

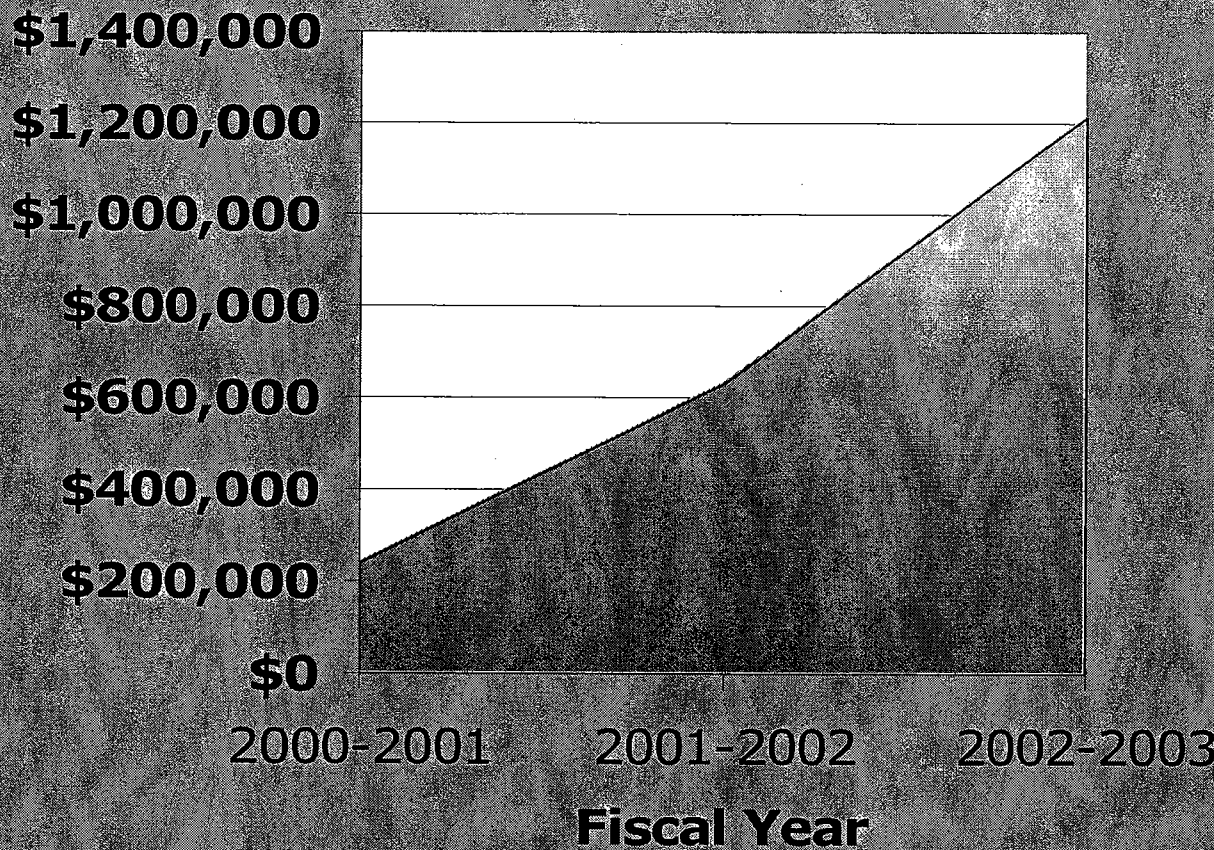
GRANTS INFO

Volume 4, Issue 1

Fall 2003

Research Awards on the Rise!

Funding for Sponsored Research
2000-2003



From the Vice Provost for Research and Faculty Development

Although we reported an all time high in grant awards in FY02, the news this past year is almost as good or maybe even better, depending on which way you look at it. The amount of grant awards in FY02 reached an unprecedented high partly because we were at the beginning of a five-year funding cycle for one of our major sources of grant dollars. In FY03, we attained another all time high in sponsored research dollars. As illustrated on the cover chart, awards for sponsored research almost doubled in FY02, and rose from \$239,939 in FY01 to \$1,212,923 in FY03, an increase of more than 400%. This is of particular significance because we are slowly broadening the base of faculty submitting proposals to external agencies for support.

This is also especially good news considering that this was accomplished in a national environment where the overwhelming federal R&D funds are increasingly going to research universities with demonstrated capacity for sponsored research. I am convinced that we will be able to continue to compete very well for these funds given the quality of faculty scholarship and the capacity of the Office of Academic Grants and Sponsored Research. As you will see in the articles that follow, these research grants were awarded by major federal agencies. We received an NSF research award in Biology, the first in recent years; the new Center for Youth Relationship Development received an award from NIH, also the first NIH funding in recent years; and the Center for Assistive Technology and Inclusive Education Studies (CATIES) in the School of Education received an award from the US Department of Education, also the first in USED funding in recent years.

In addition to, and probably in the long run, more important than

the financial gains we experienced this year, is the establishment of the two centers referenced above, to support and extend research at TCNJ. The other centers established in FY03 to provide business and non-profit community outreach are: Small Business Development Center, located in downtown Trenton and primarily supported by funds from the US Small Business Administration; New Jersey Global Business Initiative, located in the School of Business and primarily supported by funds from the US Department of Education; and the Center for Civic and Community Engagement, still actively seeking funds from US Housing and Urban Development and other private sources and foundations.

The work of these Centers is expected to contribute significantly to our ability to continue the trend of increasing grant funding to support the mission of the institution. I must say however, that it is *faculty* grant proposals submitted and awarded that will make the difference. The percentage of the faculty submitting grant proposals is not quite as encouraging. In the last four years, proposals were submitted, on average, by only 9% of the faculty. I believe we have the capacity to considerably increase the percentage of faculty submitting research proposals.

