

OFFICE OF RESEARCH ADMINISTRATION
Norman, Oklahoma

COMPARATIVE PROPOSAL SUBMISSION DATA
As of February 28, 2005

TOTAL PROPOSALS SUBMITTED - FEBRUARY, 2005	69	\$13,897,806.78
TOTAL PROPOSALS SUBMITTED, July 1, 2004 - February 28, 2005	472	\$160,554,296.47
TOTAL PROPOSALS SUBMITTED, July 1, 2003 - February 29, 2004	482	\$195,047,159.63
TOTAL PROPOSALS SUBMITTED, July 1, 2002 - February 28, 2003	561	\$253,034,429.75
TOTAL PROPOSALS SUBMITTED, July 1, 2001 - February 28, 2002	386	\$151,925,462.14
TOTAL PROPOSALS SUBMITTED, July 1, 2000 - February 28, 2001	465	\$271,858,931.66
TOTAL PROPOSALS SUBMITTED, July 1, 1999 - February 29, 2000	444	\$110,199,242.30
TOTAL PROPOSALS SUBMITTED, July 1, 1998 - February 28, 1999	384	\$135,449,208.76
TOTAL PROPOSALS SUBMITTED, July 1, 1997 - February 28, 1998	462	\$99,124,101.61
TOTAL PROPOSALS SUBMITTED, July 1, 1996 - February 28, 1997	454	\$78,128,337.93
TOTAL PROPOSALS SUBMITTED, July 1, 1995 - February 29, 1996	454	\$152,998,396.36

Report of Proposal Submissions by Department - Fiscal Year To Date - February, 2005

Administrative Affairs

<i>Center/Department</i>	PI's	CO's	Sub's	Requested
Public Safety	1	0	1	\$2,634,111.00
Area Total	<u>1</u>	<u>0</u>	<u>1</u>	<u>\$2,634,111.00</u>

Architecture

<i>Center/Department</i>	PI's	CO's	Sub's	Requested
Architecture	1	0	1	\$48,200.00
Architecture Dean's Office	1	0	1	\$58,120.00
Construction Science	1	0	1	\$66,498.00
Landscape Architecture	4	2	2	\$4,050.00
Regional and City Planning	1	0	1	\$10,017.00
Area Total	<u>8</u>	<u>2</u>	<u>6</u>	<u>\$186,885.00</u>

Arts and Sciences

<i>Center/Department</i>	PI's	CO's	Sub's	Requested
ACGT/Botany & Microbiology	5	0	5	\$2,477,778.50
ACGT/Chemistry & Biochemistry	6	3	3	\$1,220,482.00
Anthropology	15	7	8	\$6,230,308.80
Biological Station	6	0	6	\$2,012,213.50
Botany & Microbiology	15	2	13	\$2,887,524.58
CASR/Psychology	4	2	2	\$718,988.00
CSHOP/Industrial Eng.	1	1	0	\$459,994.50
CSHOP/Psychology	1	0	1	\$459,994.50
Chemistry & Biochemistry	38	7	31	\$8,001,810.81
Communication	2	1	1	\$1,466,511.00
Economics	2	1	1	\$61,912.80
Film & Video Studies	1	0	1	\$64,180.00
Health & Sport Sciences	7	3	4	\$298,709.00
History	1	0	1	\$500.00
History of Science	1	0	1	\$0.00
Human Relations	2	0	2	\$30,000.00
IPA/Institute for Public Affairs	1	0	1	\$19,871.00
Institute for Public Affairs	1	0	1	\$140,020.00
Library & Info. Studies	5	4	1	\$593,162.60
Mathematics	17	8	9	\$1,401,601.25
Modern Languages	1	0	1	\$93,028.20
Native American Studies	1	1	0	\$53,063.40
Ok. Archaeological Survey	4	0	4	\$600,271.00
Ok. Biological Survey	19	8	11	\$2,405,887.13
Physics & Astronomy	52	23	29	\$16,076,004.75
Political Science	9	1	8	\$724,912.02
Psychology	11	3	8	\$4,341,603.00
Social Work	7	1	6	\$1,076,638.00
Sociology	8	3	5	\$1,515,586.00
Zoology	27	14	13	\$4,658,144.15
Area Total	<u>270</u>	<u>93</u>	<u>177</u>	<u>\$60,090,700.48</u>

Arts and Sciences

Area Total	<u>270</u>	<u>93</u>	<u>177</u>	<u>\$60,090,700.48</u>
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Business Administration

<i>Center/Department</i>	PI's	CO's	Sub's	Requested
Accounting	1	1	0	\$57,377.10
Management Information Systems	1	0	1	\$5,000.00
Area Total	<u>2</u>	<u>1</u>	<u>1</u>	<u>\$62,377.10</u>

