



Office of Research and Sponsored Programs

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October 31, 2008

TO: Dr. Ann Stuart, Chancellor and President
Dr. Kay Clayton, Provost and Vice President for Academic Affairs
Dr. Brenda Floyd, Vice President for Finance and Administration
Dr. Richard Nicholas, Vice President of Student Life
Mr. Bill Palmertree, Vice President of Information Services
Dr. Jennifer Martin, Dean of the Graduate School
Dr. Vic Ben-Ezra, Research Support Committee, Chair
Dr. Mark Hamner, Graduate Council, Research Committee, Chair
Board of Regents

FROM: Dr. Jo Ann Engelbrecht
Director of Research & Sponsored Programs

RE: Annual Report, FY2008

This is a report from the Office of Research & Sponsored Programs (ORSP) on external funding at Texas Woman's University for 2007-2008 as shown by the grants and contracts for sponsored projects that were awarded to the University. These sponsored projects encompass many types of activities funded by outside agencies: basic scientific research; applied research in nursing or allied health sciences, social sciences, and other areas; education and training programs in community and business settings; demonstration, model, or pilot projects, and creative activities. Research is defined as a systematic study directed toward fuller scientific knowledge or understanding of the subject studied and includes all research activity, both basic and applied. Sources of funding include federal, state, and private funding agencies.

Proposals for grants and contracts are initiated by TWU faculty or staff and are reviewed by the department chair, director or associate dean, the dean of the college, the director of Research & Sponsored Programs, and the Provost. Occasionally others are included in the review process, depending on the nature of the project or the instructions from the funding source. Proposals range in complexity from a request for support of a few hundred dollars from a professional association to an application for a million-dollar, multi-year project from a federal agency.

This report is divided into four sections. The first section presents different breakdowns of externally funded projects by campus, college, department, and principal investigator (or project director). The second section describes the proposals submitted for external funding, the third section provides information about research expenditures, while the fourth section includes information about facility and administrative (indirect) costs.

e-copy: Dr. Patricia Holden-Huchton, Dean – College of Nursing
 Dr. Jimmy Ishee, Dean – College of Health Sciences
 Dr. Nan Restine, Dean – College of Professional Education
 Dr. Ann Staton, Dean – College of Arts & Sciences
 Dr. Barbara Lerner, P-16 Initiative Coordinator – Academic Affairs
 Ms. Carolyn Barnes, Associate Vice President – Marketing & Communications
 Ms. Carolyn Ishee, Executive Director – Institutional Development
 Mr. Rayzor Dent, Senior Development Officer for Schools & Colleges – Institutional Development
 Ms. Amanda Simpson, Director of News & Information – Marketing & Communication
 Dr. Carol Kominski, Associate Vice President – Institutional Effectiveness & Research
 Dr. Judith Bean, Associate Vice President for Undergraduate Studies
 Dr. Don Edwards, Council of Chairs, Chair

I. Externally Funded Grants and Contracts

From FY 2003 to FY 2007 the total amount and number of grants awarded to TWU were fairly constant, while the amount and number of research grants awarded trended slightly downward. During FY 2008, TWU experienced a moderate increase in the total number and amount of grants awarded as well as the number and amount of *research* grants awarded.

Total Grants Awarded

FY 2003: \$ 5,481,573 60 Awards
 FY 2004: \$ 4,377,137 57 Awards
 FY 2005: \$ 5,407,216 58 Awards
 FY 2006: \$ 4,926,421 62 Awards
 FY 2007: \$ 5,312,584 60 Awards
 FY 2008: \$ 6,441,696 69 Awards

Research Grants Awarded

FY 2003: \$ 1,861,613 30 Awards
 FY 2004: \$ 1,523,983 33 Awards
 FY 2005: \$ 1,527,591 27 Awards
 FY 2006: \$ 1,533,154 29 Awards
 FY 2007: \$ 1,556,342 25 Awards
 FY 2008: \$ 2,583,597 33 Awards

The following section provides a more detailed breakdown of the external grants and contracts received through ORSP during FY 2008 and the comparison of these breakdowns with FY 2007.

