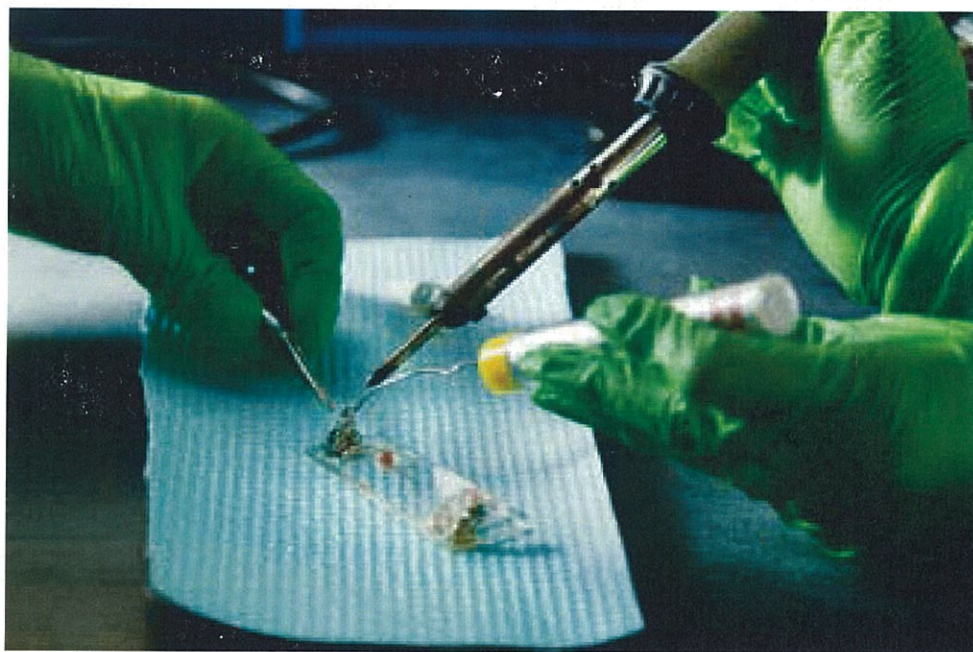


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Research Catalog



November 2010

PREFACE

FY 2010 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>.

**BOARD OF TRUSTEES
STATE INSTITUTIONS of HIGHER LEARNING**

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Mississippi State University

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MISSISSIPPI INSTITUTIONS OF HIGHER LEARNING

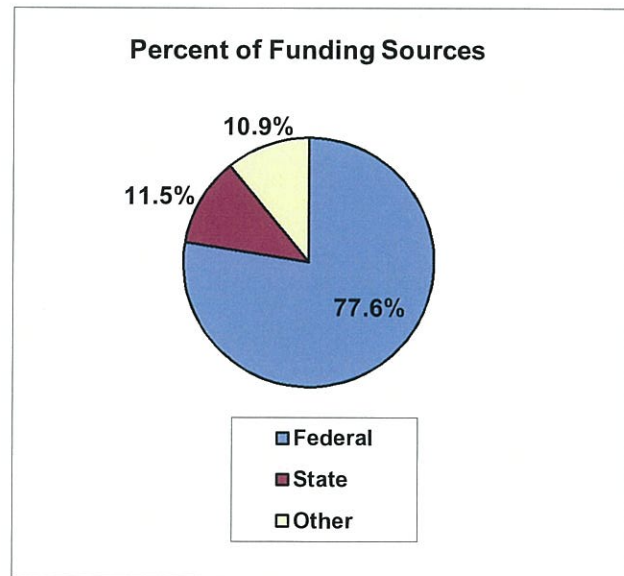
FY 2010 Research Catalog - IHL System Summary

Dr. Hank M. Bounds, Commissioner

Period Covered: July 1, 2009 - June 30, 2010

University	Federal	State	Private/ Corporate/Other	Total Funding Awarded
ASU	\$27,092,119	\$0	\$1,412,507	\$28,504,626
DSU	11,550,450	328,140	1,998,660	\$13,877,250
JSU	61,899,820	4,181,861	2,097,119	\$68,178,800
MSU	123,036,342	41,483,165	37,101,581	\$201,621,088
MUW*	811,140	276,612	5,443,707	\$6,531,459
MVSU	7,517,441	0	10,000	\$7,527,441
UM/UMMC	149,738,213	15,922,581	11,640,616	\$177,301,410
USM	73,367,952	4,967,458	4,466,263	\$82,801,673
SYSTEM	\$455,013,477	\$67,159,817	\$64,170,453	\$586,343,747

University	Total Research Projects Supported
ASU	89
DSU	65
JSU	192
MSU	1,153
MUW*	34
MVSU	12
UM/UMMC	616
USM	363
SYSTEM	2,524



