


**MICHIGAN STATE
UNIVERSITY**

April 2, 2012

MEMORANDUM

TO: Members of the Board of Trustees

FROM: J. Ian Gray, Vice President 

SUBJECT: Gift, Grant and Contract Report



RECOMMENDATION: That the Board of Trustees approve the attached Gift, Grant and Contract Report for the period of February 2, 2012 through March 23, 2012. The report is a compilation of 254 Gifts, Grants and Contracts plus 122 Consignment/Non-Cash Gifts, with a total value of \$69,579,416.

Office of the
**VICE PRESIDENT
FOR RESEARCH
AND GRADUATE
STUDIES**

FY 2011-12 TOTALS:

J. Ian Gray
Vice President

a) Gifts, Grants and Contracts only:	\$416,480,490
b) Gifts, Grants and Contracts plus Consignments:	\$421,289,203

(Consignments are Non-Cash Gifts and Non-Cash Loans)

Michigan State University
232 Administration Building
East Lansing, MI
48824-1046

517/355-0306
Fax: 517/432-1171

RESOLUTION:

www.vprgs.msu.edu
www.research.msu.edu

BE IT RESOLVED that the Board of Trustees approve acceptance of gifts, grants and contracts as listed in the attached report.

Current Period / Year to Date

Gift & Grant Awards

Meeting Date: 4/13/2012

AWARD TOTALS

Research			
	02/02/12-03/23/12	11-12	% of Total
<u>Gift/Grant Source</u>	<u>Acceptance Total</u>	<u>Acceptance Total</u>	<u>YTD</u>
Federal Government	\$31,933,720	\$224,785,267	80.1%
State of Michigan	\$679,232	\$7,520,836	2.7%
Other	\$1,420,868	\$16,620,821	5.9%
Industry/CO	\$978,786	\$7,255,766	2.6%
Foundation	\$46,600	\$22,455,306	8.0%
Association	\$229,712	\$1,982,685	0.7%
TOTAL	\$35,288,919	\$280,620,682	100%

Non-Research			
	02/02/12-03/23/12	11-12	% of Total
<u>Gift/Grant Source</u>	<u>Acceptance Total</u>	<u>Acceptance Total</u>	<u>YTD</u>
Federal Government	\$4,220,438	\$36,743,597	27.0%
State of Michigan	\$471,517	\$8,489,236	6.2%
Other	\$28,582,740	\$74,446,292	54.8%
Industry/CO	\$244,953	\$2,228,775	1.6%
Foundation	\$323,137	\$7,126,157	5.2%
Association	\$72,597	\$6,825,750	5.0%
TOTAL	\$33,915,381	\$135,859,808	100%

Total			
	02/02/12-03/23/12	11-12	% of Total
<u>Gift/Grant Source</u>	<u>Acceptance Total</u>	<u>Acceptance Total</u>	<u>YTD</u>
Federal Government	\$36,154,158	\$261,528,864	62.8%
State of Michigan	\$1,150,749	\$16,010,072	3.8%
Other	\$30,003,608	\$91,067,114	21.9%
Industry/CO	\$1,223,739	\$9,484,541	2.3%
Foundation	\$369,737	\$29,581,464	7.1%
Association	\$302,309	\$8,808,435	2.1%
TOTAL	\$69,204,300	\$416,480,489	100%

OF AWARDS

Research			
	02/02/12-03/23/12	11-12	% of Total
<u>Gift/Grant Source</u>	<u>Acceptance Total</u>	<u>Acceptance Total</u>	<u>YTD</u>
Federal Government	121	810	45.3%
State of Michigan	7	107	6.0%
Other	27	196	11.0%
Industry/CO	28	424	23.7%
Foundation	5	106	5.9%
Association	7	146	8.2%
TOTAL	195	1789	100%

Non-Research			
	02/02/12-03/23/12	11-12	% of Total
<u>Gift/Grant Source</u>	<u>Acceptance Total</u>	<u>Acceptance Total</u>	<u>YTD</u>
Federal Government	24	204	37.5%
State of Michigan	11	58	10.7%
Other	10	106	19.5%
Industry/CO	7	118	21.7%
Foundation	4	39	7.2%
Association	3	19	3.5%
TOTAL	59	544	100%

Total			
	02/02/12-03/23/12	11-12	% of Total
<u>Gift/Grant Source</u>	<u>Acceptance Total</u>	<u>Acceptance Total</u>	<u>YTD</u>
Federal Government	145	1014	43.5%
State of Michigan	18	165	7.1%
Other	37	302	12.9%
Industry/CO	35	542	23.2%
Foundation	9	145	6.2%
Association	10	165	7.1%
TOTAL	254	2333	100%

Current Year / Previous Year

Gift & Grant Awards

Meeting Date: 4/13/2012

AWARD TOTALS

Research			
<u>Gift/Grant Source</u>	<u>06/03/10-03/31/11</u>	<u>05/24/11-03/23/12</u>	<u>% Change</u>
Federal Government	\$187,449,051	\$224,785,267	19.9%
State of Michigan	\$6,405,737	\$7,520,836	17.4%
Other	\$11,528,328	\$16,620,821	44.2%
Industry/CO	\$3,995,884	\$7,255,766	81.6%
Foundation	\$8,827,765	\$22,455,306	154.4%
Association	\$1,004,361	\$1,982,685	97.4%
TOTAL	\$219,211,126	\$280,620,682	28%

Non-Research			
<u>Gift/Grant Source</u>	<u>06/03/10-03/31/11</u>	<u>05/24/11-03/23/12</u>	<u>% Change</u>
Federal Government	\$48,441,692	\$36,743,597	-24.2%
State of Michigan	\$5,407,052	\$8,489,236	57.0%
Other	\$72,526,240	\$74,446,292	2.6%
Industry/CO	\$720,718	\$2,228,775	209.2%
Foundation	\$5,593,551	\$7,126,157	27.4%
Association	\$9,318,539	\$6,825,750	-26.8%
TOTAL	\$142,007,791	\$135,859,808	-4%

Total			
<u>Gift/Grant Source</u>	<u>06/03/10-03/31/11</u>	<u>05/24/11-03/23/12</u>	<u>% Change</u>
Federal Government	\$235,890,744	\$261,528,864	10.9%
State of Michigan	\$11,812,789	\$16,010,072	35.5%
Other	\$84,054,568	\$91,067,114	8.3%
Industry/CO	\$4,716,602	\$9,484,541	101.1%
Foundation	\$14,421,315	\$29,581,464	105.1%
Association	\$10,322,899	\$8,808,435	-14.7%
TOTAL	\$361,218,917	\$416,480,489	15%

OF AWARDS

Research			
<u>Gift/Grant Source</u>	<u>06/03/10-03/31/11</u>	<u>05/24/11-03/23/12</u>	<u>% Change</u>
Federal Government	729	810	11.1%
State of Michigan	80	107	33.8%
Other	126	196	55.6%
Industry/CO	122	424	247.5%
Foundation	56	106	89.3%
Association	45	146	224.4%
TOTAL	1158	1789	54%

Non-Research			
<u>Gift/Grant Source</u>	<u>06/03/10-03/31/11</u>	<u>05/24/11-03/23/12</u>	<u>% Change</u>
Federal Government	195	204	4.6%
State of Michigan	44	58	31.8%
Other	63	106	68.3%
Industry/CO	37	118	218.9%
Foundation	27	39	44.4%
Association	14	19	35.7%
TOTAL	380	544	43%

Total			
<u>Gift/Grant Source</u>	<u>06/03/10-03/31/11</u>	<u>05/24/11-03/23/12</u>	<u>% Change</u>
Federal Government	924	1014	9.7%
State of Michigan	124	165	33.1%
Other	189	302	59.8%
Industry/CO	159	542	240.9%
Foundation	83	145	74.7%
Association	59	165	179.7%
TOTAL	1538	2333	52%

