

MICHIGAN STATE  
UNIVERSITY

June 1, 2010

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 April 3, 2010 through June 1, 2010. The report is a compilation of 336 Gifts, Grants and Contracts, 63 Consignment/Non-Cash Gifts, with a total value of \$61,365,101.

FY 2009-10 TOTALS:

|  |               |
|--|---------------|
| a) Gifts & Grants only:                              | \$495,474,788 |
| b) Gifts, Grants, & Consignments:                    | \$500,583,150 |
| (Consignments are Non-Cash Gifts and Non-Cash Loans) |               |



OFFICE OF THE  
**VICE PRESIDENT  
FOR RESEARCH  
AND GRADUATE  
STUDIES**

**J. Ian Gray  
Vice President**

Michigan State University  
232 Administration Building  
East Lansing, MI  
48824-1046  
517/355-0306  
FAX: 517/432-1171  
[www.msu.edu/unit/vprgs](http://www.msu.edu/unit/vprgs)

RESOLUTION:

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

JIG/sb

## Current Period / Year to Date

### Gift & Grant Awards

Meeting Date: June 18, 2010

#### AWARD TOTALS

| RESEARCH          |                                       |                               |                   |
|-------------------|---------------------------------------|-------------------------------|-------------------|
| Gift/Grant Source | 04/03/10-06/01/10<br>Acceptance Total | 09-10 YTD<br>Acceptance Total | % of Total<br>YTD |
| Federal           | 25,316,388                            | 222,580,018                   | 74.6%             |
| State of Michigan | 680,484                               | 7,487,617                     | 2.5%              |
| Other             | 12,160,629                            | 28,528,582                    | 9.6%              |
| Industry          | 2,431,923                             | 12,660,962                    | 4.2%              |
| Foundation        | 609,869                               | 22,934,733                    | 7.7%              |
| Association       | 642,476                               | 4,316,288                     | 1.4%              |
| <b>TOTAL</b>      | <b>41,841,769</b>                     | <b>298,508,200</b>            | <b>100.0%</b>     |

| NON-RESEARCH      |                                       |                               |                   |
|-------------------|---------------------------------------|-------------------------------|-------------------|
| Gift/Grant Source | 04/03/10-06/01/10<br>Acceptance Total | 09-10 YTD<br>Acceptance Total | % of Total<br>YTD |
| Federal           | 2,900,521                             | 89,765,052                    | 45.6%             |
| State of Michigan | 289,582                               | 8,188,611                     | 4.2%              |
| Other             | 13,644,941                            | 84,553,898                    | 42.9%             |
| Industry          | 72,602                                | 3,629,258                     | 1.8%              |
| Foundation        | 1,044,237                             | 7,819,108                     | 4.0%              |
| Association       | 477,657                               | 3,010,661                     | 1.5%              |
| <b>TOTAL</b>      | <b>18,429,540</b>                     | <b>196,966,588</b>            | <b>100.0%</b>     |

| TOTAL             |                                       |                               |                   |
|-------------------|---------------------------------------|-------------------------------|-------------------|
| Gift/Grant Source | 04/03/10-06/01/10<br>Acceptance Total | 09-10 YTD<br>Acceptance Total | % of Total<br>YTD |
| Federal           | 28,216,909                            | 312,345,070                   | 63.0%             |
| State of Michigan | 970,066                               | 15,676,228                    | 3.2%              |
| Other             | 25,805,570                            | 113,082,480                   | 22.8%             |
| Industry          | 2,504,525                             | 16,290,220                    | 3.3%              |
| Foundation        | 1,654,106                             | 30,753,841                    | 6.2%              |
| Association       | 1,120,133                             | 7,326,949                     | 1.5%              |
| <b>TOTAL</b>      | <b>60,271,309</b>                     | <b>495,474,788</b>            | <b>100.0%</b>     |

#### # OF AWARDS

| RESEARCH          |                                       |                               |                   |
|-------------------|---------------------------------------|-------------------------------|-------------------|
| Gift/Grant Source | 04/03/10-06/01/10<br>Acceptance Total | 09-10 YTD<br>Acceptance Total | % of Total<br>YTD |
| Federal           | 122                                   | 916                           | 42.9%             |
| State of Michigan | 16                                    | 110                           | 5.2%              |
| Other             | 45                                    | 301                           | 14.1%             |
| Industry          | 39                                    | 529                           | 24.8%             |
| Foundation        | 16                                    | 107                           | 5.0%              |
| Association       | 27                                    | 170                           | 8.0%              |
| <b>TOTAL</b>      | <b>265</b>                            | <b>2,133</b>                  | <b>100.0%</b>     |

| NON-RESEARCH      |                                       |                               |                   |
|-------------------|---------------------------------------|-------------------------------|-------------------|
| Gift/Grant Source | 04/03/10-06/01/10<br>Acceptance Total | 09-10 YTD<br>Acceptance Total | % of Total<br>YTD |
| Federal           | 24                                    | 186                           | 28.0%             |
| State of Michigan | 8                                     | 61                            | 9.2%              |
| Other             | 21                                    | 218                           | 32.8%             |
| Industry          | 8                                     | 141                           | 21.2%             |
| Foundation        | 8                                     | 35                            | 5.3%              |
| Association       | 2                                     | 23                            | 3.5%              |
| <b>TOTAL</b>      | <b>71</b>                             | <b>664</b>                    | <b>100.0%</b>     |

| TOTAL             |                                       |                               |                   |
|-------------------|---------------------------------------|-------------------------------|-------------------|
| Gift/Grant Source | 04/03/10-06/01/10<br>Acceptance Total | 09-10 YTD<br>Acceptance Total | % of Total<br>YTD |
| Federal           | 146                                   | 1,102                         | 39.4%             |
| State of Michigan | 24                                    | 171                           | 6.1%              |
| Other             | 66                                    | 519                           | 18.6%             |
| Industry          | 47                                    | 670                           | 24.0%             |
| Foundation        | 24                                    | 142                           | 5.1%              |
| Association       | 29                                    | 193                           | 6.9%              |
| <b>TOTAL</b>      | <b>336</b>                            | <b>2,797</b>                  | <b>100.0%</b>     |

Data Source: Office of Contracts and Grants Proposal Tracking Database

Report Source: Office of the Vice President for Research and Graduate Studies

## Comparison of Prior Year YTD totals to Current Year YTD totals

### Gift & Grant Awards

Meeting date: June 18, 2010

#### AWARD TOTALS

| RESEARCH          |                    |                    |              |
|-------------------|--------------------|--------------------|--------------|
|                   | 08-09 YTD Total    | 09-10 YTD Total    |              |
| Gift/Grant Source | 06/03/08-06/05/09  | 06/06/09-06/01/10  | % Change     |
| Federal           | 180,064,903        | 222,580,018        | 23.6%        |
| State of Michigan | 10,715,396         | 7,487,617          | -30.1%       |
| Other             | 18,708,897         | 28,528,582         | 52.5%        |
| Industry          | 8,867,386          | 12,660,962         | 42.8%        |
| Foundation        | 27,198,460         | 22,934,733         | -15.7%       |
| Association       | 4,465,099          | 4,316,288          | -3.3%        |
| <b>TOTAL</b>      | <b>250,020,141</b> | <b>298,508,200</b> | <b>19.4%</b> |

| NON-RESEARCH      |                    |                    |              |
|-------------------|--------------------|--------------------|--------------|
|                   | 08-09 YTD Total    | 09-10 YTD Total    |              |
| Gift/Grant Source | 06/03/08-06/05/09  | 06/06/09-06/01/10  | % Change     |
| Federal           | 61,554,210         | 89,765,052         | 45.8%        |
| State of Michigan | 9,573,486          | 8,188,611          | -14.5%       |
| Other             | 70,171,670         | 84,553,898         | 20.5%        |
| Industry          | 2,273,259          | 3,629,258          | 59.7%        |
| Foundation        | 4,744,871          | 7,819,108          | 64.8%        |
| Association       | 6,583,160          | 3,010,661          | -54.3%       |
| <b>TOTAL</b>      | <b>154,900,656</b> | <b>196,966,588</b> | <b>27.2%</b> |

| TOTAL             |                    |                    |              |
|-------------------|--------------------|--------------------|--------------|
|                   | 08-09 YTD Total    | 09-10 YTD Total    |              |
| Gift/Grant Source | 06/03/08-06/05/09  | 06/06/09-06/01/10  | % Change     |
| Federal           | 241,619,113        | 312,345,070        | 29.3%        |
| State of Michigan | 20,288,882         | 15,676,228         | -22.7%       |
| Other             | 88,880,567         | 113,082,480        | 27.2%        |
| Industry          | 11,140,645         | 16,290,220         | 46.2%        |
| Foundation        | 31,943,331         | 30,753,841         | -3.7%        |
| Association       | 11,048,259         | 7,326,949          | -33.7%       |
| <b>TOTAL</b>      | <b>404,920,797</b> | <b>495,474,788</b> | <b>22.4%</b> |

#### # OF AWARDS

| RESEARCH          |                   |                   |              |
|-------------------|-------------------|-------------------|--------------|
|                   | 08-09 YTD Total   | 09-10 YTD Total   |              |
| Gift/Grant Source | 06/03/08-06/05/09 | 06/06/09-06/01/10 | % Change     |
| Federal           | 731               | 916               | 25.3%        |
| State of Michigan | 99                | 110               | 11.1%        |
| Other             | 333               | 301               | -9.6%        |
| Industry          | 385               | 529               | 37.4%        |
| Foundation        | 99                | 107               | 8.1%         |
| Association       | 168               | 170               | 1.2%         |
| <b>TOTAL</b>      | <b>1,815</b>      | <b>2,133</b>      | <b>17.5%</b> |

| NON-RESEARCH      |                   |                   |              |
|-------------------|-------------------|-------------------|--------------|
|                   | 08-09 YTD Total   | 09-10 YTD Total   |              |
| Gift/Grant Source | 06/03/08-06/05/09 | 06/06/09-06/01/10 | % Change     |
| Federal           | 140               | 186               | 32.9%        |
| State of Michigan | 73                | 61                | -16.4%       |
| Other             | 178               | 218               | 22.5%        |
| Industry          | 111               | 141               | 27.0%        |
| Foundation        | 26                | 35                | 34.6%        |
| Association       | 32                | 23                | -28.1%       |
| <b>TOTAL</b>      | <b>560</b>        | <b>664</b>        | <b>18.6%</b> |

| TOTAL             |                   |                   |              |
|-------------------|-------------------|-------------------|--------------|
|                   | 08-09 YTD Total   | 09-10 YTD Total   |              |
| Gift/Grant Source | 06/03/08-06/05/09 | 06/06/09-06/01/10 | % Change     |
| Federal           | 871               | 1,102             | 26.5%        |
| State of Michigan | 172               | 171               | -0.6%        |
| Other             | 511               | 519               | 1.6%         |
| Industry          | 496               | 670               | 35.1%        |
| Foundation        | 125               | 142               | 13.6%        |
| Association       | 200               | 193               | -3.5%        |
| <b>TOTAL</b>      | <b>2,375</b>      | <b>2,797</b>      | <b>17.8%</b> |