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 2006	FY 2007	FY 2008	FY 2009	FY 2010
ASU	\$24,372,640	\$22,276,206	\$24,563,364	\$26,499,386	\$28,504,626
DSU	6,858,729	9,446,711	10,176,004	13,263,122	13,877,250
JSU	56,040,700	66,732,582	58,686,784	66,079,898	68,178,800
MSU	154,744,232	186,509,706	151,426,449	145,982,717	201,621,088
MUW*	7,564,958	7,586,371	7,125,046	7,137,115	6,531,459
MVSU	10,295,321	8,914,390	9,640,678	12,374,960	7,527,441
UM	63,641,569	77,939,971	60,494,424	82,988,530	101,932,683
UMMC	39,254,134	50,033,002	39,703,476	60,867,198	75,368,727
USM	102,095,604	98,616,597	90,578,506	73,744,642	82,801,673
SYSTEM	\$464,867,887	\$528,055,536	\$452,394,730	\$488,937,568	\$586,343,747

Percent Change in Total External Funding

University	FY 2006 to FY 2007	FY 2007 to FY 2008	FY 2008 to FY 2009	FY 2009 to FY 2010
ASU	-8.6%	10.3%	7.9%	7.6%
DSU	37.7%	7.7%	30.3%	4.6%
JSU	19.1%	-12.1%	12.6%	3.2%
MSU	20.5%	-18.8%	-3.6%	38.1%
MUW*	0.3%	-6.1%	0.2%	-8.5%
MVSU	-13.4%	8.1%	28.4%	-39.2%
UM	22.5%	-22.4%	37.2%	22.8%
UMMC	27.5%	-20.6%	53.3%	23.8%
USM	-3.4%	-8.2%	-18.6%	12.3%
SYSTEM	13.6%	-14.3%	8.1%	19.9%

Percent Change in Total Projects Supported

Fiscal Year	# of Projects	% Change
FY 2006	3,586	
FY 2007	3,056	-14.8%
FY 2008	2,627	-14.0%
FY 2009	2,511	-4.4%
FY 2010	2,524	0.5%

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

**FY 2010 Research and Sponsored Programs
System Trend of Federal External Funding**

Funding Source	2008 Total	2009 Total	2010 Total	2009-10 % Change	2008-10 % Change
Appalachian Regional Commission	\$ -	\$ 847,136	\$ 61,315	-92.8%	n/a
Corporation for National & Community Service	\$ 1,069,286	\$ 1,707,619	\$ 1,497,387	-12.3%	40.0%
Corporation for Public Broadcasting	\$ -	\$ 14,738	\$ 169,352	1049.1%	n/a
Federal Reserve Bank	\$ -	\$ 342,553	\$ -	n/a	n/a
Federal Trade Commission	\$ -	\$ 4,000	\$ 4,000	0.0%	n/a
Health Resource and Services Association	\$ -	\$ 16,541,843	\$ 16,929,953	2.3%	n/a
Institute of Museum and Library Sciences	\$ 1,718,746	\$ 429,388	\$ 750,000	74.7%	-56.4%
Library of Congress	\$ -	\$ 124,688	\$ -	n/a	n/a
Los Alamos National Lab	\$ -	\$ 32,226	\$ 13,500	-58.1%	n/a
National Aeronautics and Space Administration	\$ 4,538,839	\$ 9,880,875	\$ 9,430,179	-4.6%	107.8%
National Endowment for the Arts	\$ 9,000	\$ 257,176	\$ 84,258	-67.2%	836.2%
National Endowment for the Humanities	\$ 147,221	\$ 189,509	\$ 541,325	185.6%	267.7%