Education

<i>Center/Department</i>	PI's	CO's	Sub's	Requested
CECR/African & African-American Studies	1	1	0	\$31,200.00
CECR/Botany & Microbiology	1	1	0	\$105,000.00
CECR/Center for Educational and Community Renewal	2	2	0	\$210,000.00
CECR/Civil Eng. & Environmental Sci.	1	0	1	\$56,250.00
CECR/Computer Science	1	1	0	\$48,000.00
CECR/Educational Leadership & Policy Studies	4	2	2	\$992,330.09
CECR/Electrical & Computer Eng.	1	1	0	\$112,499.99
CECR/Energy Center Director's Office	1	1	0	\$56,250.00
CECR/Engineering Dean's Office	1	0	1	\$48,000.00
CECR/Geology & Geophysics	1	0	1	\$35,884.12
CECR/Industrial Eng.	2	2	0	\$160,499.99
CECR/Instructional Leadership & Academic Curriculum	3	2	1	\$1,484,554.00
CECR/Mathematics	1	1	0	\$48,000.00
CECR/Provost Office	1	1	0	\$58,547.78
CECR/Social Work	1	1	0	\$16,800.00
Education Dean's Office	1	0	1	\$144,977.00
Educational Leadership & Policy Studies	1	0	1	\$244,000.50
Educational Psychology	2	1	1	\$140,360.25
Instructional Leadership & Academic Curriculum	5	1	4	\$138,439.00
Zarrow Learning Enrichment Center	3	0	3	\$2,069,998.00
Area Total	<u>34</u>	<u>18</u>	<u>16</u>	<u>\$6,201,590.71</u>

Energy Center

<i>Center/Department</i>	PI's	CO's	Sub's	Requested
EC/Botany & Microbiology	20	12	8	\$2,061,105.71
EC/Energy Center Director's Office	10	8	2	\$480,047.78
EC/Energy Center Institute	4	3	1	\$504,965.35
EC/Geography	1	0	1	\$167,918.50
EC/Geology & Geophysics	1	1	0	\$37,274.34
EC/Petroleum & Geological Eng.	3	2	1	\$254,439.32
Energy Center Director's Office	13	13	0	\$838,077.67
Energy Center Institute	1	1	0	\$97,131.50
Energy Institute of the Americas	1	1	0	\$0.00
GeoSystems	2	0	2	\$309,048.00
PMI/Civil Eng. & Environmental Sci.	3	0	3	\$114,609.24
PMI/Energy Center Director's Office	3	3	0	\$111,238.38

Energy Center

<i>Center/Department</i>	PI's	CO's	Sub's	Requested
PMI/Petroleum & Geological Eng.	3	3	0	\$111,238.38
Area Total	<u>65</u>	<u>47</u>	<u>18</u>	<u>\$5,087,094.17</u>

Engineering

<i>Center/Department</i>	PI's	CO's	Sub's	Requested
Aerospace & Mechanical Eng.	36	13	23	\$5,514,426.45
CEO/Aerospace & Mechanical Eng.	1	0	1	\$113,732.00
CEO/Chemical, Biological & Materials Engineering	6	0	6	\$1,409,004.20
CSC/Aerospace & Mechanical Eng.	1	1	0	\$894,690.00
CSC/Civil Eng. & Environmental Sci.	1	1	0	\$298,230.00
CSC/Electrical & Computer Eng.	2	1	1	\$1,789,380.00
Chemical, Biological & Materials Engineering	29	6	23	\$4,093,037.86
Civil Eng. & Environmental Sci.	35	23	12	\$5,870,243.65
Computer Science	17	5	12	\$2,478,368.50
Electrical & Computer Eng.	46	20	26	\$15,421,438.66
Engineering Dean's Office	3	1	2	\$74,801.10
IOTA/Aerospace & Mechanical Eng.	1	0	1	\$81,031.00
IOTA/Civil Eng. & Environmental Sci.	1	1	0	\$149,114.90
IOTA/Computer Science	1	1	0	\$223,672.35
IOTA/Economics	1	1	0	\$74,557.45
IOTA/Engineering Dean's Office	3	1	2	\$332,652.86
IOTA/Industrial Eng.	2	2	0	\$342,964.27
IOTA/Regional and City Planning	2	2	0	\$492,079.17
Industrial Eng.	8	1	7	\$1,472,138.80
OBC/Aerospace & Mechanical Eng.	2	1	1	\$766,782.00
OBC/Chemical, Biological & Materials Engineering	25	8	17	\$7,828,274.65
OBC/Chemistry & Biochemistry	2	2	0	\$1,640,341.80
OBC/Electrical & Computer Eng.	10	5	5	\$6,183,353.80
OBC/Energy Center Director's Office	1	1	0	\$36,000.00
OBC/Energy Center Institute	1	1	0	\$12,150.00
OBC/Physics & Astronomy	1	1	0	\$170,396.00
OBC/Zoology	2	2	0	\$180,331.75
Petroleum & Geological Eng.	19	6	13	\$1,021,876.98
Area Total	<u>259</u>	<u>107</u>	<u>152</u>	<u>\$58,965,070.19</u>

Fine Arts

<i>Center/Department</i>	PI's	CO's	Sub's	Requested
Art	1	1	0	\$159,190.20
Dance	1	0	1	\$4,940.00
Music	5	0	5	\$63,236.00
Area Total	<u>7</u>	<u>1</u>	<u>6</u>	<u>\$227,366.20</u>