Data Source: Office of Contracts and Grants Proposal Tracking Database

Report Source: Office of the Vice President for Research and Graduate Studies

Top 10 Awards for the June 18, 2010 BOT Meeting

| Rank | Funding Type | Award Amount | First PI             | Grantor                                 | Dept               | Func Tp | tion | Project Dates        | TITLE  |
|------|--------------|--------------|----------------------|---|--------------------|---------|------|----------------------|--|
| 1    | Other        | 8,797,446    | Walton, Jonathan     | BD OF REGENTS OF THE UNIV WISCONSIN SYS | GLBRC-VPRGS        | N       | Res  | 09/30/07<br>11/30/10 | Great Lakes BioEnergy Research Center  |
| 2    | Fed          | 3,280,782    | Morrissey, David     | NATL SCIENCE FOUNDATION                 | NATL CYCLOTRON LAB | N       | Res  | 04/01/10<br>03/31/13 | Development of a high-performance gas-filled cyclotron stopper   |
| 3    | Fed          | 1,943,070    | HOLLINGWORTH, ROBERT | US DEPT AGRICULTURE                     | ENTOMOLOGY         | N       | Res  | 07/01/10<br>06/30/11 | Interregional Research Project No. 4 Minor Crop Pest Management for the North Central Region                                   |
| 4    | Fed          | 1,272,367    | BUELL, CAROL R       | NATL SCIENCE FOUNDATION                 | PLANT BIOLOGY      | R       | Res  | 09/28/07<br>08/31/11 | AN ANNOTATION RESOURCE FOR THE RICE GENOME   |
| 5    | Indsty       | 1,126,552    | Warner, Ryan         | PURECIRCLE SDN.BHD                      | HORTICULTURE MAES  | N       | Res  | 04/23/10<br>04/22/14 | Developing high rebaudioside A yielding cultivars and genetic tools for marker assisted selection to improve Stevia rebaudiana |
| 6    | Fed          | 945,500      | ROSE, JOAN B         | ENVIRONMENTAL PROTECTION AGENCY         | FISHERIES & WILDLF | N       | Res  | 09/01/05<br>08/31/10 | Center For Advancing Microbial Risk Assessment   |
| 7    | Fed          | 900,000      | Bao, Gang            | NATL SCIENCE FOUNDATION                 | MATHEMATICS        | N       | Res  | 06/01/10<br>05/31/13 | FRG: Collaborative Research: Modeling, Computation, and Analysis of Optical Responses of Nano Structures                       |
| 8    | Fed          | 810,000      | BROCK, RAYMOND L     | NATL SCIENCE FOUNDATION                 | PHYSICS-ASTRONOMY  | R       | Res  | 05/01/08<br>04/30/11 | RESEARCH ELEMENTARY PARTICLE PHYSICS   |
| 9    | Other        | 720,000      | Bauer, Alison        | AMER CANCER SOCIETY                     | INTEG TOXICOLOGY   | N       | Res  | 07/01/10<br>06/30/14 | The role of toll like receptor 4 in mouse pulmonary neoplasia  |
| 10   | Fed          | 700,000      | SCHOCK, HAROLD       | ENERGY US DEPT OF                       | MECHANICAL ENGR    | C       | Res  | 01/01/05<br>01/31/11 | THERMOELECTRIC CONVERSION OF WASTE HEAT TO ELECTRICITY IN AN IC ENGINE POWERED VEHICLE   |

20,495,717

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GIFT, GRANT AND CONTRACT REPORT

BOARD OF TRUSTEES

JUNE 2010

| <u>AMOUNT</u>   | <u>DONOR</u>   | <u>DIRECTOR</u>                          | <u>UNIT</u>         | <u>PURPOSE</u>    |  |
|---|----------------|--|---------------------|-------------------|--|
| <b>COLLEGE OF AGRICULTURE &amp; NATURAL RESOURCES</b> |                |  |                     |                   |  |
| 1   | \$28,325.00    | MICHIGAN DEPARTMENT OF NATURAL RESOURCES | LUPI, FRANK         | AGRIC ECONOMICS   | A STATEWIDE SURVEY OF MICHIGANS LICENSED ANGLERS   |
| 2   | \$15,000.00    | GREAT LAKES COMMISSION                   | Harrigan, Timothy   | BIOSYSTEMS AG EGR | STABILIZING NUTRIENT-RICH CROPLAND WITH COVER CROPS AND TARGETED ZONE-TILLAGE                |
| 3   | \$25,000.00    | COUNCIL FOR INTL EXCHANGE OF SCHOLARS    | Fear, Frank         | CARRS             | ENGAGING AN AMERICAN LAND GRANT UNIVERSITY IN THE RECONSTRUCTION OF IRAQ                     |
| 4   | \$25,329.00    | NCR-SARE                                 | Smalley, Susan      | CARRS             | HOOP HOUSE AND ORGANIC FARMING FOR AGRICULTURAL LENDERS                                      |
| 5   | \$50,000.00    | PRINCETON UNIV                           | LENSKI, RICHARD E   | CROP & SOIL SCI   | MICROSTATES TO MACRODYNAMICS: A NEW MATHEMATICS OF BIOLOGY                                   |
| 6   | \$35,000.00    | CORN MARKETING PROGRAM OF MICHIGAN       | Difonzo, Christina  | ENTOMOLOGY        | WESTERN BEAN CUTWORM BIOLOGY AND LIFE HISTORY UNDER GREAT LAKES CONDITIONS                   |
| 7   | \$21,500.00    | MICH SOYBEAN PROMOTION COMMITTEE         | Difonzo, Christina  | ENTOMOLOGY        | SOYBEAN APHID MANAGEMENT - THE NEXT STEP (YEAR 2)  |
| 8   | \$14,000.00    | NATL GRAPE COOPERATIVE ASSN              | Epstein, David      | ENTOMOLOGY        | INNOVATIVE FRUIT PLANTINGS   |
| 9   | \$1,943,070.00 | US DEPT AGRICULTURE                      | HOLLINGWORTH,ROBERT | ENTOMOLOGY        | INTERREGIONAL RESEARCH PROJECT NO. 4 MINOR CROP PEST MANAGEMENT FOR THE NORTH CENTRAL REGION |
| 10  | \$10,000.00    | USDA - AGRI RESEARCH SERV US DEPT AGR    | HOLLINGWORTH,ROBERT | ENTOMOLOGY        | WEED CONTROL FOR MINOR AND SPECIALTY CROPS   |
| 11  | \$42,500.00    | GEORGIA UNIVERSITY OF                    | HUANG, ZACHARY      | ENTOMOLOGY        | SUSTAINABLE SOLUTIONS TO PROBLEMS AFFECTING HEALTH OF MANAGED BEES                           |
| 12  | \$9,608.00     | US FISH & WILDLIFE SERVICE               | Landis, Douglas     | ENTOMOLOGY        | CELLULOSIC BIOFUEL CROPS AS A NEW SOURCE OF GRASSLAND MIGRATORY BIRD HABITAT IN THE MIDWEST  |
| 13  | \$379,273.00   | NATL INST OF HEALTH - NIH/PHS            | MERRITT, RICHARD W  | ENTOMOLOGY        | ECOLOGY OF MYCOBACTERIUM ULCERANS INFECTION: EVALUATING LANDSCAPE RELATIONSHIPS              |
| 14  | \$5,800.00     | PACIFIC BIOCONTROL CORP                  | Miller, James       | ENTOMOLOGY        | ANALYSIS OF RELEASE PROFILES FOR PHERMONE PRODUCTS   |

## GIFT, GRANT AND CONTRACT REPORT

## BOARD OF TRUSTEES

JUNE 2010

| <u>AMOUNT</u> | <u>DONOR</u> | <u>DIRECTOR</u>                          | <u>UNIT</u>                    | <u>PURPOSE</u>     |   |
|---------------|--------------|--|--------------------------------|--------------------|---|
| 15            | \$47,000.00  | USDA - AGRI RESEARCH SERV US DEPT AGR    | Szendrei, Zsafia               | ENTOMOLOGY         | UNDERSTANDING NEONICOTINOID INSECTICIDE RESISTANCE IN THE COLORADO POTATO BEETLE AND DEVELOPING MANAGEMENT STRATEGIES FOR RESISTANT BEETLES |
| 16            | \$253,871.00 | USDA - FOREST SERVICE                    | Ziegler, Amos                  | ENTOMOLOGY         | NATIONAL SLOW THE SPREAD OF THE GYPSY MOTH (STS) PROJECT: NORTHERN REGIONAL DATABASE NODE   |
| 17            | \$214,181.00 | NATL INST OF HEALTH - NIH/PHS            | LINZ, JOHN E                   | FD SC HUM NUTR ANR | ELIMINATION OF DIETARY AFLATOXIN TO PREVENT LIVER CANCER  |
| 18            | \$50,000.00  | KELLOGG W K COMPANY                      | Ng, Perry                      | FD SC HUM NUTR ANR | ASSESSMENT AND SELECTION OF WHEAT VARIETIES FOR BRAN CHARACTERISTICS-#71-2725   |
| 19            | \$87,805.00  | US DEPT AGRICULTURE                      | Pestka, James                  | FD SC HUM NUTR ANR | MECHANISMS AND BIOMARKERS FOR DEOXYNIVALENOL-INDUCED GROWTH RETARDATION   |
| 20            | \$150,000.00 | COLORADO STATE UNIV                      | Ryser, Elliot                  | FD SC HUM NUTR ANR | QUANTIFYING MICROBIAL RISKS DURING GROWTH OF PRODUCE  |
| 21            | \$83,500.00  | MICHIGAN DEPARTMENT OF NATURAL RESOURCES | Abdel-Kariem, Mohamm           | FISHERIES & WILDLF | DEVELOPMENT AND IMPLEMENTATION OF A FISH HEALTH INITIATIVE FOR MICHIGAN INLAND AND GREAT LAKES FISHERIES                                    |
| 22            | \$80,000.00  | US GEOLOGICAL SURVEY                     | ABDEL-KARIEEM, MOHAMMED FAISAL | FISHERIES & WILDLF | VIRAL HEMORRHAGIC SEPTICEMIA VIRUS IN THE GREAT LAKES   |
| 23            | \$17,156.00  | MICHIGAN DEPARTMENT OF NATURAL RESOURCES | Bence, James                   | FISHERIES & WILDLF | BENCE PERM SALARY AND FRINGE  |
| 24            | \$29,912.00  | MICHIGAN DEPARTMENT OF NATURAL RESOURCES | Bremigan, Mary                 | FISHERIES & WILDLF | BREMIGAN PERM SALARY AND FRINGE   |
| 25            | \$51,796.00  | GEO-MARINE, INC.                         | Bruggeman, Douglas             | FISHERIES & WILDLF | SUPPORT IN RED-COCKADED WOODPECKER BANKING/CREDITING PROJECT  |
| 26            | \$17,112.00  | MICHIGAN DEPARTMENT OF NATURAL RESOURCES | Hayes, Daniel                  | FISHERIES & WILDLF | HAYES PERM SALARY AND FRINGE  |
| 27            | \$74,927.16  | US FISH & WILDLIFE SERVICE               | Infante, Dana                  | FISHERIES & WILDLF | FISH AND WILDLIFE MANAGEMENT ASSISTANCE, AN INITIAL NATIONAL ASSESSMENT OF THE STATUS OF FISH HABITATS                                      |
| 28            | \$24,696.00  | MICHIGAN DEPARTMENT OF NATURAL RESOURCES | Infante, Dana                  | FISHERIES & WILDLF | INFANTE PERM SALARY AND FRINGE  |
| 29            | \$79,654.00  | GREAT LAKES FISHERY COMMISSION           | Li, Weiming                    | FISHERIES & WILDLF | INVESTIGATION OF MATING PHEROMONES IN LAMPREY SPECIES NATIVE TO THE GREAT LAKES   |