A. Distribution by College, Department, and Campus

Tables 1-4 illustrate the distribution of grant awards for each college, department, individual faculty member, and campus. For accounting purposes, the award is listed in the department of the principal investigator (PI). In the instances where the co-principal investigator (Co-PI) is from a different department or campus than the PI, the Co-PI's department is shown in parentheses.

**Table 1
Comparison of Funding by College**

	2006-2007	2007-2008
Arts & Sciences	\$2,305,282	\$3,122,152
Health Sciences	\$621,976	\$1,683,778
Nursing	\$609,012	\$622,595
Professional Education	\$1,322,306	\$690,947
Other	\$454,008	\$322,224
TOTAL OF ALL AWARDS	\$5,312,584	\$6,441,696

**Table 2
Comparison of Funding by College and Department**

	2006-2007	2007-2008
ARTS & SCIENCES		
School of the Arts	\$4,225	\$4,962
Biology	\$946,616	\$1,533,374
Chemistry & Physics	\$194,000	\$244,813
Fashion & Textiles	\$28,000	\$28,000
History & Government	\$505,193	\$505,193
Mathematics & Computer Science	\$217,857	\$329,886
Psychology & Philosophy	\$6,565	\$0
Sociology & Social Work	\$402,826	\$475,925
Total Arts & Sciences	\$2,305,282	\$3,122,153

	2006-2007	2007-2008
HEALTH SCIENCES		
Communication Sciences & Disorders	\$363,890	\$317,038
Health Care Administration – Houston	\$6,610	\$61,044
Health Studies	\$1,000	\$13,500
Kinesiology	\$18,000	\$104,770
Nutrition & Food Sciences	\$137,600	\$683,606
Nutrition & Food Sciences - Houston	\$25,000	\$25,000
Occupational Therapy - Dallas	\$3,600	\$1,000
Occupational Therapy – Houston	\$0	\$353,883
Physical Therapy - Dallas	\$63,816	\$67,707
Physical Therapy - Houston	\$2,460	\$56,230
Total Health Sciences	\$621,976	\$1,683,778
NURSING		
Nursing - Dallas	\$181,912	\$308,156
Nursing - Denton	\$305,090	\$309,439
Nursing - Houston	\$122,010	\$5,000
Total Nursing	\$609,012	\$622,595
PROFESSIONAL EDUCATION		
Family Sciences	\$63,741	\$50,772
Library & Information Studies	\$704,123	\$12,800
Teacher Education	\$554,442	\$627,375
Total Professional Education	\$1,322,306	\$690,947
OTHER		
Academic Affairs	\$313,008	\$0
Student Life	\$141,000	\$322,224
Total Other	\$454,008	\$322,224
TOTAL OF ALL AWARDS	\$5,312,584	\$6,441,696

Table 3
Funding Distribution by College, Department, and Individual Faculty Member 2007-2008

ARTS & SCIENCES		2007-2008
SCHOOL OF THE ARTS		
Dr Herbert Holl & Ms Mary Williford-Shade	Texas Commission on the Arts	\$3,762
Dr Herbert Holl & Dr James Chenevert	National Endowment for the Arts (NEA)	\$1,200
SUBTOTAL SCHOOL OF THE ARTS		\$4,962

Arts & Sciences (continued)