National Foreign Language Center	\$ -	\$ 99,786	\$ -	-100.0%	n/a
National Institutes of Health	\$ 15,061,650	\$ 38,953,456	\$ 51,011,067	31.0%	238.7%
National Library of Medicine	\$ 5,215	\$ -	\$ -	n/a	n/a
National Science Foundation	\$ 25,856,872	\$ 23,955,124	\$ 36,920,430	54.1%	42.8%
National Security Agency	\$ 277,843	\$ 343,308	\$ 398,720	16.1%	43.5%
SAMSHA	\$ -	\$ 10,000	\$ 10,000	0.0%	n/a
Tennessee Valley Authority	\$ -	\$ 34,929	\$ -	n/a	n/a
U.S. Agency of International Development	\$ 1,098,220	\$ 2,406,405	\$ 826,022	-65.7%	-24.8%
U.S. Department of Agriculture	\$ 45,752,546	\$ 41,816,024	\$ 61,434,073	46.9%	34.3%
U.S. Department of Commerce	\$ 33,805,962	\$ 48,705,197	\$ 48,639,704	-0.1%	43.9%
U.S. Department of Defense	\$ 72,063,902	\$ 46,092,267	\$ 52,210,455	13.3%	-27.5%
U.S. Department of Education	\$ 33,134,090	\$ 33,103,472	\$ 40,753,299	23.1%	23.0%
U.S. Department of Energy	\$ 15,471,525	\$ 27,068,394	\$ 31,039,497	14.7%	100.6%
U.S. Department of Health and Human Services	\$ 60,656,815	\$ 34,943,172	\$ 50,184,640	43.6%	-17.3%
U.S. Department of Homeland Security	\$ 4,222,992	\$ 14,540,776	\$ 8,925,623	-38.6%	111.4%
U.S. Department of Housing and Urban Development	\$ 507,004	\$ 2,469,062	\$ 6,791,125	175.0%	1239.5%
U.S. Department of Interior	\$ 2,645,771	\$ 3,243,043	\$ 4,613,930	42.3%	74.4%
U.S. Department of Justice	\$ 4,396,227	\$ 9,670,040	\$ 13,588,989	40.5%	209.1%
U.S. Department of Labor	\$ 559,000	\$ 1,776,272	\$ 726,000	-59.1%	29.9%
U.S. Department of State	\$ -	\$ 35,450	\$ -	n/a	n/a
U.S. Department of State Bureau of Educ & Cultural Aff	\$ 4,831,160	\$ 3,422,201	\$ 4,389,611	28.3%	-9.1%
U.S. Department of Transportation	\$ 3,795,463	\$ 10,177,221	\$ 4,660,862	-54.2%	22.8%
U.S. Department of Veterans Affairs	\$ -	\$ -	\$ 324,567	n/a	n/a
U.S. Election Assistance Commission	\$ -	\$ -	\$ 48,471	n/a	n/a
U.S. Environmental Protection Agency	\$ 1,360,912	\$ 1,198,249	\$ 1,322,789	10.4%	-2.8%
U.S. Geological Survey	\$ 578,978	\$ -	\$ 1,281,046	n/a	121.3%
U.S. Nuclear and Regulatory Commission	\$ 200,000	\$ 236,869	\$ -	n/a	-100.0%
U.S. Small Business Administration	\$ 1,319,916	\$ 6,404,979	\$ 4,424,168	-30.9%	235.2%
Workforce Investment Act	\$ 990,406	\$ 752,912	\$ 2,706	-99.6%	-99.7%
Other Federal	\$ 7,293,386	\$ 227,862	\$ 1,004,414	340.8%	-86.2%
Total	\$343,368,947	\$ 382,058,222	\$ 455,013,477	19.1%	32.5%