Geosciences

<i>Center/Department</i>	PI's	CO's	Sub's	Requested
C I M M S	1	1	0	\$119,205.00
CAPS/Center for the Analysis & Prediction of Storms	5	2	3	\$322,117.50
CAPS/Civil Eng. & Environmental Sci.	1	1	0	\$5,812.50
CIMMS/C I M M S	16	5	11	\$3,005,139.60
CIMMS/Center for Spatial Analysis	1	1	0	\$11,056.38
CIMMS/Center for the Analysis & Prediction of Storms	1	1	0	\$127,232.50
CIMMS/Geography	2	1	1	\$91,423.75
CIMMS/Geosciences Dean's Office	1	1	0	\$11,056.38
CIMMS/Information Technology	1	1	0	\$487,164.15
CIMMS/Meteorology	4	3	1	\$612,672.55
CIMMS/Ok. Climatological Survey	4	3	1	\$356,509.70
CIMMS/Science & Public Policy	1	1	0	\$69,311.00
CSA/Center for Spatial Analysis	6	6	0	\$311,577.56
CSA/Civil Eng. & Environmental Sci.	1	1	0	\$5,000.00
CSA/Energy Center Director's Office	2	2	0	\$103,959.25
CSA/Geography	9	5	4	\$510,556.82
CSA/Geosciences Dean's Office	5	5	0	\$204,827.06
CSA/Meteorology	2	1	1	\$1,387,493.80
Center for Spatial Analysis	4	4	0	\$459,544.26
Center for the Analysis & Prediction of Storms	1	1	0	\$62,770.00
EVAC/Energy Center Director's Office	1	1	0	\$50,000.00
EVAC/Geography	3	1	2	\$102,600.00
EVAC/Meteorology	1	0	1	\$52,100.00
Geography	13	7	6	\$1,173,064.12
Geology & Geophysics	16	4	12	\$1,534,640.00
Geosciences Dean's Office	4	4	0	\$459,544.26
Meteorology	26	14	12	\$7,074,416.25
NASA Space Grant	3	0	3	\$494,241.00
OCS/Electrical & Computer Eng.	2	2	0	\$78,362.60
OCS/Geosciences Dean's Office	1	1	0	\$39,181.30
OCS/Meteorology	4	4	0	\$69,385.80
OCS/Ok. Climatological Survey	18	7	11	\$1,871,392.30
Ok. Climatological Survey	2	1	1	\$209,190.20
Area Total	<u>162</u>	<u>92</u>	<u>70</u>	<u>\$21,472,547.60</u>

Graduate College

<i>Center/Department</i>	PI's	CO's	Sub's	Requested
Graduate College	2	1	1	\$859,904.00
Area Total	<u>2</u>	<u>1</u>	<u>1</u>	<u>\$859,904.00</u>

Journalism and Mass Communication

<i>Center/Department</i>	PI's	CO's	Sub's	Requested
Journalism & Mass Communication	13	9	4	\$329,982.89
Area Total	<u>13</u>	<u>9</u>	<u>4</u>	<u>\$329,982.89</u>

Law

<i>Center/Department</i>	PI's	CO's	Sub's	Requested
Law	1	1	0	\$0.00
Area Total	<u>1</u>	<u>1</u>	<u>0</u>	<u>\$0.00</u>

Liberal Studies

<i>Center/Department</i>	PI's	CO's	Sub's	Requested
Liberal Studies	1	0	1	\$96,000.00
Area Total	<u>1</u>	<u>0</u>	<u>1</u>	<u>\$96,000.00</u>

Oklahoma Geological Survey

<i>Center/Department</i>	PI's	CO's	Sub's	Requested
Ok. Geological Survey	2	1	1	\$75,000.00
Area Total	<u>2</u>	<u>1</u>	<u>1</u>	<u>\$75,000.00</u>

President

<i>Center/Department</i>	PI's	CO's	Sub's	Requested
President's Office	1	0	1	\$25,000.00
Area Total	<u>1</u>	<u>0</u>	<u>1</u>	<u>\$25,000.00</u>

Provost

<i>Center/Department</i>	PI's	CO's	Sub's	Requested
Instructional Development	2	2	0	\$151,997.50
International Programs	7	7	0	\$49,730.00
International and Area Studies	5	2	3	\$2,627,583.00
Museum of Art	1	0	1	\$15,000.00
Ok. Museum of Natural History	13	6	7	\$525,124.64
Provost Office	1	1	0	\$98,697.92
Area Total	<u>29</u>	<u>18</u>	<u>11</u>	<u>\$3,468,133.06</u>

Student Affairs

<i>Center/Department</i>	PI's	CO's	Sub's	Requested
Center for Student Life	2	0	2	\$86,367.00
Area Total	<u>2</u>	<u>0</u>	<u>2</u>	<u>\$86,367.00</u>

Vice Pres. for Information Technology

<i>Center/Department</i>	PI's	CO's	Sub's	Requested
Information Technology	3	2	1	\$173,928.70
Area Total	<u>3</u>	<u>2</u>	<u>1</u>	<u>\$173,928.70</u>

Vice President for Research

<i>Center/Department</i>	PI's	CO's	Sub's	Requested
Electron Microscopy Lab	2	2	0	\$414,674.37
IASR/Chemical, Biological & Materials Engineering	3	0	3	\$48,782.00
IASR/Civil Eng. & Environmental Sci.	3	3	0	\$48,782.00
Area Total	<u>8</u>	<u>5</u>	<u>3</u>	<u>\$512,238.37</u>
Total Proposals Submitted	<u>870</u>	<u>398</u>	<u>472</u>	<u>\$160,554,296.47</u>