BIOLOGY		2007-2008
Dr DiAnna Hynds, Dr Brian W. Beck, Dr Marie-Anne Demuynck & Dr Junalyn Navarra-Madsen	National Science Foundation	\$593,520
Dr Sarah McIntire	HHS - National Institutes of Health (NIGMS)	\$201,083
Dr Lynda Uphouse	HHS - National Institutes of Health (NIGMS)	\$497,313
Dr Lynda Uphouse	HHS - National Institutes of Health (NICHD)	\$241,458
SUBTOTAL BIOLOGY		\$1,533,374
CHEMISTRY & PHYSICS		
Dr B. Mark Britt	Texas Higher Education Coordinating Board	\$74,298
Dr James Johnson	Joint Medical and Dental Schools Application Service	\$15,000
Dr Richard Sheardy, Dr B. Mark Britt & Dr Mary Anderson	National Science Foundation	\$122,515
Dr Richard Sheardy	Welch Foundation	\$30,000
Dr Richard Sheardy	National Science Foundation	\$3,000
SUBTOTAL CHEMISTRY & PHYSICS		\$244,813
FASHION & TEXTILES		
Dr Sheri Drago	Texas Department of Agriculture	\$28,000
SUBTOTAL FASHION & TEXTILES		\$28,000
HISTORY & GOVERNMENT		
Dr Jim Alexander	State of Texas	\$505,193
SUBTOTAL HISTORY & GOVERNMENT		\$505,193
MATHEMATICS & COMPUTER SCIENCE		
Ms Catherine Banks	U.S. Department of Education (2)	\$174,000
Dr Don Edwards & Dr Barbara Lerner	Greater Texas Foundation	\$150,000
Dr Winifred Mallam	National Science Foundation	\$5,886
SUBTOTAL MATH & COMPUTER SCIENCE		\$329,886
SOCIOLOGY & SOCIAL WORK		
Dr Kirstin Painter	Texas Department of Protective and Regulatory Services	\$49,859
Dr Gayle Sulik	National Endowment for the Humanities (NEH)	\$50,400
Dr Abigail Tilton	HHS - Administration for Children & Families	\$375,665
SUBTOTAL SOCIOLOGY & SOCIAL WORK		\$475,924
TOTAL ARTS & SCIENCES		\$3,122,152

HEALTH SCIENCES		2007-2008
COMMUNICATION SCIENCES & DISORDERS		
Dr Cynthia Gill	Texas Education Agency	\$117,180
Dr Chad E. Smith	U.S. Department of Education	\$199,858
SUBTOTAL COMS		\$317,038
HEALTH CARE ADMINISTRATION - HOUSTON		
Dr Kelley Moseley	HHS - Health Resources & Services Administration	\$61,044
SUBTOTAL HCA - HOUSTON		\$61,044
HEALTH STUDIES		
Dr Jody Oomen-Early & Ms Priyanka Lalwani	Susan G. Komen for the Cure - North Texas Affiliate	\$13,500
SUBTOTAL HEALTH STUDIES		\$13,500
KINESIOLOGY		
Dr Vic Ben-Ezra	Flow Healthcare Foundation	\$20,000
Dr Young-Hoo Kwon	Burlington Northern and Santa Fe Railway Company	\$84,770
SUBTOTAL KINESIOLOGY		\$104,770
NUTRITION & FOOD SCIENCES		
Dr Carolyn Bednar & Ms Sockju Kwon	Foodservice Systems Management Education Council (FSMEC)	\$2,000
Dr Clay King	Texas Department of Agriculture (2)	\$83,000
Dr Huanbiao Mo	Texas Department of Agriculture	\$35,000
Dr Huanbiao Mo & Dr Clay King	Texas Department of Agriculture	\$37,000
Dr Huanbiao Mo & Dr Chandan Prasad	Texas Department of Agriculture	\$35,000
Dr Chandan Prasad & Dr Victorine Imrhan	Texas Department of Agriculture	\$35,000
Dr Dojin Ryu & Dr Lisa Zottarelli	U.S. Department of Agriculture (USDA)	\$456,606
SUBTOTAL NFS		\$683,606
NUTRITION & FOOD SCIENCES - HOUSTON		
Dr John Radcliffe & Dr Victorine Imrhan	Texas Department of Agriculture	\$25,000
SUBTOTAL NFS - HOUSTON		\$25,000
OCCUPATIONAL THERAPY - DALLAS		
Ms Regina Campbell	Presbyterian Hospital of Dallas	\$1,000
SUBTOTAL OT - DALLAS		\$1,000