## GIFT, GRANT AND CONTRACT REPORT

## BOARD OF TRUSTEES

JUNE 2010

| <u>AMOUNT</u> | <u>DONOR</u> | <u>DIRECTOR</u>                  | <u>UNIT</u>          | <u>PURPOSE</u>     |  |
|---------------|--------------|----------------------------------|----------------------|--------------------|--|
| 30            | \$76,591.00  | GREAT LAKES FISHERY COMMISSION   | Li, Weiming          | FISHERIES & WILDLF | ISOLATION AND IDENTIFICATION OF ADDITIONAL PHEROMONES  |
| 31            | \$37,855.00  | NATL INST OF HEALTH - NIH/PHS    | LI, WEIMING          | FISHERIES & WILDLF | DEVELOPMENT OF RESOURCES TO ENABLE EXPLORATION OF THE LAMPREY TRANSCRIPTOME  |
| 32            | \$136,239.00 | NATL AERONAUTICS AND SPACE ADM   | LIU, JIANGUO         | FISHERIES & WILDLF | INTERACTIVE EFFECTS OF CONSERVATION AND DEVELOPMENT POLICIES ON LAND COVER AND PANDA HABITAT IN THE SICHUAN GIANT PANDA        |
| 33            | \$24,999.00  | NATL SCIENCE FOUNDATION          | Liu, Jianguo         | FISHERIES & WILDLF | COUPLED HUMAN AND NATURAL SYSTEMS RESEARCH NETWORK (CHANS-NET)   |
| 34            | \$54,404.70  | GREAT LAKES FISHERY COMMISSION   | Murphy, Cheryl       | FISHERIES & WILDLF | ESTIMATING THE SUBLETHAL EFFECTS OF LAMPREY PARASITISM ON LIPID ALLOCATION, REPRODUCTION AND POPULATION DYNAMICS OF LAKE TROUT |
| 35            | \$204,222.00 | COMMERCE US DEPT OF              | PEACOR, SCOTT DAVID  | FISHERIES & WILDLF | UNDERSTANDING MULTIPLE STRESSORS IN COASTAL ECOYSTEMS: ADVANCING ADAPTIVE MANAGEMENT IN SAGINAW BAY                            |
| 36            | \$12,876.60  | ILLINOIS UNIV OF -               | Rose, Joan           | FISHERIES & WILDLF | GENERAL RESEARCH/TESTING   |
| 37            | \$945,500.00 | ENVIRONMENTAL PROTECTION AGENCY  | ROSE, JOAN B         | FISHERIES & WILDLF | CENTER FOR ADVANCING MICROBIAL RISK ASSESSMENT   |
| 38            | \$201,074.50 | US DEPT AGRICULTURE              | Clay, Daniel         | INTNL AGRI INST    | PROPOSED COLLABORATION ON SPS CAPACITY BUILDING  |
| 39            | \$41,713.00  | USDA - FOREIGN AG SER            | Maredia, Karimbhai   | INTNL AGRI INST    | PROGRAM FOR HOSTING DR. NORMAN E. BORLAUG FELLOWS FROM POLAND AT MICHIGAN STATE UNIVERSITY                                     |
| 40            | \$57,523.00  | WASHINGTON STATE UNIVERSITY      | Almenar Rosaleny, Ev | PACKAGING          | A TOTAL SYSTEMS APPROACH TO SUSTAINABLE STEM-FREE SWEET CHERRY PRODUCTION, PROCESSING & MARKETING SYSTEM                       |
| 41            | \$10,000.00  | DEFENSE LOGISTICS AGENCY         | Rubino, Maria        | PACKAGING          | MEMBERSHIP IN CORANET III  |
| 42            | \$35,381.50  | BIMBO BAKERIES USA               | Selke, Susan         | PACKAGING          | OPTIONS FOR REDUCING THE ENVIRONMENTAL IMPACT OF PACKAGING FOR SLICED BREAD  |
| 43            | \$56,063.00  | COLORADO UNIVERSITY OF           | Korkmaz, Sinem       | PLAN,DSGN,CNST-ANR | INFLUENCE OF PROJECT DELIVERY METHOD ON ACHIEVING SUSTAINABLE, HIGH PERFORMANCE BUILDINGS                                      |
| 44            | \$15,000.00  | MICH SOYBEAN PROMOTION COMMITTEE | Chilvers, Martin     | PLANT PATHOLOGY    | MAPPING DISTRIBUTION OF SOYBEAN SUDDEN DEATH SYNDROME  |

GIFT, GRANT AND CONTRACT REPORT

BOARD OF TRUSTEES

JUNE 2010

| <u>AMOUNT</u>                      | <u>DONOR</u> | <u>DIRECTOR</u>                       | <u>UNIT</u>         | <u>PURPOSE</u>     |  |
|------------------------------------|--------------|---------------------------------------|---------------------|--------------------|--|
| 45                                 | \$170,000.00 | NATL SCIENCE FOUNDATION               | DAY, ROBERT BRADLEY | PLANT PATHOLOGY    | CAREER: UNDERSTANDING THE DYNAMIC STRUCTURAL AND SIGNALING MECHANISMS OF NDRI-DEPENDANT DISEASE              |
| 46                                 | \$18,900.00  | MICH SOYBEAN PROMOTION COMMITTEE      | Hao, Jianjun        | PLANT PATHOLOGY    | OPTIMIZING THE CONDITIONS FOR SOYBEAN WHITE MOLD CONTROL BY USING CULTURAL PRACTICES AND BIOLOGICAL CONTROL. |
| 47                                 | \$9,000.00   | MICH SOYBEAN PROMOTION COMMITTEE      | Hao, Jianjun        | PLANT PATHOLOGY    | FIELD APPLICATION OF CONTRANS TO CONTROL SOYBEAN WHITE MOLD IN MICHIGAN                                      |
| 48                                 | \$13,500.00  | SYNGENTA CROP PROTECTION INC          | Kirk, William       | PLANT PATHOLOGY    | MANAGEMENT OF SOIL, SEED AND FOLIAR DISEASES OF POTATO AND VEGETABLE CROPS IN MICHIGAN                       |
| 49                                 | \$10,000.00  | USDA - AGRI RESEARCH SERV US DEPT AGR | Kirk, William       | PLANT PATHOLOGY    | IDENTIFYING RESISTANCE TO COMMON SCAB AND IMPROVING DISEASE MANAGEMENT.                                      |
| 50                                 | \$8,270.00   | USDA - AGRI RESEARCH SERV US DEPT AGR | Kirk, William       | PLANT PATHOLOGY    | UNIFORM FUNGICIDE AND BIOCONTROL AGENT TESTES FOR CONTROL OF FUSARIUM HEAD BLIGHT AND DEOXYNIVALENOL         |
| 51                                 | \$8,000.00   | MICH SUGARBEET ADVANCEMENT            | Kirk, William       | PLANT PATHOLOGY    | FUNGICIDE SENSITIVITY ISSUES FOR HIGH IMPACT SUGAR BEET DISEASE CERCOSPORA LEAF SPOT                         |
| 52                                 | \$6,000.00   | SYNGENTA CROP PROTECTION INC          | Kirk, William       | PLANT PATHOLOGY    | MANAGEMENT OF SOIL, SEED AND FOLIAR DISEASES OF POTATO AND VEGETABLE CROPS IN MICHIGAN                       |
| 53                                 | \$21,229.00  | RUTGERS, THE STATE UNIVERSITY         | Schilder, Annemiek  | PLANT PATHOLOGY    | EVALUATING BIOPESTICIES FOR DISEASE CONTROL IN BLUEBERRIES   |
| 54                                 | \$18,594.00  | ORGANIC FARMING RESEARCH FOUNDATION   | Schilder, Annemiek  | PLANT PATHOLOGY    | OPTIMIZING MULCH AND FERTILIZER USE IN ORGANIC BLUEBERRIES   |
| 55                                 | \$16,627.00  | RUTGERS, THE STATE UNIVERSITY         | Schilder, Annemiek  | PLANT PATHOLOGY    | EVALUATING BIOPESTICIDES FOR MANAGEMENT OF BLACK ROOT ROT IN ESTABLISHED STRAWBERRY PLANTINGS.               |
| 56                                 | \$16,000.00  | VITICULTURE CONSORTIUM EAST           | Schilder, Annemiek  | PLANT PATHOLOGY    | VALIDATION OF PRIMARY INFECTION PREDICTION MODELS FOR POWDERY AND DOWNY MILDEW IN GRAPES IN MICHIGAN         |
| 57                                 | \$6,000.00   | BASF CORPORATION                      | Vargas, Joseph      | PLANT PATHOLOGY    | MANAGEMENT OF TURFGRASS DISEASES   |
| <b>COLLEGE OF ARTS AND LETTERS</b> |              |                                       |                     |                    |  |
| 58                                 | \$89,508.91  | NATL SECURITY AGENCY                  | Gass, Susan         | LINGUISTICS & LANG | STARTALK PROGRAM: TEACHING AND LEARNING ARABIC IN ACTION   |

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| <u>AMOUNT</u>                                     | <u>DONOR</u> | <u>DIRECTOR</u>                     | <u>UNIT</u>           | <u>PURPOSE</u>     |  |
|---|--------------|-------------------------------------|-----------------------|--------------------|--|
| 59  | \$62,587.00  | INST OF INTERNATL EDUCATION         | Prestel, David        | LINGUISTICS & LANG | FULBRIGHT FLTA SUMMER ORIENTATION PROGRAM  |
| 60  | \$25,000.00  | CHICAGO UNIVERSITY OF               | Pue, A                | LINGUISTICS & LANG | HINDI-URDU BLENDED TEACHING RESOURCES  |
| <b>COLLEGE OF COMMUNICATION ARTS AND SCIENCES</b> |              |                                     |                       |                    |  |
| 61  | \$513,000.00 | INGAGE NETWORKS                     | Whitten, Pamela       | TELECOM INF STD MD | MASTER COLLABORATION AGREEMENT FOR SOCIAL MEDIA SERVICES AND RESEARCH  |
| <b>COLLEGE OF EDUCATION</b>                       |              |                                     |                       |                    |  |
| 62  | \$136,387.00 | MI LABOR                            | EGIDIO, RHONDA K.     | CNS, ED PSY,SPC ED | E-LEARN  |
| 63  | \$13,901.91  | THE FORUM FOR YOUTH INVESTMENT      | Frank, Kenneth        | CNS, ED PSY,SPC ED | YOUTH PROGRAM INTERVENTION TRIAL/LO  |
| 64  | \$8,511.15   | THE FORUM FOR YOUTH INVESTMENT      | Frank, Kenneth        | CNS, ED PSY,SPC ED | YOUTH PROGRAM INTERVENTION TRIAL/FRANK   |
| 65  | \$372,268.00 | INSTITUTE OF EDUCATION SCIENCES     | Guarino, Cassandra    | CNS, ED PSY,SPC ED | CONSTRUCTING VALUE-ADDED INDICATORS OF TEACHER AND SCHOOL EFFECTIVENESS THAT WE CAN TRUST  |
| 66  | \$18,815.00  | AZERBAIJAN DIPLOMATIC ACADEMY       | Austin-Beck, Ann      | EDUC ADMIN         | PROFESSIONAL DEVELOPMENT WORKSHOP ON STUDENT AFFAIRS AT AZERBAIJAN DIPLOMATIC ACADEMY  |
| 67  | \$20,000.00  | WESTERN MICHIGAN UNIVERSITY         | Printy, Susan         | EDUC ADMIN         | WMU-WALLACE FOUNDATION PROJECT   |
| 68  | \$415,070.00 | MICH ASSOC OF SCHOOL ADMINISTRATORS | Markle, Barbara       | EDUCATION DEAN     | MICHIGAN PRINCIPALS FELLOWSHIP   |
| 69  | \$148,535.00 | OREGON STATE UNIVERSITY             | PFEIFFER, KARIN ALLOR | KINESIOLOGY        | LONGITUDINAL VALIDITY OF ACCELEROMETRY IN YOUTH  |
| 70  | \$224,366.20 | DEVOS DOUGLAS AND MARIA FOUNDATION  | FLODEN, ROBERT        | TCH/LRN LIFE SPAN  | PROPOSAL FOR THE EVALUATION OF THE GRAND RAPIDS PUBLIC SCHOOLS PARTNERSHIP WITH THE INSTITUTE FOR LEARNING   |
| 71  | \$40,000.00  | SPENCER FOUNDATION                  | Juzwik, Mary          | TEACHER EDUCATION  | HOW DO ENGLISH TEACHER CANDIDATES DEVELOP DIALOGIC TEACHING PRACTICES? A LONGITUDINAL STUDY OF VIDEO-BASED RESPONSE & REVISION ACROSS TIME AND SPACE |

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|-------------------------------|--------------|---|----------------------|-------------------|---|
| 72                            | \$58,338.00  | NATL SCIENCE FOUNDATION                                 | MCCRORY, RAVEN       | TEACHER EDUCATION | CAREER: KNOWLEDGE FOR TEACHING MATHEMATICS: THE IMPACT OF UNDERGRADUATE MATHEMATICS COURSES ON PROSPECTIVE ELEMENTARY |
| 73                            | \$43,915.00  | NORTHWESTERN UNIVERSITY                                 | SCHWARZ, CHRISTINA V | TEACHER EDUCATION | A LEARNING PROGRESSION FOR SCIENTIFIC MODELING  |
| 74                            | \$199,884.00 | NATL SCIENCE FOUNDATION                                 | Tatto, Maria         | TEACHER EDUCATION | SUPPLEMENT - FIRST INTERNATIONAL MATHEMATICS TEACHER EDUCATION STUDY (TEDS-M)   |
| <b>COLLEGE OF ENGINEERING</b> |              |   |                      |                   |   |
| 75                            | \$20,000.00  | MICHIGAN INITIATIVE FOR INNOVATION AND ENTREPRENEURSHIP | Berglund, Kris       | CEM EGR & MAT SCI | ARTISAN DISTILLER BUSINESS ACCELERATOR  |
| 76                            | \$15,000.00  | POET RESEARCH INC                                       | DALE, BRUCE E        | CEM EGR & MAT SCI | LIFE CYCLE ANALYSIS (LCA) OF CORN ETHANOL PRODUCTION  |
| 77                            | \$50,000.00  | PROCTER & GAMBLE CO                                     | Kolah, Aspi          | CEM EGR & MAT SCI | REACTIVE DISTILLATION FOR ORGANIC ACID CONVERSION   |
| 78                            | \$40,678.00  | TRENTON FUEL WORKS, LLC                                 | Kolah, Aspi          | CEM EGR & MAT SCI | LEVULINIC ACID ESTERIFICATION   |
| 79                            | \$123,526.55 | ZEELAND FARM SERVICES INC                               | NARAYAN, RAMANI      | CEM EGR & MAT SCI | VALUE-ADDED BIO-BASED INDUSTRIAL PRODUCTS AND CHEMICALS   |
| 80                            | \$50,000.00  | NORTHERN TECHNOLOGIES INTERNATIONAL                     | Narayan, Ramani      | CEM EGR & MAT SCI | BIOBASED COATINGS FOR CORROSION PROTECTION  |
| 81                            | \$20,000.00  | MICH SOYBEAN PROMOTION COMMITTEE                        | Narayan, Ramani      | CEM EGR & MAT SCI | STEEL-CORROSION INHIBITORS AND BIOCIDES AGAINST SULFATE REDUCING BACTERIA   |
| 82                            | \$52,911.00  | CORNELL UNIV  | Chatti, Karim        | CIVIL & ENVIR ENG | RELATIONSHIPS BETWEEN LABORATORY-MEASURED AND FIELD-DERIVED PROPERTIES OF PAVEMENT LAYERS                             |
| 83                            | \$120,000.00 | AIR FORCE OFFICE OF SCIENTIFIC RESEARCH                 | Hong, Jung-Wuk       | CIVIL & ENVIR ENG | COUPLING OF PERIDYNAMICS AND FINITE ELEMENT FORMULATION FOR MULTISCALE SIMULATIONS                                    |
| 84                            | \$107,518.60 | MI ENVIRONMENTAL QUALITY                                | Khire, Milind        | CIVIL & ENVIR ENG | STABILITY ASSESSMENT AND FIELD-SCALE MONITORING OF PVC SHEET PILE WALL  |
| 85                            | \$130,000.00 | CABOT CORPORATION                                       | Drzal, Lawrence      | COMP MATLS/STRUC  | NANOGRAPHITE PLATELET COMPOSITE RESEARCH  |

