

## **SUMMARY OF EXTERNAL AWARDS for the period July 1, 2002 through June 30, 2003**

### *Annual Report from the Office of Research*

As one of the Nation's land grant universities, the University of Wyoming executes several missions: to educate its students, conduct research, and provide service and outreach. These missions are vitally interwoven at the University in a strong, vigorous, academic community which serves the State of Wyoming.

Outstanding basic and applied research and creative activity at the University promotes excellence in the classroom, and also can result in regional, national, and international recognition for the institution. This recognition enhances the value of every degree granted by the University of Wyoming. Consequently, superior research and scholarly activity is of direct benefit to the University, its students, and its alumni.

Through the activities of our students, our faculty, and our staff, the University of Wyoming is involved in a wide range of creative endeavors. Members of the University community are actively engaged in the creative and performing arts, and conduct basic and applied research in most of our disciplines. During fiscal year 2003, the University of Wyoming submitted 596 proposals to potential sources for funding to support these research and creative activities.

This report contains a summary of the external awards which were granted to the University during fiscal year 2003. From July 1, 2002 through June 30, 2003, the University received 871 new and continuing awards for funding from external sources totaling \$54,005,147. Table 1 summarizes these awards by college/unit within the University and Table 2 provides a summary by the source of the funds. Tables 3 through 10 summarize the funds awarded by sponsor for departments within the University. Research funding that was provided to departments through the UW Foundation is not included in these totals.

The largest portion of the total external funds granted to the University in FY2003 was received from the federal government. The various federal agencies awarded \$32,012,000 to the University for research and other activities. This continued federal support demonstrates a high degree of confidence in the quality of the University's research programs, and it speaks to the high caliber of our faculty and staff. Wyoming governmental agencies awarded \$13,250,000, and \$8,743,000 was granted to the University from industry and other private organizations.

Indirect costs at the University of Wyoming are calculated by federal audit which establishes the rate by which the University may recover funds to reimburse costs it incurs that relate to research activity sponsored by the federal government. The approved federal indirect cost rate for sponsored projects is 40.5% of modified total direct costs. Of the actual amount collected during the fiscal year, 75 percent reimburses general University expenses, 15 percent is distributed to the Department, five percent to the relevant College, and five percent is allocated to the Office of Research. The dollar amount of the indirect costs collected during FY2003 and returned to each of the colleges on this basis is shown in Table 11.

Total contracts and grants awarded to the University of Wyoming during FY2003 represents a record amount of external funding for the seventeenth consecutive year. The graph on page 13 shows the steady increase in total contracts and grants each fiscal year from FY86 through FY2003.

**TABLE 1**  
**TOTAL SPONSORED AWARDS BY COLLEGE/UNIT**  
for the period July 1, 2002 through June 30, 2003

| <b>College</b>   | <b>Sponsored Project Awards</b> | <b>Percent of Total</b> |
|--|---------------------------------|-------------------------|
| Agriculture  | 8,192,998                       | 15.2                    |
| Arts & Sciences  | 12,429,253                      | 23.0                    |
| Business   | 846,937                         | 1.6                     |
| Education  | 2,035,414                       | 3.8                     |
| Engineering  | 6,171,588                       | 11.4                    |
| Health Sciences  | 7,636,920                       | 14.1                    |
| Law  | 0                               | 0                       |
| NON-COLLEGE  |                                 |                         |
| Student Affairs: SEO, Student Financial Aids,<br>Admissions & Student Life   | 10,079,246                      | 18.7                    |
| Other: American Heritage, Art Museum, CTE, IENR,<br>International Programs, Library, MAMTC, Research<br>Products Center, SBDC, TransPark, VP Research,<br>WYGIS, WYNDD, Wyo Public Radio | 6,612,791                       | 12.2                    |
| <b>TOTAL</b>   | <b>54,005,147</b>               | <b>100</b>              |