Summary of Federal External Funding by Funding Source
in Descending Order of Source, 2010

Funding Source	ASU	DSU	JSU	MSU	MUW	MVSU	UM/UMMC	USM	2010 total
U.S. Department of Agriculture	\$ 13,914,691	\$ 354,609	\$ 266,106	\$ 27,454,469	\$ -	\$ 1,168,868	\$ 15,752,866	\$ 2,522,464	\$ 61,434,073
U.S. Department of Defense	\$ 2,849,117	\$ -	\$ 6,876,953	\$ 18,483,196	\$ 362,822	\$ -	\$ 8,664,361	\$ 14,974,006	\$ 52,210,455
National Institutes of Health	\$ 96,180	\$ -	\$ 11,001,385	\$ 1,723,922	\$ -	\$ -	\$ 38,189,580	\$ -	\$ 51,011,067
U.S. Department of Health and Human Services	\$ 264,920	\$ -	\$ 1,856,760	\$ 344,898	\$ -	\$ -	\$ 36,198,593	\$ 11,519,469	\$ 50,184,640
U.S. Department of Commerce	\$ -	\$ -	\$ -	\$ 20,145,551	\$ -	\$ -	\$ 16,249,950	\$ 10,637,458	\$ 48,639,704
U.S. Department of Education	\$ 4,502,850	\$ 1,333,103	\$ 20,394,081	\$ 2,452,144	\$ -	\$ 5,659,510	\$ 711,208	\$ 5,700,403	\$ 40,753,299
National Science Foundation	\$ 81,801	\$ 12,243	\$ 9,109,289	\$ 13,348,547	\$ -	\$ 546,063	\$ 6,478,422	\$ 7,344,065	\$ 36,920,430
U.S. Department of Energy	\$ 109,248	\$ -	\$ 559,048	\$ 26,336,090	\$ 56,969	\$ -	\$ 1,497,120	\$ 2,481,022	\$ 31,039,497
Health Resource and Services Association	\$ -	\$ 6,015,788	\$ -	\$ -	\$ -	\$ -	\$ 10,914,165	\$ -	\$ 16,929,953
U.S. Department of Justice	\$ 1,520,392	\$ 100,000	\$ 873,669	\$ 5,000,000	\$ -	\$ -	\$ 3,049,986	\$ 3,044,942	\$ 13,588,989
National Aeronautics and Space Administration	\$ -	\$ 10,000	\$ 521,433	\$ 1,825,891	\$ -	\$ -	\$ 5,460,673	\$ 1,612,182	\$ 9,430,179
U.S. Department of Homeland Security	\$ 1,107,500	\$ -	\$ 2,018,444	\$ 100,000	\$ 127,850	\$ -	\$ 2,935,648	\$ 2,636,181	\$ 8,925,623
U.S. Department of Housing and Urban Development	\$ 495,000	\$ -	\$ -	\$ 950,000	\$ -	\$ -	\$ -	\$ 5,346,125	\$ 6,791,125
U.S. Department of Transportation	\$ -	\$ 2,300,000	\$ 711,180	\$ 712,500	\$ 14,198	\$ -	\$ -	\$ 922,984	\$ 4,660,862
U.S. Department of Interior	\$ 15,120	\$ 150,000	\$ -	\$ 675,109	\$ -	\$ -	\$ 880,000	\$ 2,893,701	\$ 4,613,930
U.S. Small Business Administration	\$ 1,557,228	\$ 73,068	\$ 641,479	\$ 570,000	\$ -	\$ -	\$ 1,012,393	\$ 570,000	\$ 4,424,168
U.S. Department of State Bureau of Educational & Cultural Affairs	\$ -	\$ -	\$ 4,377,226	\$ -	\$ 12,385	\$ -	\$ -	\$ -	\$ 4,389,611
Corporation for National & Community Service	\$ -	\$ 908,948	\$ -	\$ -	\$ -	\$ -	\$ 251,949	\$ 336,490	\$ 1,497,387
U.S. Environmental Protection Agency	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ 358,858	\$ 713,931	\$ 1,322,789
U.S. Geological Survey	\$ -	\$ 125,000	\$ -	\$ 1,051,611	\$ 69,061	\$ -	\$ 35,374	\$ -	\$ 1,281,046
Other Federal Sources	\$ -	\$ -	\$ -	\$ 1,004,414	\$ -	\$ -	\$ -	\$ -	\$ 1,004,414
U.S. Agency of International Development	\$ -	\$ -	\$ 826,022	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 826,022
Institute of Museum and Library Sciences	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 750,000	\$ -	\$ 750,000
U.S. Department of Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
National Endowment for the Humanities	\$ -	\$ 164,985	\$ 260,000	\$ 583,000	\$ -	\$ 143,000	\$ -	\$ -	\$ 726,000
Nuclear Regulatory Commission	\$ 398,720	\$ -	\$ -	\$ -	\$ 106,540	\$ -	\$ -	\$ 9,800	\$ 541,325
U.S. Department of Veterans Affairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 398,720
Corporation for Public Broadcasting	\$ 169,352	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 324,567	\$ -	\$ 324,567
National Endowment for the Arts	\$ -	\$ -	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ 169,352
Appalachian Regional Commission	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,000	\$ 54,258	\$ 84,258
U.S. Election Assistance Commission	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 61,315
Los Alamos National Lab	\$ -	\$ -	\$ -	\$ -	\$ 61,315	\$ -	\$ -	\$ -	\$ 48,471
SAMSIA	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,500	\$ -	\$ 13,500
Federal Trade Commission	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000
Workforce Investment Act	\$ -	\$ 2,706	\$ -	\$ -	\$ -	\$ -	\$ 4,000	\$ -	\$ 4,000
Total	\$ 27,092,119	\$ 11,550,450	\$ 61,899,820	\$ 123,036,342	\$ 811,140	\$ 7,517,441	\$ 149,738,213	\$ 73,367,952	\$ 455,013,477

ALCORN STATE UNIVERSITY
Annual Report on Research and Sponsored Programs
July 1, 2009 - June 30, 2010

Dr. Norris A. Edney - Interim President
Dr. Samuel L. White - Director of the Office of Research and Sponsored Programs
Phone (601) 877-6117

I. <u>Funding Distribution - College/Division</u>	<u>Number of</u> <u>Projects</u>	<u>Amount</u>	<u>Total</u>
Office of Community Development	6	\$1,282,700	
School of Agriculture, Research, Extension, and Applied Scie	55	19,873,747	
School of Arts and Sciences	14	1,961,968	
School of Business	1	109,248	
School of Education and Psychology	2	\$608,796	
School of General College of Excellence	5	\$692,986	
School of Graduate Studies	2	\$738,000	
School of Nursing	3	\$110,559	
Title III Strengthening Institutional Programs	1	\$3,126,622	
GRAND TOTAL	89		\$28,504,626