Top 10 Awards for the April 13, 2012 BOT Meeting

Rank	Funding Type	Award Amount	First PI	Grantor	Dept	New or Revision	Function	Project Dates	Title
1	Federal Government	\$5,000,000	Glasmacher, Thomas	ENERGY US DEPT OF	NATL SUPERCONDUCTING CYCLOTRON LABORATORY		Research	5/1/2009 9/30/2012	FACILITY FOR RARE ISOTOPE BEAMS (FRIB)
2	Federal Government	\$4,107,695	Jayne, Thomas	AGENCY FOR INTERNATL DEVELOPMENT	AGRICULTURAL, FOOD, AND RESOURCE ECONOMICS	New	Research	10/21/2010 10/20/2015	FOOD SECURITY RESEARCH PROJECT - PHASE III
3	Federal Government	\$2,400,000	Peng, Fang	ENERGY US DEPT OF	ELECTRICAL AND COMPUTER ENGINEERING	Revision	Research	2/8/2012 2/7/2015	TRANSFORMER-LESS UNIFIED POWER FLOW CONTROLLER FOR WIND AND SOLAR POWER TRANSMISSION
4	Federal Government	\$2,104,855	Krajcik, Joseph	NATL SCIENCE FOUNDATION	INST FOR RESEARCH ON MATH AND SCIENCE ED	New	Research	9/1/2011 8/31/2016	DEVELOPING AND TESTING A MODEL TO SUPPORT STUDENT UNDERSTANDING OF THE SUB-MICROSCOPIC INTERACTIONS THAT GOVERN BIOLOGICAL AND CHEMICAL PROCESSES
5	Federal Government	\$1,077,273	Oweiss, Karim	DEFENSE ADVANCED RESEARCH PROJECTS AGENC	ELECTRICAL AND COMPUTER ENGINEERING	New	Research	12/12/2011 6/11/2013	A CLINICALLY VIABLE BRAIN MACHINE INTERFACE
6	Federal Government	\$991,911	Sherrill, Bradley	ENERGY US DEPT OF	NATL SUPERCONDUCTING CYCLOTRON LABORATORY	New	Research	7/1/2011 6/30/2012	THE NUCLEAR SCIENCE AND SECURITY CONSORTIUM
7	Federal Government	\$831,572	Drake, Corey	NATL SCIENCE FOUNDATION	TEACHER EDUCATION	New	Research	8/31/2011 8/31/2015	TEACHERS EMPOWERED TO ADVANCE CHANGE IN MATHEMATICS (TEACH MATH): PREPARING PREK-8 TEACHERS TO CONNECT CHILDREN'S MATHEMATICAL THINKING AND COMMUNITY-BASED FUNDS OF KNOWLEDGE
8	Federal Government	\$821,800	Klomprens, Karen	NATL SCIENCE FOUNDATION	GRADUATE SCHOOL DEAN		Education	11/1/2007 10/31/2012	GRADUATE RESEARCH FELLOWSHIP PROGRAM

Top 10 Awards for the April 13, 2012 BOT Meeting

Rank	Funding Type	Award Amount	First PI	Grantor	Dept	New or Revision	Function	Project Dates	Title
9	Federal Government	\$659,582	Wiggins, Aurles	EDUCATION U.S. DEPT OF	ASC PROVOST FOR UNDERGRADU ATE EDUCATION	Revision	Education	9/1/2011 8/31/2012	STUDENT SUPPORT SERVICE
10	Federal Government	\$599,834	Millenbah, Kelly	NATL SCIENCE FOUNDATION	LYMAN BRIGGS DEAN	New	Education	1/15/2012 12/31/2015	SCIENCE SCHOLARSHIP PROGRAM AT LYMAN BRIGGS COLLEGE, PHASE II
		\$18,594,522							

**Gift, Grant and Contract Report
Board Of Trustees
April 2012**

	Amount	Donor	Director	Unit	Purpose
COLLEGE OF AGRICULTURE & NATURAL RESOURCES					
1	\$59,248	MISSOURI STATE UNIVERSITY	Smith, Thomas	AGRICULTURAL TECHNOLOGY INSTITUTE	VESTA NATIONAL CENTER OF EXCELLENCE
2	\$250,000	SYNGENTA FOUNDATION FOR SUSTAINABLE AGRICULTURE	Diallo, Boubacar	AGRICULTURAL, FOOD, AND RESOURCE ECONOMICS	SRAI (STRENGTHENING REGIONAL AGRICULTURAL INTEGRATION)
3	\$90,000	USDA - NATIONAL INSTITUTE OF FOOD AND AGRICULTURE	Foster, Richard	AGRICULTURE & NATURAL RESOURCES DEAN	MICHIGAN FEDERALLY-RECOGNIZED TRIBES EXTENSION PROGRAM: TOWARDS SUSTAINABLE, SOVEREIGN TRIBAL FOOD SYSTEMS
4	\$219,015	NATL INST OF HEALTH - NIH/PHS	Suhr, Steven	ANIMAL SCIENCE DEPARTMENT - ANR	INDUCED NEURAL CELL INTEGRATION IN THE RAT CENTRAL NERVOUS SYSTEM
5	\$555,973	DEFENSE US DEPT OF	Liao, Wei	BIOSYSTEMS & AGRICULTURAL ENGINEERING	A SELF-SUSTAINING SOLAR-BIO-NANO-BASED WASTEWATER TREATMENT SYSTEM FOR FORWARD OPERATING BASES
6	\$40,000	BAIYIN SINO BIO-SCIENCE CO., LTD.	Liu, Yan	BIOSYSTEMS & AGRICULTURAL ENGINEERING	EFFECTS OF SINO ENZYME ON WET MILLING CORN STARCH PRODUCTION
7	\$74,000	GERBER NESTLE	Safferman, Steven	BIOSYSTEMS & AGRICULTURAL ENGINEERING	FOOD PROCESSING WASTEWATER IRRIGATION FIELD MONITORING CONTINUATION
8	\$32,876	CONSUMERS ENERGY	Surbrook, Truman	BIOSYSTEMS & AGRICULTURAL ENGINEERING	MICHIGAN AG ELECTRIC COUNCIL
9	\$92,335	US GEOLOGICAL SURVEY	Bartholic, Jon	COMMUNITY, AG, RECREATION AND RES STUDIES	2012 ANNUAL NIWR USGS PROJECT
10	\$48,000	NORTHWEST MICHIGAN COUNCIL OF GOVERNMENTS	Cocciarelli, Susan	COMMUNITY, AG, RECREATION AND RES STUDIES	NORTHWEST MICHIGAN COUNCIL OF GOVERNMENTS
11	\$106,155	MICHIGAN ECONOMIC DEVELOPMENT CORP	Nicholls, Sarah	COMMUNITY, AG, RECREATION AND RES STUDIES	STRATEGIC PLAN FOR MICHIGAN'S TOURISM INDUSTRY
12	\$62,000	MICHIGAN DEPARTMENT OF EDUCATION	Showerman, Randy	COMMUNITY, AG, RECREATION AND RES STUDIES	2011-2012 CAREER AND TECHNICAL TEACHER EDUCATION PROGRAM IMPROVEMENT
13	\$40,500	CORN MARKETING PROGRAM OF MICHIGAN	Difonzo, Christina	ENTOMOLOGY AGRICULTURE AND NATURAL RES	BIOLOGY AND MANAGEMENT OF WESTERN BEAN CUTWORM

**Gift, Grant and Contract Report
Board Of Trustees
April 2012**

	Amount	Donor	Director	Unit	Purpose
14	\$133,000	AUBURN UNIVERSITY	Dong, Ke	ENTOMOLOGY AGRICULTURE AND NATURAL RES	CHARACTERIZATION OF SODIUM CHANNEL MUTATIONS INVOLVED IN INSECTICIDE RESISTANCE IN THE MOSQUITO CULEX QUIQUEFASCIATUS
15	\$59,595	THE CERES TRUST	Grieshop, Matthew	ENTOMOLOGY AGRICULTURE AND NATURAL RES	DEVELOPMENT AND DELIVERY OF "LIVING PEST MANAGEMENT" FOR ORGANIC GREENHOUSES AND LOCAL FOOD SYSTEMS"
16	\$25,888	RUTGERS, THE STATE UNIVERSITY	Hollingworth, Robert	ENTOMOLOGY AGRICULTURE AND NATURAL RES	IR-4 QUALITY ASSURANCE PROJECT FOR THE NORTH CENTRAL REGION
17	\$67,392	COALITION FOR URBAN/RURAL ENVIRONMENTAL STEWARDSHIP	Isaacs, Rufus	ENTOMOLOGY AGRICULTURE AND NATURAL RES	OPERATION POLLINATOR MICHIGAN 1
18	\$38,145	CORN MARKETING PROGRAM OF MICHIGAN	Whalon, Mark	ENTOMOLOGY AGRICULTURE AND NATURAL RES	ASSESSING THE FUNCTIONAL ECOLOGY IMPACTS OF CRY PROTEINS FROM BACILLUS THURINGIENSIS GENETICALLY MODIFIED CORN IN WATERWAYS: A CRITICAL EXPERIMENT TO MEASURE THE EFFECTS OF BT CORN RUNOFF
19	\$40,505	GREAT LAKES FISHERY COMMISSION	Bence, James	FISHERIES & WILDLIFE	UNDERSTANDING CHANGING PATTERNS OF SIZE-SPECIFIC MARKING OF LAKE TROUT BY SEA LAMPREY
20	\$7,969	ILLINOIS DEPT OF NATURAL RESOURCES	Brenden, Travis	FISHERIES & WILDLIFE	RESEARCH FOR MANAGEMENT OF INTER-JURISDICTIONAL FISHERIES RESOURCES
21	\$165,000	US FISH & WILDLIFE SERVICE	Infante, Dana	FISHERIES & WILDLIFE	AN INITIAL NATIONAL ASSESSMENT OF THE STATUS OF FISH HABITATS
22	\$186,590	GREAT LAKES FISHERY COMMISSION	Li, Weiming	FISHERIES & WILDLIFE	STRUCTURE AND FUNCTION OF SEA LAMPREY PHEROMONE COMPONENTS
23	\$87,923	GREAT LAKES FISHERY COMMISSION	Li, Weiming	FISHERIES & WILDLIFE	TECHNICAL ASSISTANCE TO CHEMICAL ASPECTS OF PHEROMONE RESEARCH PROJECTS
24	\$6,230	GREAT LAKES FISHERY COMMISSION	Li, Weiming	FISHERIES & WILDLIFE	TECHNICAL ASSISTANCE WITH FIELD AND LABORATORY RESEARCH
25	\$599,834	NATL SCIENCE FOUNDATION	Millenbah, Kelly	FISHERIES & WILDLIFE	SCIENCE SCHOLARSHIP PROGRAM AT LYMAN BRIGGS COLLEGE, PHASE II
26	\$77,045	NATL SCIENCE FOUNDATION	Sarnelle, Orlando	FISHERIES & WILDLIFE	COLLABORATIVE RESEARCH: CONSEQUENCES OF CONSUMER ADAPTATION FOR ECOSYSTEM RESPONSES TO FERTILIZATION AND FOOD-WEB PERTU

