

Spirit of INNOVATION

Research, Creativity and Commercialization News

OFFICE OF RESEARCH ADMINISTRATION NEWSLETTER May 2007 (Volume VI, No. 11)

The **Office of Research Administration** supports and advocates research and technology transfer by faculty, graduate students and staff. The ORA provides services in conjunction with external and internal sources of funding for research, along with services related to commercializing discoveries through technology transfer. The goal of this newsletter is to inform the campus community of grants received, to highlight the accomplishments of our faculty, graduate students and staff, and to share with you a calendar of important events and deadlines. Please direct any comments or questions regarding the newsletter to Tamara Wilgers (wilgerst@umsl.edu).

RECENT AWARDS

EXTERNALLY FUNDED AWARDS, March 2007

March 2007 External Funding Where it Came From	
Association	\$76,700
Corporation	\$137,341
Federal	\$376,900
Foundation	\$0
Other University	\$112,970
State of Missouri	\$20,682
TOTAL	\$724,593

March 2007 External Funding Where it's Going	
Other Sponsored Activity	\$156,463
Instruction	\$0
Research	\$568,130
Student Financial Aid	\$0
TOTAL	\$724,593

Marvin Berkowitz, Victor Battistich and Melinda Bier, Educational Psychology, awarded \$137,341 for "Buffalo PCEP Proposal Evaluation" by the Every Person Influences Children (EPIC) Group.

Alexei Demchenko, Chemistry, awarded \$71,500 for "Synthesis and evaluation of novel Lipid-A derivatives" by the American Heart Association.

Jerry Dunn, Child Advocacy Center and Psychology, awarded \$5,682 for "Sexual Assault Victim Services for Child Sexual Abuse Victims" by the Missouri Department of Health and Senior Services.

Thomas George, Chancellor, awarded \$67,757 for "Diamond-Like and Self-Assembling Organic Nanostructures: Measurement and Simulation of Intermolecular Interactions and Structural Characteristics" by the Army Research Office.

George Gokel, Center for Nanoscience and Chemistry, awarded \$294,903 for "Dynamics and Biology of Synthetic Cation Channels" by the National Institutes of Health.

Charles Granger, Biology and Education, awarded \$5,200 for "Research and Engineering Apprenticeship Program" by the Academy of Applied Science.

Sharon Levin and Anne Winkler, Economics, awarded \$112,970 for "The Diffusion of Information Technology Across Institutions of Higher Education: Effects on Productivity by Type of Institution and Gender" by the Georgia State University.

Robert Marquis and Nicholas Barber, Biology, awarded \$8,240 for "Effects of avian predation on canopy and understory leaf-chewing arthropods on mature White Oak (*Quercus alba*)" by the Environmental Protection Agency.

Robert Ricklefs, Biology, awarded \$6,000 for "THE LIFE HISTORY PHYSIOLOGY NEXUS-CONSTRAINTS ON THE EVOLUTIONARY DIVERSIFICATION OF AVIAN LIFE HISTORIES - REU SUPPLEMENT" by the National Science Foundation.

Vicki Sauter, Center for Transportation Studies and Business, awarded \$15,000 for "Best Practices for Intelligent Transportation Systems (ITS) Equipment." by the Missouri Department of Transportation.

Total Awarded: \$724,593

Quarterly External Awards Report, 3Q FY2007

CSD	Department	No. of Awards	Amount Awarded (\$)
	Center for International Studies	1.00	5,000
	<i>Center for International Studies</i>	1.00	5,000
	Chancellor-Special Units	1.00	67,757
	<i>Special Units Chancellor</i>	1.00	67,757
	College of Arts & Sciences	11.20	348,258
	<i>Biology</i>	4.00	104,949
	<i>Chemistry</i>	1.70	78,493
	<i>Child Advocacy Center</i>	3.00	27,680
	<i>Economics</i>	1.00	112,970
	<i>History</i>	0.50	6,166
	<i>Mathematics & Computer Science</i>	1.00	18,000
	College of Business Administration	4.00	209,366
	<i>Center for Transportation Studies</i>	4.00	209,366
	College of Education	3.80	300,917
	<i>Educational Psychology</i>	3.00	291,754
	<i>Teaching & Learning</i>	0.80	9,163
	Graduate School	1.00	107,078
	<i>Graduate School</i>	1.00	107,078
	KWMU Radio	1.00	2,500
	<i>KWMU FM Radio</i>	1.00	2,500
	Public Policy Research Centers	3.00	461,917
	<i>Public Policy Research Centers</i>	3.00	461,917
	VP Research	1.00	294,903
	<i>Center for Nanoscience</i>	1.00	294,903
	Grand Total	27.00	1,797,696

