Applied Sciences (not including NSFMI)	9	\$ 3,061,585
School of Business Administration	5	\$ 977,615
School of Education	12	\$ 935,403
School of Engineering (not including NCCHE)	30	\$ 8,934,925
National Center for Computational Hydroscience and Engineering	9	\$ 2,125,042
School of Law	10	\$ 5,823,503
School of Pharmacy (not including NCNPR)	41	\$ 18,400,275
National Center for Natural Products Research	12	\$ 10,625,667
Student Health Services	1	\$ 35,771
University Libraries	1	\$ 4,000
University Procurement	3	\$ 1,660,380
Total Oxford	285	\$ 78,854,347
B. Medical Center		
Office of Strategic Research Alliances	3	\$ 13,985,503
School of Dentistry	8	\$ 2,770,946
School of Health Related Professions	11	\$ 403,215
School of Medicine	235	\$ 60,626,873
School of Nursing	12	\$ 6,787,649
Teaching Hospital	2	\$ 421,624
Total Medical Center	271	\$ 84,995,810
TOTAL (UM + UMMC)	556	\$ 163,850,157

University of Mississippi
Annual Report on Research and Sponsored Programs
July 1, 2010 - June 30, 2011

Dr. Daniel W. Jones, Chancellor
Dr. Alick M. Clark, Vice Chancellor for Research and Sponsored Programs
Phone 662-915-7482
Dr. James Keeton, Vice Chancellor for Health Affairs
Phone 601-984-1010

II. Funding Sources

FEDERAL External Funding by Agency/Department and

Health Resource and Services Association	53	\$	17,754,542
National Aeronautics and Space Administration	5	\$	3,899,997
National Endowment for the Arts	1	\$	5,000
National Institutes of Health	108	\$	28,157,977
National Science Foundation	20	\$	3,293,273
U.S. Department of Agriculture	13	\$	9,368,611
U.S. Department of Commerce	5	\$	29,233,977
U.S. Department of Defense	25	\$	9,105,245
U.S. Department of Education	6	\$	1,100,775
U.S. Department of Energy	11	\$	3,362,852
U.S. Department of Health and Human Services	27	\$	21,408,481
U.S. Department of Homeland Security	4	\$	2,120,425
U.S. Department of Interior	4	\$	965,000
U.S. Department of Justice	2	\$	2,350,000
U.S. Department of Transportation	3	\$	2,133,207
U.S. Department of Veterans Affairs	2	\$	137,757
U.S. Small Business Administration	5	\$	1,199,615
Incorporated Research Institutions for Seismology	1	\$	738
Oak Ridge Associated Universities	1	\$	5,000
The Aerospace Corporation	1	\$	25,312
TOTAL	297	\$	135,627,784

STATE, PRIVATE, CORPORATE, OTHER External Funding by

State Funding [other than general appropriation]	0	\$	-
State of Mississippi Agencies	57	\$	7,534,167
Private/Corporate Business and Industry	66	\$	9,193,519
Foundations and Non-Profit Groups	107	\$	9,841,857
Other State Governments	4	\$	46,635
Other In-State Universities	0	\$	-
Other Out-of-State Universities	13	\$	871,299
Local Governments	6	\$	60,280
Foreign Governments & Organizations	6	\$	674,616
Other [all other sources not listed above]	0	\$	-
TOTAL STATE, PRIVATE, CORPORATE, and OTHER Sources	259	\$	28,222,373

GRAND TOTAL of ALL EXTERNAL FUNDING	556	\$	163,850,157
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University of Southern Mississippi
Annual Report on Research and Sponsored Programs
July 1, 2010 - June 30, 2011

Martha D. Saunders, President
Phone number: 601-266-5001

Denis Wiesenburg, Chief Research Officer:
Phone number: 601-266-5116

I. Funding Distribution - College/Division	Number of	
	Projects	Amount
College of Arts and Letters	20	\$ 1,620,697
College of Business	1	\$ 36,000
College of Education and Psychology	53	\$ 3,082,428
College of Health	49	12523858
College of Science and Technology	159	38292585
Gulf Coast Vice President	2	\$ 531,000
Office of Student Affairs	0	0
Office of the President	3	\$ 1,600,887
Office of the Provost	4	1076704
Office of the Vice President for Research	58	\$ 18,959,701
University Libraries	2	1000
Total	351	\$ 77,724,860