**Gift, Grant and Contract Report
Board Of Trustees
April 2012**

	Amount	Donor	Director	Unit	Purpose
27	\$7,500	NATL SCIENCE FOUNDATION	Tsao, Jean	FISHERIES & WILDLIFE	TESTING ALTERNATIVE HYPOTHESES FOR GRADIENTS IN LYME DISEASE IN THE EASTERN U.S.: CLIMATE, HOST COMMUNITY AND VECTOR GENETIC STRUCTURE
28	\$68,102	GREAT LAKES FISHERY COMMISSION	Wagner, Michael	FISHERIES & WILDLIFE	DEVELOPMENT OF A PUTREFACTION-DERIVED REPELLENT FOR THE SEA LAMPREY
29	\$194,823	INTL RESOURCES GROUP	Clay, Daniel	INTERNATIONAL AGRICULTURE INSTITUTE ANR	USAID INCREASED FOOD SECURITY SAGIC T/O #5
30	\$41,694	SOUTHERN ILLINOIS UNIVERSITY	Chilvers, Martin	PLANT PATHOLOGY ANR	IDENTIFICATION AND BIOLOGY OF SEEDLING PATHOGENS OF SOYBEAN.
31	\$108,592	VIRGINIA TECHNOLOGY	Chilvers, Martin	PLANT PATHOLOGY ANR	INTEGRATED MANAGEMENT OF OOMYCETE DISEASES OF SOYBEAN AND OTHER CROP PLANTS.
32	\$209,859	NATL AERONAUTICS AND SPACE ADM	Fan, Peilei	SCHOOL OF PLANNING,DESIGN&CO NSTRUCTION-ANR	CHINAS URBANIZATION AND ITS SUSTAINABILITY UNDER FUTURE CLIMATE CHANGE
33	\$31,029	DOW CHEMICAL CO	Mrozowski, Timothy	SCHOOL OF PLANNING,DESIGN&CO NSTRUCTION-ANR	HABITAT COST EFFECTIVE ENERGY RETROFIT PROGRAM FOR MIXED-HUMID AND COLD CLIMATE HOUSING STOCK
COLLEGE OF COMMUNICATION ARTS AND SCIENCES					
34	\$34,882	MI DEPT COMMUNITY HEALTH	Silk, Kami	COMMUNICATION	PROPOSAL TO DEVELOP & DELIVER A COMMUNICATION PLAN FOR THE MICHIGAN DEPARTMENT OF COMMUNITY HEALTH CANCER PREVENTION AND CONTROL SECTION
35	\$24,643	MI DEPT COMMUNITY HEALTH	Silk, Kami	COMMUNICATION	PROGRAM TO EVALUATE A PROSTATE CANCER INITIATIVE FOR THE MICHIGAN DEPT OF COMMUNITY HEALTH CANCER PREVENTION AND CONTROL SECTION
36	\$374,702	NATL INST OF HEALTH - NIH/PHS	Chang, Soo-Eun	COMMUNICATIVE SCIENCES & DISORDERS - CAS	SEXUAL DIMORPHISM OF NEURAL DEVELOPMENT UNDERLYING CHILDHOOD STUTTERING
37	\$24,048	OREGON UNIVERSITY OF	Dilley, Laura	COMMUNICATIVE SCIENCES & DISORDERS - CAS	ACQUISITION OF TEMPORAL PATTERNS IN CHILD SPEECH AND LANGUAGE
38	\$7,000	MI DEPT COMMUNITY HEALTH	Pavangadkar, Amol	TELECOM, INFORMATION STUDIES & MEDIA	MERCURY OUTREACH PROJECT
39	\$23,580	NATL INST OF HEALTH - NIH/PHS	Whitten, Pamela	TELECOM, INFORMATION STUDIES & MEDIA	IMPLEMENTATION OF A TELEPSYCHIATRY PROGRAM IN RURAL ONCOLOGY CLINICS

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	Amount	Donor	Director	Unit	Purpose
40	\$43,224	FORD MOTOR COMPANY FUND	Winn, Brian	TELECOM, INFORMATION STUDIES & MEDIA	DISTRACTED DRIVING SIMULATOR
COLLEGE OF EDUCATION					
41	\$18,500	COLLEGE BOARD THE	Reckase, Mark	COUNSELING, EDUC PSYCH & SPECIAL EDUCATION	THE COLLEGE BOARD RESEARCH FELLOWSHIP PROGRAM - XUECHUN ZHOU
42	\$346,102	NATL SCIENCE FOUNDATION	Smith, John	COUNSELING, EDUC PSYCH & SPECIAL EDUCATION	STRENGTHENING MEASUREMENT CURRICULUM, TEACHING, AND RESEARCH
43	\$43,058	UNIV OF WISCONSIN - MADISON	Austin-Beck, Ann	EDUCATIONAL ADMINISTRATION	THE CIRTL NETWORK - SHAPING; CONNECTING; AND SUPPORTING THE FUTURE NATIONAL STEM FACULTY
44	\$2,104,855	NATL SCIENCE FOUNDATION	Krajcik, Joseph	INST FOR RESEARCH ON MATH AND SCIENCE ED	DEVELOPING AND TESTING A MODEL TO SUPPORT STUDENT UNDERSTANDING OF THE SUB-MICROSCOPIC INTERACTIONS THAT GOVERN BIOLOGICAL AND CHEMICAL PROCESSES
45	\$20,303	ARIZONA UNIVERSITY OF	Schmidt, William	RESEARCH ON MATH & SCIENCE EDUCATION	R AND D: UNTANGLING MATHEMATICAL KNOTSS EVALUATION
46	\$460,651	NATL SCIENCE FOUNDATION	Anderson, Charles	TEACHER EDUCATION	CCE: A LEARNING PROGRESSION-BASED SYSTEM FOR PROMOTING UNDERSTANDING OF CARBON-TRANSFORMING PROCESSES
47	\$88,785	WISCONSIN UNIV OF	Anderson, Charles	TEACHER EDUCATION	PLACE-BASED OPPORTUNITIES FOR SUSTAINABLE OUTCOMES AND HIGH-HOPES (POSOH)
48	\$831,572	NATL SCIENCE FOUNDATION	Drake, Corey	TEACHER EDUCATION	TEACHERS EMPOWERED TO ADVANCE CHANGE IN MATHEMATICS (TEACH MATH): PREPARING PREK-8 TEACHERS TO CONNECT CHILDREN'S MATHEMATICAL THINKING AND COMMUNITY-BASED FUNDS OF KNOWLEDGE
49	\$40,000	SPENCER FOUNDATION	Florio-Ruane, Susan	TEACHER EDUCATION	"MY LITERACY TEACHING IS COMPREHENSIVE, BUT IS IT COHERENT?" INTERN TEACHERS' LEARNING OF LOCAL CURRICULAR DECISION-MAKING IN THE CONTEXT OF STATE MANDATES, SCRIPTED CURRICULA, AND STANDARDIZED ASSESSMENT