**TABLE 2**  
**DISTRIBUTION OF AWARDS BY SPONSOR**  
for the period July 1, 2002 through June 30, 2003  
(the number of departments within the college involved with the sponsor is shown in parentheses after the amount)  
(numbers below represent thousands of dollars)

| Agency  | Agriculture  | Arts & Sciences | Business   | Education    | Engineering  | Health Sciences | Law      | Other         | Total         |
|---|--------------|-----------------|------------|--------------|--------------|-----------------|----------|---------------|---------------|
| Agriculture                                     | 1,079 (7)    | 134 (3)         | 33 (1)     |              |              | 47 (1)          |          | 86 (2)        | 1,379 (14)    |
| Air Force                                       | 51 (4)       | 116 (1)         |            |              |              |                 |          | 163 (2)       | 330 (7)       |
| Army  | 361 (2)      | 102 (1)         |            |              | 238 (1)      |                 |          | 228 (2)       | 929 (6)       |
| Commerce  |              |                 | 40 (1)     |              |              |                 |          | 40 (1)        | 80 (2)        |
| Defense   |              | 237 (1)         |            |              |              |                 |          | 233 (1)       | 470 (2)       |
| Education                                       | 27 (1)       |                 |            |              |              | 569 (1)         |          | 9,488 (2)     | 10,084 (4)    |
| Energy (includes WRI)                           | 45 (1)       | 208 (4)         |            |              | 173 (2)      |                 |          |               | 426 (7)       |
| Environmental Protection Agency                 |              | 338 (1)         | 163 (1)    |              |              |                 |          |               | 501 (2)       |
| Health and Human Services                       | 1,338 (3)    | 2,801 (3)       |            |              | 64 (1)       | 2,973 (5)       |          |               | 7,176 (11)    |
| Interior  | 54 (2)       | 524 (6)         | 13 (1)     | 6 (1)        | 33 (1)       |                 |          | 899 (5)       | 1,529 (16)    |
| Justice   |              | 201 (2)         |            |              |              | 100 (1)         |          | 101 (1)       | 402 (3)       |
| National Aeronautics and Space Administration   |              | 1,068 (1)       |            |              | 402 (2)      |                 |          |               | 1,470 (3)     |
| National Endowments for the Humanities and Arts |              |                 |            |              |              |                 |          | 25 (1)        | 25 (1)        |
| National Science Foundation                     | 237 (1)      | 2,495 (7)       | 54 (1)     | 411 (2)      | 2,214 (7)    |                 |          | 1,120 (2)     | 6,531 (20)    |
| Navy  |              |                 |            |              | 97 (1)       |                 |          |               | 97 (1)        |
| Small Business Administration                   |              |                 |            |              |              |                 |          | 547 (1)       | 547 (1)       |
| Veterans Affairs                                |              |                 |            |              |              | 36 (1)          |          |               | 36 (1)        |
| Wyoming Governmental Entities                   | 2,547 (9)    | 1,695 (11)      | 293 (2)    | 1,471 (5)    | 1,175 (3)    | 3,322 (7)       |          | 2,747 (14)    | 13,250 (51)   |
| Industry  | 425 (5)      | 1,220 (5)       |            | 5 (1)        | 877 (6)      | 36 (3)          |          | 345 (5)       | 2,908 (25)    |
| Other   | 2,030 (9)    | 1,290 (15)      | 250 (1)    | 143 (2)      | 899 (4)      | 554 (8)         |          | 669 (11)      | 5,835 (50)    |
| <b>TOTAL</b>                                    | <b>8,194</b> | <b>12,429</b>   | <b>846</b> | <b>2,036</b> | <b>6,172</b> | <b>7,637</b>    | <b>0</b> | <b>16,691</b> | <b>54,005</b> |