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|---------------|--------------|---|----------------------|------------------|--|
| 86            | \$12,000.00  | NATL SCIENCE FOUNDATION                 | Chai, Joyce          | COMP SCI & EGR   | II-NEW: TOWARDS AN INFRASTRUCTURE FOR RESEARCH ON MULTIMODAL LANGUAGE PROCESSING IN SITUATED HUMAN ROBOT DIALOGUE        |
| 87            | \$30,000.00  | NATL SCIENCE FOUNDATION                 | Dillon, Laura        | COMP SCI & EGR   | USING CONTRACTS TO SUPPORT DEVELOPMENT; VERIFICATION; AND MAINTENANCE OF MULTI-THREADED SYSTEMS                          |
| 88            | \$94,386.00  | AIR FORCE OFFICE OF SCIENTIFIC RESEARCH | Kulkarni, Sandeep    | COMP SCI & EGR   | AUTOMATED PROGRAM REVISION FOR EMBEDDED SYSTEMS  |
| 89            | \$80,000.00  | NATL SCIENCE FOUNDATION                 | OFRIA, CHARLES ART   | COMP SCI & EGR   | CAREER: DIGITAL EVOLUTION AND BIOCOMPLEXITY-FROM BIOLOGICAL THEORY TO COMPUTATIONAL APPLICATIONS                         |
| 90            | \$97,360.00  | NATL SCIENCE FOUNDATION                 | Tong, Yiyang         | COMP SCI & EGR   | CAREER: THEORY AND PRACTICE OF SPACE-TIME VARIATIONAL INTEGRATORS FOR SIMULATION AND ANIMATION                           |
| 91            | \$29,749.17  | FRAUNHOFER USA                          | Asmussen, Jes        | ELEC COMP ENGR   | FRAUNHOFER RESEARCH CENTER FOR COATING AND LASER APPLICATIONS  |
| 92            | \$190,026.00 | NATL INST OF HEALTH - NIH/PHS           | Biswas, Subir        | ELEC COMP ENGR   | IDENTIFYING PHYSICAL ACTIVITY AND ACTIVITY CONTEXT VIA WEARABLE WIRELESS NETWORKS  |
| 93            | \$42,985.00  | AIR FORCE RESEARCH LABORATORY           | Chahal, Prem         | ELEC COMP ENGR   | ADVANCED APERTURE RESEARCH, PART 2   |
| 94            | \$180,198.00 | MBI INTERNATL                           | Chakrabartty, Shanta | ELEC COMP ENGR   | TESTING AND EVALUATION OF MICRO-POWER FEATURE EXTRACTOR SYSTEM-ON-CHIP   |
| 95            | \$6,000.00   | NATL SCIENCE FOUNDATION                 | Chakrabartty, Shanta | ELEC COMP ENGR   | CAREER: INTEGRATED RESEARCH AND EDUCATION IN SELF-POWERED MICRO-SENSING FOR EMBEDDED AND IMPLANTABLE STRUCTURAL HEALTH M |
| 96            | \$120,000.00 | AIR FORCE OFFICE OF SCIENTIFIC RESEARCH | KEMPEL, LEO C        | ELEC COMP ENGR   | R F POLYMERS III   |
| 97            | \$49,864.00  | BOSTON APPLIED TECHNOLOGIES INC         | Udpa, Lalita         | ELEC COMP ENGR   | NOVEL WIRELESS NDE SENSORS FOR CONTINUOUS MONITORING OF THERMAL POWER PLANT COMPONENTS                                   |
| 98            | \$126,745.00 | MICHIGAN UNIVERSITY OF                  | WOLFF, THOMAS F      | ENGINEERING DEAN | LSAMP CO-OP AND INTERNSHIP PROGRAM   |
| 99            | \$10,000.00  | DIGITAL FLOW TECHNOLOGIES               | Foss, John           | MECHANICAL ENGR  | RESEARCH GIFT FOR TURBULENT SHEAR FLOW LAB   |
| 100           | \$46,413.00  | AIR FORCE OFFICE OF SCIENTIFIC RESEARCH | LEE, TONGHUN         | MECHANICAL ENGR  | LASER DIAGNOSTICS STUDY OF PLASMA ASSISTED COMBUSTION FOR SCRAMJET APPLICATIONS  |

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|----------------------------------|--------------|--|---------------------|---|
| 101                              | \$168,900.00 | VERDETURBO TECHNOLOGIES, INC.          | Mueller, Norbert    | MECHANICAL ENGR<br>POWER PLANT COMPRESSOR   |
| 102                              | \$34,500.00  | MICHIGAN AEROSPACE CORPORATION         | Naguib, Ahmed       | MECHANICAL ENGR<br>GROUND-BASED SENSOR ARRAY FOR WAKE VORTEX DETECTION  |
| 103                              | \$700,000.00 | ENERGY US DEPT OF                      | SCHOCK, HAROLD      | MECHANICAL ENGR<br>THERMOELECTRIC CONVERSION OF WASTE HEAT TO ELECTRICITY<br>IN AN IC ENGINE POWERED VEHICLE                                |
| 104                              | \$314,172.00 | ENERGY US DEPT OF                      | Zhu, Guoming        | MECHANICAL ENGR<br>HIGH EFFICIENCY CLEAN COMBUSTION FLEX FUEL OPTIMIZED<br>SI AND HCCI ENGINE   |
| <b>COLLEGE OF HUMAN MEDICINE</b> |              |  |                     |   |
| 105                              | \$337,747.00 | NATL INST OF HEALTH - NIH/PHS          | Kaguni, Laurie      | BIOCEM&MOLC BIO HM<br>MITOCHONDRIAL DNA REPLISOME: MECHANISM, STRUCTURE AND<br>PHYSIOLOGY   |
| 106                              | \$198,338.00 | NATL INST ON DRUG ABUSE -NIH/PHS       | ANTHONY, JAMES C    | EPIDEMIOLOGY<br>NIDA EPIDEMIOLOGY TRAINING PROGRAM: ICOHRTA   |
| 107                              | \$27,287.00  | ILLINOIS UNIV OF -                     | GARDINER, JOSEPH    | EPIDEMIOLOGY<br>HEALTH EFFECTS OF PCB EXPOSURE FROM CONTAMINTED FISH  |
| 108                              | \$90,920.00  | NATL INST OF HEALTH - NIH/PHS          | Paneth, Nigel       | EPIDEMIOLOGY<br>TRAINING PROGRAM IN PERINATAL EPIDEMIOLOGY  |
| 109                              | \$221,626.00 | NATL INST OF HEALTH - NIH/PHS          | Tomlinson, Thomas   | ETHICS & HUM CTR<br>ETHICS AND PUBLIC ATTITUDES CONCERNING THE USE OF<br>ARCHIVED BIOLOGICAL SAMPLES  |
| 110                              | \$151,200.00 | PRIORITY HEALTH                        | Malouin, Rebecca    | FAMILY MEDICINE<br>PATIENT-CENTERED MEDICAL HOME (PCMH) EXTERNAL<br>EVALUATION  |
| 111                              | \$9,165.00   | CINCINNATI UNIV OF                     | Sortwell, Caryl     | HUMAN MED DEAN<br>TIME COURSE OF TNFA EXPRESSION AND OXIDATIVE STRESS<br>AFTER INTRASTRIATAL 6-OHDA   |
| 112                              | \$18,800.00  | SANOFI-AVENTIS                         | AL-JANADI, ANAS     | MEDICINE<br>MULTICENTER RANDOMIZED DOUBLE BLIND STUDY COMPARING<br>THE EFFICACY AND SAFETY OF AFLIBERCEPT VERSUS PLACEBO<br>ADMINISTERED    |
| 113                              | \$5,200.00   | NATL SURGICAL ADJ BRST & BWL PROJ FDN  | CONLEY, BARBARA ANN | MEDICINE<br>PHASE III RANDOMIZED TRIAL FOR PATIENTS WITH HER2-<br>POSITIVE NODE POSITIVE/HIGH RISK NODE NEGATIVE BREAST<br>CANCER COMPARING |
| 114                              | \$72,000.00  | HEALTH RESOURCES & SERVICES ADMIN -PHS | FERENCHICK, GARY S  | MEDICINE<br>PREDOCTORAL TRAINING IN PRIMARY CARE  |

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|-----------------------------------|--------------|---|-------------------|--------------------|---|
| 115                               | \$132,932.00 | AGENCY FOR HEALTHCARE RSCH & QUAL -PHS  | Olomu, Adesuwa    | MEDICINE           | CLOSING THE RESEARCH-TO-PRACTICE GAP IN CARDIAC CARE OF MINORITY AND LOW INCOME POPULATIONS             |
| 116                               | \$55,000.00  | MI COMMUNITY HEALTH                     | Rosenman, Kenneth | MEDICINE           | LABORATORY SURVEILLANCE SYSTEM  |
| 117                               | \$53,308.00  | MI COMMUNITY HEALTH                     | Rosenman, Kenneth | MEDICINE           | STATE-WIDE ASTHMA MORTALITY REVIEW  |
| 118                               | \$6,000.00   | MICH FARM BUREAU                        | Rosenman, Kenneth | MEDICINE           | FATALITY ASSESSMENT AND CONTROL EVALUATION (FACE)   |
| 119                               | \$39,591.00  | SUSAN G. KOMEN BREAST CANCER FOUNDATION | Tamkus, Deimante  | MEDICINE           | SURVIVORSHIP OF CANCER PATIENTS   |
| 120                               | \$75,064.00  | NEW YORK STATE DEPARTMENT OF HEALTH     | Luke, Barbara     | OB GYN & REPR BIO  | INFERTILITY TREATMENT, CHILD GROWTH AND DEVELOPMENT THROUGH AGE THREE YEARS                             |
| 121                               | \$65,169.58  | OVARIAN CANCER RESEARCH FUND            | Risinger, John    | OB GYN & REPR BIO  | OBESITY AND CANCER  |
| 122                               | \$14,753.00  | NATL CHILDHOOD CANCER FOUNDATION        | Gera, Renuka      | PED AND HUM DEV    | CHILDREN'S ONCOLOGY GROUP (COG)   |
| 123                               | \$296,728.00 | NATL INST ON DRUG ABUSE -NIH/PHS        | Kaminski, Norbert | PHARM TOXICOL CHM  | THC IMPAIRMENT OF CD4/CD8 T CELL-MEDIATED HOST RESISTANCE TO HIV AND INFLUENZA                          |
| 124                               | \$39,996.00  | SUSAN G. KOMEN BREAST CANCER FOUNDATION | Basson, Marc      | SURGERY            | BREAST CARE FOR WOMEN OF MID-MICHIGAN   |
| <b>JAMES MADISON COLLEGE</b>      |              |   |                   |                    |   |
| 125                               | \$60,715.00  | ARIZONA STATE UNIVERSITY                | Kilinc, Ramazan   | JAMES MADISON DEAN | THE ROLE OF RELIGIOUS BELIEFS AND INSTITUTIONS IN GENEROSITY: CATHOLICISM AND ISLAM                     |
| <b>LYMAN BRIGGS COLLEGE</b>       |              |   |                   |                    |   |
| 126                               | \$78,242.00  | NATL AERONAUTICS AND SPACE ADM          | Oshea, Brian      | LYMAN BRIGGS DEAN  | THE ASTROPHYSICS OF GALAXY CLUSTERS: THE EFFECT OF NONTHERMAL BARYONIC PROCESSES ON CLUSTER OBSERVABLES |
| <b>COLLEGE OF NATURAL SCIENCE</b> |              |   |                   |                    |   |
| 127                               | \$275,881.00 | NATL INST OF HEALTH - NIH/PHS           | ARNOSTI, DAVID N  | BIOCEM&MOLC BIO NS | ANALYSIS OF THE COP9 SIGNALOSOME FOR RETINOBLASTOMA FUNCTION  |