**Gift, Grant and Contract Report
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	Amount	Donor	Director	Unit	Purpose
50	\$140,333	MICHIGAN UNIVERSITY OF	Krajcik, Joseph	TEACHER EDUCATION	R&D: DEVELOPING AN EMPIRICALLY-TESTED LEARNING PROGRESSION FOR THE TRANSFORMATION OF MATTER TO INFORM CURRICULUM, INSTRUCTION AND ASSESSMENT DESIGN
51	\$42,107	SRI INTERNATL	Krajcik, Joseph	TEACHER EDUCATION	EFFICACY STUDY OF PROJECT-BASED INQUIRY SCIENCE (PBIS)
COLLEGE OF ENGINEERING					
52	\$187,500	OHIO STATE UNIVERSITY	Morelli, Donald	CHEMICAL ENGINEERING & MATERIALS SCIENCE	CRYOGENIC PELTIER COOLING
53	\$201,294	NORTHERN TECHNOLOGIES INTERNATIONAL	Narayan, Ramani	CHEMICAL ENGINEERING & MATERIALS SCIENCE	SBTT PHASE 2: ADVANCED POLYLACTIDE (PLA) MATERIALS FOR EXTRUSION AND MOLDING APPLICATIONS
54	\$232,285	NATL INST OF HEALTH - NIH/PHS	Walton, Stephen	CHEMICAL ENGINEERING & MATERIALS SCIENCE	MAXIMIZING SIRNA FUNCTION THROUGH MECHANISM-BASED SEQUENCE AND VEHICLE DESIGN
55	\$50,000	ARMY US DEPT OF	Cupples, Alison	CIVIL & ENVIRONMENTAL ENGINEERING	DEVELOPMENT OF BIOMARKERS FOR ASSESSING IN SITU RDX BIODEGRADATION POTENTIAL A WHITE PAPER BASED ON LIMITED SCOPE PROJECT
56	\$28,837	WISCONSIN UNIV OF	Galehouse, Larry	CIVIL & ENVIRONMENTAL ENGINEERING	NCHRP 14-25 GUIDE FOR SELECTING LEVEL-OF-SERVICE TARGETS FOR MAINTAINING AND OPERATING HIGHWAY ASSETS
57	\$20,000	TECHNOVA CORPORATION	Soroushian, Parviz	CIVIL & ENVIRONMENTAL ENGINEERING	INORGANIC MATRIX NANOCOMPOSITES
58	\$144,287	NAVAL RESEARCH US OFFICE OF USDN	Chai, Joyce	COMPUTER SCIENCE AND ENGINEERING	TOWARDS A COLLABORATIVE MODEL OF INTERPRETING AND GROUNDING IMPRECISE NATURAL LANGUAGE DESCRIPTIONS IN SITUATED DIALOGUE
59	\$191,691	NAVAL RESEARCH US OFFICE OF USDN	Jain, Anil	COMPUTER SCIENCE AND ENGINEERING	KERNEL LEARNING FOR FUSING UNCERTAIN INFORMATION FROM MULTIPLE HETEROGENEOUS SOURCES
60	\$77,512	NAVAL RESEARCH US OFFICE OF USDN	Jain, Anil	COMPUTER SCIENCE AND ENGINEERING	LARGE-SCALE KERNEL-BASED DATA CLUSTERING
61	\$50,000	VENTANA MEDICAL SYSTEMS, INC.	Jain, Anil	COMPUTER SCIENCE AND ENGINEERING	PATTERN RECOGNITION IN WHOLE SLIDE BRIGHTFIELD TISSUE IMAGES
62	\$30,000	WEST VIRGINIA UNIVERSITY	Jain, Anil	COMPUTER SCIENCE AND ENGINEERING	GENERATING A 3D FACE TEXTURE MODEL FROM INDEPENDENT 2D FACE IMAGES

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	Amount	Donor	Director	Unit	Purpose
63	\$8,000	NATL SCIENCE FOUNDATION	Liu, Xiang-Yang	COMPUTER SCIENCE AND ENGINEERING	CT-ISG: COLLABORATIVE RESEARCH: A NEW APPROACH TO TESTING AND VERIFICATION OF SECURITY POLICIES
64	\$9,742	FRAUNHOFER USA	Asmussen, Jes	ELECTRICAL AND COMPUTER ENGINEERING	FRAUNHOFER RESEARCH CENTER FOR COATING AND LASER APPLICATIONS
65	\$75,936	NATL SCIENCE FOUNDATION	Aviyente, Sara	ELECTRICAL AND COMPUTER ENGINEERING	CAREER: INTEGRATED RESEARCH AND EDUCATION IN FUNCTIONAL BRAIN NETWORKS
66	\$98,153	NATL SCIENCE FOUNDATION	Dong, Lixin	ELECTRICAL AND COMPUTER ENGINEERING	CAREER: NANOSYSTEMS ENABLED INTELLIGENT END-EFFECTORS FOR NANOROBOTIC MANIPULATION
67	\$230,000	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	Kempel, Leo	ELECTRICAL AND COMPUTER ENGINEERING	R F POLYMERS III
68	\$1,077,273	DEFENSE ADVANCED RESEARCH PROJECTS AGENC	Oweiss, Karim	ELECTRICAL AND COMPUTER ENGINEERING	A CLINICALLY VIABLE BRAIN MACHINE INTERFACE
69	\$2,400,000	ENERGY US DEPT OF	Peng, Fang	ELECTRICAL AND COMPUTER ENGINEERING	TRANSFORMER-LESS UNIFIED POWER FLOW CONTROLLER FOR WIND AND SOLAR POWER TRANSMISSION
70	\$88,951	NATL SCIENCE FOUNDATION	Ren, Jian	ELECTRICAL AND COMPUTER ENGINEERING	CAREER: TOWARDS COGNITIVE COMMUNICATIONS IN WIRELESS NETWORKS
71	\$81,228	ELECTRIC POWER RESEARCH INSTITUTE	Udpa, Lalita	ELECTRICAL AND COMPUTER ENGINEERING	DEVELOPMENT OF ALGORITHMS FOR AUTOMATIC ANALYSIS OF EDDY CURRENT INSPECTION DATA FROM SG TUBING
72	\$20,000	ELECTRIC POWER RESEARCH INSTITUTE	Udpa, Lalita	ELECTRICAL AND COMPUTER ENGINEERING	EVALUATION OF NRC/ANL DATA ANALYSIS ALGORITHMS
73	\$20,000	ELECTRIC POWER RESEARCH INSTITUTE	Udpa, Lalita	ELECTRICAL AND COMPUTER ENGINEERING	ASSESSMENT OF FUTURE LONG TERM DATA STORAGE COMPABILITIES
74	\$139,416	UNIV OF CALIFORNIA BERKELEY	Verboncoeur, John	ELECTRICAL AND COMPUTER ENGINEERING	ADVANCED MODELING OF ELECTRO-ENERGETIC DEVICES
75	\$150,000	WISCONSIN UNIV OF	Verboncoeur, John	ELECTRICAL AND COMPUTER ENGINEERING	BASIC STUDIES OF DISTRIBUTED DISCHARGE LIMITERS FOR COUNTER-HPM
76	\$23,994	AUTODESK, INC	Bush, Tamara	MECHANICAL ENGINEERING	UNDERSTANDING PRESSURE ULCERS: MERGING EXPERIMENTAL WITH SIMULATION USING THE SUITE OF AUTODESK PRODUCTS

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77	\$25,942	SAGE PRODUCTS, INC.	Bush, Tamara	MECHANICAL ENGINEERING	PROTOCOL DEVELOPMENT AND EVALUATION OF THE PREVALON TURN AND POSITION SYSTEM
78	\$10,000	CUMMINS POWER GENERATION	Foss, John	MECHANICAL ENGINEERING	CONSORTIUM MEMBERSHIP - CUMMINS, INC.
79	\$10,000	ROBERT BOSCH LLC	Foss, John	MECHANICAL ENGINEERING	CONSORTIUM MEMBERSHIP - BOSCH
80	\$55,000	FORD MOTOR COMPANY	Shaw, Steven	MECHANICAL ENGINEERING	DEVELOPMENT OF CAE TOOLS FOR PENDULUM ABSORBER DESIGN
81	\$6,000	NATL SCIENCE FOUNDATION	Shaw, Steven	MECHANICAL ENGINEERING	COLLABORATIVE RESEARCH: NOISY NONLINEAR MICROSCALE OSCILLATORS FOR NOVEL APPLICATION
82	\$6,000	NATL SCIENCE FOUNDATION	Shaw, Steven	MECHANICAL ENGINEERING	GOAL: NONLINEAR VIBRATION ABSORBERS FOR MULTI-FREQUENCY EXCITATION
83	\$100,000	ENERGY US DEPT OF	Zhu, Guoming	MECHANICAL ENGINEERING	HIGH EFFICIENCY CLEAN COMBUSTION FLEX FUEL OPTIMIZED SI AND HCCI ENGINE
COLLEGE OF HUMAN MEDICINE					
84	\$167,693	GREAT LAKES FISHERY COMMISSION	Kuhn, Leslie	BIOCHEMISTRY & MOLECULAR BIOLOGY CHM	DEVELOPMENT OF 3KPZS ANTAGONISTS FOR SEA LAMPREY CONTROL
85	\$118,992	NATL INST OF HEALTH - NIH/PHS	Birbeck, Gretchen	EPIDEMIOLOGY, DEPARTMENT OF	A COHORT STUDY OF SEIZURES AND EPILEPSY IN HIV+ ZAMBIAN ADULTS
86	\$50,495	MI DEPT COMMUNITY HEALTH	Wirth, Julia	EPIDEMIOLOGY, DEPARTMENT OF	BIOMONITORING OF PERSISTENT TOXIC SUBSTANCES IN MICHIGAN URBAN FISHEATERS
87	\$6,196	MI DEPT COMMUNITY HEALTH	Wirth, Julia	EPIDEMIOLOGY, DEPARTMENT OF	INFERTILITY PROJECT
88	\$36,743	MICHIGAN UNIVERSITY OF	Holtrop, Jodi	FAMILY MEDICINE, DEPARTMENT OF	UNIVERSITY OF MICHIGAN INSTITUTE FOR CLINICAL AND TRANSLATIONAL SCIENCE AWARD (MICHRA)
89	\$10,710	COLUMBIA UNIVERSITY	Dmello, Dale	HUMAN MEDICINE DEAN	ACLAIMS A COMPARISON OF LONG-ACTING INJECTABLE MEDICATIONS FOR SCHIZOPHRENIA. 7 RO1 MH081107-02
90	\$11,592	KIDS' FOOD BASKET	Holmes, Denise	HUMAN MEDICINE DEAN	KIDS' FOOD BASKET PROGRAM EVALUATION
91	\$38,650	MI DEPT COMMUNITY HEALTH	Holmes, Denise	HUMAN MEDICINE DEAN	HEALTHY HOMES LEAD POISONING PREVENTION PROGRAM
92	\$14,917	MI DEPT COMMUNITY HEALTH	Holmes, Denise	HUMAN MEDICINE DEAN	MICHIGAN MEDICAID DATA ANALYSIS: MATERNAL & INFANT PREGNANCY & PERINATAL TRENDS