**TABLE 3**  
**AWARDS BY SPONSOR**  
**COLLEGE OF AGRICULTURE**  
for the period July 1, 2002 through June 30, 2003

**TOTAL: \$8,192,998**  
**NUMBER OF AWARDS: 170**  
*(numbers below represent thousands of dollars)*

| Agency                        | Agricultural and Applied Economics | Animal Science | Agricultural Experiment Station | Cooperative Extension | Dean's Office | Family & Consumer Sciences | Molecular Biology | Plant Sciences | Renewable Resources | Veterinary Sciences |
|-------------------------------|------------------------------------|----------------|---------------------------------|-----------------------|---------------|----------------------------|-------------------|----------------|---------------------|---------------------|
| Agriculture                   | 108                                | 422            |                                 |                       | 60            | 47                         | 50                |                | 145                 | 248                 |
| Air Force                     |                                    |                |                                 | 23                    |               |                            | 5                 | 23             | 1                   |                     |
| Army                          |                                    | 31             |                                 |                       |               |                            | 330               |                |                     |                     |
| Education                     |                                    |                |                                 |                       |               | 27                         |                   |                |                     |                     |
| Energy                        |                                    |                |                                 |                       |               |                            |                   |                | 45                  |                     |
| Health and Human Services     |                                    | 251            |                                 |                       |               | 50                         | 1,037             |                |                     |                     |
| Interior                      |                                    |                |                                 |                       |               |                            |                   | 16             | 37                  |                     |
| National Science Foundation   |                                    |                |                                 |                       |               |                            | 237               |                |                     |                     |
| Wyoming Governmental Entities | 91                                 | 80             | 269                             | 31                    | 2             | 1,299                      |                   | 273            | 468                 | 33                  |
| Industry                      | 13                                 |                |                                 |                       |               |                            | 38                | 224            | 8                   |                     |
| Other                         | 130                                | 190            | 108                             | 2                     | 2             |                            | 876               | 74             | 456                 | 333                 |
| <b>TOTAL</b>                  | <b>342</b>                         | <b>974</b>     | <b>377</b>                      | <b>56</b>             | <b>64</b>     | <b>1,423</b>               | <b>2,573</b>      | <b>610</b>     | <b>1,160</b>        | <b>614</b>          |

**TABLE 4**  
**AWARDS BY SPONSOR**  
**COLLEGE OF ARTS & SCIENCES**  
for the period July 1, 2002 through June 30, 2003

**TOTAL: \$12,429,253**  
**NUMBER OF AWARDS: 279**  
*(numbers below represent thousands of dollars)*

| Agency   | Amer Studies | Anthro     | Bot        | Chem       | Cult Out Prog | English   | Geog & Rec | Geo & Geophy & IER | Math       | Mod & Class Lang | Music     | Physics & Astr | Psyc       | Sociol     | Stat       | Survey Res Center | Theatre & Dance | Women's Studies | WYSAC       | Zool & Phys  |
|--|--------------|------------|------------|------------|---------------|-----------|------------|--------------------|------------|------------------|-----------|----------------|------------|------------|------------|-------------------|-----------------|-----------------|-------------|--------------|
| Agriculture  |              | 45         | 19         |            |               |           |            |                    |            |                  |           |                |            |            |            |                   |                 |                 |             | 70           |
| Air Force  |              |            |            |            |               |           |            |                    |            |                  |           |                |            | 116        |            |                   |                 |                 |             |              |
| Army   |              |            |            |            |               |           |            |                    | 102        |                  |           |                |            |            |            |                   |                 |                 |             |              |
| DOD – Defense Threat Reduction                       |              |            |            |            |               |           |            | 238                |            |                  |           |                |            |            |            |                   |                 |                 |             |              |
| Energy (includes WRI)                                |              |            | 98         | 45         |               |           |            | 52                 |            |                  |           |                |            |            |            |                   |                 |                 |             | 12           |
| Environmental Protection Agency                      |              |            |            |            |               |           |            |                    |            |                  |           |                |            |            |            |                   |                 |                 |             | 338          |
| Health and Human Services                            |              |            |            | 46         |               |           |            |                    |            |                  |           |                | 398        |            |            |                   |                 |                 |             | 2,356        |
| Interior   |              | 146        | 80         |            |               |           | 4          | 5                  |            |                  |           |                |            |            | 61         |                   |                 |                 |             | 229          |
| Justice  |              |            |            |            |               |           |            |                    |            |                  |           |                |            |            | 102        |                   |                 |                 | 100         |              |
| National Aeronautics and Space Adm                   |              |            |            |            |               |           |            |                    |            |                  |           | 1,068          |            |            |            |                   |                 |                 |             |              |
| National & WY Endowments for the Humanities and Arts |              |            |            |            | 5             |           |            |                    |            |                  |           |                |            | 3          |            |                   | 3               |                 |             |              |
| National Science Foundation                          |              |            | 178        | 305        |               |           |            | 1,512              | 69         |                  |           | 158            | 245        |            |            |                   |                 |                 |             | 29           |
| Wyoming Governmental Entities                        | 2            | 41         |            |            |               | 5         | 73         |                    |            |                  |           | 51             | 33         |            |            | 36                |                 |                 | 763         | 678          |
| Industry   |              |            |            | 130        |               |           |            | 710                |            |                  |           | 191            |            |            |            |                   |                 |                 |             | 188          |
| Other  | 4            | 114        | 109        | 83         |               | 50        | 98         | 347                |            | 1                | 10        | 48             | 62         |            |            | 7                 |                 | 5               | 10          | 342          |
| <b>TOTAL</b>   | <b>6</b>     | <b>346</b> | <b>484</b> | <b>609</b> | <b>5</b>      | <b>55</b> | <b>175</b> | <b>2,864</b>       | <b>171</b> | <b>1</b>         | <b>10</b> | <b>1,516</b>   | <b>738</b> | <b>119</b> | <b>163</b> | <b>43</b>         | <b>3</b>        | <b>5</b>        | <b>*873</b> | <b>4,242</b> |