OCCUPATIONAL THERAPY - HOUSTON		2007-2008
Dr Gayle Hersch & Dr Shirley Hutchinson	HHS - National Institutes of Health (NINR)	\$353,883
SUBTOTAL OT - HOUSTON		\$353,883
PHYSICAL THERAPY - DALLAS		
Dr Elaine Trudelle Jackson	HHS - National Institutes of Health	\$63,207
Dr Suh-Jen Lin	Texas Society of Allied Health Professions	\$1,000
Dr Mary Thompson & Mr Chad Swank	Texas Physical Therapy Education & Research Foundation	\$3,500
SUBTOTAL PT - DALLAS		\$67,707
PHYSICAL THERAPY - HOUSTON		
Dr Carolyn Kelley	Memorial Hermann Clinical Innovation & Research Institute	\$8,230
Dr Sharon Olson & Dr Mohamed Sabbahi	The Methodist Hospital Research Institute	\$48,000
SUBTOTAL PT - HOUSTON		\$56,230
TOTAL HEALTH SCIENCES		\$1,683,778

NURSING		2007-2008
NURSING - DALLAS		
Dr Ho Soon Michelle Cho	Sigma Theta Tau International	\$5,000
Dr Peggy Mancuso	HHS - Health Resources & Services Administration	\$168,479
Dr Caryl Mobley	HHS - Health Resources & Services Administration	\$29,639
Dr Susan Sheriff & Dr Susan Chaney	Texas Higher Education Coordinating Board	\$105,038
SUBTOTAL NURSING - DALLAS		\$308,156
NURSING - DENTON		
Dr Patricia Holden-Huchton	HHS - Health Resources & Services Administration	\$131,373
Dr Donna Sauls & Dr Jane Grassley	Sigma Theta Tau International	\$4,987
Dr Anne Stiles	U.S. Department of Education	\$171,504
Dr Anne Stiles	Medical City Dallas Hospital	\$1,575
SUBTOTAL NURSING - DENTON		\$309,439
NURSING - HOUSTON		
Dr Ann Malecha	American Nurses Foundation	\$5,000
SUBTOTAL NURSING - HOUSTON		\$5,000
TOTAL NURSING		\$622,595

PROFESSIONAL EDUCATION		2007-2008
FAMILY SCIENCES		
Dr Larry LeFlore	HHS - Administration for Children & Families	\$50,772
SUBTOTAL FAMILY SCIENCES		\$50,772
LIBRARY & INFORMATION STUDIES		
Dr Robert Martin & Dr Ling Hwey Jeng	Tocker Foundation	\$12,800
SUBTOTAL LIBRARY & INFORMATION STUDIES		\$12,800
TEACHER EDUCATION		
Dr Patricia Casey & Dr Claudia Sanchez	U.S. Department of Education	\$269,680
Dr Jane Pemberton	U.S. Department of Education	\$37,975
Dr Claudia Sanchez & Dr Winifred Mallam	U.S. Department of Education	\$57,900
Dr Claudia Sanchez	U.S. Department of Education	\$261,820
SUBTOTAL TEACHER EDUCATION		\$627,375
TOTAL PROFESSIONAL EDUCATION		\$690,947

OTHER		2007-2008
STUDENT LIFE		
Dr Richard Nicholas & Dr Monica Mendez-Grant	Texas Higher Education Coordinating Board (P-16)	\$107,724
Dr Richard Nicholas & Dr Monica Mendez-Grant	Texas Higher Education Coordinating Board (G-Force)	\$214,500
SUBTOTAL STUDENT LIFE		\$322,224
TOTAL OTHER		\$322,224
TOTAL OF ALL AWARDS		\$6,441,696

**Table 4
Comparison of Funding by Campus**

Location	2006-2007	2007-2008
Dallas – Parkland Campus	\$181,912	\$308,156
Dallas – Presbyterian Campus	67,416	68,707
Denton Campus	4,907,176	5,563,676
Houston Campus	156,080	501,157
TOTAL	\$5,312,584	\$6,441,696

B. Distribution by Funding Source

Tables 5 and 6 provide a breakdown of funding by agency type. Most of the state accountability measures focus on federal funding which did increase slightly from FY 2007 to FY 2008.