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93	\$64,158	HEMOPHILIA FOUNDATION OF MICHIGAN	Penner, John	MEDICINE	CENTERS FOR DISEASE CONTROL AND PREVENTION (CDC) GRANT
94	\$35,200	FOREST LABORATORIES INC.	Stein, Gary	MEDICINE	CEFTAROLINE AND LEVOFLOXACIN FOR COMMUNITY ACQUIRED BACTERIAL PNEUMONIA
95	\$18,321	SUSAN G. KOMEN BREAST CANCER FOUNDATION	Tamkus, Deimante	MEDICINE	CHANGING TOMORROWS BREAST CANCER SURVIVORS PROGRAM
96	\$33,432	NATL INST OF HEALTH - NIH/PHS	Schutte, Brian	MICROBIOLOGY & MOLECULAR GENETICS CHM	ROLE OF IRF6 IN PALATAL EPITHELIUM
97	\$299,756	NATL INST CHILD HEALTH & HUMAN DEV -NIH/PHS	Fazleabas, Asgerally	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	MODULATION OF THE RECEPTIVE ENDOMETRIUM BY CG
98	\$60,718	BOSTON UNIVERSITY	Luke, Barbara	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	WOMEN'S HEALTH AFTER ASSISTED REPRODUCTIVE TECHNOLOGY: A POPULATION BASED STUDY
99	\$291,691	HENRY M. JACKSON FOUNDATION FOR ADVANCEMENT OF MILITARY MEDICINE	Risinger, John	OBSTETRICS GYNECOLOGY & REPRODUCTIVE BIO	GYNECOLOGIC CANCER TRANLATIONAL RESEARCH CENTER OF EXCELLENCE
100	\$255,440	MI DEPT COMMUNITY HEALTH	Karna, Padmani	PEDIATRICS AND HUMAN DEVELOPMENT	VON MI QUALITY INITIATIVE
101	\$13,680	AMERICAN THROMBOSIS & HEMOSTASIS NETWORK	Kulkarni, Roshni	PEDIATRICS AND HUMAN DEVELOPMENT	ATHNDATA.QUALITY.COUNTS
102	\$218,585	NATL INST OF HEALTH - NIH/PHS	Galligan, James	PHARMACOLOGY & TOXICOLOGY HUMAN MEDICINE	SERT KO RATS ARE A MODEL OF GENDER SPECIFIC VISCERAL PAIN
103	\$14,813	CINCINNATI UNIV OF	Lipton, Jack	TRANSLATION SCIENCE & MOLECULAR MED	STRESS-INDUCED DEPRESSION AND PARKINSONIAN SYMPTOMOLOGY
COLLEGE OF NATURAL SCIENCE					
104	\$176,405	NATL SCIENCE FOUNDATION	Burton, Zachary	BIOCHEMISTRY & MOLECULAR BIOLOGY CNS	ACTIVE SITE DEHYDRATION IN CATALYSIS BY RNA POLYMERASE
105	\$161,500	NATL INST OF HEALTH - NIH/PHS	Kuo, Min	BIOCHEMISTRY & MOLECULAR BIOLOGY CNS	HYPERPHOSPHORYLATED TAU AS DRUG TARGET
106	\$165,713	NATL SCIENCE FOUNDATION	Kuo, Min	BIOCHEMISTRY & MOLECULAR BIOLOGY CNS	HISTONES AND CELL DIVISION CONTROL

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107	\$300,000	JOHN HOPKINS UNIVERSITY	Dantus, Marcos	CHEMISTRY	SINGLE ULTRAFAST PULSE EXCITATION FOR REMOTE COHERENT ANTI-STOKES RAMAN SCATTERING FOR STANDOFF DETECTION OF EXPLOSIVES
108	\$300,000	NATL SCIENCE FOUNDATION	Hamann, Thomas	CHEMISTRY	CAREER: PHOTOELECTROCHEMICAL INVESTIGATION OF THIN FILM HEMATITE SOLAR CELLS
109	\$141,115	ENERGY US DEPT OF	Kirkpatrick Jr, R	CHEMISTRY	COMPUTATIONAL AND EXPERIMENTAL INVESTIGATIONS OF THE MOLECULAR SCALE STRUCTURE AND DYNAMICS OF GEOLOGICALLY IMPORTANT FLUIDS AND MINERAL-FLUID INTERFACES
110	\$374,471	DOW CHEMICAL CO	Smith, Milton	CHEMISTRY	SELECTIVE C-H ACTIVATION-BORYLATION OF ARENES AND HETEROCYCLES
111	\$100,000	NAVAL RESEARCH US OFFICE OF USDN	Swain, Greg	CHEMISTRY	PREDICTION OF GALVANIC CORROSION OF DEFENSE MATERIALS
112	\$328,416	NATL INST OF ALLERGY & INFEC DIS -NIH	Weliky, David	CHEMISTRY	SOLID-STATE NMR OF VIRAL FUSION PEPTIDES AND PROTEINS
113	\$366,544	NATL INST OF HEALTH - NIH/PHS	Xi, Zhiyong	ENTOMOLOGY NATURAL SCIENCE	ENDOSYMBIONT, ARBOVIRUS AND MOSQUITO INTERACTIONS AND THE DISEASE CONTROL
114	\$174,532	MICHIGAN TECH RESEARCH INSTITUTE	Hyndman, David	GEOLOGICAL SCIENCES	LINKING REMOTE SENSING AND PROCESS-BASED MODELS TO BETTER UNDERSTAND THE INFLUENCE OF LAND USE AND CLIMATE CHANGES ON GREAT LAKES COASTAL WETLANDS
115	\$74,139	STATE US DEPARTMENT OF	Mackey, Kevin	GEOLOGICAL SCIENCES	IMPROVEMENT OF GT CLASSIFICATION OF SOVIET PNES
116	\$44,500	NATL SCIENCE FOUNDATION	Conner, Jeffrey	KELLOGG BIOLOGICAL STATION NAT. SCI.	GENETIC MECHANISM OF RAPID ADAPTIVE EVOLUTION IN AN OUT BRED NATURAL POPULATION
117	\$65,276	NAVAL RESEARCH US OFFICE OF USDN	Bao, Gang	MATHEMATICS	INVERSE SCATTERING PROBLEMS IN WAVE PROPAGATION
118	\$53,263	NATL SCIENCE FOUNDATION	Gerhardt, Teena	MATHEMATICS	CAREER: EQUIVARIANT HOMOTOPY AND ALGEBRAIC K-THEORY
119	\$37,631	WESTERN MICHIGAN UNIVERSITY	Keller, Brin	MATHEMATICS	CORE MATH TOOLS
120	\$135,787	NATL SCIENCE FOUNDATION	Volberg, Alexander	MATHEMATICS	COLLABORATIVE RESEARCH - BELLMAN FUNCTION; HARMONIC ANALYSIS AND OPERATOR THEORY
121	\$122,769	CALIFORNIA INSTITUTE OF TECHNOLOGY	Adami, Christoph	MICROBIOLOGY & MOLECULAR GENETICS CNS	EVALUATING CONNECTOMES USING MEASURES OF COMPLEXITY AND SYNERGY