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|---------------|--------------|-------------------------------|--------------------|--------------------|--|
| 128           | \$27,000.00  | NATL INST OF HEALTH - NIH/PHS | Kroos, Lee         | BIOCEM&MOLC BIO NS | MECHANISMS GOVERNING BACILLUS MOTHER CELL GENE EXPRESSION  |
| 129           | \$282,606.00 | NATL SCIENCE FOUNDATION       | Last, Robert       | BIOCEM&MOLC BIO NS | REU SITE: PLANT GENOMICS AT MICHIGAN STATE UNIVERSITY  |
| 130           | \$405,000.00 | NATL SCIENCE FOUNDATION       | Borhan, Babak      | CHEMISTRY          | CHIRAL HALENIUM IONS FOR ENANTIOSELECTIVE CHEMICAL PROCESSES   |
| 131           | \$75,301.00  | SPECTRAL ENERGIES, LLC        | Dantus, Marcos     | CHEMISTRY          | SPATIALLY AND TEMPORALLY RESOLVED TEMPERATURE AND SPECIES CONCENTRATION MEASUREMENTS IN HIGH-PRESSURE COMBUSTORS USING F   |
| 132           | \$20,000.00  | DREYFUS CAMILLE & HENRY FOUND | DYE, JAMES L       | CHEMISTRY          | THE NATURE OF ALKALI METALS IN SILICA GEL  |
| 133           | \$54,839.00  | AMES LABORATORY               | McGuffin, Victoria | CHEMISTRY          | COMPARISON OF GAS CHROMATOGRAPHY-MASS SPECTROMETRY AND LIQUID CHROMATOGRAPHY-MASS SPECTROMETRY FOR DISCRIMINATION OF SALVIA DIVINORUM FROM RELATED SALVIA SPECIES USING CHEMO METRIC |
| 134           | \$80,593.00  | OHIO STATE UNIVERSITY         | SWAIN, GREG M      | CHEMISTRY          | SCIENTIFIC UNDERSTANDING OF NON-CHROMATED CORROSION INHIBITOR FUNCTION   |
| 135           | \$80,593.00  | OHIO STATE UNIVERSITY         | SWAIN, GREG M      | CHEMISTRY          | SCIENTIFIC UNDERSTANDING OF NON-CHROMATED CORROSION INHIBITOR FUNCTION   |
| 136           | \$275,569.00 | NATL INST OF HEALTH - NIH/PHS | Tepe, Jetze        | CHEMISTRY          | INHIBITION OF INTERLEUKIN-6 PRODUCTION FOR THE TREATMENT OF MULTIPLE MYELOMA   |
| 137           | \$52,154.00  | NATL INST OF HEALTH - NIH/PHS | WELIKY, DAVID P    | CHEMISTRY          | RUTH L. KIRSCHSTEIN NATIONAL RESEARCH SERVICES AWARD (PHS 416-1)   |
| 138           | \$44,405.00  | KENTUCKY UNIV OF              | Xi, Zhiyong        | ENTOMOLOGY         | COMPARISON OF VECTOR COMPETENCE FOR THE DENGUE VIRUS INFECTION BETWEEN AE. POLYNESIENSIS, AE. RIVERSI AND THEIR HYBRID CP STRAIN   |
| 139           | \$143,320.00 | NATL SCIENCE FOUNDATION       | LIBARKIN, JULIE C  | GEOLOGICAL SCI     | COLLABORATIVE RESEARCH: EXPLORING THE EXPERT-NOVICE CONTINUM: BEHAVIORAL COGNITION IN GEOLOGY  |
| 140           | \$27,000.00  | NATL SCIENCE FOUNDATION       | Conner, Jeffrey    | KELLOGG BIO STAT   | GENETIC MECHANISM OF RAPID ADAPTIVE EVOLUTION IN AN OUT BRED NATURAL POPULATION  |
| 141           | \$14,000.00  | NATL SCIENCE FOUNDATION       | Conner, Jeffrey    | KELLOGG BIO STAT   | GENETIC MECHANISM OF RAPID ADAPTIVE EVOLUTION IN AN OUT BRED NATURAL POPULATION  |

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|---------------|--------------|---------------------------------------|----------------------|-------------------|---|
| 142           | \$88,676.00  | NATL SCIENCE FOUNDATION               | Lennon, Jay-Terrence | KELLOGG BIO STAT  | TERRESTRIAL CARBON SUPPLY TO AQUATIC ECOSYSTEMS:<br>EXPERIMENTAL TESTS OF THE SUBSIDY-STABILITY HYPOTHESIS  |
| 143           | \$10,070.00  | NATL SCIENCE FOUNDATION               | Litchman, Elena      | KELLOGG BIO STAT  | PHYTOPLANKTON TRAITS, FUNCTIONAL GROUPS AND COMMUNITY<br>ORGANIZATION: A SYNTHESIS                          |
| 144           | \$20,000.00  | NATL SCIENCE FOUNDATION               | Akbulut, Selman      | MATHEMATICS       | GOKOVA GEOMETRY/TOPOLOGY CONFERENCE   |
| 145           | \$900,000.00 | NATL SCIENCE FOUNDATION               | Bao, Gang            | MATHEMATICS       | FRG: COLLABORATIVE RESEARCH: MODELING, COMPUTATION,<br>AND ANALYSIS OF OPTICAL RESPONSES OF NANO STRUCTURES |
| 146           | \$118,905.36 | AIR FORCE RESEARCH LAB                | Christlieb, Andrew   | MATHEMATICS       | IPA ASSIGNMENT: ADAPTATION OF ADVANCED ALGORITHMS TO<br>PARTICLE SIMULATIONS OF PLASMAS                     |
| 147           | \$126,363.00 | NATL SCIENCE FOUNDATION               | VOLBERG, ALEXANDER   | MATHEMATICS       | COLLABORATIVE RESEARCH - BELLMAN FUNCTION; HARMONIC<br>ANALYSIS AND OPERATOR THEORY                         |
| 148           | \$180,000.00 | NATL SCIENCE FOUNDATION               | Breedlove, Stephen   | NEUROSCIENCE PR   | ANDROGEN RECEPTORS IN THE MEDIAL AMYGDALA   |
| 149           | \$327,974.00 | NATL INST OF HEALTH - NIH/PHS         | Jordan, Cynthia      | NEUROSCIENCE PR   | ANDROGEN TARGETS IN A SIMPLE BEHAVIORAL SYSTEM  |
| 150           | \$151,272.00 | NATL INST OF HEALTH - NIH/PHS         | SISK, CHERYL         | NEUROSCIENCE PR   | INTERDISCIPLINARY TRAINING PROGRAM IN NEUROSCIENCE  |
| 151           | \$45,000.00  | FRAXA RESEARCH FOUNDATION             | Wang, Hongbing       | NEUROSCIENCE PR   | MANIPULATING BASAL AND MGLUR-STIMULATED CAMP LEVEL IN<br>FXS MODEL MICE                                     |
| 152           | \$27,427.00  | NATL AERONAUTICS AND SPACE ADM        | Baldwin, Jack        | PHYSICS-ASTRONOMY | USING IUE TO DECODE GAS FLOWS AND ACCRETION PROCESSES<br>IN NEARBY QSOS                                     |
| 153           | \$353,000.00 | ENERGY US DEPT OF                     | BERZ, MARTIN M.      | PHYSICS-ASTRONOMY | ADVANCED MAP METHODS FOR THE DESCRIPTION OF PARTICLE<br>BEAM DYNAMICS                                       |
| 154           | \$810,000.00 | NATL SCIENCE FOUNDATION               | BROCK, RAYMOND L     | PHYSICS-ASTRONOMY | RESEARCH ELEMENTARY PARTICLE PHYSICS  |
| 155           | \$64,895.00  | SMITHSONIAN ASTROPHYSICAL OBSERVATORY | Brown, Edward        | PHYSICS-ASTRONOMY | CHARTING THE NEUTRON STAR CRUST WITH QUASI-PERSISTENT<br>TRANSIENTS   |
| 156           | \$200,000.00 | NATL SCIENCE FOUNDATION               | Chivukula, R         | PHYSICS-ASTRONOMY | QCD, ELECTROWEAK SYMMETRY BREAKING, AND PHYSICS BEYOND<br>THE STANDARD MODEL                                |

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|---------------------------|----------------|--|----------------------|--------------------|--|--|
| 157                       | \$42,266.00    | ARMY US DEPT OF                        | Dykman, Mark         | PHYSICS-ASTRONOMY  | UNDERSTANDING AND CONTROLLING FLUCTUATING MULTI-AGENT SYSTEM   |  |
| 158                       | \$240,000.00   | NATL SCIENCE FOUNDATION                | HUSTON, JOEY W       | PHYSICS-ASTRONOMY  | PARTICLE PHYSICS AT HIGH ENERGY COLLIDERS  |  |
| 159                       | \$16,761.00    | NATL SCIENCE FOUNDATION                | SMITH, HORACE A      | PHYSICS-ASTRONOMY  | PROBING HALO FORMATION WITH RR LYRAE STARS IN THE SDSS-II SUPERNOVA SURVEY   |  |
| 160                       | \$1,272,367.00 | NATL SCIENCE FOUNDATION                | BUELL, CAROL R       | PLANT BIOLOGY      | AN ANNOTATION RESOURCE FOR THE RICE GENOME   |  |
| 161                       | \$100,000.00   | ENERGY US DEPT OF                      | BUELL, CAROL R       | PLANT BIOLOGY      | COMPUTATIONAL RESOURCES FOR BIOFUEL FEEDSTOCK SPECIES  |  |
| 162                       | \$206,813.00   | NATL SCIENCE FOUNDATION                | OHLROGGE, JOHN B     | PLANT BIOLOGY      | THE ROLE OF GLYCEROL IN STRUCTURE AND BIOSYNTHESIS OF PLANT EXTRACELLULAR LIPID POLYMERS   |  |
| 163                       | \$31,085.00    | NATL INST OF HEALTH - NIH/PHS          | HE, SHENG YANG       | PLANT RSCH LAB NSC | ARABIDOPSIS BASAL INNATE IMMUNITY TO BACTERIAL INFECTION   |  |
| 164                       | \$265,972.00   | NATL SCIENCE FOUNDATION                | Maiti, Tapabrata     | STATISTICS & PROB  | COLLABORATIVE RESEARCH: STATISTICAL METHODS BASED ON PARAMETRIC AND SEMI PARAMETRIC HIERARCHICAL MODELS TO SOLVE PROBLEMS RELATED TO SOCIO-ECONOMIC-DEMOGRAPHIC DEPRIVATION MEASURES |  |
| 165                       | \$85,874.00    | NATL SECURITY AGENCY                   | Zeleke, Aklilu       | STATISTICS & PROB  | THE SUMMER UNDERGRADUATE RESEARCH INSTITUTE IN EXPERIMENTAL MATHEMATICS  |  |
| 166                       | \$90,001.00    | NATL SCIENCE FOUNDATION                | HOLEKAMP, KAY E.     | ZOOLOGY            | NSC  | LTREB: FITNESS CONSEQUENCES OF PLEIOTROPIC ANDROGEN EFFECTS IN FREE-LIVING MAMMALS |
| 167                       | \$483,959.00   | NATL SCIENCE FOUNDATION                | Miller, Kyle         | ZOOLOGY            | NSC  | THE ROLE OF FORCES IN AXONAL ELONGATION  |
| 168                       | \$120,592.00   | NATL SCIENCE FOUNDATION                | Shingleton, Alexande | ZOOLOGY            | NSC  | CAREER: SIZE MATTERS-THE REGULATION OF ALLOMETRY IN INSECTS                        |
| <b>COLLEGE OF NURSING</b> |                |  |                      |                    |  |  |
| 169                       | \$142,911.00   | NATL INST OF HEALTH - NIH/PHS          | Robbins, Lorraine    | COLLEGE OF NURSING | MIDDLE SCHOOL PHYSICAL ACTIVITY INTERVENTION FOR GIRLS   |  |
| 170                       | \$9,561.00     | HEALTH RESOURCES & SERVICES ADMIN -PHS | Talley, Henry        | COLLEGE OF NURSING | NURSE ANESTHETIST TRAINEESHIP  |  |