\*OTHER PART OF WYSAC FUNDING REPORTED UNDER HEALTH SCIENCES

**TABLE 5**  
**AWARDS BY SPONSOR**  
**COLLEGE OF BUSINESS**  
for the period July 1, 2002 through June 30, 2003

**TOTAL: \$846,937**  
**NUMBER OF AWARDS: 21**  
*(numbers below represent thousands of dollars)*

| Agency                          | Economics & Finance | Management & Marketing |
|---------------------------------|---------------------|------------------------|
| Agriculture                     | 33                  |                        |
| Commerce                        |                     | 40                     |
| Environmental Protection Agency | 163                 |                        |
| Interior                        | 13                  |                        |
| National Science Foundation     | 54                  |                        |
| Wyoming Governmental Entities   | 126                 | 167                    |
| Other                           | 251                 |                        |
| <b>TOTAL</b>                    | <b>640</b>          | <b>207</b>             |

**TABLE 6**  
**AWARDS BY SPONSOR**  
**COLLEGE OF EDUCATION**  
for the period July 1, 2002 through June 30, 2003

**TOTAL: \$2,035,414**  
**NUMBER OF AWARDS: 22**  
*(numbers below represent thousands of dollars)*

| Agency                           | Adult Learning &<br>Technology | Counselor<br>Education | Dean's Office | Elementary &<br>Early Childhood | Science-Math<br>Teaching Center | Secondary<br>Education |
|----------------------------------|--------------------------------|------------------------|---------------|---------------------------------|---------------------------------|------------------------|
| Interior                         |                                |                        |               | 6                               |                                 |                        |
| National Science<br>Foundation   | 25                             |                        |               |                                 | 386                             |                        |
| Wyoming Governmental<br>Entities | 20                             | 108                    | 1,200         |                                 | 124                             | 18                     |
| Industry                         |                                |                        |               |                                 | 5                               |                        |
| Other                            |                                | 35                     |               |                                 | 108                             |                        |
| <b>TOTAL</b>                     | <b>45</b>                      | <b>143</b>             | <b>1,200</b>  | <b>6</b>                        | <b>623</b>                      | <b>18</b>              |