The President has asked Dr. David Tiffany and me to explore ways to increase the institution's capacity for fund raising. I will be calling on some of you to get your advice and recommendations. I look forward to reporting the results back to you in our next newsletter.

One aspect of our study will involve exploring avenues for increasing support of student research on campus, as well as proposing support mechanisms that will help increase student research activity. Angela Sgroi participated in a student research

working group last year that initiated this conversation and plans to address the following issues this year: College aspirations for student research, resources needed to reach those aspirations, identification of external and College resources, establishment of summer research internship program for students, and participation in the Council for Undergraduate Research (CUR).

As we explore these ideas this year, the Office of Academic Grants and Sponsored Research will continue to provide support and guidance as you seek funding sources, prepare and submit proposals, and manage your successful grant awards. Remember, don't be strangers. We look forward to seeing and hearing from you throughout the year.

Emmanuel I. Osagie

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Highlights of Sponsored Research at TCNJ

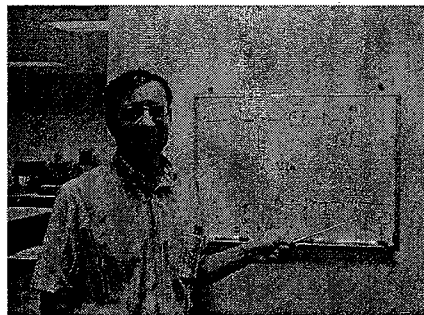


Donald Lovett seeks to understand how crabs maintain the salt balance in their blood. The estuarine crab is able to tolerate exposure to a wide range of environmental salinity, from fresh water to seawater. The levels of a hormone called methyl farnesoate (MF) change in crabs when salinity changes. Dr. Lovett's current research, which is part of a collaboration with David Borst of Illinois State University and is supported by a grant from the National Science Foundation, examines how the activity of enzymes is regulated in crabs, and how changes in MF levels initiate the osmoregulatory response. This work has implications for medical research and could eventually lead to a better understanding of the human regulatory processes associated with hypertension and kidney disease.

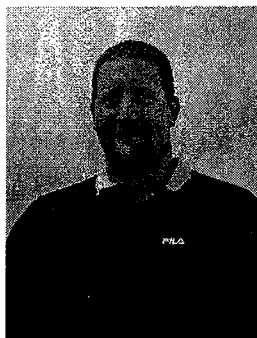


A new Research Center was launched this fall at TCNJ. The Center for Youth Relationship Development will conduct research, develop interventions, and educate students and professionals to improve understanding of the emotional and cognitive processes in relationships. Under the direction of **Candice Feiring**, internationally recognized researcher in the area of social development and childhood sexual abuse, the Center seeks to understand emotional and cognitive processes that help explain which youth with a history of victimization are likely

to develop relationship problems. Research at the Center will integrate work on the development of romantic life with that on victimization and sexuality. Dr. Feiring's research is currently being funded by a grant from the National Institutes of Mental Health.



The efficient communication of information requires systems that introduce a minimum degree of distortion. Much of **Allen Katz's** research effort has focused on improving the linearity of a Mach-Zehnder optical modulator to be integrated with a microchip laser currently being developed by the Mid Atlantic Research Consortium (MARC.) MARC, a consortium of Universities and Colleges in the Delaware Valley, has supported Dr. Katz's research for several years. He has also received funding from Cadence Design Systems. In addition to his work with distortion correction, Dr. Katz has ongoing research efforts in neural networks and pattern identification in the presence of noise, the development of communications aids for the handicapped, the use of the Moon as passive reflector for extended range microwave communications, and the search for extra terrestrial intelligence (SETI.)



Jay Hoffman's research bridges the gap between science and

sports. Two years ago, Dr. Hoffman began collaborating with University of Pennsylvania scientists to examine the effect of muscle oxygenation on anabolic hormonal secretions following resistance training. This was the first study of its kind to investigate effects of the intensity of exercise on oxygen delivery to exercising muscle during performance, and the subsequent effect of local tissue hypoxia as a potential stimulus for hormonal secretions. In the past year, Hoffman has secured funding from Vitalstate and the National Strength and Conditioning Association.



The Center for Assistive Technology & Inclusive Education Studies (CATIES) is a research and service initiative dedicated to improving the educational experiences of children with disabilities. Under the direction of **Amy Dell**, the Center links on-campus faculty scholarship with the needs of New Jersey's disability community. CATIES provides professional development activities to school districts on the use of assistive technology to enhance teaching and learning, and strategies to support inclusive educational practices. CATIES is a rich resource for faculty and students interested in studying the impact of assistive technology and inclusive education on children and adults with disabilities. In 2003, Co-PI's Bill Behre and Jerry Petroff were awarded a grant on behalf of CATIES from the U.S. Department of Education to support the Faculty Ambassador Project.