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|--|--------------|--|------------------------|--------------------|---|
| 171                                    | \$82,290.00  | BLUE CROSS BLUE SHIELD OF MICHIGAN FDTN. | Wehrwein, Teresa       | COLLEGE OF NURSING | PREPARING NURSES FOR ROLES IN PATIENT CENTERED MEDICAL HOMES: CASE MANAGEMENT AND QUALITY/SAFETY MANAGEMENT               |
| <b>COLLEGE OF OSTEOPATHIC MEDICINE</b> |              |  |                        |                    |   |
| 172                                    | \$144,500.00 | FOGARTY INTL CENTER -NIH/PHS             | VOICE, THOMAS          | INST INTL HEALTH   | TRAINING AND RESEARCH IN ENVIRONMENTAL HEALTH IN THE BALKANS  |
| 173                                    | \$367,405.00 | NATL INST OF ALLERGY &INFEC DIS -NIH/PHS | TAYLOR, TERRIE E       | INTERNAL MED OM    | CLINICOPATHOLOGICAL CORRELATES OF CEREBRAL MALARIA  |
| 174                                    | \$320,393.00 | NATL INST OF HEALTH - NIH/PHS            | ZHENG, YONG-HUI        | MICRO&MOLEC GEN OM | ACTIONS OF VIF AND APOBEC3 PROTEINS IN HIV-1 REPLICATION  |
| 175                                    | \$260,140.00 | NATL INST OF HEALTH - NIH/PHS            | BIRBECK, GRETCHEN LANE | NEUROLOGY & OPCOM  | EPILEPSY ASSOCIATED STIGMA IN ZAMBIA: EVIDENCE-BASED INTERVENTIONS AND OUTCOMES   |
| 176                                    | \$201,112.00 | NATL INST OF MENTAL HLTH -NIH/PHS        | Boivin, Michael        | NEUROLOGY & OPCOM  | NEUROPSYCHOLOGICAL BENEFIT OF COGNITIVE TRAINING WITH UGANDAN HIV CHILDREN  |
| 177                                    | \$29,683.00  | MINNESOTA UNIV OF                        | BOIVIN, MICHAEL J      | NEUROLOGY & OPCOM  | PATHOGENESIS OF COGNITIVE/NEUROLOGIC DEFICITS IN CENTRAL NERVOUS SYSTEM MALARIA   |
| 178                                    | \$290,200.00 | NATL INST NEURO & COMM DIS & STROKES     | Goudreau, John         | NEUROLOGY & OPCOM  | THE ROLE OF PARKIN IN SELECTIVE DOPAMINE NEURONAL DEGENERATION  |
| <b>COLLEGE OF SOCIAL SCIENCE</b>       |              |  |                        |                    |   |
| 179                                    | \$34,936.00  | MICHIGAN UNIVERSITY OF                   | Bynum, Timothy         | CRIMINAL JUSTICE   | DIRECTOR OF NATIONAL ARCHIVE OF CRIMINAL JUSTICE DATA   |
| 180                                    | \$25,043.00  | MICHIGAN UNIVERSITY OF                   | Bynum, Timothy         | CRIMINAL JUSTICE   | DIRECTOR OF THE NATIONAL ARCHIVE OF CRIMINAL JUSTICE DATA (NACJD)   |
| 181                                    | \$190,261.00 | MARYLAND UNIV OF                         | Chermak, Steven        | CRIMINAL JUSTICE   | STUDIES OF TERRORIST ORGANIZATIONS AND IDEOLOGIES: MODELS OF INFLUENCE AND NETWORK EFFECTS GLOBAL TERRORISM DATABASE (GT) |
| 182                                    | \$350,000.00 | CHARLES STEWART MOTT FOUNDATION          | Morash, Merry          | CRIMINAL JUSTICE   | FLINT'S 21ST CENTURY COMMUNITY POLICING FOOT PATROL PROJECT   |
| 183                                    | \$73,170.00  | USDA - FOREST SERVICE                    | Zhong, Shiyuan         | GEOGRAPHY          | IMPACT OF LAND COVER CHANGES ON THE CLIMATE SYSTEM, MODIFICATION 1  |

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|---------------|--------------|---------------------------------|-------------------------|-------------------|---|
| 184           | \$163,878.00 | MI COMMUNITY HEALTH             | Hembroff, Larry         | INST POL/SOC RSCH | MICHIGAN BEHAVIORAL RISK FACTOR SURVEY  |
| 185           | \$62,100.00  | ANHEUSER-BUSCH FOUNDATION       | Hembroff, Larry         | INST POL/SOC RSCH | TARGETING THE IMMEDIATE SOCIAL REALITY: IMPLEMENTING AND EVALUATING A MULTI-TIER SOCIAL NORMS CAMPAIGN.                   |
| 186           | \$12,948.00  | MI COMMUNITY HEALTH             | Hembroff, Larry         | INST POL/SOC RSCH | MICHIGAN BEHAVIORAL RISK FACTOR SURVEY  |
| 187           | \$10,000.00  | MI COMMUNITY HEALTH             | Hembroff, Larry         | INST POL/SOC RSCH | PRAMS--PREGNANCY RISK ASSESSMENT MONITORING SYSTEM  |
| 188           | \$7,856.00   | MI COMMUNITY HEALTH             | Hembroff, Larry         | INST POL/SOC RSCH | BRFS -- ASTHMA CALL-BACK SURVEY   |
| 189           | \$50,000.00  | MI COMMUNITY HEALTH             | Martini, Audrey         | OFF CAMPUS CR S S | MICHIGAN VICTIMS ASSISTANCE ACADEMY   |
| 190           | \$373,911.00 | JUSTICE US DEPT OF              | Campbell, Rebecca       | PSYCHOLOGY SSC    | IMPLEMENTATION OF A SEXUAL ASSAULT NURSE EXAMINER (SANE) PRACTITIONER EVALUATION TOOLKIT                                  |
| 191           | \$311,455.00 | MI COMMUNITY HEALTH             | Campbell, Rebecca       | PSYCHOLOGY SSC    | SEXUAL ASSAULT RESOURCE ANALYSIS (SARA) PROJECT   |
| 192           | \$163,449.00 | INGHAM COUNTY                   | Davidson, William       | PSYCHOLOGY SSC    | INGHAM COUNTY ADOLESCENT DIVERSION PROJECT  |
| 193           | \$127,500.00 | MI COMMUNITY HEALTH             | Foster-Fishman, Penn    | PSYCHOLOGY SSC    | LAUNCH EVALUATION   |
| 194           | \$21,099.00  | GEORGIA INSTITUTE OF TECHNOLOGY | Hambrick, David         | PSYCHOLOGY SSC    | UNDERSTANDING THE ROLE OF WORKING MEMORY CAPACITY IN COMPLEX TASK PERFORMANCE TO IMPROVE SAILOR AND MARINE SELECTION, CAL |
| 195           | \$28,000.00  | AUTISM SPEAKS                   | INGERSOLL, BROOKE RENEE | PSYCHOLOGY SSC    | A SIBLING IMPLEMENTED IMITATION INTERVENTION FOR YOUNG CHILDREN WITH AUTISM   |
| 196           | \$9,975.00   | U S DEPT OF VETERANS AFFAIRS    | McAuley, J              | PSYCHOLOGY SSC    | MOTIVATION AND CATEGORY LEARNING  |
| 197           | \$6,000.00   | NATL SCIENCE FOUNDATION         | WADE, JULI S.           | PSYCHOLOGY SSC    | NEUROENDOCRINE REGULATION OF BEHAVIORAL DIFFERENCES   |
| 198           | \$24,900.00  | MI DEPT OF HUMAN SERVICES       | Anderson, Gary          | SOCIAL WORK       | DHS TRAIN 10-99017  |

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|---|----------------|--------------------------------------|-----------------------|--------------------|---|
| 199   | \$38,000.00    | BETHANY CHRISTIAN SERVICES           | Freddolino, Paul      | SOCIAL WORK        | PROJECT RETURN HOME - EVALUATION CONTRACT WITH BETHANY CHRISTIAN SERVICES   |
| 200   | \$50,000.00    | HARTFORD JOHN A FDN                  | Woodward, Amanda      | SOCIAL WORK        | THE IMPACT OF MEDICARE PRESCRIPTION DRUG, IMPROVEMENT, AND MODERNIZATION ACT OF 2003 COST-CONTAINMENT PROVISIONS ON RACIAL AND GENDER DISPARITIES IN COST-RELATED MEDICATION NONADHERENCE |
| <b>COLLEGE OF VETERINARY MEDICINE</b>                 |                |                                      |                       |                    |   |
| 201   | \$720,000.00   | AMER CANCER SOCIETY                  | Bauer, Alison         | INTEG TOXICOLOGY   | THE ROLE OF TOLL LIKE RECEPTOR 4 IN MOUSE PULMONARY NEOPLASIA   |
| 202   | \$354,150.00   | NATL INST OF HEALTH - NIH/PHS        | Yang, Chengfeng       | INTEG TOXICOLOGY   | THE EPIGENETIC MECHANISM OF ARSENIC LUNG CARCINOGENESIS - ROLE OF MICRORNAS   |
| 203   | \$63,040.00    | GRAYSON-JOCKEY CLUB RESEARCH FDN INC | Holcombe, Susan       | LG ANML CLIN SCI   | ETHYL PYRUVATE AND END TOXEMIA IN HORSES  |
| 204   | \$683,663.00   | NATL INST OF HEALTH - NIH/PHS        | ATCHISON, WILLIAM D   | PHARM TOXICOL CVM  | NEUROTOXIC MECHANISM OF METHYLMERCURY POISONING   |
| 205   | \$270,278.00   | NATL INST OF HEALTH - NIH/PHS        | ROTH, ROBERT A        | PHARM TOXICOL CVM  | NEUTROPHILS AND HEPATOTOXICITY  |
| 206   | \$247,701.00   | WASHINGTON UNIV SCHOOL OF MEDICINE   | Mackenzie, Charles    | PTH & DIAG INVEST  | OPTIMIZATION OF CHEMOTHERAPY FOR CONTROL AND ELIMINATION OF ONCHOCERCIASIS AND LYMPHATIC FILARIASIS (DEATH TO ONCHO AND LF, THE "DOLF" PROJECT)   |
| 207   | \$233,792.00   | NATL INST OF HEALTH - NIH/PHS        | MOHANKUMAR, PULIYUR S | PTH & DIAG INVEST  | EFFECTS OF CHRONIC ESTROGEN ON TIDA NEURONS; ROLE OF CYTOKINES AND NO   |
| <b>VICE PROVOST LIBRARIES COMPUTING &amp;TECHNLGY</b> |                |                                      |                       |                    |   |
| 208   | \$251,075.00   | NATL HIST PUBLIC & RECORD COM        | Ghering, Cynthia      | UN ARCH & HIST COL | SPARTAN ARCHIVES AN ELECTRONIC RECORDS ARCHIVE AT MICHIGAN STATE UNIVERSITY   |
| <b>NAT'L SUPERCONDUCTING CYCLOTRON LABORATORY</b>     |                |                                      |                       |                    |   |
| 209   | \$190,000.00   | NATL SCIENCE FOUNDATION              | DANIELEWICZ, PAWEL    | NATL CYCLOTRON LAB | NUCLEAR REACTION THEORY   |
| 210   | \$3,280,782.00 | NATL SCIENCE FOUNDATION              | Morrissey, David      | NATL CYCLOTRON LAB | DEVELOPMENT OF A HIGH-PERFORMANCE GAS-FILLED CYCLOTRON STOPPER  |