**Table 5
Comparison of Funding by Type of Funding Source**

	2006-2007		2007-2008	
Federal	\$ 3,834,585	72.2%	\$ 4,579,780	71.1%
State	1,270,246	23.9%	1,470,554	22.8%
Private	207,753	3.9%	391,362	6.1%
TOTAL	\$ 5,312,584	100.0%	\$6,441,696	100.0%

**Table 6
List of External Funding Agencies Supporting Research & Sponsored Projects at TWU during FY 2008**

FEDERAL FUNDING	2007-2008	
HHS - Administration for Children & Families	4	\$426,437
HHS - Health Resources & Services Administration	5	\$390,535
HHS - National Institutes of Health	6	\$1,356,944
National Endowment for the Arts (NEA)	1	\$1,200
National Endowment for the Humanities (NEH)	1	\$50,400
National Science Foundation	4	\$724,921
U.S. Department of Agriculture (USDA)	1	\$456,606
U.S. Department of Education	9	\$1,172,737
TOTAL FEDERAL FUNDING	31	\$4,579,780
PRIVATE FUNDING		
American Nurses Foundation	1	\$5,000
Burlington Northern and Santa Fe Railway Company	1	\$84,770
Flow Healthcare Foundation	1	\$20,000
Foodservice Systems Management Education Council (FSMEC)	1	\$2,000
Greater Texas Foundation	1	\$150,000
Medical City Dallas Hospital	1	\$1,575
Memorial Hermann Clinical Innovation & Research Institute	1	\$8,230
Presbyterian Hospital of Dallas	1	\$1,000
Sigma Theta Tau International	2	\$9,987
Susan G. Komen for the Cure - North Texas Affiliate	1	\$13,500
Texas Physical Therapy Education & Research Foundation	1	\$3,500

Texas Society of Allied Health Professions	1	\$1,000
The Methodist Hospital Research Institute	1	\$48,000
Tocker Foundation	1	\$12,800
Welch Foundation	1	\$30,000
TOTAL PRIVATE FUNDING	16	\$391,362
STATE FUNDING		
Joint Medical and Dental Schools Application Service	1	\$15,000
State of Texas	1	\$505,193
Texas Commission on the Arts	1	\$3,762
Texas Department of Agriculture	11	\$278,000
Texas Department of Protective and Regulatory Services	1	\$49,859
Texas Education Agency	1	\$117,180
Texas Higher Education Coordinating Board	6	\$501,560
TOTAL STATE FUNDING	22	\$1,470,554
TOTAL	69	\$6,441,696

C. **Distribution by Project Type**

Table 7 provides a breakdown of funding by project type. State accountability measures focus on research funding which did increase slightly from FY 2007 to FY 2008.

Table 7
Comparison of Awards by Project Type

	2006-2007		2007-2008	
	Number of Awards	Amount of Awards	Number of Awards	Amount of Awards
Instruction	22	\$ 2,575,815	22	\$ 1,898,726
Research	25	1,556,342	33	2,583,597
Scholarship or Fellowship	5	341,690	5	1,047,397
Service	8	838,737	9	911,976
TOTAL	60	\$ 5,312,584	69	\$ 6,441,696

In summary, the dollar amount of grants received in FY 2008, as compared to FY 2007, increased by \$1,129,112. These numbers are encouraging in light of a highly competitive funding environment and the number of new investigators at TWU.