**TABLE 7**  
**AWARDS BY SPONSOR**  
**COLLEGE OF ENGINEERING**  
for the period July 1, 2002 through June 30, 2003

**TOTAL: \$6,171,588**  
**NUMBER OF AWARDS: 113**  
*(numbers below represent thousands of dollars)*

| <b>Agency</b>                                    | <b>Atmospheric<br/>Science</b> | <b>Chemical &amp; Petroleum<br/>Engineering</b> | <b>Civil &amp; Arch<br/>Engineering</b> | <b>Computer<br/>Science</b> | <b>Dean's<br/>Office</b> | <b>Electrical<br/>Engineering</b> | <b>Mechanical<br/>Engineering</b> |
|--|--------------------------------|---|---|-----------------------------|--------------------------|-----------------------------------|-----------------------------------|
| Army   |                                |   |   |                             |                          | 238                               |                                   |
| Energy (includes WRI)                            |                                | 172   |   |                             |                          | 1                                 |                                   |
| Health and Human<br>Services                     |                                |   |   |                             |                          | 64                                |                                   |
| Interior   |                                |   | 33                                      |                             |                          |                                   |                                   |
| National Aeronautics<br>and Space Administration | 376                            |   |   | 26                          |                          |                                   |                                   |
| National Science<br>Foundation                   | 1,458                          | 130   | 51                                      | 83                          | 380                      | 24                                | 88                                |
| Navy   |                                |   |   |                             |                          |                                   | 97                                |
| Wyoming Governmental<br>Entities                 |                                |   | 1,148                                   |                             |                          | 17                                | 10                                |
| Industry   | 90                             | 173   | 65                                      |                             | 224                      | 165                               | 159                               |
| Other  | 623                            |   | 151                                     |                             |                          | 40                                | 86                                |
| <b>TOTAL</b>                                     | <b>2,547</b>                   | <b>475</b>                                      | <b>1,448</b>                            | <b>109</b>                  | <b>604</b>               | <b>549</b>                        | <b>440</b>                        |



**TABLE 8**  
**AWARDS BY SPONSOR**  
**COLLEGE OF HEALTH SCIENCES**  
for the period July 1, 2002 through June 30, 2003

**TOTAL: \$7,636,920**  
**NUMBER OF AWARDS: 104**  
*(numbers below represent thousands of dollars)*

| Agency                    | Center for Rural Health Research & Education | Communication Disorders | Dean's Office | Kinesiology & Health Education | Nursing   | Pharmacy   | Social Work | WIND         | Medical Education & Public Health/ WWAMI/GME | *WYSAC      |
|---------------------------|--|-------------------------|---------------|--------------------------------|-----------|------------|-------------|--------------|--|-------------|
| Agriculture               |  |                         |               |                                |           |            |             | 46           |  |             |
| Education                 |  |                         |               |                                |           |            |             | 569          |  |             |
| Health and Human Services | 132  |                         | 1,779         |                                |           | 350        |             | 608          | 105  |             |
| Justice                   |  |                         |               |                                |           |            |             |              |  | 100         |
| Veterans Affairs          |  |                         |               |                                |           | 36         |             |              |  |             |
| Wyo Governmental Entities | 796  |                         |               | 101                            |           | 562        | 5           | 1,084        | 9  | 763         |
| Industry                  |  |                         |               |                                | 1         | 18         |             | 17           |  |             |
| Other                     |  | 23                      |               | 51                             | 11        | 25         | 2           | 272          | 161  | 10          |
| <b>TOTAL</b>              | <b>928</b>                                   | <b>23</b>               | <b>1,779</b>  | <b>152</b>                     | <b>12</b> | <b>991</b> | <b>7</b>    | <b>2,596</b> | <b>275</b>                                   | <b>*873</b> |

\*OTHER PART OF WYSAC FUNDING REPORTED UNDER A&S

**TABLE 9**  
**AWARDS BY SPONSOR**  
**COLLEGE OF LAW**  
for the period July 1, 2002 through June 30, 2003

**TOTAL: \$0**  
**NUMBER OF AWARDS: 0**  
*(numbers below represent thousands of dollars)*

| Agency       | LAW      |
|--------------|----------|
| Other        | 0        |
| <b>TOTAL</b> | <b>0</b> |