II. <u>Funding Sources</u>	<u>Number of</u> <u>Projects</u>	<u>Amount</u>	<u>Total</u>
Federal			
National Institutes of Health	1	\$96,180	
National Science Foundation	1	81,801	
Nuclear Regulatory Commission	2	398,720	
U.S. Department of Agriculture	45	13,914,691	
U.S. Department of Defense	3	2,849,117	
U.S. Department of Education	5	4,502,850	
U.S. Department of Energy	1	109,248	
U.S. Department of Health and Human Services	3	264,920	
U.S. Department of Homeland Security	4	1,107,500	
U.S. Department of Housing and Urban Development	1	495,000	
U.S. Department of Interior	1	15,120	
U.S. Department of Justice	1	1,520,392	
U.S. Small Business Administration	2	1,557,228	
SAMSHA	1	10,000	
Corporation for Public Broadcasting	3	169,352	
Total Federal Sources	74		\$27,092,119
State, Private, Corporate, and Other Sources			
Total Foundations and Non-Profit Groups	3	127,304	
Total Other State Governments	7	815,695	
Total Other In-State Universities	3	171,024	
Total Other Out-of-State Universities	2	298,484	
Total State, Private, Corporate, and Other Sources	15		1,412,507
GRAND TOTAL	89		\$28,504,626

DELTA STATE UNIVERSITY
Annual Report on Research and Sponsored Programs
July 1, 2009 - June 30, 2010

Dr. John Hilpert - President
Robin Boyles - Chief Research Officer
Phone (662) 846-4804

I. <u>Funding Distribution - College/Division</u>	<u>Number of Projects</u>	<u>Amount</u>	<u>Total</u>
Center for Community and Economic Development	13	1,376,941	
College of Arts and Sciences	20	2,047,269	
College of Business	2	167,114	
College of Education	7	2,645,709	
Delta Center for Culture and Learning	3	1,485,797	
Department of Athletics	1	1,500,000	
Office of Facilities Management	1	15,000	
Office of Finance and Administration	1	2,706	
Office of Graduate and Continuing Studies	1	100,000	
Office of the President	2	100,000	
School of Nursing	6	4,431,714	
University Archives and Museums	1	5,000	
GRAND TOTAL	58		\$13,877,250

II. <u>Funding Sources</u>	<u>Number of Projects</u>	<u>Amount</u>	<u>Total</u>
Federal			
Corporation for National & Community Service	4	908,948	
Health Resource and Services Association	9	6,015,788	
National Aeronautics and Space Administration	1	10,000	
National Endowment for the Humanities	2	164,985	
National Science Foundation	1	12,243	
U.S. Department of Agriculture	3	354,609	
U.S. Department of Education	7	1,333,103	
U.S. Department of Interior	1	150,000	
U.S. Department of Justice	1	100,000	
U.S. Department of Transportation	2	2,300,000	
U.S. Geological Survey	2	125,000	
U.S. Small Business Administration	1	73,068	
Workforce Investment Act	1	2,706	
Total Federal Sources	35		\$11,550,450
State, Private, Corporate, and Other Sources			
Total State of Mississippi Agencies	5	328,140	
Total Foundations and Non-Profit Groups	18	1,737,810	
Total Other In-State Universities	2	72,000	
Total Local Governments	5	188,850	
Total State, Private, Corporate, and Other Sources	30		2,326,800
GRAND TOTAL	65		\$13,877,250

JACKSON STATE UNIVERSITY
Annual Report on Research and Sponsored Programs
July 1, 2009 - June 30, 2010

Dr. Leslie B. McLemore (Interim) - President
Dr. Felix A. Okojie - Chief Research Officer
Phone (601) 979-2931

I. <u>Funding Distribution - College/Division</u>	<u>Number of Projects</u>	<u>Amount</u>	<u>Total</u>
College of Science, Engineering & Technology	88	27,343,553	
College of Public Service	16	2,289,496	
College of Liberal Arts	8	1,325,010	
College of Business	4	777,559	
College of Education & Human Development	5	745,307	
Division International Studies	20	5,503,530	
Division of Lifelong Learning	8	698,391	
Office of Research Development & Federal Relations	34	28,188,738	
Office of Academic Affairs	6	844,172	
Office of the President	3	463,044	
GRAND TOTAL	192		\$68,178,800