Where It Came From (3Q, FY07)	
Sponsor Type	Amount Awarded (\$)
<i>Association</i>	94,190
<i>Corporation</i>	259,239
<i>Federal</i>	492,409
<i>Foundation</i>	99,006
<i>MO Local Government</i>	434,249
<i>Other University</i>	228,845
<i>State of Missouri</i>	189,758
Grand Total	1,797,696

Where It's Going (3Q, FY07)	
Purpose	Amount Awarded (\$)
<i>Instruction</i>	97,875
<i>Other Sponsored Activities</i>	370,768
<i>Research</i>	1,329,053
Grand Total	1,797,696

- Breast Cancer Research Program Synergistic Idea Award
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13430>
- Ovarian Cancer Research Program (OCR) Translational Research Partnership
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13429>
- Prostate Cancer Research Program Synergistic Idea Development Award
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13431>

Department of Education (ED)

- EU-U.S. Atlantis Program CFDA 84.116J Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13369>
- High School Equivalency Program CFDA 84.141A Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13341>
- Technology and Media Services for Individuals with Disabilities Program CFDA 84.327W Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13694>

Department of Energy (DOE)

- Future Generation Photovoltaic Devices and Processes Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13405>
- Renewable and Distributed Systems Integration Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13657>
- Secure Control Systems for the Energy Sector Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13656>
- Support of Advanced Coal Research at U.S. Colleges and Universities Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13664>

Department of Health and Human Services (HHS)

Administration for Children and Families

- Child Care Research Scholars Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13623>
- Demonstration Grant Program-Mentoring Children of Prisoners-Vouchers Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13713>
- Discretionary Funds for Refugee Microenterprise Development Projects Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13397>
- Domestic Violence/Runaway and Homeless Youth Collaboration on the Prevention of Adolescent Dating Violence Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13663>
- Mentoring Children of Prisoners
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13401>
- Projects of National Significance: Ongoing Data Collection Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13668>
- Runaway and Homeless Youth Training and Technical Assistance Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13665>
- Secondary Analysis of Head Start Data Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13712>

Administration on Aging

- National Center on Elder Abuse
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13448>
- Unsolicited Applications <http://www.grants.gov/search/search.do?mode=VIEW&oppId=13498>

Agency for Healthcare Research and Quality

- AHRQ Grant Program for Large Conference Support (R13) and (U13)
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9264>
- AHRQ Small Research Grant Program (R03)
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9855>

Centers for Disease Control and Prevention

- Developing an Agenda for Laboratory Practice Research Based on the 2007 Institute: Managing for Better Health Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13330>
- National Health Organization Strategies to Provide Information and Education for Cancer Survivors with respect to Hematologic Cancers Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13488>
- New Investigation Initiatives for the Prevention of Complications of Thalassemia (U01) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13377>

Health Resources & Services Administration

- Geriatric Education Centers Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13437>
- Maternal and Child Health Research Program
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13250>
- Rural Policy Analysis Cooperative Agreement
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13534>