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122	\$528,258	MICHIGAN UNIVERSITY OF	Schmidt, Thomas	MICROBIOLOGY & MOLECULAR GENETICS CNS	THE ROLE OF THE GUT MICROBIOTA IN ULCERATIVE COLITIS
123	\$322,270	NATL INST OF HEALTH - NIH/PHS	Breedlove, Stephen	NEUROSCIENCE PROGRAM	HORMONAL EFFECTS ON BEHAVIOR AND SPINAL CORD MORPHOLOGY
124	\$378,372	NATL INST OF HEALTH - NIH/PHS	Wang, Hongbing	NEUROSCIENCE PROGRAM	CONNECTING MGLUR AND CAMP SIGNALING IN THE PRE-CLINICAL MODEL OF FRAGILE X
125	\$353,000	ENERGY US DEPT OF	Berz, Martin	PHYSICS-ASTRONOMY	ADVANCED MAP METHODS FOR THE DESCRIPTION OF PARTICLE BEAM DYNAMICS
126	\$150,000	BASF CORPORATION	Shachar-Hill, Yair	PLANT BIOLOGY CNS	R&D-CO-OPERATIVE AGREEMENT: METABOLIC FLUX ANALYSIS IN MAIZE
127	\$358,458	NATL INST OF HEALTH - NIH/PHS	He, Sheng-Yang	PLANT RESEARCH LABORATORY NATURAL SCIENCE	STOMATE-BASED INNATE IMMUNITY AGAINST BACTERIAL INFECTION IN ARABIDOPSIS
128	\$15,000	NATL SCIENCE FOUNDATION	Boughman, Janette	ZOOLOGY NATURAL SCIENCE	CAREER: MAPPING SEXUAL ISOLATION AND SEXUAL SELECTION IN NATURE FOR A MODEL VERTEBRATE
129	\$45,000	WISCONSIN UNIV OF	Esselman, Peter	ZOOLOGY NATURAL SCIENCE	CNH IMPACTS OF GLOBAL CHANGE SCENARIOS ON ECOSYSTEM SERVICES FROM THE WORLD'S RIVERS
130	\$252,220	JUSTICE US DEPT OF	Foran, David	ZOOLOGY NATURAL SCIENCE	DEVELOPING GUIDELINES FOR THE APPLICATION OF MULTIVARIATE STATISTICAL ANALYSIS TO FORENSIC EVIDENCE
COLLEGE OF OSTEOPATHIC MEDICINE					
131	\$76,000	NATL INST OF HEALTH - NIH/PHS	Koslowsky, Donna	MICROBIOLOGY & MOLECULAR GENETICS COM	DEEP SEQUENCE PROFILING OF GRNA TRANSCRIPTOMES IN TWO STAGES OF TRYPANOSOMA BRUCEI
132	\$7,601	GREAT LAKES REGIONAL CENTER OF EXCELL	Waters, Christopher	MICROBIOLOGY & MOLECULAR GENETICS COM	IDENTIFICATION AND CHARACTERIZATION OF ANTI-BIOFILM COMPOUNDS
133	\$180,114	NATL INST OF MENTAL HLTH -NIH/PHS	Boivin, Michael	NEUROLOGY & OPHTHALMOLOGY COM	NEUROPSYCHOLOGICAL BENEFIT OF COGNITIVE TRAINING WITH UGANDAN HIV CHILDREN
134	\$103,951	NATL INST NEURO & COMM DIS & STROKES	Goudreau, John	NEUROLOGY & OPHTHALMOLOGY COM	MICHIGAN STATE UNIVERSITY PARKINSON DISEASE CLINICAL CENTER
135	\$52,000	AMER HEART ASSOCIATION	Fink, Gregory	PHARMACOLOGY & TOXICOLOGY OSTEO MEDICINE	MECHANISMS BY WHICH RENAL DENERVATION CHRONICALLY LOWERS BLOOD PRESSURE IN THE SPONTANEOUSLY HYPERTENSIVE RAT

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136	\$39,561	NATL INST OF HEALTH - NIH/PHS	Watts, Stephanie	PHARMACOLOGY & TOXICOLOGY OSTEO MEDICINE	MECHANISM OF 5 -HYDROXYTRYPTAMINE-INDUCED HYPOTENSION
137	\$493,990	NATL INST OF HEALTH - NIH/PHS	Boivin, Michael	PSYCHIATRY OSTEOPATHIC MEDICINE	COMPUTERIZED COGNITIVE REHABILITATION IN CHILDREN AFTER SEVERE MALARIA
138	\$152,924	MI DEPT OF HUMAN SERVICES	Scheid, Jeanette	PSYCHIATRY OSTEOPATHIC MEDICINE	MEDICAL CONSULTANT
COLLEGE OF SOCIAL SCIENCE					
139	\$107,391	MICHIGAN UNIVERSITY OF	Bynum, Timothy	CRIMINAL JUSTICE	NACJD
140	\$39,192	MICHIGAN UNIVERSITY OF	Bynum, Timothy	CRIMINAL JUSTICE	DIRECTOR OF THE NATIONAL ARCHIVE OF CRIMINAL JUSTICE DATA
141	\$200,000	JUSTICE US DEPT OF	McGarrell, Edmund	CRIMINAL JUSTICE	2011 PROJECT SAFE NEIGHBORHOOD TRAINING AND TECHNICAL ASSISTANCE PROGRAM
142	\$70,178	AMES LABORATORY	Smith, Ruth	CRIMINAL JUSTICE	PROBABILITY-BASED PROCEDURE FOR STATISTICAL COMPARISON OF MASS SPECTRAL DATA
143	\$200,000	MI STATE POLICE	Wilson, Jeremy	CRIMINAL JUSTICE	INTELLECTUAL PROPERTY CRIME ENFORCEMENT
144	\$20,265	VETERANS ADMINISTRATION	Blow, Adrian	HUMAN DEVELOPMENT & FAMILY STUDIES - CSS	VETERANS ADMINISTRATION MOBILITY ASSIGNMENT
145	\$20,687	ARIZONA UNIVERSITY OF	Villarruel, Francisco	HUMAN DEVELOPMENT & FAMILY STUDIES - CSS	MULTI-DISCIPLINARY PARTNERSHIPS FOR STRENGTHENING CHILD-CARE & YOUTH DEVELOPMENT
146	\$52,842	MI DEPT COMMUNITY HEALTH	Hembroff, Larry	INST FOR PUBLIC POLICY AND SOCIAL RESEARCH	PREGNANCY RISK ASSESSMENT MONITORING SURVEY (PRAMS)
147	\$87,346	AIR FORCE US DEPT OF	Martini, Audrey	OFF CAMPUS CREDIT PROGRAM SOCIAL SCIENCES	RESOURCE PROTECTION CRIME PREVENTION THEORY, PRACTICE AND MANAGEMENT
148	\$217,757	NATL AERONAUTICS AND SPACE ADM	Kozlowski, Steven	PSYCHOLOGY SOCIAL SCIENCE	DEVELOPING, MAINTAINING AND RESTORING TEAM COHESION
149	\$102,822	NATL SCIENCE FOUNDATION	Pleskac, Timothy	PSYCHOLOGY SOCIAL SCIENCE	CAREER: BRINGING A DYNAMIC, STOCHASTIC AND COMPUTATIONAL UNDERSTANDING TO SUBJECTIVE PROBABILITIES
150	\$130,000	NATL SCIENCE FOUNDATION	Wade, Juli	PSYCHOLOGY SOCIAL SCIENCE	NEUROENDOCRINE REGULATION OF BEHAVIORAL DIFFERENCES

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151	\$111,883	ILLINOIS URBANA CHAMPAIGN UNIV OF	Gasteyer, Stephen	SOCIOLOGY SOCIAL SCIENCE	INTERDEPENDENCE; RESILIENCE; AND SUSTAINABILITY OF INFRASTRUCTURE SYSTEMS FOR BIOFUEL PRODUCTION SYSTEM
ASC PROVOST FOR UNDERGRADUATE EDUCATION					
152	\$659,582	EDUCATION U.S. DEPT OF	Wiggins, Aurles	SUPPORTIVE SERVICES PROGRAM	STUDENT SUPPORT SERVICE
COLLEGE OF VETERINARY MEDICINE					
153	\$25,080	AIR FORCE US DEPT OF	Lehner, Andreas	DIAGNOSTIC CTR FOR POPULATION & ANIMAL HLTH	CYANIDE TESTING
154	\$372,438	NATL INST OF HEALTH - NIH/PHS	Meek, Katheryn	PATHOBIOLOGY & DIAGNOSTIC INVESTIGATION CVM	DEFINING RELEVANT TARGETS OF DNA DEPENDENT PROTEIN KINASE
155	\$42,734	KCI ANIMAL HEALTH	Stanley, Bryden	SMALL ANIMAL CLINICAL SCIENCES	THE EFFECT OF NEGATIVE PRESSURE THERAPY ON THE HEALING OF SUTURED WOUNDS
156	\$32,000	NATL INST OF HEALTH - NIH/PHS	Yuzbasiyan-Gurkan, Vilma	VETERINARY MEDICINE DEAN	VETERINARIANS AND BIOMEDICAL RESEARCH: BUILDING CAPACITY
157	\$38,764	US DEPT AGRICULTURE	Yuzbasiyan-Gurkan, Vilma	VETERINARY MEDICINE DEAN	ACQUISITION OF GOODS AND SERVICES
NAT'L SUPERCONDUCTING CYCLOTRON LABORATORY					
158	\$5,000,000	ENERGY US DEPT OF	Glasmacher, Thomas	NAT'L SUPERCONDUCTING CYCLOTRON LABORATORY	FACILITY FOR RARE ISOTOPE BEAMS (FRIB)
159	\$991,911	UNIV OF CALIFORNIA BERKELEY	Sherrill, Bradley	NAT'L SUPERCONDUCTING CYCLOTRON LABORATORY	THE NUCLEAR SCIENCE AND SECURITY CONSORTIUM
ASC PROV FOR UNIV OUTREACH & ENGAGEMENT					
160	\$40,000	NATL ENDOWMENT FOR THE ARTS	Macdowell, Marsha	MUSEUM - UOE	2012 GREAT LAKES FOLK FESTIVAL
161	\$8,000	MI ARTS & CULTURAL AFFAIRS	Morgan, Gary	MUSEUM - UOE	MSU MUSEUM OPERATIONAL SUPPORT PROGRAM
162	\$88,390	UNIVERSITY OF COLORADO - DENVER	Barnes Najor, Jessica	OUTREACH & ENGAGEMENT PARTNERSHIPS	AMERICAN INDIAN AND ALASKA NATIVE EARLY CHILDHOOD RESEARCH CENTER