Proposals Submitted FY03

Project Director		Project Title	Funding Agency	Total Amt
1	Bakewell-Sachs Susan	Infant Functional Status and Discharge-Renewal	CHOP	\$23,894
2	Ball William	TCNJ COPC	HUD	\$1,050,679
3	Behre William	Teaching College Faculty to Use Adaptive Technology	USED	\$885,744
4	Bledsoe Katrina	Racism, Stress and Health Outcomes: Finding Positive Moderators	Murray Center Library - Radcliff	\$8,989
5	Bloch Joan	Caregiver Burden of Families with Children with ASD	American Nurses Foundation	\$3,426
6	Boatwright James	EOF FY 2004 - AY	NJ CHE	\$658,115
7	Boatwright James	EOF FY 2004 - summer	NJ CHE	\$215,512
8	Campbell-Christensen Hillary	Bonner Leaders program - National	CNCS	\$240,400
9	Chambers James	Collegebound Continuation FY2004	NJ CHE	\$559,506
10	Charubusa-payon Julie	Americorps Bonner Leaders Program - Federal	NJ DOE	\$307,200
11	Charubusa-payon Julie	AmeriCorps Bonner Leaders Program - State	NJ DOE	\$256,000
12	Clydesdale Timothy	Youth and Faith in Context: Understanding Youth Religiosity	Center for Study of World Religions/ Harvard	\$4,000
13	Clydesdale Timothy	Young Americans at the Crossroads: Choices after High School	Louisville Institute	\$45,000
14	Conjura Edward	TCNJ-CSEMS	NSF	\$395,956
15	Cooper Josh	Effect of the Eccentric Phase on Jump Squat	NSCA	\$2,500
16	Dell Amy	Adaptive Tech - continuation 2004- year 5	NJ CHE	\$240,093
17	Gooch Cheryl	Upward Bound	USED	\$1,300,322
18	Gross JoAnne	Muslim Shrines of Tajikistan	NCEER	\$70,000
19	Hackett Robert	Learn & Serve America	CNCS	\$811,054
20	Hadge Joseph	Changing Attitudes by Correcting Misconceptions - FY '03	Rowan	\$10,000
21	Hadge Joseph	Peer Institute	NJ Division of Highway Traffic Safety	\$49,100
22	Hadge Joseph	Integrating Prevention Strategies to Prevent High Risk Drinking	USED	\$297,022
23	Hadge Joseph	Tobacco Subgrant	Rowan	\$10,000
24	Hagedorn Thomas	Using Webwork in Linear Algebra	NSF-CCLI	\$68,777
25	Harms Henry	Vocational Student Org: Year 4/5	NJ DOE	\$97,635
26	Harms Henry	Informal Science Education	NSF	\$1,833,416
27	Hinitz Blythe	Early Educator Professional Development Consortium	Kean University	\$63,784
28	Hinitz Blythe	New Jersey Early Educator Professional Development Program	Kean/USED	\$103,205
29	Hoffman Jay	Effects of Lower Body Compression Garment of Performance and Muscle Damage Markers in Football Players	Antibody, Inc	\$58,061
30	Hollander Jean	Writers Conference 2004	NJ State Council on the Arts	\$26,500
31	Hutchinson Patricia	Center for Design, Engineering and Technology	NSF	\$10,533,947

Project Director		Project Title	Funding Agency	Total Amt.
32	Kamber Richard	Early Judaism	Chautauqua Society	\$1,000
33	Katz Allen	Hybrid Fiberoptic/Wireless System for High Capacity Military Communications	Mid Atlantic Research Consortium	\$30,000
34	Kayne Marlene	BioMolecules Alive, ASBMB Digital library	RIT/NSF	\$12,171
35	Knox Debra	eLITE-Digital Library	Villanova/NSF	\$152,843
36	Krimmel John	The Pennsylvania Police Accreditation Evaluation	Delaware Valley College/USDOJ	\$98,825
37	Leake Donald	Succession Planning Leadership Center	USED	\$735,157
38	Liebars Cathy	The Learning Community Initiative	NSF	\$11,220,923
39	Lindberg Claire	Advanced Educator Nurse Trainee Program	NJ DHHS	\$43,230
40	Lindberg Claire	Perinatal Neonatal Education Consortium	Thos. Jefferson/HRSA	\$42,873
41	Lovett Donald	Studies of Methyl Famesoate (resubmission)	Illinois State/NSF	\$126,396
42	Maskell Kenneth	ITEST Project	NSF-ITEST	\$12,000,000
43	Masterson Judy	Printing Invitations for Gallery Exhibition	MCCHC	\$2,000
44	Morrison Janet	RUI: The Role of Natural Enemies & Competition...	NSF	\$508,312
45	Norvell Amanda	Genetic dissection of TGF-alpha regulation in drosophila oogenesis	NJ Commission on Cancer Research	\$99,000
46	Norvell Amanda	Squid and axial patterning during drosophila oogenesis	NIH-AREA	\$137,291
47	Paul Elizabeth	Comp. Plan to Reduce Violence Against Women	US Dept. of Justice	\$199,497
48	Petroff Jerry	Building New Futures for Children with Autism	Doug Flutie, Jr. Foundation	\$20,000
49	Sanyal Rajib	NJ International Business Initiative	USED	\$423,832
50	Sherman Sharon	Improving Teacher Quality Partnership (Yr. 1/3)	NJ DOE	\$274,964
51	Simmons Gail	SENCER Project	NSF	\$3,500
52	Simmons Gail	Upward Bound Math and Science	USED - OPE	\$1,192,767
53	Simmons Gail	IRISS	NSF	\$999,712
54	Sullivan Marianna	Strengthening International Studies Curriculum/Caribbean Basin Studies and International Political Economy	USED	\$399,310
55	Switzer Mary	Statewide Nontraditional Career Assistance Center (Yr. 1/3)	NJ DOE	\$315,000
56	Tebbe Patrick	Study of Learning Evolution Across the Mechanical Engineering Curriculum	Educational Resources and Methods Minigrants Program (American Society for Engineering Education)	\$2,475
57	Tebbe Patrick	CAREER: Expansion of Interfacial Boundary Conditions for Numerical Modeling of Physical Vapor Transport	NSF	\$400,000
58	Wang Jennifer	A Study on Self-Replicating Robots	CRAW	\$3,000
59	Wang Jennifer	An Innovative Undergraduate Robotics Course Using Binary Robots	NSF-CCLI	\$74,998
60	Weber Robert	Regional Center Grant: Phase II, Year 5	Rutgers/NJ DOE/ NSF	\$75,000
61	Weber Robert	Mathematics and Science Urban Initiative (MSUI) Year 2	Rutgers	\$50,000
62	Wolz Ursula	On Demand Natural Language Processing	NSF	\$443,715
63	Wu Yiquang	TCNJ ESL Professional Resource Center	NJ CHE	\$332,379