II. <u>Funding Sources</u>	<u>Number of Projects</u>	<u>Amount</u>	<u>Total</u>
Federal			
National Aeronautics and Space Administration	6	\$521,433	
National Endowment for the Humanities	2	\$260,000	
National Institutes of Health	27	\$11,001,385	
National Science Foundation	25	\$9,109,289	
U.S. Agency of International Development	7	\$826,022	
U.S. Department of Agriculture	2	\$266,106	
U.S. Department of Commerce	6	\$1,606,745	
U.S. Department of Defense	19	\$6,876,953	
U.S. Department of Education	12	\$20,394,081	
U.S. Department of Energy	1	\$559,048	
U.S. Department of Health and Human Services	6	\$1,856,760	
U.S. Department of Homeland Security	6	\$2,018,444	
U.S. Department of Justice	2	\$873,669	
U.S. Department of State Bureau of Educational and Cultural Affairs	7	\$4,377,226	
U.S. Department of Transportation	7	\$711,180	
U.S. Small Business Administration	2	\$641,479	
Total Federal Funding	137		\$61,899,820
State, Private, Corporate, and Other Sources			
Total State of Mississippi Agencies	29	\$4,181,861	
Total Private/Corporate Business and Industry	12	\$908,356	
Total Foundations and Non-Profit Groups	14	\$1,188,763	
Total State, Private, Corporate, and Other Sources	55		\$6,278,980
GRAND TOTAL	192		\$68,178,800

MISSISSIPPI STATE UNIVERSITY
Annual Report on Research and Sponsored Programs
July 1, 2009 - June 30, 2010

Dr. Mark E. Keenum - President
Dr. David Shaw - Chief Research Officer
Phone: (662)325-3570

		<u>Number</u>		
I.	<u>Funding Distribution - College/Division</u>	<u>of</u>	<u>Amount</u>	<u>Total</u>
	Bagley College of Engineering	146	55,732,597.82	
	College of Architecture, Art, and Design	14	807,559.88	
	College of Arts and Sciences	50	8,562,862.70	
	College of Business and Industry	5	852,841.00	
	College of Education	110	12,861,828.02	
	College of Forest Resources/Forest Wildlife Research Center	234	9,933,168.85	
	College of Veterinary Medicine	26	2,131,000.49	
	Division of Academic Outreach & Continuing Education	1	285,000.00	
	Division of Student Affairs	2	715,485.00	
	Mitchell Memorial Library	1	4,000.00	
	MS Agricultural and Forestry Experiment Station (MAFES/CAL	469	18,978,508.91	
	MS State University Extension Service (MSU-ES)	138	21,389,237.34	
	Office of Graduate Studies	1	108,000.00	
	University Branch Campus (Meridian)	4	120,126.50	
	University Centers and Institutes	108	60,088,034.07	
	Office of the President	1	697,051.00	
	Vice President for Research and Economic Development	5	8,353,786.59	
	GRAND TOTAL	1,315		\$201,621,088
		<u>Number</u>		
II.	<u>Funding Sources</u>	<u>of</u>	<u>Amount</u>	<u>Total</u>
	Federal			
	National Aeronautics and Space Administration	9	1,825,891.00	
	National Endowment for the Arts	1	25,000.00	
	National Institutes of Health	13	1,723,922.00	
	National Science Foundation	39	13,348,547.00	
	U.S. Department of Agriculture	93	27,454,469.29	
	U.S. Department of Commerce	8	20,145,551.00	
	U.S. Department of Defense	35	18,483,195.84	
	U.S. Department of Education	13	2,452,144.25	
	U.S. Department of Energy	25	26,336,089.88	
	U.S. Department of Health and Human Services	1	344,898.00	
	U.S. Department of Homeland Security	3	100,000.00	
	U.S. Department of Housing and Urban Development	1	950,000.00	
	U.S. Department of Interior	5	675,108.75	
	U.S. Department of Justice	3	5,000,000.00	
	U.S. Department of Labor	2	583,000.00	
	U.S. Department of Transportation	1	712,500.00	
	U.S. Environmental Protection Agency	2	250,000.00	
	U.S. Geological Survey	9	105,1610.85	
	U.S. Small Business Administration	1	570,000.00	
	Other Federal Sources		1,004,414.00	
	Total Federal Funding	264		\$123,036,342
	State, Private, Corporate, and Other Sources			
	Total State Funding [other than general appropriation]	158	41,483,165.13	
	Total Private/Corporate Business and Industry	406	18,033,775.67	
	Total Foundations and Non-Profit Groups	157	8,987,877.15	
	Total Other State Governments	14	701,349.00	
	Total Other In-State Universities	17	1,014,181.00	
	Total Other Out-of-State Universities	80	6,863,462.72	
	Total Local Governments	49	1,148,652.64	
	Total Foreign Governments & Organizations	8	352,283.00	
	Total State, Private, Corporate, and Other Sources	889		\$78,584,746
	GRAND TOTAL	1,153		\$201,621,088

MISSISSIPPI UNIVERSITY FOR WOMEN
Annual Report on Research and Sponsored Programs
July 1, 2009 - June 30, 2010

Dr. Claudia A. Limbert - President
Ms. Nora Miller - Vice President for Finance and Administration
Phone (662) 329-7145