II. Funding Sources	Number of	
	Projects	Amount
Federal Funding Source		
Corporation for National & Community Service	6	\$ 920,788
National Aeronautics and Space Administration	19	\$ 4,492,541
National Endowment for the Arts	3	\$ 14,500
National Endowment for the Humanities	8	\$ 91,900
National Science Foundation	24	\$ 4,923,853
U.S. Army Corps of Engineers	2	\$ 832,750
U.S. Department of Agriculture	7	\$ 1,913,493
U.S. Department of Commerce	34	\$ 15,492,374
U.S. Department of Defense	14	\$ 7,955,506
U.S. Department of Education	25	\$ 4,593,367
U.S. Department of Energy	5	\$ 1,312,765
U.S. Department of Health and Human Services	31	\$ 8,476,322
U.S. Department of Homeland Security	3	\$ 1,981,058
U.S. Department of Housing and Urban Development	4	\$ 3,333,615
U.S. Department of Interior	19	\$ 3,326,066
U.S. Department of Justice	9	\$ 2,565,323
U.S. Department of Labor	2	\$ 258,000
U.S. Department of State Bureau of Educational & Cultural Affairs	1	\$ 112,937
U.S. Department of Transportation	4	\$ 1,121,155
U.S. Department of the Treasury	1	\$ 36,500
U.S. Environmental Protection Agency	7	\$ 712,190
U.S. Small Business Administration	2	\$ 525,000
TOTAL	230	\$ 64,992,003

STATE, PRIVATE, CORPORATE, OTHER External Funding by		
State Funding [other than general appropriation]	0	\$ -
State of Mississippi Agencies	39	\$ 4,459,150
Private/Corporate Business and Industry	36	\$ 5,403,577
Foundations and Non-Profit Groups	46	\$ 2,870,130
Other State Governments	0	\$ -
Other In-State Universities	0	\$ -
Other Out-of-State Universities	0	\$ -
Local Governments	0	\$ -
Foreign Governments & Organizations	0	\$ -
Other [all other sources not listed above]	0	\$ -
TOTAL STATE, PRIVATE, CORPORATE, and OTHER Sources	121	\$ 12,732,857

GRAND TOTAL of ALL EXTERNAL FUNDING	351	\$ 77,724,860
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University Research Groups

Mississippi University Research Authority

(MURA)

The primary role of the Mississippi University Research Authority (MURA), which was authorized in 1992 through the Mississippi University Research Authority Act, is to promote the public welfare and prosperity of the people of Mississippi and to foster economic development within the state by forging links among the state's educational institutions, businesses and industrial communities, and state government through the development of cooperative ventures of innovative technological significance which will advance education, research, or economic development within the state. These ventures facilitate the commercialization of technologies developed or discovered in campus environments and enhance the economic development of the state through such commercialization. Before the MURA Act was passed, the ethics laws of Mississippi effectively prohibited university faculty from commercializing their research. These laws were established to prohibit public servants from engaging in activities which would be in conflict with their public positions. Although the ethics laws were directed toward public officials, the language in the laws is such that attempts to commercialize technology by faculty members of a university could be construed as a violation of the laws.

MURA membership is composed of the University Research Vice-Presidents from the three comprehensive public universities and from the urban public university, a representative from the Mississippi Development Authority, the president of the Mississippi Resource Development Corporation, the president of the Mississippi Education Research Group (MERG), and the Vice President of the Board of Trustees of State Institutions of Higher Learning. The Commissioner of Higher Education serves as an ex officio member. The Executive Director is selected by the MURA membership.

MURA was established in such a way that there is an extensive review process for any proposal for technology transfer or commercialization. The process is initiated with the Chief Research Officer of the affected university. The proposal is then recommended to the Institutional Executive Officer, who must certify that there is no conflict with the university and that the participation of the faculty member in the commercialization of the technology will not bring harm to the university or to the economic development of the state. The Institutional Executive Officer then recommends that the proposal be reviewed by the MURA Board, which objectively assesses the nature of the proposed commercialization. This process of full disclosure and evaluation first by the university and then by the MURA Board serves to assure that each proposal is of economic interest to the state and is not in conflict with the interests or commitments of the state, the university, or the faculty member(s).