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| <b>PROVOST-VICE PRES FOR ACADEMIC AFFAIRS</b>      |              |  |                      |                    |  |
| 211  | \$25,066.50  | FOREST LABORATORIES INC.                 | Henry, Jonathan      | CTSI               | A LONG-TERM, OPEN-LABEL EXTENSION STUDY OF F2695 SR IN ADULT PATIENTS WITH MAJOR DEPRESSIVE DISORDER LVM-MD-04                         |
| 212  | \$97,001.00  | UNIVERSITY HOSPITALS CASE MEDICAL CENTER | REED, PHILIP L       | CTSI               | RISK AND RESILIENCE FACTORS FOR COMBAT-RELATED POSTTRAUMATIC PSYCHOPATHOLOGY AND POST COMBAT ADJUSTMENT                                |
| <b>ASC PROV FOR UNIV OUTREACH &amp; ENGAGEMENT</b> |              |  |                      |                    |  |
| 213  | \$40,000.00  | NATL ENDOWMENT FOR THE ARTS              | Macdowell, Marsha    | MUSEUM -UOE        | 2010 GREAT LAKES FOLK FESTIVAL   |
| 214  | \$10,000.00  | MI ARTS & CULTURAL AFFAIRS               | Morgan, Gary         | MUSEUM -UOE        | MSU MUSEUM OPERATIONAL SUPPORT PROGRAM   |
| 215  | \$95,048.00  | COLORADO UNIVERSITY OF                   | FITZGERALD, HIRAM E  | UN OUTRCH ENG- ADM | BUILDING TEACHER CAPACITY THROUGH COLLABORATIVE RESEARCH WITH AMERICAN INDIAN HEAD START AND EARLY HEAD START PROGRAMS                 |
| <b>INTERNATIONAL STUDIES AND PROGRAMS</b>          |              |  |                      |                    |  |
| 216  | \$94,808.00  | EDUCATION U.S. DEPT OF                   | NGONYANI, DEOGRATIAS | AFR STD CTR        | INTENSIVE ADVANCED KISWAHILI GPA IN TANZANIA   |
| 217  | \$15,000.00  | US JAPAN FOUNDATION                      | LONDO, WILLIAM FRANK | ASIAN STD CTR      | 2009 MSU-SHIGA SUMMER ENVIRONMENTAL STUDIES PROGRAM  |
| <b>MICHIGAN AGRICULTURAL EXPERIMENT STATION</b>    |              |  |                      |                    |  |
| 218  | \$18,574.00  | MICHIGAN DEPARTMENT OF NATURAL RESOURCES | Lupi, Frank          | AGRIC ECON MAES    | LUPI PERM SALARY AND FRINGE  |
| 219  | \$200,000.00 | USDA - RURAL BUS COOP SER                | Peterson, H          | AGRIC ECON MAES    | ASSISTING MICHIGAN RURAL RESIDENTS WITH COOPERATIVE DEVELOPMENT  |
| 220  | \$304,808.00 | USDA-AGRICULTURAL RESEARCH SERVICE BARC  | Ernst, Catherine     | ANIMAL SCIENCE AES | IDENTIFYING PORCINE GENES AND GENE NETWORKS INVOLVED IN EFFECTIVE RESPONSE TO PRRS VIRUS USING FUNCTIONAL GENOMICS AND SYSTEMS BIOLOGY |
| 221  | \$280,290.00 | NATL INST OF HEALTH - NIH/PHS            | Knott, Jason         | ANIMAL SCIENCE AES | ROLE OF BRG1 IN EMBRYO DEVELOPMENT AND PLURIPOTENCY  |

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| 222           | \$81,417.00  | SCHERING PLOUGH ANIMAL HEALTH                     | Pursley, James   | ANIMAL SCIENCE AES | DEVELOPING AND TESTING A NOVEL REFERENCE GUIDE FOR VETERINARIANS TO PRESCRIBE OVSYNCH PROGRAMS BASED ON OVARIAN STATUS DETERMINED BY ULTRASONOGRAPHY |
| 223           | \$75,670.00  | DATE PALM RESEARCH CENTER, KING FAISAL UNIVERSITY | Dolan, Kirk      | BIOSYSTEMS AG ENGR | DATE X-RAY IRRADIATION TESTING AT MICHIGAN STATE UNIVERSITY-DPRC/KFU-MSU COLLABORATION   |
| 224           | \$10,000.00  | NATL SCIENCE FOUNDATION                           | Dolan, Kirk      | BIOSYSTEMS AG ENGR | STUDENT TRAVEL SUPPORT FOR 2010 INVERSE PROBLEMS SYMPOSIUM, JUNE 6-8, AT MICHIGAN STATE UNIVERSITY   |
| 225           | \$11,750.00  | SYNGENTA CROP PROTECTION INC                      | Everman, Wesley  | CROP & SOIL SC AES | SOYBEAN RESEARCH   |
| 226           | \$244,983.00 | KELLOGG W K FOUNDATION                            | Hamm, Michael    | CROP & SOIL SC AES | MICHIGAN GOOD FOOD CHARTER DEVELOPMENT AND SUMMIT  |
| 227           | \$65,724.00  | NORTH DAKOTA STATE UNIVERSITY                     | Kelly, James     | CROP & SOIL SC AES | COMMON BEAN COORDINATED AGRICULTURAL PROJECT   |
| 228           | \$17,900.00  | MICH SOYBEAN PROMOTION COMMITTEE                  | Penner, Donald   | CROP & SOIL SC AES | USE OF ADJUVANTS TO SOLVE PROBLEM INTERACTIONS IN DOUBLE STACKED HERBICIDE RESISTANT SOYBEAN   |
| 229           | \$202,360.00 | ELECTRIC POWER RESEARCH INSTITUTE                 | Robertson, G     | CROP & SOIL SC AES | DEVELOPING GHG EMISSIONS OFFSETS BY REDUCING NITROUS OXIDE (N2O) EMISSIONS IN AGRICULTURAL CROP PRODUCTION : PHASE 2                                 |
| 230           | \$24,800.00  | MICH SOYBEAN PROMOTION COMMITTEE                  | Sprague, Christy | CROP & SOIL SC AES | WEED CONTROL AND YIELD COMPARISONS IN NEW HERBICIDE-RESISTANT SOYBEAN VARIETIES [YEAR 2]   |
| 231           | \$15,000.00  | MICH SUGAR CO                                     | Sprague, Christy | CROP & SOIL SC AES | INFLUENCE OF WEED MANAGEMENT ON NITROGEN USE IN ROUNDUP READY SUGARBEET - YEAR 1   |
| 232           | \$15,000.00  | MONSANTO COMPANY                                  | Sprague, Christy | CROP & SOIL SC AES | SOYBEAN RESEARCH   |
| 233           | \$7,550.00   | SYNGENTA CROP PROTECTION INC                      | Sprague, Christy | CROP & SOIL SC AES | SOYBEAN RESEARCH   |
| 234           | \$5,200.00   | MICH SOYBEAN PROMOTION COMMITTEE                  | Sprague, Christy | CROP & SOIL SC AES | WEED CONTROL SYSTEMS IN NON-GMO SOYBEAN  |
| 235           | \$32,524.00  | CORN MARKETING PROGRAM OF MICHIGAN                | Thelen, Kurt     | CROP & SOIL SC AES | CONSOLIDATED BIOPROCESSING: A NEW USE FOR CORN AS A WHOLE-PLANT CELLULOSIC BIOENERGY FEEDSTOCK   |
| 236           | \$19,900.00  | MICH SOYBEAN PROMOTION COMMITTEE                  | Thelen, Kurt     | CROP & SOIL SC AES | FOLIAR MANGANESE RECOMMENDATIONS FOR MICHIGAN SOYBEANS ON CHRONICALLY MN DEFICIENT SOILS   |

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|---------------|--------------|--|-------------------|---|
| 237           | \$7,500.00   | WILBUR ELLIS COMPANY                     | Thelen, Kurt      | CROP & SOIL SC AES<br>GENERAL RESEARCH  |
| 238           | \$75,000.00  | MICH SOYBEAN PROMOTION COMMITTEE         | Wang, Dechun      | CROP & SOIL SC AES<br>SPECIALTY SOYBEAN BREEDING AND SOYBEAN GERMPLASM<br>ENHANCEMENT FOR MICHIGAN ENVIRONMENTS                                     |
| 239           | \$24,500.00  | MICH SOYBEAN PROMOTION COMMITTEE         | Wang, Dechun      | CROP & SOIL SC AES<br>IMPROVE MICHIGAN SOYBEAN FOR RUST RESISTANCE  |
| 240           | \$20,000.00  | MICH SOYBEAN PROMOTION COMMITTEE         | Wang, Dechun      | CROP & SOIL SC AES<br>INTROGRESSION OF APHID RESISTANCE FROM EXOTIC<br>GERMPLASM TO ELITE MICHIGAN SOYBEAN GERMPLASMS - PHASE 2                     |
| 241           | \$8,000.00   | MICH SOYBEAN PROMOTION COMMITTEE         | Wang, Dechun      | CROP & SOIL SC AES<br>EVALUATE EARLY MATURING SOYBEAN GERMPLASM FOR SDS<br>RESISTANCE   |
| 242           | \$28,900.00  | MICH SOYBEAN PROMOTION COMMITTEE         | BIRD, GEORGE W    | ENTOMOLOGY AES<br>PRACTICAL RESEARCH IN THE AREA OF SOYBEAN CYST<br>NEMATODE RESPONSIBLE FOR DECREASING PRODUCER PROFITS                            |
| 243           | \$236,192.00 | WISCONSIN MADISON UNIV OF                | WALKER, EDWARD D  | ENTOMOLOGY AES<br>WEST NILE VIRUS: ECO-EPIDEMIOLOGY OF DISEASE EMERGENCE<br>IN URBAN AREAS II   |
| 244           | \$21,000.00  | RUTGERS, THE STATE UNIVERSITY            | Wise, John        | ENTOMOLOGY AES<br>LAB EFFICACY AND FIELD RESIDUES OF ANTHRAQUINONE AS A<br>STARLING REPELLENT FOR BLUEBERRY PRODUCTION                              |
| 245           | \$29,526.00  | MICHIGAN DEPARTMENT OF NATURAL RESOURCES | Bremigan, Mary    | FISH & WILDLF AES<br>ASSESSING THE EFFECTS OF SPRING FISHING REGULATIONS ON<br>REPRODUCTIVE DYNAMICS AND POPULATION DEMOGRAPHICS OF<br>BLACK BASS I |
| 246           | \$17,110.00  | MICHIGAN DEPARTMENT OF NATURAL RESOURCES | Hayes, Daniel     | FISH & WILDLF AES<br>DESIGN, ANALYSIS AND IMPLEMENTATION OF AQUATIC<br>RESOURCE INVENTORY IN MICHIGAN   |
| 247           | \$41,348.00  | MICHIGAN DEPARTMENT OF NATURAL RESOURCES | Scribner, Kim     | FISH & WILDLF AES<br>LAKE STURGEON ACIPENSER FLAVESCENT POPULATION STATUS<br>IN THE CHEBOYGAN RIVER WATERSHED LAKES, MICHIGAN                       |
| 248           | \$34,556.00  | MICHIGAN DEPARTMENT OF NATURAL RESOURCES | Scribner, Kim     | FISH & WILDLF AES<br>SCRIBNER PERM SALARY AND FRINGE  |
| 249           | \$34,556.00  | MICHIGAN DEPARTMENT OF NATURAL RESOURCES | Scribner, Kim     | FISH & WILDLF AES<br>EFFECTS OF EXPLOITATION AND FISHERIES MANAGEMENT ON<br>GENETIC DIVERSITY OF FISH STOCKS IN INLAND AND GREAT<br>LAKES WATERS OF |
| 250           | \$40,930.00  | MICHIGAN FOREST RESOURCE ALLIANCE        | Keathley, Daniel  | FORESTRY AES<br>MSUE SUSTAINABLE FORESTRY EDUCATION PROGRAM   |
| 251           | \$39,070.00  | USDA - FOREST SERVICE                    | Andresen, Jeffrey | GEOGRAPHY<br>ANALYSIS AND ASSESSMENT OF THE CRITERIA FOR ISSUING AN<br>AIR STAGNATION ADVISORY  |