Awards FY03

	Project Director		Project Title	Funding Agency	Total Amount Awarded
1	Lorraine	Allen	Mercer/Middlesex Small Business Development Center	NJ Cmrc & Econ Grth Comm	\$72,280
2	Lorraine	Allen	Small Business Development	US SBA & NJ CEGC	\$154,454
3	William	Ball	Bonner Foundation	Bonner Foundation	\$5,486
4	Robert	Bartoletti	Global Learning Center: Saving Energy in New Jersey Schools	NJ BPU/ US Dept of Energy	\$110,000
5	William	Behre	Teaching College Faculty to Use Adaptive Technology	US Dept. of Education	\$814,314
6	James	Boatwright	Educational Opportunity Fund FY03	NJCHE	\$818,204
7	Amy	Dell	Adaptive Technology Center	NJCHE	\$150,000
8	Anthony	Evangelisto	Provisional Teacher Program (Alternate Route)	NJ Dept of Education	\$187,010
9	Candice	Feiring	Adaption to Sexual Abuse from Childhood to Adulthood	DHHS/NIMH/NIH	\$239,713
10	Lisa	Grega	Acquisition of a digital particle image velocimetry system for the study of turbulent flows	NSF(MRI)RUI	\$93,290
11	Joseph	Hadge	Social Norms Approach to Binge Drinking	Rowan	\$10,000
12	Joseph	Hadge	NJ Peer Institute	NJ Div Hwy Traffic Safety	\$49,101
13	Joseph	Hadge	Lollanobooza	NJ Dpt of Law & Pub Safety	\$10,000
14	Thomas	Hagedorn	Introducing Software Tools into Linear Algebra and Principles of Mathematics	NSF-CCLI EMD	\$99,864
15	Keld	Hansen	International Business Center	NJ Chamber of Commerce	\$33,600
16	Henry	Harms	Vocational Student Organizations/Technology Student Association	NJ Dept of Education	\$90,373
17	Jay	Hoffman	Nutricia Research Grant	Natl Strngth & Cond Assoc	\$2,500
18	John	Hutchinson	PTC Software Training Program	Parametric Tech Corp	\$20,000
19	Richard	Kamber	Early Judaism	Chautauqua Society	\$1,000
20	Allan	Katz	Hybrid Fiberoptic/Wireless System for High Capacity	Mid Atlantic Rsrch Consort.	\$30,000
21	John	Krimmel	Pennsylvania Police Accreditation Evaluation—subcontract	Delaware Valley College	\$90,825
22	Donald	Leake	Leadership for Education Achievement in Districts	Trenton Board of Education	\$10,000
23	Donald	Lovett	Studies of Methyl Farnesoate (resubmission)	Illinois State/NSF	\$126,396
23	Judy	Masterson	Printing Invitations for Gallery Exhibition	Mrcr Cnty Cult & Herit Comm	\$2,000
25	Judy	Masterson	Awards, Honorarium, Acquisitions for MC Photography Exhibition	Mrcr Cnty Cult & Herit Comm	\$2,500
26	Ruth	Palmer	Trenton Public Schools	Trenton Board of Education	\$75,000
27	Elizabeth	Paul	Trenton Youth Community Research	Bonner Foundation	\$23,316
28	Gail	Simmons	SENCER Summer Institute 2003	NSF	\$3,500
29	Mary	Switzer	NJ Statewide Nontraditional Career Assistance Center	NJ Dept of Education	\$425,000
30	Marcia	Taylor	Governor's School of the Arts	NJ Dept of Education	\$318,000
31	Elaine	Tryjankowski	Governor's School Exec.	NJ Dept of Education	\$110,000
32	Robert	Weber	NJSSI-Partnership	RU/ NJ Dept of Ed/ NSF	\$30,000
33	Robert	Weber	TCNJSSI Regional Center Grant-FTT Specialty Site	RU/ NJ Dept of Ed/ NSF	\$25,000
34	Robert	Weber	Regional Center Grant: Phase II, Year 5	RU/ NJ Dept of Ed/ NSF	\$75,000
35	Robert	Weber	Math, Science Urban Initiative (MSUI)	RU/ Rsch for Better Schools	\$50,000
36	Yiqiang	Wu	Meeting the Challenge of Adult ESL Learners	NJCHE	\$58,727