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163	\$339,311	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	Farrell, Patricia	OUTREACH & ENGAGEMENT PARTNERSHIPS	FIRSTSCHOOL IMPLEMENTATION
164	\$16,000	MI ARTS & CULTURAL AFFAIRS	Goldstein, Bert	PERFORMING ARTS FACILITIES & PROGRAMS	MSU FEDERAL CREDIT UNION INSTITUTE FOR ARTS AND CREATIVITY
165	\$21,736	MICHIGAN UNIVERSITY OF	Fitzgerald, Hiram	UNIV OUTREACH & ENGAGEMENT - ADMINISTRATION	NEUROCOGNITIVE RISK FOR ALCOHOLISM INTO ADULTHOOD
166	\$338,494	MICH DEPT OF LICENSING & REGULATORY AFFAIRS	Swierenga, Sarah	USABILITY/ ACCESSIBILITY RESEARCH CONSULTING	HEALTHCARE WORKERS BACKGROUND CHECKS
MICHIGAN AGRICULTURAL EXPERIMENT STATION					
167	\$12,134	MINNESOTA UNIV OF	Harsh, Stephen	AGRICULTURAL, FOOD, AND RESOURCE ECONOMICS	DEVELOPMENT OF TRADE ADJUSTMENT ASSISTANCE INTENSIVE TECHNICAL ASSISTANCE MODULES FOR THE ASPARAGUS INDUSTRY
168	\$4,107,695	AGENCY FOR INTERNATL DEVELOPMENT	Jayne, Thomas	AGRICULTURAL, FOOD, AND RESOURCE ECONOMICS	FOOD SECURITY RESEARCH PROJECT - PHASE III
169	\$15,000	WORLD BANK	Jin, Songqing	AGRICULTURAL, FOOD, AND RESOURCE ECONOMICS	LAND AND LABOR INSTITUTIONS IN THE PROCESS OF RURAL DEVELOPMENT: EVIDENCE FROM CHINA AND INDIA
170	\$17,177	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	Lupi, Frank	AGRICULTURAL, FOOD, AND RESOURCE ECONOMICS	A STATEWIDE SURVEY OF MICHIGAN'S LICENSED ANGLERS
171	\$62,290	INTL FOOD POLICY RESEARCH INSTITUTE	Reardon, Thomas	AGRICULTURAL, FOOD, AND RESOURCE ECONOMICS	INTERNATIONAL FOOD POLICY RESEARCH INSTITUTE (IFPRI) / EMERGING VERTICAL COORDINATION IN ASIAN FOOD SYSTEMS IMPLICATIONS FOR GROWTH, EFFICIENCY, EQUITY, AND SUSTAINABILITY.
172	\$80,000	CARGILL INCORPORATED	Allen, Michael	ANIMAL SCIENCE DEPARTMENT - AES	EFFECTS OF A DAIRY PROTEIN PRODUCT (DPP) FROM THE CORN WET-MILLING INDUSTRY ON ENERGY INTAKE AND PARTITIONING OF LACTATING COWS.
173	\$141,771	RENSSELAER POLYTECHNIC INSTITUTE	Cibelli, Jose	ANIMAL SCIENCE DEPARTMENT - AES	DERIVATION OF XENOFREE HUMAN EMBRYONIC STEM CELL LINES FROM MINORITY POPULATIONS

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174	\$64,976	PENNSYLVANIA STATE UNIVERSITY	Coussens, Paul	ANIMAL SCIENCE DEPARTMENT - AES	M. PARATUBERCULOSIS INHIBITION OF MACROPHAGE APOPTOSIS: A KEY IMMUNE EVASION TACTIC
175	\$52,539	PENNSYLVANIA UNIVERSITY OF	Coussens, Paul	ANIMAL SCIENCE DEPARTMENT - AES	JDIP VACCINE TRIAL: PROPOSED MOUSE IMMUNOLOGY STUDIES
176	\$238,500	USDA - NATIONAL INSTITUTE OF FOOD AND AGRICULTURE	Ernst, Catherine	ANIMAL SCIENCE DEPARTMENT - AES	INTEGRATED GENOMICS TRAINING PROGRAM IN QUANTITATIVE, STATISTICAL AND MOLECULAR GENETICS, AND BREEDING OF FOOD ANIMALS
177	\$70,000	BERG + SCHMIDT GMBH & CO. KG	Lock, Adam	ANIMAL SCIENCE DEPARTMENT - AES	MILK YIELD AND MILK FAT RESPONSE TO DIETARY C16:0 SUPPLEMENTATION
178	\$360,634	USDA - NATIONAL INSTITUTE OF FOOD AND AGRICULTURE	Marks, Bradley	BIOSYSTEMS & AG ENGINEERING MAES	A GENERALIZED PHENOMENOLOGICAL MODEL FOR BACTERIAL TRANSFER TO/FROM FRESH PRODUCE
179	\$59,934	THE CERES TRUST	Snapp, Sieglinde	CROP AND SOIL SCIENCE AES	ORGANIC MANAGEMENT EFFECTS ON INDIVIDUAL SPECIES OF MYCORRHIZAL FUNGI, AND THE CONSEQUENCES FOR PLANT PERFORMANCE AND SOIL HEALTH
180	\$15,000	MICH SUGAR CO	Sprague, Christy	CROP AND SOIL SCIENCE AES	SUGARBEET RESEARCH
181	\$38,000	MINNESOTA UNIV OF	Thelen, Kurt	CROP AND SOIL SCIENCE AES	AGRONOMIC LIMITATIONS OF SOYBEAN YIELD AND SEED QUALITY IN US
182	\$60,129	GREAT LAKES FISHERY COMMISSION	Jones, Michael	FISHERIES AND WILDLIFE AES	RESEARCH ASSOCIATE SALARY AND FRINGE - HAYDEN
183	\$50,233	GREAT LAKES FISHERY COMMISSION	Jones, Michael	FISHERIES AND WILDLIFE AES	A MANAGEMENT STRATEGY EVALUATION FOR LAKE ERIE WALLEYE AND YELLOW PERCH
184	\$64,000	USDA - FOREST SERVICE	Finley, Andrew	FORESTRY AES	ASSESSING SPATIAL VARIABILITY IN FOREST CARBON POOLS AND FLUXES: A GEOSPATIAL ANALYSIS.
185	\$94,861	PURDUE UNIV	Andresen, Jeffrey	GEOGRAPHY	USEFUL TO USABLE (U2U): TRANSFORMING CLIMATE VARIABILITY AND CHANGE INFORMATION FOR CEREAL CROP PRODUCERS
186	\$594,695	UTAH UNIVERSITY OF	Jiang, Ning	HORTICULTURE-MAES	DEVELOPING AN EFFECTIVE, PORTABLE ANNOTATION ENGINE FOR PLANT GENOMES
187	\$11,277	AMCOL INTERNATIONAL CORPORATION	Rowe, Dana	HORTICULTURE-MAES	EVALUATION OF PRODUCT AN012011 FOR AN EXTENSIVE GREEN ROOF.
188	\$12,000	VALENT BIOSCIENCES CORP	Schwallier, Philip	LAND MANAGEMENT OFFICE	UNRESTRICTED GIFT IN SUPPORT OF RESEARCH.
189	\$9,000	VALENT BIOSCIENCES CORP	Schwallier, Philip	LAND MANAGEMENT OFFICE	UNRESTRICTED GIFT IN SUPPORT OF RESEARCH.