Report of Proposal Submissions by Department - February, 2005

Architecture

<i>Center/Department</i>	PI's	CO's	Sub's	Requested
Architecture Dean's Office	1	0	1	\$58,120.00
Construction Science	1	0	1	\$66,498.00
Area Total	<u>2</u>	<u>0</u>	<u>2</u>	<u>\$124,618.00</u>

Arts and Sciences

<i>Center/Department</i>	PI's	CO's	Sub's	Requested
ACGT/Chemistry & Biochemistry	1	0	1	\$341,778.00
Botany & Microbiology	2	0	2	\$217,000.00
Chemistry & Biochemistry	12	2	10	\$1,971,105.00
Health & Sport Sciences	3	2	1	\$5,000.00
Human Relations	1	0	1	\$5,000.00
Physics & Astronomy	8	7	1	\$1,239,108.50
Political Science	3	0	3	\$25,840.78
Sociology	1	0	1	\$24,670.00
Zoology	3	2	1	\$154,866.25
Area Total	<u>34</u>	<u>13</u>	<u>21</u>	<u>\$3,984,368.53</u>

Education

<i>Center/Department</i>	PI's	CO's	Sub's	Requested
CECR/African & African-American Studies	1	1	0	\$31,200.00
CECR/Computer Science	1	1	0	\$48,000.00
CECR/Engineering Dean's Office	1	0	1	\$48,000.00
CECR/Industrial Eng.	1	1	0	\$48,000.00
CECR/Mathematics	1	1	0	\$48,000.00
CECR/Social Work	1	1	0	\$16,800.00
Area Total	<u>6</u>	<u>5</u>	<u>1</u>	<u>\$240,000.00</u>

Energy Center

<i>Center/Department</i>	PI's	CO's	Sub's	Requested
EC/Botany & Microbiology	5	3	2	\$319,151.80
EC/Energy Center Director's Office	2	2	0	\$77,470.20
Energy Center Director's Office	2	2	0	\$102,342.00
Area Total	<u>9</u>	<u>7</u>	<u>2</u>	<u>\$498,964.00</u>

Engineering

<i>Center/Department</i>	PI's	CO's	Sub's	Requested
Aerospace & Mechanical Eng.	11	4	7	\$808,189.95
CEO/Aerospace & Mechanical Eng.	1	0	1	\$113,732.00
CEO/Chemical, Biological & Materials Engineering	2	0	2	\$475,355.00
Chemical, Biological & Materials Engineering	6	1	5	\$1,011,821.30
Computer Science	1	0	1	\$13,503.00
Electrical & Computer Eng.	6	3	3	\$920,902.00
IOTA/Aerospace & Mechanical Eng.	1	0	1	\$81,031.00
IOTA/Engineering Dean's Office	1	1	0	\$81,031.00
OBC/Aerospace & Mechanical Eng.	2	1	1	\$766,782.00
OBC/Chemical, Biological & Materials Engineering	7	1	6	\$1,448,902.00
OBC/Electrical & Computer Eng.	6	3	3	\$1,218,464.00
OBC/Energy Center Institute	1	1	0	\$12,150.00
OBC/Physics & Astronomy	1	1	0	\$170,396.00
OBC/Zoology	1	1	0	\$85,198.00
Petroleum & Geological Eng.	1	0	1	\$26,327.00
Area Total	<u>48</u>	<u>17</u>	<u>31</u>	<u>\$7,233,784.25</u>

Fine Arts

<i>Center/Department</i>	PI's	CO's	Sub's	Requested
Dance	1	0	1	\$4,940.00
Music	3	0	3	\$15,500.00
Area Total	<u>4</u>	<u>0</u>	<u>4</u>	<u>\$20,440.00</u>

Geosciences

<i>Center/Department</i>	PI's	CO's	Sub's	Requested
CIMMS/C I M M S	4	2	2	\$908,725.00
CIMMS/Meteorology	2	1	1	\$383,476.80
CIMMS/Ok. Climatological Survey	1	1	0	\$173,662.20
CSA/Center for Spatial Analysis	1	1	0	\$6,250.00
CSA/Civil Eng. & Environmental Sci.	1	1	0	\$5,000.00
CSA/Energy Center Director's Office	1	1	0	\$20,000.00
CSA/Geography	2	1	1	\$87,500.00
CSA/Geosciences Dean's Office	1	1	0	\$6,250.00
Geography	1	0	1	\$12,000.00
OCS/Meteorology	1	1	0	\$8,259.30
OCS/Ok. Climatological Survey	3	1	2	\$91,888.70
Area Total	<u>18</u>	<u>11</u>	<u>7</u>	<u>\$1,703,012.00</u>

Provost

<i>Center/Department</i>	PI's	CO's	Sub's	Requested
International Programs	1	1	0	\$24,670.00
Ok. Museum of Natural History	1	0	1	\$5,000.00
Area Total	<u>2</u>	<u>1</u>	<u>1</u>	<u>\$29,670.00</u>

Vice Pres. for Information Technology

<i>Center/Department</i>	PI's	CO's	Sub's	Requested
Information Technology	1	1	0	\$62,950.00
Area Total	<u>1</u>	<u>1</u>	<u>0</u>	<u>\$62,950.00</u>
Total Proposals Submitted	<u>124</u>	<u>55</u>	<u>69</u>	<u>\$13,897,806.78</u>