MURA enables faculty members who conceive of new technologies to copyright and/or patent their discoveries, to participate in the development of the technologies, and to realize some commercial benefit. It allows individuals who have developed or discovered new technologies through campus-based research to be a part of new, spin-off businesses in Mississippi, rather than being forced to channel their discoveries through agencies and businesses outside Mississippi, thus allowing the state to realize the economic benefits of the commercialization. The impact from research at the universities, particularly when commercialization occurs, can be far reaching and long-term. The MURA process for facilitating technology transfer and commercialization holds tremendous future possibilities for the state of Mississippi.

Mississippi Research Consortium

(MRC)

The Mississippi Research Consortium aims to develop and sustain nationally competitive research programs in the state of Mississippi. Alongside supporting basic and applied research, the consortium has several additional goals: first, to increase public awareness of science, engineering, and mathematics at all educational levels in order to develop a scientifically literate citizenry who can fuel the science and engineering industry in Mississippi with the state's own human resources; second, to establish and maintain a solid scientific infrastructure in our university system by developing equipment and facility resources, collaboration resources, private sector links, and federal laboratory partnerships; and third, to expand the state's economic opportunities through technology and knowledge transfer activities, including greater commercialization, increased technical assistance, and the education of a workforce that can support technology-based industries.

Formed in 1986, the Mississippi Research Consortium (MRC) includes Mississippi's four research universities: Jackson State University, Mississippi State University, the University of Mississippi, and the University of Southern Mississippi. The MRC's Board of Directors is made up of the Chief Research Officers from these institutions. The board serves as the Science and Technology Research Advisors to both the Governor and the Legislature and holds the responsibility of integrating science and technology initiatives with economic development plans in Mississippi. The creation of the Mississippi Universities Research Authority (MURA) Act of 1992 was the product of the Mississippi Research Consortium Technology Transfer Task Force's collaboration with the Board of Trustees of State Institutions of Higher Learning.

Mississippi Education and Research Group

(MERG)

The Mississippi Education and Research Group (MERG) was established in 1990 with representation from each of the eight public universities in the state. The primary goals of MERG are to promote collaboration, resource sharing, and communication concerning education and research matters that have an impact on all of the public universities. The result of these efforts is that opportunities which would have been outside the budgetary capabilities of an individual university are made available to the universities through MERG.

The conception of and the need for the establishment of MERG originated in the Mississippi Research Consortium (MRC), comprised of the Chief Research Officers of the four research universities (Jackson State University, Mississippi State University, the University of Mississippi, and the University of Southern Mississippi). The MRC had successfully promoted collaborative research and collaborative funding among themselves. However, MRC realized that Mississippi would best be served if a separate organization was created for the coordination of statewide projects. Additionally, this new organization provided a vehicle for sharing the research and education expertise of the research universities with the four other universities (Alcorn State University, Delta State University, Mississippi University for Women, and Mississippi Valley State University).

MERG was initially involved with two projects, the Mississippi Alliance for Minority Participation (MAMP) and the Rural Science Initiative (RSI). However, many new and important outcomes have evolved from the activities of MERG. The accomplishments and initiatives of MERG may best be reviewed in three broad categories: (1) Educational Efforts, (2) Research Efforts, and (3) Administrative and Legal Consulting.

Educational Efforts: MERG served as the coordinating agent for the development of the Mississippi Alliance for Minority Participation, a major grant from the National Science Foundation which provides financial and academic support to under-represented minorities wishing to pursue careers in science, engineering, and mathematics. MERG members worked from a nuclear concept, developing plans for each of the universities and continuing as the primary coordinating group in the oversight of changes and new directions throughout the program's implementation. MERG has also served in the coordinating role for the successful Rural Science Initiative Grant, which supports public school education in Mississippi, Louisiana, and Arkansas, and has developed a proposal for science-humanities initiatives in undergraduate teaching.

Research Efforts: The MRC developed and received major research funding under the Experiential Program to Stimulate Competitive Research (EPSCoR) programs, designed to advance the research capabilities of universities in selected states. Numerous collaborative research projects have resulted among the research universities. MERG has served as a means of disseminating related research opportunities to the regional universities and of sharing both human resources and research facilities among all eight public universities. MERG has also made contacts with the National Science Foundation about developing proposals to support the use of the Internet as a research resource and for research discussion groups.

Administrative and Legal Consulting: Through MERG, the research universities, which have major grants and development offices, have been able to provide assistance to the regional universities concerning grant proposals, rapidly changing federal regulations, and sources of funding.