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190	\$35,376	NEOGEN CORP	Grooms, Daniel	LARGE ANIMAL CLINICAL SCIENCES AES	APPLICATION OF THE BETASTAR PLUS ANTIBIOTIC RESIDUE TEST TO INDIVIDUAL MILK SAMPLES
191	\$181,695	MICHIGAN UNIVERSITY OF	Schmidt, Thomas	MICROBIOLOGY & MOLECULAR GENETICS MAES	UNDERSTANDING THE LUNG MICROBIOME IN HIV-INFECTED AND HIV-UNINFECTED INDIVIDUALS
192	\$28,091	INSTITUTE OF KOREA PACKAGING SYSTEMS	Bix, Laura	PACKAGING - MAES	THE EFFECT OF INTERACTIVE WARNINGS ON ATTENTIVE BEHAVIORS WHEN VIEWING MEDICATIONS
193	\$7,500	NATL SCIENCE FOUNDATION	Lau, Jennifer	PLANT BIOLOGY AES	THE COMMUNITY CONTEXT OF GENOTYPE-BY-GENOTYPE INTERACTIONS: IMPLICATIONS FOR BIOLOGICAL INVASIONS
194	\$10,000	MICH ASPARAGUS RESEARCH INC	Hausbeck, Mary	PLANT PATHOLOGY MAES	SEEKING EXPANSION OF IPM TOOLS FOR ASPARAGUS PRODUCTION.
MICHIGAN STATE UNIVERSITY EXTENSION					
195	\$25,000	KANSAS STATE UNIVERSITY	Moyses, Kendra	CHILDREN, YOUTH, FAMILIES & COMMUNITIES	MILITARY 4-H CLUB
196	\$12,100	US DEPT AGRICULTURE	Kells, James	CROP AND SOIL SCIENCES CES	2011-12 SUGARBEET RESEARCH
197	\$31,796	CORN MARKETING PROGRAM OF MICHIGAN	Mutch, Dale	EXTENSION SOUTHWEST REGION	COMBINING STRIP TILLAGE AND DUAL COVER CROPS TO INCREASE PROFITABILITY
198	\$62,239	MINNESOTA UNIV OF	Mutch, Dale	EXTENSION AGRICULTURE AND AGRIBUSINESS	MICHIGAN NCR-SARE STATE SUSTAINABLE AGRICULTURE PDP – 2008 – REGIONAL TRAINING SUPPLEMENTAL
199	\$39,400	MISSISSIPPI STATE UNIVERSITY	Ivan, David	EXTENSION GREENING MICHIGAN	SET STRONGER ECONOMIES TOGETHER
200	\$21,629	MICHIGAN DEPARTMENT OF AGRICULTURE	Contreras, Dawn	EXTENSION HEALTH AND NUTRITION	“FACTS ABOUT MI FOOD”; RETAIL GROCERY FOOD SAFETY EDUCATION CAMPAIGN
201	\$126,940	MICHIGAN UNIVERSITY OF	Pistis, Charles	FISHERIES AND WILDLIFE CES	OUTREACH AND EDUCATION COORDINATION FOR NOAA CENTER OF EXCELLENCE FOR GREAT LAKES AND HUMAN HEALTH - GLRI OHH
202	\$12,000	MICH SUGAR CO	Beaudry, Randolph	HORTICULTURE - MSUE	CHANGING SENSITIVITY OF SUGARBEET ROOTS TO DECAY THROUGHOUT THE STORAGE CAMPAIGN: GERMPASM EVALUATION AND SYMPTOM AMELIORATION.
203	\$150,282	CORNELL UNIV	Sabbatini, Paolo	HORTICULTURE - MSUE	NORTHERN GRAPES: INTEGRATING VITICULTURE, WINEMAKING, AND MARKETING OF NEW COLD-HARDY CULTIVARS SUPPORTING NEW AND GROWING RURAL WINERIES.

**Gift, Grant and Contract Report
Board Of Trustees
April 2012**

	Amount	Donor	Director	Unit	Purpose
204	\$58,685	THE CERES TRUST	Mutch, Dale	KELLOGG BIOLOGICAL STATION CES	ON-FARM ORGANIC SOYBEAN VARIETY TRIALS
205	\$45,500	MI ENVIRONMENTAL QUALITY	Schools, Edward	NATURAL FEATURES INVENTORY MSUE	UTILIZING NEXRAD WEATHER DATA AND A HOTSPOT ANALYSIS TO DETERMINE BIRD MIGRATION CONCENTRATION AREAS
206	\$60,000	MI ENVIRONMENTAL QUALITY	Slaughter, Bradford	NATURAL FEATURES INVENTORY MSUE	NATURAL COMMUNITY SURVEYS OF MICHIGAN'S COASTAL ZONE
207	\$12,493	NEBRASKA UNIVERSITY OF	Beyea, Wayne	SCHL OF PLANNNG,DSGN&CNST-MSUE	2012 LAND USE PLANNING COP LEADERSHIP
VICE PRES RESEARCH AND GRADUATE STUDIES					
208	\$580,000	ECONOMIC DEVELOPMENT ADMINISTRATION	Hunt, Paul	ASSOCIATE VICE PRESIDENT FOR RESEARCH	PROOF OF CONCEPT CENTER: GREEN CHEMISTRY SCALE-UP (PCCGCS)
GRADUATE SCHOOL DEAN					
209	\$821,800	NATL SCIENCE FOUNDATION	Klomprens, Karen	GRADUATE SCHOOL DEAN	GRADUATE RESEARCH FELLOWSHIP PROGRAM
UNIVERSITY ADVANCEMENT					
210	\$27,918,371	VARIOUS DONORS	Groves, Robert	VICE PRESIDENT FOR UNIVERSITY ADVANCEMENT	GIFTS TO MSU FOR OCTOBER THROUGH DECEMBER, 2011
V.P. FINANCE AND OPERATIONS AND TREASURER					
211	\$197,416	VARIOUS DONORS	Poston, Freddie	MSU FOUNDATION	QUARTERLY GIFT/GRANT TRANSFER
MSU GLOBAL					
212	\$29,000	U S INTERNATL UNIVERSITY	Geith, Christine	MSU GLOBAL	AGRIBUSINESS CURRICULUM DEVELOPMENT BETWEEN MSU - USIU
GENERAL UNIVERSITY ITEMS					
213	\$310,149	MICHIGAN ECONOMIC DEVELOPMENT CORP	Bellamy, Pamela	K-C-P COLLEGE DAY PROGRAMS	YEAR 1 MICHIGAN GEAR UP/COLLEGE DAY PROGRAM
Various					
214	\$83,426	VARIOUS	Various	Various	34 CONSOLIDATED GRANTS WITH INDIVIDUAL VALUES LESS THAN \$5000. DETAILS ON FILE IN CONTRACT & GRANT ADMIN., ROOM 301 ADMIN. BLDG.
	\$69,204,300	Total April 2012 Board			

CONSIGNMENT/NON-CASH GIFTS
BOARD OF TRUSTEES
APRIL 2012

GIFT NO.	GIFT	DONOR	DEPARTMENT NAME	ESTIMATED VALUE	PURPOSE OR USE
1	John George Brown (Br/Amer., 1893-1913) <i>Boy with a Rose</i> , 1884 Oil on canvas 18 x 24 inches	Dr. John Faust	Broad Art Museum	\$125,000.00	Art display
2	102 Boxes of personal and faculty papers of Margaret Zee Jones	Margaret Zee Jones	University Archives & Historical Collections AB17	\$ 51,550.00	Research at the MSU Archives & Historical Collections
3	Presidential collection of books, medallions, busts and ephemera	Michael Getto	MSU Libraries	\$ 31,716.00	Libraries Special Collections
4	8 DMBT Module 1 Interface module 12 Processors	Pfizer, Inc.	MSU Bioeconomy Institute Holland Initiative	\$14,000.00	Plant operations
5	Catering for MSU reception Naples, Florida	Craig Brown	Spartan Fund – Athletics	\$10,102.63	Donor reception
6	2000 Wintersteiger PlotKing #2600 Corn planter with check heads, cable & cable winder	Dow AgroSciences	Crop & Soil Sciences	\$10,000.00	Research & testing
7	Reception at Capital Grille Tampa, Florida	David George	Spartan Fund – Athletics Total \$11, 432.33 Split between George/Hickey	\$ 6,432.33	Dinner for MSU Football Coaching and support staff prior to the Outback Bowl Game, December 2012.
8	Restaurant gift cards	Phil Hickey	Spartan Fund – Athletics	\$ 6,000.00	Restaurant gift cards for traveling baseball team.

CONSIGNMENT/NON-CASH GIFTS
BOARD OF TRUSTEES
APRIL 2012

9	Reception at Capital Grille Tampa, Florida	Phil Hickey	Spartan Fund – Athletics Total \$11, 432.33 Split between George/Hickey	\$ 5,000.00	Dinner for MSU Football Coaching and support staff prior to the Outback Bowl Game, December 2012.
10	Shipping football equipment	B&J Moving	Intercollegiate Athletics	\$ 5,000.00	Transport football equipment to the Outback Bowl
11- 122	Various	Various	Various	\$110,315.86	112 Consolidated non-cash gifts for individual values less than \$5,000 details on file in the Contract & Grant Admin Room 301 Admin Bldg.
			TOTAL NON-CASH GIFTS & LOANS	\$375,116.82	