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Proposals Submitted

Schools & Departments	FY2001/2002				FY2002/2003				Percent Change	
	No.	%Total #	Requested (\$)	% of Total \$	No.	%Total #	Requested (\$)	% of Total \$	Prop. Sub.	Amount(\$)
Academic Affairs	1.00	1.75	225,000.00	0.77	0.00	0.00	0.00	0.00	-50.00	-100.00
Academic Enhancement	4.00	7.02	2,420,059.00	8.29	3.00	4.76	1,433,133.00	2.83	-20.00	-40.78
Art, Media, & Music	2.00	3.51	3,500.00	0.01	1.00	1.59	2,000.00	0.00	-33.33	-42.84
Art	2.00	3.51	3,500.00	0.01	1.00	2.04	2,000.00	0.00	-33.33	-42.84
Career Services	1.00	1.75	5,000.00	0.02	0.00	0.00	0.00	0.00	-50.00	-99.98
Business	0.00	0.00	0.00	0.00	1.00	1.59	423,832.00	0.84	100.00	42383200.00
CCCE	0.00	0.00	0.00	0.00	1.00	1.59	1,300,322.00	2.57	100.00	130032200.00
Culture and Society	7.00	12.28	1,024,947.00	3.51	10.00	15.87	1,903,800.00	3.76	37.50	85.75
English	1.00	1.75	26,500.00	0.09	1.00	1.59	26,500.00	0.05	0.00	0.00
History	0.00	0.00	0.00	0.00	1.00	1.59	70,000.00	0.14	100.00	700000.00
International Studies	1.00	1.75	171,073.00	0.59	1.00	1.59	399,310.00	0.79	0.00	133.41
Law & Justice	0.00	0.00	0.00	0.00	1.00	1.59	98,825.00	0.20	100.00	9882500.00
Philo. & Religion	2.00	3.51	4,000.00	0.01	3.00	4.76	50,000.00	0.10	33.33	1149.71
Political Science	2.00	3.51	228,335.00	0.78	1.00	1.59	1,050,679.00	2.07	-33.33	360.15
Psychology	1.00	1.75	199,497.00	0.68	2.00	3.17	208,486.00	0.41	50.00	4.51
Cntr. for Inquiry & Design	2.00	3.51	3,244,322.00	11.11	0.00	0.00	0.00	0.00	-66.67	-100.00
Education	12.00	21.05	1,837,600.00	6.29	11.00	17.46	3,030,887.00	5.98	-7.69	64.94
Career Equit. Asst. Cntr.	1.00	1.75	500,000.00	1.71	1.00	1.59	315,000.00	0.62	0.00	-37.00
EASE	2.00	3.51	166,230.00	0.57	1.00	1.59	735,157.00	1.45	-33.33	342.25
EECE	1.00	1.75	749,922.00	2.57	3.00	4.76	441,953.00	0.87	100.00	-41.07
Global Studies	2.00	3.51	20,000.00	0.07	0.00	0.00	0.00	0.00	-66.67	-100.00
Health & Ex. Science	4.00	7.02	201,448.00	0.69	2.00	3.17	60,561.00	0.12	-40.00	-69.94
Lang. & Comm.	1.00	1.75	50,000.00	0.17	1.00	1.59	332,379.00	0.66	0.00	564.75
Special Education	1.00	1.75	150,000.00	0.51	3.00	4.76	1,145,837.00	2.26	100.00	663.89
Engineering	14.00	24.56	13,269,406.00	45.44	11.00	17.46	25,100,471.00	49.56	-20.00	89.16
Engineering	6.00	10.53	1,001,548.00	3.43	5.00	7.94	510,473.00	1.01	-14.29	-49.03
Tech. Studies	8.00	14.04	12,267,858.00	42.01	6.00	9.52	24,589,998.00	48.55	-22.22	100.44
Library	1.00	1.75	500,000.00	1.71	0.00	0.00	0.00	0.00	-50.00	-100.00
Nursing	1.00	1.75	15,700.00	0.05	4.00	6.35	113,423.00	0.22	150.00	622.40
OAGSR	0.00	0.00	0.00	0.00	4.00	6.35	1,614,654.00	3.19	400.00	161465400.00
Science	9.00	15.79	6,584,121.00	22.55	13.00	20.63	15,361,363.00	30.33	40.00	133.31
Biology	5.00	8.77	830,256.00	2.84	5.00	7.94	883,170.00	1.74	0.00	6.37
Computer Science	3.00	5.26	5,738,865.00	19.65	2.00	3.17	596,558.00	1.18	-25.00	-89.60
Math and Statistics	1.00	1.75	15,000.00	0.05	3.00	4.76	11,685,656.00	23.07	100.00	77799.19
Wellness Center	3.00	5.26	\$69,512.00	0.24	4.00	6.35	\$366,122.00	0.72	25.00	426.70
ADEP	3.00	5.26	\$69,512.00	0.24	4.00	6.35	\$366,122.00	0.72	25.00	426.70
Total	57.00	100.00	29,199,167.00	100.00	63.00	100.00	50,650,007.00	100.00	10.34	73.46