I. <u>Funding Distribution - College/Division</u>	<u>Number of Projects</u>	<u>Amount</u>	<u>Total</u>
Academic Support	2	4656645.00	
College of Education and Human Sciences	9	386895.35	
College of Nursing	6	293302.23	
Department of Sciences & Mathematics	9	854528.59	
Other Units	7	340087.96	
GRAND TOTAL	33		\$6,531,459

II. <u>Funding Sources</u>	<u>Number of Projects</u>	<u>Amount</u>	<u>Total</u>
<u>Federal</u>			
Appalacian Regional Commission	1	61315.15	
National Endowment for the Humanities	2	106540.16	
U.S. Department of Defense	4	362821.78	
U.S. Department of Energy	4	56968.78	
U.S. Department of Homeland Security	1	127850.00	
U.S. Department of State Bureau of Educational and Cultural	1	12385.00	
U.S. Department of Transportation	1	14198.24	
U.S. Geological Survey	1	69060.80	
Total Federal Funding	15		\$811,140
<u>State, Private, Corporate, and Other Sources</u>			
Total State Funding [other than general appropriation]	3	50601.86	
Total State of Mississippi Agencies	4	226010.33	
Total Private/Corporate Business and Industry	2	52100.00	
Total Foundations and Non-Profit Groups	6	5327627.81	
Total Other State Governments	3	63945.84	
Total Other In-State Universities	1	33.38	
Total State, Private, Corporate, and Other Sources	19		\$5,720,319
GRAND TOTAL	34		\$6,531,459

MISSISSIPPI VALLEY STATE UNIVERSITY
Annual Report on Research and Sponsored Programs
July 1, 2009 - June 30, 2010

Dr. Donna H. Oliver - President
Jannette Adams - Chief Research Officer
Phone (662) 254-3434

I. Funding Distribution - College/Division	<u>Number of</u> <u>Projects</u>	<u>Amount</u>	<u>Total</u>
College of Arts and Sciences	2	1,046,063.00	
College of Continuing Education	1	559,550.00	
College of Education & Professional Studies	2	408,243.00	
Division of Business Finance	1	10,000.00	
Division of Academic Affairs	5	5,498,585.00	
Division of Student Affairs	1	5,000.00	
GRAND TOTAL	12		\$7,527,441

II. <u>Funding Sources</u>	<u>Number of</u> <u>Projects</u>	<u>Amount</u>	<u>Total</u>
Federal			
National Science Foundation	1	\$ 546,063.00	
U.S. Department of Agriculture	4	\$ 1,168,868.00	
U.S. Department of Education	5	\$ 5,659,510.00	
U.S. Department of Labor	1	\$ 143,000.00	
Total Federal Funding	11		\$7,517,441
State, Private, Corporate, and Other Sources			
Total Foundations and Non-Profit Groups	1	\$ 10,000.00	
Total State, Private, Corporate, and Other Sources	1		\$10,000
GRAND TOTAL	12		\$7,527,441

UNIVERSITY OF MISSISSIPPI
Annual Report on Research and Sponsored Programs
July 1, 2009 - June 30, 2010

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

I. <u>Funding Distribution - College/Division</u>	<u>Number of</u> <u>Projects</u>	<u>Amount</u>	<u>Total</u>
A. Oxford Campus			
Center for Water and Wetland Resources	2	94,524	
College of Liberal Arts	83	8,515,286	
Division of Outreach and Continuing Education	7	420,474	
Financial Aid	1	67,902	
Ford Center for the Performing Arts	3	313,500	
Graduate School	2	947,560	
International Programs	1	8,000	
Jamie Whitten National Center for Physical Acoustics	44	13,282,755	
Landscape Services	1	14,852	
National Food Service Management Institute	8	5,524,892	
National Institute for Undersea Science & Technology	3	3,538,326	
Office of Research and Sponsored Programs	2	221,640	
Office of Strategic Planning	1	25,000	
Office of the Chancellor	1	252,000	
Office of the Provost	3	294,882	
School of Applied Sciences (not including NSFMI)	14	4,618,903	
School of Business Administration	2	1,012,393	
School of Education	13	1,803,993	
School of Engineering (not including NCCHE)	27	8,094,986	
National Center for Computational Hydroscience and Engineering	6	1,935,740	
School of Law	15	7,151,073	
School of Pharmacy (not including NCNPR)	46	15,927,973	
National Center for Natural Products Research	20	25,248,611	
Student Health Services	3	350,530	
University Libraries	1	450,000	
Vice Chancellor for Student Affairs	2	464,188	
William Winter Institute for Racial Reconciliation	3	1,352,700	
Total Oxford	314		101,932,683
B. Medical Center			
Office of Strategic Research Alliances	2	9,325,460	
School of Dentistry	5	882,304	
School of Health Related Professions	9	210,519	
School of Medicine	271	62,906,544	
School of Nursing	14	1,628,766	
Teaching Hospital	1	415,134	
Total Medical Center	302		75,368,727
GRAND TOTAL (UM + UMMC)	616		\$177,301,410