**TABLE 10**  
**AWARDS BY SPONSOR**  
**NON-COLLEGE UNITS**  
for the period July 1, 2002 through June 30, 2003

**TOTAL: \$16,692,037**  
**NUMBER OF AWARDS: 162**  
*(numbers below represent thousands of dollars)*

| Agency   | Admissions | American Heritage | Art Museum | Center for Teaching Excellence | Coe Library | IENR - SENR | Intl Programs | MAMTC      | Research Products Center | SBDC         | SEO          | SFA          | Student Life | Trans Park | VP Research  | WPR        | WYGIS      | WYND       |
|--|------------|-------------------|------------|--------------------------------|-------------|-------------|---------------|------------|--------------------------|--------------|--------------|--------------|--------------|------------|--------------|------------|------------|------------|
| Agriculture  |            |                   |            |                                |             |             |               |            |                          |              |              |              |              |            |              |            | 64         | 22         |
| Air Force  |            |                   |            |                                |             |             |               |            |                          |              |              | 145          |              |            |              |            |            | 18         |
| Army   |            |                   |            |                                |             |             |               |            |                          |              |              | 223          |              |            | 5            |            |            |            |
| Commerce   |            |                   |            |                                |             |             |               |            |                          | 40           |              |              |              |            |              |            |            |            |
| Defense  |            |                   |            |                                |             |             |               |            |                          | 233          |              |              |              |            |              |            |            |            |
| Education  |            |                   |            |                                |             |             |               |            |                          |              | 2,726        | 6,762        |              |            |              |            |            |            |
| Interior   |            |                   |            |                                |             | 30          |               |            |                          |              |              |              |              |            | 78           |            | 368        | 423        |
| Justice  |            |                   |            |                                |             |             |               |            |                          |              |              |              | 101          |            |              |            |            |            |
| National & WY Endowments for the Humanities and Arts |            |                   | 25         |                                |             |             |               |            |                          |              |              |              |              |            |              |            |            |            |
| National Science Foundation                          |            |                   |            | 25                             |             |             |               |            |                          |              |              |              |              |            | 1,095        |            |            |            |
| Small Business Administration                        |            |                   |            |                                |             |             |               |            |                          | 547          |              |              |              |            |              |            |            |            |
| Wyo Governmental Entities                            |            |                   | 10         |                                |             | 22          |               | 555        | 192                      | 767          | 65           | 16           | 1            | 580        | 399          | 5          | 132        | 4          |
| Industry   |            |                   |            |                                |             | 12          |               | 285        |                          |              |              |              |              |            |              |            | 27         | 21         |
| Other  | 41         | 4                 |            |                                | 51          | 141         | 132           |            |                          | 4            |              |              |              |            | 1            | 251        | 39         | 4          |
| <b>TOTAL</b>   | <b>41</b>  | <b>4</b>          | <b>35</b>  | <b>25</b>                      | <b>51</b>   | <b>205</b>  | <b>132</b>    | <b>840</b> | <b>192</b>               | <b>1,591</b> | <b>2,791</b> | <b>7,146</b> | <b>102</b>   | <b>580</b> | <b>1,578</b> | <b>256</b> | <b>630</b> | <b>492</b> |



**TABLE 11**  
**INDIRECT COST DISTRIBUTION BY COLLEGE**  
(includes Dean's and Department totals)  
for the period July 1, 2002 through June 30, 2003

| <b>College</b>  | <b>Indirect<br/>Cost<br/>Amount</b> | <b>Percent of<br/>Indirect Costs<br/>Distributed</b> |
|---|-------------------------------------|--|
| Agriculture   | 159,693                             | 10.5   |
| Arts & Sciences   | 387,368                             | 25.6   |
| Business  | 20,850                              | 1.4  |
| Education   | 37,678                              | 2.5  |
| Engineering   | 454,529                             | 30.0   |
| Health Sciences   | 311,332                             | 20.6   |
| Law   | 0                                   | 0  |
| NON-COLLEGE   |                                     |  |
| Student Affairs: SEO, Student Financial Aids,<br>Admissions & Student Life  | 36,386                              | 2.4  |
| Other: American Heritage, Art Museum, CTE, IENR,<br>International Programs, Library, MAMTC, Research<br>Products Center, SBDC, TransPark, VP Academic Affairs,<br>VP Research, WYGIS, WYNDD, Wyo Public Radio | 107,044                             | 7.0  |
| <b>TOTAL</b>  | <b>1,514,880</b>                    | <b>100.0</b>   |

# Total Sponsored Contracts and Grants Obligated to the University of Wyoming FY 1986-2003

Note: Totals listed represent sponsored projects accounted for through the Research Office.