Proposals Awarded

Schools & Departments	FY 2001/2002 (rev.)				FY 2002/2003				Percent Change	
	No.	% of Total #	Awards (\$)	% of Total \$	No.	% of Total #	Awards (\$)	% of Total \$	Prop. Award	Amount(\$)
Academic Enhancement	4.00	12.12	3,436,010.00	50.25	1.00	2.78	818,204.00	18.53	-60.00	-76.19
Art, Media, & Music	2.00	6.06	4,000.00	0.06	2.00	5.56	4,500.00	0.10	0.00	12.50
Art	2.00	6.06	4,000.00	0.06	2.00	5.56	4,500.00	0.10	0.00	12.50
Business	1.00	3.03	103,366.00	1.51	0.00	0.00	0.00	0.00	-50.00	-100.00
Career Services	1.00	3.03	5,000.00	0.07	0.00	0.00	0.00	0.00	-50.00	-99.98
Culture and Society	4.00	12.12	35,725.00	0.52	4.00	11.11	120,627.00	2.73	0.00	237.65
English	1.00	3.03	17,625.00	0.26	0.00	0.00	0.00	0.00	-50.00	-99.99
Law and Justice	0.00	0.00	0.00	0.00	1.00	2.78	90,825.00	2.06	100.00	9082500.00
Philo. & Religion	3.00	9.09	18,100.00	0.26	1.00	2.78	1,000.00	0.02	-50.00	-94.47
Political Science	0.00	0.00	0.00	0.00	1.00	2.78	5,486.00	0.12	100.00	548600.00
Psychology	0.00	0.00	0.00	0.00	1.00	2.78	23,316.00	2.79	100.00	2331600.00
CYRD	0.00	0.00	0.00	0.00	1.00	2.78	239,713.00	5.43	100.00	23971300.00
Education	8.00	24.24	2,350,110.00	34.37	9.00	25.00	1,832,551.00	41.49	11.11	-22.02
Career Equit. Asst. Cntr.	1.00	3.03	500,000.00	7.31	1.00	2.78	425,000.00	9.62	0.00	-15.00
EASE	1.00	3.03	133,050.00	1.95	1.00	2.78	10,000.00	0.23	0.00	-92.48
EECE	1.00	3.03	19,978.00	0.29	0.00	0.00	0.00	0.00	-50.00	-99.99
Health & Ex. Science	1.00	3.03	2,000.00	0.03	1.00	2.78	25,000.00	0.57	0.00	1149.43
Lang. & Comm.	0.00	0.00	0.00	0.00	1.00	2.78	58,727.00	1.33	100.00	5872700.00
Special Education	2.00	6.06	899,332.00	13.15	2.00	5.56	964,314.00	21.83	0.00	7.23
Engineering	4.00	12.12	375,233.00	5.49	8.00	22.22	413,663.00	9.37	80.00	10.24
Engineering	2.00	6.06	191,880.00	2.81	2.00	5.56	123,290.00	2.79	0.00	-35.75
Tech. Studies	2.00	6.06	183,353.00	2.68	6.00	16.67	290,373.00	6.57	133.33	58.37
Global Studies	1.00	3.03	20,000.00	0.29	0.00	0.00	0.00	0.00	-50.00	-100.00
Governor's School	0.00	0.00	0.00	0.00	2.00	5.56	428,000.00	9.69	200.00	4280000.00
NJGBI	0.00	0.00	0.00	0.00	1.00	2.78	33,600.00	0.76	100.00	336000.00
Nursing	2.00	6.06	41,662.00	0.61	0.00	0.00	0.00	0.00	-66.67	-100.00
SBDC	0.00	0.00	0.00	0.00	2.00	5.56	226,734.00	5.13	200.00	22673400.00
Science	3.00	9.09	397,262.00	5.81	3.00	8.33	229,760.00	5.20	0.00	-42.16
Biology	1.00	3.03	218,710.00	3.20	1.00	2.78	126,396.00	2.86	0.00	-42.21
Computer Science	2.00	6.06	178,552.00	2.61	0.00	0.00	0.00	0.00	-66.67	-100.00
Math. & Stat	0.00	0.00	0.00	0.00	1.00	2.78	99,864.00	2.26	100.00	9986400.00
Wellness Center	3.00	9.09	69,512.00	1.02	3.00	8.33	69,101.00	1.56	0.00	-0.59
ADEP	3.00	9.09	69,512.00	1.02	3.00	8.33	69,101.00	1.56	0.00	-0.59
Total	33.00	100.00	6,837,880.00	100.00	36.00	100.00	4,416,453.00	100.00	8.82	-35.41

SOSA Awards 2002-2003

Adler	Rachel	Soc. and Anthropology	"Chambersburg Immigration Project"
Allyn	Anita	Art	"Stone Femme Video Project"
Becker	Martin	Physics	"The Microvertebrate Paleontology of Red Ant Debris Mounds in the Upper Cretaceous, Fairpoint Member of Enning, South Dakota"
Bennett	Juda	English	"In the Diamond State: A Novel"
Blake	David	English	Book Manuscripts: "Writing on the Republic: Walt Whitman and the Poetics of American Celebrity" and "The Culture of Confession: American Poetry in the Age of
Boughn	Susan	School of Nursing	"Trichotillomania (TTM) and Efficacy of Treatment"
Bradley	Lynn	Chemistry	"New Synthetic Routes to Heterocyclic Compounds: Rearrangement Reactions of Silyl Ketones" and "Mechanistic Studies of the Metalation/Substitution Reactions of Benzamide Compounds"
Carney	Jo	English	"Shakespeare and the Literary Tradition of the Fairy Tale"
Chiang	Bea	School of Business	Project with <i>Industrial Union Home for Children</i>
Clifford	Andrew	Math & Statistics	"Combinatorial Group Theory: Equations Over Groups"
Compte	Deborah	Modern Languages	"Zoraida/Zelima: 'Passing' and 'Cultural Cross-Dressing' in Seventeenth Century Spain"
Fichner-Rathus	Lois	Art	Wadsworth publications of "Understanding Art, 6th ed." and "The Essential History of Art"
Graham	Jean E.	English	"Women as Racial Other in Early Modern British Literature"
Gray	Janet	Women's & Gender Studies	"Pedagogies of Difference"
Greenbaun	Nicholas	Math & Statistics	"Dynamical Characterization of Human Cognitive ERP (Event Related Potentials)"
Grega	Lisa M.	Engineering	"Development of an Experimental Fluid Mechanics Research Lab for the Study of Turbulent Flows"
Hall	Ruth	Psychology	"The African American Women's Experience"
Hingston	Nancy	Math & Statistics	"Periodicity in Mathematical Systems"
Hoffman	Jay	Health & Ex. Science	"Assessing Oxygenation of Hemoglobin and Myoglobin in Active and Resting Tissue"
Huang	Jinmo	Chemistry	"Analytical Method Development for Efficient Determination of Homocysteine in Plasma"
Huguet-Jerez	Marimar	Modern Languages	"Exploring Postmodern Trends in Catalonian Theater"
Hustis	Harriet	English	"Verbal Vengeance: Male Hysteria and the Gothic of American Masculinity"
Johnson	Lorna Ann	Commun. Studies	"Freedom Road" documentary
Kang	Jie	Health & Ex. Science	"Comparison of energy metabolism during aerobic exercise of constant and variable intensity"
Knobler	Adam	History	"Communication Across Boundaries of Culture, Class, and Distance: Mythology, History and Music as Cultural Discourse"