## GIFT, GRANT AND CONTRACT REPORT

## BOARD OF TRUSTEES

JUNE 2010

| <u>AMOUNT</u>                              | <u>DONOR</u>   | <u>DIRECTOR</u>                                   | <u>UNIT</u>       | <u>PURPOSE</u>     |  |
|--|----------------|---|-------------------|--------------------|--|
| 252  | \$1,126,552.00 | PURECIRCLE SDN.BHD                                | Warner, Ryan      | HORTICULTURE MAES  | DEVELOPING HIGH REBAUDIOSIDE A YIELDING CULTIVARS AND GENETIC TOOLS FOR MARKER -ASSISTED SELECTION TO IMPROVE STEVIA REBAUDIANA      |
| 253  | \$74,172.00    | GRAYSON-JOCKEY CLUB RESEARCH FDN INC              | Derksen, Frederik | LG AN CLIN SCI AES | MECHANISMS OF PULMONARY VEIN REMODELING IN EIPH  |
| 254  | \$7,000.00     | WEAVER POPCORN                                    | Singh, Sher       | PACKAGING AES      | DOUBLE STACK PALLET VIBRATION TESTING  |
| 255  | \$7,500.00     | NATL SCIENCE FOUNDATION                           | Lau, Jennifer     | PLANT BIOLOGY AES  | THE COMMUNITY CONTEXT OF GENOTYPE-BY-GENOTYPE INTERACTIONS: IMPLICATIONS FOR BIOLOGICAL INVASIONS                                    |
| 256  | \$13,000.00    | MICH ASPARAGUS RESEARCH INC                       | Hausbeck, Mary    | PLANT PATHOLOGY    | A MULTI-FACETED APPROACH FOR THE DETECTION AND MANAGEMENT OF PHYTOPHTHORA IN ASPARAGUS.  |
| 257  | \$9,000.00     | SEPRO CORP.                                       | Hausbeck, Mary    | PLANT PATHOLOGY    | DISEASES OF UPLAND AN MUCK VEGETABLE AND TRANSPLANTS, GREENHOUSE ORNAMENTALS AND THEIR CONTROL                                       |
| 258  | \$12,000.00    | BASF CORPORATION                                  | Sundin, George    | PLANT PATHOLOGY    | DISEASE OF TREEFRUIT CROPS AND THEIR CONTROL.  |
| 259  | \$45,492.00    | NATL INST OF ENVIRON HEALTH SCI -NIH/PHS          | Harkema, Jack     | PTH & DIAG INVEST  | BIOMIMETIC MICROSYSTEM FOR HIGH THROUGHPUT EVALUATION OF ENGINEERED NANOMATERIALS - HARKEMA SUPPLEMENT                               |
| <b>MICHIGAN STATE UNIVERSITY EXTENSION</b> |                |   |                   |                    |  |
| 260  | \$66,000.00    | ORCHARD SUPPLY HARDWARE                           | Mahoney, Edward   | CARRS MSUE         | ORCHARD SUPPLY HARDWARE  |
| 261  | \$180,000.00   | USDA - NATIONAL INSTITUTE OF FOOD AND AGRICULTURE | Ivan, David       | CENTRAL REGION     | MICHIGAN AGRABILITY PROJECT  |
| 262  | \$462,766.00   | MI COMMUNITY SERVICE COMMISSION                   | Kantrovich, Adam  | CENTRAL REGION     | JOURNEY 4-H: THE OUTDOOR CHALLENGE   |
| 263  | \$140,000.00   | USDA - AGRICULTURE U.S. DEPT. OF - ES             | Pace, Karen       | CYF 4H YOUTH       | PARTNERSHIPS FOR ACTIVISM AND SOCIAL JUSTICE: A COMMUNITY YOUTH DEVELOPMENT APPROACH TO LEADERSHIP FOR PERSONAL AND COMMUNITY CHANGE |
| 264  | \$149,868.33   | MICH 4-H FOUNDATION                               | Booth, Cheryl     | CYFC               | 4-H YOUTH DEVELOPMENT  |
| 265  | \$50,000.00    | KANSAS STATE UNIVERSITY                           | Smith, Sheila     | CYFC               | MICHIGAN OPERATION MILITARY KIDS CAMP INITIATIVE   |

## GIFT, GRANT AND CONTRACT REPORT

## BOARD OF TRUSTEES

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| <u>AMOUNT</u> | <u>DONOR</u> | <u>DIRECTOR</u>                          | <u>UNIT</u>       | <u>PURPOSE</u>   |
|---------------|--------------|--|-------------------|--|
| 266           | \$38,000.00  | WASHINGTON STATE UNIVERSITY              | Sirrine, J        | EXT NORTH REGION<br>PLANT BREEDING AND AGRONOMIC RESEARCH FOR ORGANIC HOP PRODUCTION SYSTEMS   |
| 267           | \$5,550.00   | CORN MARKETING PROGRAM OF MICHIGAN       | Birkey, Ned       | EXT SOUTHEAST REGN<br>CMPM ROW SPACING AND SOILS   |
| 268           | \$86,203.00  | MINNESOTA UNIV OF                        | Pavuk, Daniel     | EXT SOUTHEAST REGN<br>INTEGRATED APPROACHES TO ORGANIC SOYBEAN ARTHROPOD PEST MANAGEMENT IN OHIO                                       |
| 269           | \$58,000.00  | NCR-SARE                                 | Mutch, Dale       | EXT SOUTHWEST REGN<br>NCRSARE PDP MICHIGAN SUSTAINABLE AGRICULTURE PLAN OF WORK 2010   |
| 270           | \$100,000.00 | HEWLETT FOUNDATION - WILLIAM & FLORA     | Bourquin, Leslie  | FD SC HUM NUTR CES<br>GLOBAL FOOD KNOWLEDGE NETWORK PHASE II   |
| 271           | \$10,000.00  | FORESTS FOR THE FUTURE                   | Walters, Michael  | FORESTRY CES<br>DONATION FOR MICHAEL B. WALTERS ONGOING PROJECTS.  |
| 272           | \$15,000.00  | ROHM & HAAS COMPANY                      | Beaudry, Randolph | HORTICULTURE MSUE<br>UNRESTRICTED GIFT IN SUPPORT OF RESEARCH ON THE IMPACT OF SMARTFRESH ON PHYSIOLOGY OF STORED FRUIT.               |
| 273           | \$10,000.00  | MICH SUGAR CO                            | Beaudry, Randolph | HORTICULTURE MSUE<br>SUGAR BEET RESPIRATION AND STORAGE POTENTIAL 2010   |
| 274           | \$29,931.00  | NORTH CENTRAL INTEGRATED PEST MANAGEMENT | Lang, Gregory     | HORTICULTURE MSUE<br>GREAT LAKES FRUIT IPM WORKING GROUP   |
| 275           | \$20,000.00  | VALENT BIOSCIENCES CORP                  | Runkle, Erik      | HORTICULTURE MSUE<br>UNRESTRICTED GIFT IN SUPPORT OF FLORICULTURE RESEARCH   |
| 276           | \$22,500.00  | HORTICULTURAL RES INSTITUTE              | Schutzki, Robert  | HORTICULTURE MSUE<br>QUANTIFYING CARBON SEQUESTRATION IN WOODY AND HERBACEOUS PLANTS.  |
| 277           | \$12,000.00  | SYNGENTA CROP PROTECTION INC             | Zandstra, Bernard | HORTICULTURE MSUE<br>UNRESTRICTED GIFT IN SUPPORT OF RESEARCH  |
| 278           | \$233,092.00 | HOMELAND SECURITY US DEPT OF             | Lovejoy, Stephen  | MSUE DIR OFF<br>MICHIGAN WILDFIRE PREVENTION & MITIGATION PROJECT  |
| 279           | \$60,000.00  | MICHIGAN DEPARTMENT OF NATURAL RESOURCES | Klatt, Brian      | NAT FEATURES INVEN<br>SURVEY OF KNOWN NATURAL COMMUNITY ELEMENT OCCURRENCES ON STATE PARK AND RECREATION AREA LANDS                    |
| 280           | \$7,000.00   | MICH SUGARBEET ADVANCEMENT               | Warner, Frederick | PLANT PATHOLOGY<br>EVALUATION OF SAMPLING SCHEMES FOR DETECTION AND ASSESSMENT OF POPULATION DENSITIES OF THE SUGAR BEET CYST NEMATODE |

GIFT, GRANT AND CONTRACT REPORT

BOARD OF TRUSTEES

JUNE 2010

| <u>AMOUNT</u>                                     | <u>DONOR</u>    | <u>DIRECTOR</u>                         | <u>UNIT</u>          | <u>PURPOSE</u>    |  |
|---|-----------------|---|----------------------|-------------------|--|
| <b>VICE PRES RESEARCH AND GRADUATE STUDIES</b>    |                 |   |                      |                   |  |
| 281   | \$8,797,446.00  | BD OF REGENTS OF THE UNIV WISCONSIN SYS | Walton, Jonathan     | GLBRC-VPRGS       | GREAT LAKES BIOENERGY RESEARCH CENTER  |
| <b>VICE PRES FOR STUDENT AFFAIRS AND SERVICES</b> |                 |   |                      |                   |  |
| 282   | \$144,026.00    | MI COMMUNITY HEALTH                     | Collins-Eaglin, Jan  | COUNSELING CENTER | MSU SEXUAL ASSAULT PROGRAM   |
| <b>GRADUATE SCHOOL DEAN</b>                       |                 |   |                      |                   |  |
| 283   | \$110,487.19    | VAN ANDEL RESEARCH INSTITUTE            | KLOMPARENS, KAREN    | GRAD SCHOOL DEAN  | GRADUATE EDUCATION COLLABORATION   |
| 284   | \$9,758.03      | VAN ANDEL RESEARCH INSTITUTE            | KLOMPARENS, KAREN    | GRAD SCHOOL DEAN  | GRADUATE EDUCATION COLLABORATION   |
| <b>UNIVERSITY ADVANCEMENT</b>                     |                 |   |                      |                   |  |
| 285   | \$12,266,343.61 | VARIOUS DONORS                          | VARIOUS PROJ LEADERS | ASC VP UNIV DEVEL | VARIOUS DONORS TO UNIVERSITY DEVELOPMENT FOR JANUARY 2010 THRU MARCH 2010  |
| <b>V.P. FINANCE AND OPERATIONS AND TREASURER</b>  |                 |   |                      |                   |  |
| 286   | \$973,062.89    | VARIOUS DONORS                          | VARIOUS PROJ LEADERS | MSU FOUNDATION    | QUARTERLY GIFT / GRANT TRANSFERS   |
| <b>Various</b>                                    |                 |   |                      |                   |  |
| 287   | \$135,929.42    | VARIOUS                                 | Various              | Various           | 50 Consolidated grants with individual values less than \$5,000. Details on file in Contract & Grant Admin., Room 301 Admin. Bldg. |
| <u>\$60,271,309.86</u>                            |                 | <u>TOTAL JUNE 2010 BOARD</u>            |                      |                   |  |

CONSIGNMENT/NON-CASH GIFTS  
BOARD OF TRUSTEES  
JUNE 2010

| GIFT NO. | GIFT   | DONOR                                       | DEPARTMENT NAME                | ESTIMATED VALUE | PURPOSE OR USE   |
|----------|--|---|--------------------------------|-----------------|--|
| 1        | A single seat of software, technical support, software upgrades & annual training of the Romax Designer Version 12.6.2 | Romax Technology                            | Mechanical Engineering         | \$700,000.00    | Research and training  |
| 2        | Land parcel located at<br>4055 Broadmoor Ave. SE<br>Kentwood, MI 49512   | L. Douglas Gantos                           | Spartan Fund Athletics         | \$210,000.00    | Sell the land and use the funds towards Intercollegiate Athletics                        |
| 3        | Stainless steel freezer racks, boxes & dividers  | Custom Biogenic Systems<br>John G. Brothers | Pathobiology & Diagnostics     | \$ 54,064.55    | Research and storage   |
| 4        | Collectible Cookbooks  | Donna McDaniel                              | Libraries                      | \$9,858.00      | To be added to MSU Libraries' Cookery Collection   |
| 5        | Jens Plum (American, 1926-2002)<br>Purple Wall, 1973<br>Oil on linen, 54 x 48 inches<br>Gift of Nancy Plum, 2009.40    | Nancy Plum                                  | Kresge Art Museum              | \$8,500.00      | Donation to Kresge Art Museum  |
| 6        | 5 acre contract with National Grape Co-Op  | John Jaspers                                | Land Management                | \$5,000.00      | Allows MSU to market concord grapes which are primarily grown for experimental purposes. |
| 7        | Weber Baby Grand Piano, Model WG-51, Serial #G029726   | Jon E. Hagan                                | Community Music School Detroit | \$5,000.00      | Student, faculty & staff use at the Community Music School Detroit                       |
| 8        | 500 copies of the picture book<br>"Ceana has CP"   | Royal Blue Books<br>C. Fran Card            | Epidemiology                   | \$5,000.00      | To be offered as a gift to participants in research studies of cerebral palsy.           |
| 9        | "Abby" 19 year old equine  | Julie Agar                                  | Large Animal Clinical Sciences | \$5,000.00      | Dr. John Caron research  |