UNIVERSITY OF MISSISSIPPI
Annual Report on Research and Sponsored Programs
July 1, 2009 - June 30, 2010

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

II. <u>Funding Sources</u>	<u>Number of</u> <u>Projects</u>	<u>Amount</u>	<u>Total</u>
Federal			
Corporation for National & Community Service	1	251,949	
Health Resource and Services Association	48	10,914,165	
Institute of Museum and Library Sciences	2	750,000	
National Aeronautics and Space Administration	9	5,460,673	
National Endowment for the Arts	1	5,000	
National Institutes of Health	138	38,189,580	
National Science Foundation	28	6,478,422	
U.S. Department of Agriculture	24	15,752,866	
U.S. Department of Commerce	7	16,249,950	
U.S. Department of Defense	35	8,664,361	
U.S. Department of Education	3	711,208	
U.S. Department of Energy	7	1,497,120	
U.S. Environmental Protection Agency	1	358,858	
U.S. Department of Health and Human Services	34	36,198,593	
U.S. Department of Homeland Security	4	2,935,648	
U.S. Department of Interior	2	880,000	
U.S. Department of Justice	3	3,049,986	
U.S. Department of Veterans Affairs	2	324,567	
U.S. Geological Survey	1	35,374	
U.S. Small Business Administration	2	1,012,393	
Federal Trade Commission	1	4,000	
Los Alamos National Lab	1	13,500	
Total Federal Spending	354		149,738,213
State, Private, Corporate, and Other Sources			
Total State of Mississippi Agencies	68	7,507,539	
Total Private/Corporate Business and Industry	63	8,415,042	
Total Foundations and Non-Profit Groups	91	9,827,846	
Total Other State Governments	6	164,712	
Total Other Out-of-State Universities	15	835,986	
Total Local Governments	9	214,857	
Total Foreign Governments & Organizations	9	595,246	
Total Other [all other sources not listed above]	1	1,969	
Total State, Private, Corporate, and Other Sources	262		\$27,563,197
GRAND TOTAL	616		\$177,301,410

UNIVERSITY OF SOUTHERN MISSISSIPPI
Annual Report on Research and Sponsored Programs
July 1, 2009 - June 30, 2010

Dr. Martha D. Saunders - President
Denis Wiesenburg - Chief Research Officer
Phone (601) 266-5116

I. <u>Funding Distribution - College/Division</u>	<u>Number of Projects</u>	<u>Amount</u>	<u>Total</u>
College of Arts and Letters	28	\$987,342	
College of Business	1	\$49,580	
College of Education and Psychology	45	\$3,993,543	
College of Health	48	\$10,132,927	
College of Science and Technology	168	\$46,054,977	
Office of the Provost	9	\$1,805,530	
Office of Student Affairs	4	\$1,092,129	
Office of the Vice President for Research	60	\$18,685,645	
GRAND TOTAL	363		82,801,673

II. <u>Funding Sources</u>	<u>Number of Projects</u>	<u>Amount</u>	<u>Total</u>
Federal			
Corporation for National & Community Service	2	336,490	
National Aeronautics and Space Administration	12	1,612,182	
National Endowment for the Arts	10	54,258	
National Endowment for the Humanities	4	9,800	
National Science Foundation	30	7,344,065	
U.S. Department of Agriculture	8	2,522,464	
U.S. Department of Commerce	33	10,637,458	
U.S. Department of Defense	21	14,974,006	
U.S. Department of Education	26	5,700,403	
U.S. Department of Energy	2	2,481,022	
U.S. Department of Health and Human Services	29	11,519,469	
U.S. Department of Homeland Security	10	2,636,181	
U.S. Department of Housing and Urban Development	13	5,346,125	
U.S. Department of Interior	17	2,893,701	
U.S. Department of Justice	7	3,044,942	
U.S. Department of Transportation	3	922,984	
U.S. Environmental Protection Agency	7	713,931	
U.S. Small Business Administration	1	570,000	
U.S. Election Assistance Commission	1	48,471	
Total Federal Funding	236		\$73,367,952
State, Private, Corporate, and Other Sources			
Total State of Mississippi Agencies	56	4,967,458	
Total Private/Corporate Business and Industry	16	1,943,450	
Total Foundations and Non-Profit Groups	14	1,376,441	
Total Foreign Governments & Organizations	3	88,703	
Total Other [all other sources not listed above]	38	1,057,669	
Total State, Private, Corporate, and Other Sources	127		\$9,433,721
GRAND TOTAL	363		\$82,801,673

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.