Le Morvan	Pierre	Philosophy and Religion	"Research into the Nature of Perception, Mind, and Knowledge"
Leynes	P. Andrew	Psychology	"The Cognitive Neuroscience of Source Monitoring"
Li	Rebecca S.K.	Sociology and Anthro.	"Comparisons of the demographic, geopolitical, and economic changes experienced by Russia before and after the collapse of the Soviet Union"
Lindberg	Claire	School of Nursing	"Studies of Adolescent Health and Women's Reproductive Health"
McCarty	John A.	School of Business	"Scholarly Research: Culture and Consumption; Measurement and Survey Research: Coordination of Marketing Communications"
Miranda	Ricardo J.	Art	"The Cargo Load"
Morrison	Janet A.	Biology	"Plants, Pathogens, and Pests: The Ecology of Biological Interactions in Natural Populations"
Nicolosi	Ann Marie	Women's and Gender Studies	"Beauty, Body and Politics: Comparisons of Female Imagery in the First and Second Waves"
Norvell	Amanda	Biology	"The role of the Squid protein in axial patterning during <i>Drosophila melanogaster oogenesis</i> "
Nouri	Hosseini	Accounting	"Marketing Assurance Services"
O'Connell	Marcia L.	Biology	"Molecular regulation of development in <i>Danio rerio (zebrafish)</i> "
Ortiz	Lisa M.	English	"Decolonizing History: Unraveling Cultural and Family Genealogy in the Novels of Michelle Cliff"
Pelham	Alfred	School of Business	"Mediating and Moderating Influences on the Relationship between Market Orientation and Performance"
Preti	Consuelo	Philosophy	"Meaning and Truth"
Reimer	David W.	Math & Statistics	"Unification of Hypercube Theory"
Robertson	Michael	English	"Worshipping Walt: The Whitman Disciples"
Rosman- Askot	Adriana	Modern Languages	"Strategies of Resistance: Women Writers Resurrecting, Reconstructing, and Representing the Nation"
San Pedro	Teresa	Modern Languages	"20th Century Hispanic Female Dramatists"
Sepahpour	Bijan	Engineering	"Mechanics of Materials and Dynamics of Machinery"
Shanklin	Eugenia	Sociology and Anthro.	"Revisiting Lake Nyos and Rethinking Racism"
Steele	Felicia	English	"Histories of the English Language: Linguistic, Local, and Literary"
Steinberg	Glenn	English	"Chaucer, Spenser, and Lydgate"
Strassman	Barbara	Education	"Read Aloud: A Best Practice"
Thompson	Deborah L.	Elem & Early Childhood	"Influential factors of Children's Literacy"
Vandegrift	Donald	Economics	"Theoretical Research in Economics of Law"
Vincelette	Joyce	School of Business	"Strategic Management Case Research"
Vivona	Jeanine M.	Psychology	"Investigations of Transformative Mental Processing"
Wong	Jean	Lang. & Com. Sciences	"Interactional Practices in Native/Nonnative Speaker English Conversation"
Woodford	Mark S.	Counselor Education	"Indicated Prevention Programs for Substance Abuse among College Students"
Wright	Simona	Modern Languages	"Italian Women Writers to Postmodernism, from Contemporary Italian Poetry to the Poetics of Post-Colonialism"
Zheng	Qifu	Math & Statistics	"Determinants of Period Matrices and Applications"

Mini Grant Project List

Fall 2002

Culture & Society

Clydesdale, Timothy T.	Longitudinal study of how American youth make the transition from high school to early adulthood	\$1,000.00
Fisher, Christopher T.	Study the relationship between Ewing and its 79-acre GM plant	\$1,000.00
Hall, Ruth L.	Pieces of the Quilt: Intersections of the African American Woman's Experience	\$1,000.00
Ismail, Mohamoud M.	Explore how conflict in one country manifests itself in another part of the world as a result of immigration	\$400.00
McCook, Stuart	Study the history of epidemic diseases of cacao in early 20th century Ecuador	\$220.00
Rosman-Askot, Adriana	"The Argentine Woman Writer and the Discourse of 'Re-organizacion nacional'"	\$1,000.00

Education

Hoffman, Jay	Effects of a highly stressful and intense nature of football training camp on physiological and hormonal indices of stress	\$1,000.00
Woodford, Mark S.	Provide outcome assessments for current ADEP programs and implement and assess an empirically supported alternative called BASICS	\$600.00

Spring 2003

Business

Chiang, Bea	Management accounting research on benchmarking in the healthcare arena	\$500.00
McCarty, John A.	Understanding how people make evaluative judgements	\$695.00
Pelham, Alfred M.	Consulting Oriented Sales Management, salesperson consulting activities, and related constructs	\$1,000.00

Culture & Society

Ball, William	Deliberative Democracy Project	\$1,000.00
Bledsoe, Katrina	Research on the effects of persuasion and source credibility on the development of attitudes, and attitude change	\$1,000.00
Brecher, Elyn	Study of unstructured interviews: how they may result in discrimination and biases	\$1,000.00
Gross, Jo-Ann	The historical, ethnographic, and architectural history of the shrines of Tajikistan	\$900.00
Johnson, Loma Ann	<i>Freedom Road</i> documentary	\$1,000.00
Kenen, Regina	Develop a Family Support Handbook for SMS families (genetic disorder) through the implementation of a listserv support group	\$1,000.00
Paces, Cynthia	Attend the NCCTRW's 2003 Croatia Summer Institute entitled: <i>Comparative Perspectives on Gender, Race, Ethnicity and Nation in Post-Socialist Societies and the United States.</i>	\$350.00
Paparozzi, Mario A.	Policy implications of parole boards and of the appointment of individuals with varied backgrounds to serve as parole board members.	\$1,000.00
Payne, Allison Ann	Create a Criminological Structural Equation Model to be used for statistical analyses to model complex structural equations in articles to be submitted to peer-reviewed journals.	\$605.00
Peterson, Derek	Research of the history of the East African Revival	\$1,000.00
Tarter, Michele Lisa	Travel to England to research primary sources on Witches and Witch hunts	\$1,000.00
Education		
Kang, Jie	Comparisons of thermoregulatory and cardiovascular responses during prolonged exercise in males and females	\$1,000.00
Strassman, Barbara	A study of educational practices used with deaf or hard of hearing students	\$1,000.00