II. Proposals Submitted for External Funding

There was a 48% increase in the amount of funds requested and an 18% increase in the number of proposals submitted between FY 2007 and FY 2008. Research proposals submitted increased 53% in the amount of funds requested and 20% in the number of proposals for research projects.

Total Proposals Submitted (All Types)

FY 2003: \$ 12,625,319 94 Submitted
 FY 2004: \$ 21,966,712 72 Submitted
 FY 2005: \$ 24,774,007 79 Submitted
 FY 2006: \$ 27,059,562 106 Submitted
 FY 2007: \$ 17,319,754 89 Submitted
 FY 2008: \$ 25,667,696 105 Submitted

Research Proposals Submitted

FY 2003: \$ 8,136,438 63 Submitted
 FY 2004: \$ 11,395,026 39 Submitted
 FY 2005: \$ 13,512,833 53 Submitted
 FY 2006: \$ 16,425,270 80 Submitted
 FY 2007: \$ 7,261,640 60 Submitted
 FY 2008: \$ 11,139,365 72 Submitted

Following is a more detailed breakdown of proposals submitted in FY 2008 compared with the previous fiscal year.

Table 8
Comparison of Proposal Submissions by Type of Funding Source

	2006-2007		2007-2008	
	Number of Proposals	Amount Requested	Number of Proposals	Amount Requested
Federal	33	\$13,484,597	35	\$16,851,840
State	19	1,748,502	28	5,427,405
Private	37	2,086,655	42	3,388,451
TOTAL	89	\$17,319,754	105	\$25,667,696

Table 9
Comparison of Proposal Submissions by Project Type

	2006-2007		2007-2008	
	Number of Proposals	Amount Requested	Number of Proposals	Amount Requested
Instruction	17	\$8,054,333	20	\$12,270,134
Research	60	7,261,640	72	11,139,365
Scholarship or Fellowship	4	930,704	5	1,210,521
Service	8	1,073,077	8	1,047,676
TOTAL	89	\$17,319,754	105	\$25,667,696

In summary, the amount of funds requested for federal, state, and private funding all increased. The amount requested during FY 2008, as compared to FY 2007, increased in each project type with the exception of services projects, which slightly decreased.

III. Research Expenditures

Research expenditures include all funds spent by TWU to support research. The Texas Higher Education Coordinating Board's accountability system includes research activity among its indicators. Two state accountability measures relate to the amount of federal research funding each university spends while a third accountability measure relates to the total amount of research expenditures reported.

The first column below shows total research expenditures, including state-appropriated research funds, indirect costs, external awards, and pass-through funds to other entities with whom TWU collaborates on projects. Research expenditures for FY 2008 are not yet available; however, based on preliminary figures, an increase from FY 2007 is anticipated.

Total Research Expenditures

FY 2003: \$ 2,998,340
FY 2004: \$ 2,233,085
FY 2005: \$ 1,927,385
FY 2006: \$ 2,078,736
FY 2007: \$ 1,931,001
FY 2008: numbers not yet available

Federal Research Expenditures

FY 2003: \$ 1,493,677
FY 2004: \$ 1,238,556
FY 2005: \$ 940,048
FY 2006: \$ 637,390
FY 2007: \$ 754,692
FY 2008: numbers not yet available

IV. Facilities and Administrative (Indirect) Costs

TWU's on-campus federally negotiated indirect cost rate during FY 2008 was 54% of salaries and wages. The amount of indirect costs (facilities and administrative costs) that were recovered for FY 2003 – FY 2007 are listed below. The amount of indirect costs recovered during FY 2008 is not yet available; however, based on preliminary figures, an increase from FY 2007 is anticipated.

FY 2003: \$ 291,996.77
FY 2004: \$ 298,201.21
FY 2005: \$ 218,303.73
FY 2006: \$ 194,887.91
FY 2007: \$ 241,386.70
FY 2008: numbers not yet available