UNIVERSITY OF OKLAHOMA

Office of Research Administration

PROPOSAL REPORT

<u>Proposal Submissions - February, 2005</u>	<u>Amount</u>
05S0461 Miguel Bagajewicz, Chemical, Biological & Materials Engineering CEO National Science Foundation August 15, 2005 - August 14, 2008 New Approaches to the Design and Retrofit of Sensor Networks for Accurate Estimation	\$277,008.00
05S0462 Brandon Olson, Aerospace & Mechanical Eng. National Science Foundation September 1, 2005 - August 31, 2006 Development of a Three Dimensional Scanning Thermal Property Measurement System	\$54,209.00
05S0463 Tamer Ibrahim, Electrical & Computer Eng. OBC U.S. Department of Defense, Congressionally Directed Medical Research Progs July 1, 2005 - June 30, 2006 Development of a Device for Simultaneous Detection and Localized Therapy of Breast Cancer	\$101,880.00
05S0464 Dimitrios Papavassiliou, Chemical, Biological & Materials Engineering Dimitrios Papavassiliou, Energy Center Director's Office National Science Foundation January 9, 2005 - March 8, 2008 Scalar Transport in Non-Homogeneous Turbulence	\$335,296.00
05S0465 Rong Gan, Aerospace & Mechanical Eng. State of Oklahoma, Center for the Advancement of Science and Technology July 1, 2005 - June 30, 2008 Middle Ear and Cochlea Mechanics in Otitis Media	\$135,000.00

Proposal Submissions - February, 2005

Amount

05S0466

Richard Mallinson, Chemical, Biological & Materials Engineering

\$433,797.00

Subramanya Gollahalli, Aerospace & Mechanical Eng.

Lance Lobban, Chemical, Biological & Materials Engineering

National Science Foundation

August 1, 2005 - July 31, 2008

Pathways for Chemical Conversion in Low Temperature Plasmas

05S0467

Miguel Bagajewicz, Chemical, Biological & Materials Engineering CEO

\$198,347.00

National Science Foundation

August 15, 2005 - August 14, 2007

Acoustic Separation Process

05S0468

Peter Mc Fetridge, Chemical, Biological & Materials Engineering OBC

\$135,000.00

State of Oklahoma, Center for the Advancement of Science and Technology

June 1, 2005 - July 31, 2005

Periodontal Tissue Repair Matrix: cellular interactions

05S0469

Peter Mc Fetridge, Chemical, Biological & Materials Engineering OBC

\$300,000.00

State of Oklahoma, Center for the Advancement of Science and Technology

June 1, 2005 - July 31, 2005

Periodontal Tissue Repair Matrix: cellular interactions

05S0470

Brian Grady, Chemical, Biological & Materials Engineering

\$247,606.00

National Science Foundation

August 1, 2005 - July 31, 2008

The Use of Surfactant-Mediated Synthesis to form Polymer Nanowires

05S0471

Tamer Ibrahim, Electrical & Computer Eng. OBC

\$135,000.00

Hong Liu, Electrical & Computer Eng. OBC

State of Oklahoma, Center for the Advancement of Science and Technology

June 1, 2005 - May 31, 2008

Novel 7T MRI for Accurate Detection/Localized Therapy

<u>Proposal Submissions - February, 2005</u>	<u>Amount</u>
05S0472 Tamer Ibrahim, Electrical & Computer Eng. OBC Hong Liu, Electrical & Computer Eng. OBC State of Oklahoma, Center for the Advancement of Science and Technology June 1, 2005 - May 31, 2008 Novel 7T MRI for Accurate Detection/Localized Therapy	\$300,000.00
05S0473 Matthias Nollert, Chemical, Biological & Materials Engineering OBC State of Oklahoma, Center for the Advancement of Science and Technology July 1, 2005 - June 30, 2008 Mechanism of Vitamin E Action on Platelet Function	\$135,000.00
05S0474 Matthias Nollert, Chemical, Biological & Materials Engineering OBC U.S. Department of Health and Human Services, National Institutes of Health July 1, 2005 - June 30, 2008 Mechanism of Vitamin E Action on Platelet Function	\$379,621.00
05S0476 Charles Rice, Chemistry & Biochemistry State of Oklahoma, Center for the Advancement of Science and Technology July 1, 2005 - August 1, 2008 NMR Investigation of Lipoteichoic Acid Absorption	\$300,000.00
05S0477 Charles Rice, Chemistry & Biochemistry State of Oklahoma, Center for the Advancement of Science and Technology July 1, 2005 - August 1, 2008 NMR Investigation of Lipoteichoic Acid Absorption	\$135,000.00
05S0478 Kenneth Nicholas, Chemistry & Biochemistry State of Oklahoma, Center for the Advancement of Science and Technology September 1, 2005 - August 31, 2008 Oxidation Activity of HRP-Copper Complexes	\$135,000.00