Enterprise Programs 2003

School	Department	Project Title	Project Director, Last	First	FY 03 Revenue
Art, Media, & Music	Art	Art Graph Lab/ Tektronix	Miller	Ruane	\$8,357.50
Art, Media, & Music	Kendall	Kendall Revenue	Potucek	Kevin	\$38,049.65
Art, Media, & Music	Kendall	Theatre Production	Parrish	Robert	\$19,094.22
Art, Media, & Music	Music	Graduate Music Fees	Hickman	Suzanne	\$19,568.00
Art, Media, & Music	Music	Music Dept./Music Fee	Hickman	Suzanne	\$33,384.57
<i>Art, Media, & Music Totals</i>					<i>\$118,453.94</i>
Business	Business	Non Profit Mgmt Development	Sanyal	Rajib	\$18,000.00
Business	Business	LEAD NJ	Prensky	David	\$9,750.00
<i>Business Totals</i>					<i>\$27,750.00</i>
Culture & Society	Communication Studies	TV/Radio Center	Maarberg	Robert	\$3,187.75
Culture & Society	Communication Studies	NJ Communication Association	Pollock	John	\$4,030.00
Culture & Society	English	Writer's Conference	Hollander	Jean	\$17,813.00
Culture & Society	Law & Justice	College Tobacco Study	Krimmel	John	\$3,100.00
<i>Culture & Society Totals</i>					<i>\$28,130.75</i>
Education	Elementary Education	EIRC	Hinitz	Blythe	\$10,000.00
Education	Health & Exercise Science	Strength & Condition Sym.	Hoffman	Jay	\$7,200.00
Education	Lang. & Comm. Sciences	Speech/Language Clinic	Blair- Larsen	Susan	\$3,603.00
Education	Special Ed	CAITIES	Dell	Amy	\$18,408.00
Education	STEP/PDSN	PDSN	Bartoletti	Robert	\$76,145.00
<i>Education Totals</i>					<i>\$105,356.00</i>
Engineering	Design & Tech	PTC Program	Todd	Ronald	\$94,358.29
Engineering	Design & Tech	Design & Tech Initiative	Todd	Ronald	\$1,200.00
Engineering	Tech Studies	Technology Workshops	Karsnitz	John	\$5,550.00
Engineering	Tech Studies	NJSSI Phase II Year 2	Weber	Robert	\$13,899.90
Engineering	Tech Studies	NJSSI Grad Credit Course	Weber	Robert	\$11,400.00
Engineering	Tech/TIES	TSA Income	Harms	Henry	\$8,775.00
Engineering	Design & Tech	Project Update	Todd	Ronald	\$40,844.50
Engineering	Design & Tech	Exploring Design & Engineering	Todd	Ronald	\$25,390.00
Engineering	TIES	TIES Magazine	Todd	Ronald	\$80,302.00
<i>Engineering Totals</i>					<i>\$281,719.69</i>
Nursing	Nursing	Nursing Fac Practice	Bakewell-Sachs	Susan	\$39,123.30
<i>Nursing Totals</i>					<i>\$39,123.30</i>
Science	Biology	MCAT Prep Program	Shevlin	Dennis	\$5,400.00
Science	Physics	Physics/Royalties	Hiack	Paul	\$927.00
<i>Science Totals</i>					<i>\$6,327.00</i>
TCNJ-Other	Academic Affairs	Credit by Exam	Fogarty	Ellie	\$5,595.00
TCNJ-Other	College Bound	College Bound	Chambers	James	\$8,298.59
TCNJ-Other	Graduate Studies	ETS Teacher Assessment	Cooper	Frank	\$24,360.00
TCNJ-Other	Graduate Studies	TCNJ Regional Training Center	Cooper	Frank	\$511,999.00
TCNJ-Other	Library	Library Copying Income & Exp.	Pavlovsky	Taras	\$23,463.56
TCNJ-Other	Library	Lost Books	Pavlovsky	Taras	\$9,638.65
TCNJ-Other	Library	Inter Library Loans	Cobb	Judy	\$1,386.32
TCNJ-Other	Library	Library/Periodic Sales	Pavlovsky	Taras	\$175.00
TCNJ-Other	SBDC	Small Business Devlpmnt Cntr	Allen	Lorraine	\$6,817.93
TCNJ -Other	NJ GBI	Global Business Initiative	Hanson	Keld	\$6,594.00
<i>TCNJ-Other Totals</i>					<i>\$592,733.05</i>
GRAND TOTALS					\$1,199,593.73

Independent Student Research

Focus of New Initiative at TCNJ



The Office of Academic Grants and Sponsored Research is currently looking into ways to encourage undergraduate students to pursue independent research projects that could ultimately lead to publication in *The College of New Jersey Journal of Student Scholarship* or other professional journals. Several faculty already include undergraduates on their projects, and this provides students with an excellent opportunity. However, the goal of this program will be to support students in pursuing their own personal areas of interest, and then to match them with faculty interested in acting as their research mentors. We welcome your suggestions as to how to most effectively implement this new initiative.

The College of New Jersey
Office of Academic Grants and Sponsored Research
P.O. Box 7718
Ewing, NJ 08628-0718

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