Proposal Submissions - February, 2005

Amount

05S0479

Alfred Striz, Aerospace & Mechanical Eng. CEO

\$113,732.00

Rong Gan, Aerospace & Mechanical Eng. CEO

State of Oklahoma, Center for the Advancement of Science and Technology

July 1, 2005 - June 30, 2008

Acoustic Optimization of Implantable Hearing Devices

05S0480

Robert Houser, Jr., Chemistry & Biochemistry

\$135,000.00

State of Oklahoma, Center for the Advancement of Science and Technology

August 15, 2005 - August 14, 2008

Development of Artificial Nucleases

05S0481

Richard Taylor, Chemistry & Biochemistry

\$135,000.00

State of Oklahoma, Center for the Advancement of Science and Technology

September 1, 2005 - August 31, 2008

Membrane Active Ligands Selective for Heavy Metal Ions

05S0482

Tyrrell Conway, Botany & Microbiology

\$135,000.00

State of Oklahoma, Center for the Advancement of Science and Technology

June 1, 2005 - May 31, 2008

Feast or Famine and Gastrointestinal Infection

05S0483

David Durica, Zoology

\$133,337.00

State of Oklahoma, Center for the Advancement of Science and Technology

July 1, 2005 - June 30, 2008

Hormonal Induction of Gene Expression in Crustacea

05S0484

Eugene Enrico, Music

\$6,000.00

Oklahoma Arts Council

August 15, 2005 - June 30, 2006

Accademia Filarmonica Concert Series 2005-2006

<u>Proposal Submissions - February, 2005</u>	<u>Amount</u>
05S0485 James Patterson, Architecture Dean's Office State of Oklahoma, Center for the Advancement of Science and Technology May 1, 2005 - August 31, 2005 Design Distribution for Skylight Energy Control System	\$58,120.00
05S0486 Vadym Soloshonok, Chemistry & Biochemistry U.S. Department of Health and Human Services, National Institutes of Health July 1, 2005 - June 30, 2009 Practical Asymmetric Synthesis of Alpha-Amino Acids	\$878,080.00
05S0487 Phillip Klebba, Chemistry & Biochemistry Salet Newton, Chemistry & Biochemistry State of Oklahoma, Center for the Advancement of Science and Technology July 1, 2005 - June 30, 2008 Iron Acquisition by Bacillus anthracis	\$135,000.00
05S0488 Bruce Roe, Chemistry & Biochemistry ACGT University of Kentucky Prime Agency is NSF July 1, 2005 - June 30, 2007 Genome of Epichloe festucae, a model endophyte of grasses	\$341,778.00
05S0489 Robert Rennaker, Aerospace & Mechanical Eng. David Miller, Aerospace & Mechanical Eng. Patrick Skubic, Physics & Astronomy Donald Wilson, Zoology Tamer Ibrahim, Electrical & Computer Eng. State of Oklahoma, Center for the Advancement of Science and Technology July 1, 2005 - August 1, 2008 Micro-Neural Interface	\$296,771.00
05S0490 Yunjun Xu, Aerospace & Mechanical Eng. Oak Ridge Associated Universities June 1, 2005 - August 31, 2005 "EFAT" Trajectory Control and Analysis for VTVL Reusable Launch Vehicles' Upper Stage	\$4,947.00

Proposal Submissions - February, 2005

Amount

05S0492

Robert Rennaker, Aerospace & Mechanical Eng. OBC

\$1,703,960.00

David Miller, Aerospace & Mechanical Eng. OBC

Patrick Skubic, Physics & Astronomy OBC

Donald Wilson, Zoology OBC

Tamer Ibrahim, Electrical & Computer Eng. OBC

U.S. Department of Health and Human Services, National Institutes of Health

July 1, 2005 - August 1, 2008

A Distributed Micro-Neural Interface for Small Animals

05S0493

Robert Rennaker, Aerospace & Mechanical Eng.

\$133,814.00

David Miller, Aerospace & Mechanical Eng.

Patrick Skubic, Physics & Astronomy

Donald Wilson, Zoology

Tamer Ibrahim, Electrical & Computer Eng.

State of Oklahoma, Center for the Advancement of Science and Technology

July 1, 2005 - August 1, 2008

Micro-Neural Interface

05S0494

Mohammed Atiquzzaman, Computer Science

\$13,503.00

Health Sciences Center

Prime Agency is FD-PH

July 1, 2005 - June 30, 2006

Automated Application for Evaluation of the Femoroacetabular Relationships from
Computed Tomography Data Sets

05S0495

Zhisheng Shi, Electrical & Computer Eng.

\$351,832.00

National Science Foundation

August 1, 2005 - July 31, 2008

NOVEL [110]-ORIENTATED LEAD SALT TUNABLE MID-IR DIODE

LASERS FOR CW HIGH TEMPERATURE OPERATION

05S0496

David Schmidtke, Chemical, Biological & Materials Engineering

\$135,000.00

Daniel Glatzhofer, Chemistry & Biochemistry

State of Oklahoma, Center for the Advancement of Science and Technology

June 1, 2005 - May 31, 2006

Development of Novel Redox Polymers for Biosensor Arrays

Proposal Submissions - February, 2005

Amount

05S0497

Michael Mc Inerney, Botany & Microbiology EC

\$156,930.00

Joseph Suflita, Botany & Microbiology EC

Joseph Suflita, Energy Center Director's Office EC

Irene Davidova, Botany & Microbiology EC

National Science Foundation

July 1, 2005 - June 30, 2007

Collaborative Research: Genome of the novel hydrocarbon-degrading syntroph and sulfate reducer strain ALDC

05S0498

Peter Mc Fetridge, Chemical, Biological & Materials Engineering OBC

\$376,431.00

U.S. Department of Health and Human Services, National Institutes of Health

October 1, 2005 - September 30, 2007

Bioengineering of the Human Umbilical Vein to develop tissue engineered blood vessels for vascular reconstructive surgery

05S0499

Kurt Gramoll, Aerospace & Mechanical Eng.

\$292,959.00

University of Tennessee

Prime Agency is NSF

July 1, 2005 - June 30, 2010

Transfer Facilitation for Engineering Students, Phase II

05S0502

Peter Lamb, C I M M S CIMMS

\$868,311.00

Renee Mc Pherson, Ok. Climatological Survey CIMMS

Don Bond, C I M M S CIMMS

U.S. Department of Energy

May 1, 2005 - April 30, 2007

Scientific Guidance, Research, and Educational Outreach for the ARM CART Southern Great Plains Locale (Years 1-2)

05S0503

Chan Hellman, Human Relations

\$5,000.00

Tulsa City County Library

Prime Agency is NP-AEF

September 1, 2005 - July 31, 2007

The Effects of Financial Literacy Training on Debt Management Knowledge and Behaviors

Proposal Submissions - February, 2005

Amount

05S0504

Tarek Rashed, Geography CSA

\$125,000.00

Mark Meo, Civil Eng. & Environmental Sci. CSA

Mark Meo, Energy Center Director's Office CSA

May Yuan, Geosciences Dean's Office CSA

May Yuan, Geography CSA

May Yuan, Center for Spatial Analysis CSA

National Science Foundation

September 1, 2005 - August 31, 2007

EXP-DRU: A New Approach to Assessing Community Vulnerability to Multiple Hazards in the Contemporary Urban Complex of American Cities

05S0505

Ian Palmer, Health & Sport Sciences

\$5,000.00

Michael Bemben, Health & Sport Sciences

Debra Bemben, Health & Sport Sciences

American College of Sports Medicine Foundation

July 1, 2005 - June 30, 2006

Effects of Resistance Training on Bone Metabolism in Older Men

05S0506

Paul Cook, Chemistry & Biochemistry

\$66,925.00

Oklahoma State University

Prime Agency is HHS-NIH

October 1, 2005 - September 30, 2010

Active Site Studies of Human Sulfotransferases

05S0509

Mary Outwater, Political Science

\$9,235.39

State of Oklahoma, Department of Commerce

January 31, 2005 - June 30, 2005

Labor Force Study of McAlester County

Proposal Submissions - February, 2005

Amount

05S0510

Teri Rhoads, Engineering Dean's Office CECR

\$240,000.00

Teri Murphy, Mathematics CECR

Deborah Trytten, Computer Science CECR

Susan Walden, Center for Educational and Community Renewal CECR

Randa Shehab, Industrial Eng. CECR

Jeanette Davidson, African & African-American Studies CECR

Jeanette Davidson, Social Work CECR

Purdue University

Prime Agency is NSF

September 1, 2005 - August 31, 2008

Modeling Student Success in Engineering: A Systematic Approach to Measuring
the Impact of Both Cognitive and Affective Indicators

05S0511

Dimitrios Papavassiliou, Chemical, Biological & Materials Engineering

\$5,844.00

Dimitrios Papavassiliou, Energy Center Director's Office

National Science Foundation

May 15, 2005 - August 15, 2005

Turbulent Transport in Wall Turbulence

05S0512

Robert Rundstrom, Geography

\$12,000.00

National Science Foundation

May 16, 2005 - May 31, 2006

Global Warming and the Cetaceousness of Human Identity Among the Inupiat in
Arctic Alaska

05S0513

Kurt Gramoll, Aerospace & Mechanical Eng.

\$83,932.00

Yunjun Xu, Aerospace & Mechanical Eng.

U.S. Department of Defense, Army

March 1, 2005 - February 28, 2006

Demilitarization Knowledge Management Application for Transitioning the
Ammunition Stockpile (Phase III: Process Maps and 3D Characterization)

05S0514

Mary Outwater, Political Science

\$7,370.00

Kansas City Consensus

February 7, 2004 - February 1, 2005

Iowa Library System Mail Survey

<u>Proposal Submissions - February, 2005</u>	<u>Amount</u>
05S0516 Vassilios Sikavitsas, Chemical, Biological & Materials Engineering OBC Dimitrios Papavassiliou, Chemical, Biological & Materials Engineering OBC Dimitrios Papavassiliou, Energy Center Institute OBC State of Oklahoma, Center for the Advancement of Science and Technology September 1, 2005 - August 31, 2008 Bone Tissue Engineering Bioreactor Design	\$135,000.00
05S0517 Wendy Gram, Ok. Museum of Natural History Norman Arts and Humanities Council July 1, 2005 - June 30, 2006 Dinosaur Daze at the Sam Noble Oklahoma Museum of Natural History	\$5,000.00
05S0518 Eugene Enrico, Music Norman Arts and Humanities Council August 15, 2005 - June 30, 2006 Accademia Filarmonica Concert Series 2005-2006	\$5,000.00
05S0519 Eldon Matlick, Music Norman Arts and Humanities Council March 1, 2005 - August 30, 2005 International Horn Competition of America	\$4,500.00
05S0520 Robert Mcwilliams, Dance Norman Arts and Humanities Council September 1, 2005 - May 30, 2006 Harnessing the Wind	\$4,940.00
05S0521 Donna Nelson, Chemistry & Biochemistry Kellogg Foundation June 1, 2005 - May 31, 2006 National Origin, Race, Gender, and Rank of Science and Engineering Faculty	\$26,100.00

Proposal Submissions - February, 2005

Amount

05S0523

Joseph Suflita, Botany & Microbiology EC

\$239,692.00

Joseph Suflita, Energy Center Director's Office EC

Irene Davidova, Botany & Microbiology EC

Oklahoma State University Water Resources Research Institute

May 1, 2005 - April 30, 2007

The Environmental Impact of Petroleum Production: The Role
of Microbial Hydrocarbon Decay at the Osage-Skiatook USGS Research Sites

05S0525

James Baldwin, Aerospace & Mechanical Eng. IOTA

\$162,062.00

Carl Hatlelid, Engineering Dean's Office IOTA

Oklahoma State University

Prime Agency is OK-REG

July 1, 2005 - June 30, 2007

Creating a Statewide Generic Research Agenda In support of Oklahoma's
Aerospace Industry

05S0527

Mary Outwater, Political Science

\$9,235.39

State of Oklahoma, Department of Commerce

March 7, 2005 - June 30, 2005

Southwest Oklahoma Labor Force Study

05S0528

Chris Fiebrich, Ok. Climatological Survey OCS

\$17,555.00

Renee Mc Pherson, Ok. Climatological Survey OCS

State of Oklahoma, Water Resources Board

March 8, 2005 - June 8, 2005

Oklahoma Water Resources Board (OWRB) Fitztown Tower Installation

05S0529

Jeff Basara, Ok. Climatological Survey OCS

\$82,593.00

Jeff Basara, Meteorology OCS

University of South Florida

Prime Agency is DOA-

October 1, 2005 - September 30, 2008

Real-Time Mapping of Soil Moisture Using WSR-88D, Neuro-fuzzy and GIS: An
Integrated Approach

Proposal Submissions - February, 2005

Amount

05S0530

Lance Leslie, Meteorology CIMMS

\$547,824.00

Michael Richman, Meteorology CIMMS

Charles Doswell, III, C I M M S CIMMS

National Science Foundation

October 1, 2005 - September 30, 2008

Detecting Synoptic-Scale Precursors of Tornado Outbreaks

05S0531

Thordur Runolfsson, Electrical & Computer Eng.

\$346,836.00

National Science Foundation

September 1, 2005 - August 31, 2008

Estimation of Model Parameter Distributions in Simulation Models: A Function
Analytic Approach

05S0532

Joseph Havlicek, Electrical & Computer Eng.

\$50,000.00

James Sluss, Jr, Electrical & Computer Eng.

State of Oklahoma, Highway Safety Office

Prime Agency is DOT-FHA

October 1, 2005 - September 30, 2006

SAFE-T: State-Wide Analysis for Enhancing Transportation

05S0533

Dean Oliver, Petroleum & Geological Eng.

\$26,327.00

University of Tulsa

March 1, 2005 - December 31, 2005

Graduate Student and travel support

05S0534

Loretta Bass, Sociology

\$49,340.00

Patsy Broadway, International Programs

Virginia Polytechnic Institute and State University

Prime Agency is OF-AID

April 1, 2005 - September 30, 2005

Regional Cooperation for Water Management - Rapid Assessment of Villagers in
Syria, Turkey, & Iraq

05S0536

Erik Rasmussen, C I M M S CIMMS

\$49,729.00

National Science Foundation

June 1, 2005 - May 31, 2006

COLLABORATIVE RESEARCH: Technology Testing and Integration Critical to
VORTEX2

Proposal Submissions - February, 2005

Amount

05S0537

Douglas Gransberg, Construction Science

Ergon Asphalt and Emulsions Inc.

March 15, 2005 - August 15, 2008

Evaluate Texas Department of Transportation Chip Seal Binder Performance Using Pavement Management Information System Data

\$66,498.00

05S0538

Michael Ashby, Chemistry & Biochemistry

Health Sciences Center

Prime Agency is HHS-NIH

June 1, 2005 - May 31, 2006

Inorganic Antimicrobials in Exocrine Fluids

\$25,000.00

05S0539

Patrick Skubic, Physics & Astronomy

Horst Severini, Physics & Astronomy

Henry Neeman, Information Technology

Michael Strauss, Physics & Astronomy

Braden Abbott, Physics & Astronomy

Chung Kao, Physics & Astronomy

Phillip Gutierrez, Physics & Astronomy

University of Texas, Arlington

Prime Agency is NSF

August 1, 2005 - July 31, 2010

Southwest Tier 2C Proposal for ATLAS

\$1,259,000.00

05S0540

Ralph Tanner, Botany & Microbiology

Oklahoma State University

Prime Agency is DOA-CRS

July 1, 2005 - June 30, 2007

Biomass-Based Energy Research

\$82,000.00

TOTAL PROPOSALS SUBMITTED

\$13,897,806.78

February, 2005