National Institutes of Health

- AIDS International Training and Research Program (D43) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13328>
- AIDS-Science Track Award for Research Transition (R03) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13339>
- Bioengineering and Obesity (R01) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13501>
- Centers for Neurodegeneration Science (CNS) (P01) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13392>
- Clinical Cancer Therapy and Prevention Research (R01) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13531>
- Collaborative Neurological Sciences (CNS) Award (S11) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13568>
- Collaborative Studies on Systems Biology of Complex Phenotypes (R01) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13612>
- Developing And Improving Institutional Animal Resources (G20) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13286>
- Exploratory Cancer Prevention Studies Involving Molecular Targets for Bioactive Food Components (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13599>
- George M. O'Brien Kidney Research Core Centers (P30) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13614>
- Global Network for Women's and Children's Health Research (U01) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13643>
- Grants for Basic Research in Glomerular Diseases (R01) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13633>
- Improving Heart Failure Disease Management (R01) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13508>
- Innovations in Biomedical Computational Science and Technology (R01) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13270>
- Mechanism for Time-Sensitive Research Opportunities (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13276>
- Molecular Mechanisms of Development and Reversal of Alcohol-Induced Liver Fibrosis (R01) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13579>
- National Institutes of Health Rapid Access to Interventional Development (NIH-RAID Pilot) (X01) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13572>
- New Approaches for the Prevention and Treatment of Necrotizing Enterocolitis (R01) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13332>
- NIBIB Research Revisions to Promote Clinical Resident Research Experiences (Revisions to Currently Active NIBIB R01 and R37 Grants) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13616>
- NIBIB Research Supplements to Promote Clinical Resident Research Experiences (Supplements to Currently Active NIBIB P01, P41, P50, U01, U54 Grants) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13615>
- NIDA Mentored Clinical Scientists Development Program Award in Drug Abuse and Addiction (K12) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13293>
- Pre-application for Cheminformatics Research Centers (X02) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13500>
- Pre-application for the Molecular Libraries Probe Production Centers Network (MLPCN) [X02] Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13704>
- Prevention of Trauma Related Adjustment and Mental Disorders in High-Risk Occupations (R01) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13489>
- Prevention of Trauma Related Adjustment and Mental Disorders in High-Risk Occupations (R34) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13490>
- Psychosocial/Behavioral Interventions and Services Research in Autism Spectrum Disorders (R34) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13257>
- Short-Term Research Education Program to Increase Diversity in Health-Related Research (R25) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13368>

- Specialized Programs of Translational Research in Acute Stroke (SPOTRIAS) for Year 2007 (P50) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=13360>

Office of Public Health and Science

- 2007 Prevention and Support Services for Women Incarcerated or Newly Released Living With or at Risk for HIV/AIDS/STDs
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13482>
- 2007 Prevention of HIV/AIDS in Women Living in the Rural South Program
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13484>
- 2007 Public Awareness of Embryo Donation and/or Adoption Public Awareness Campaign
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13434>
- Advancing System Improvements to Support Targets for Healthy People 2010 (ASIST2010) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13594>
- Announcement of Availability of Funds for Adolescent Family Life (AFL) Demonstration Projects Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13326>
- Announcement of Availability of Funds for Adolescent Family Life (AFL) Demonstration Projects
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13326>
- Announcement of Availability of Funds for Adolescent Family Life (AFL) Demonstration Projects
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13326>

Department of Homeland Security (DHS)

- DHS Scientific Leadership Awards for Minority Serving Institutions Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13372>
- Office for Interoperability and Compatibility: Outreach, Education, and Technical Assistance for Public Safety Interoperability Efforts—Technical Services Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13609>
- University Research in Homeland Security Science & Technology Mission Areas
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13125>

Department of Justice (USDOJ)

- NIJ FY07 Forensic Science Training Development and Delivery Program Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13540>
- NIJ FY07 Operations Research Applied to Law Enforcement Operations Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13585>
- NIJ FY08 Data Resources Program: Funding for the Analysis of Existing Data Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13374>
- NIJ FY08 Graduate Research Fellowship Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13355>
- NIJ FY08 W.E.B. Du Bois Fellowship Program
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13450>

Department of State (DOS)

Bureau of Educational and Cultural Affairs

- FELLOWSHIPS IN THE VISUAL ARTS, FILM, AND ARCHITECTURE AND URBAN DESIGN Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13593>
- International Visitor Leadership Program Assistance Awards Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13591>
- The Indonesia English Language Study Program Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13371>

Department of the Interior (DOI)

Bureau of Land Management

- Black-Backed Woodpecker Monitoring Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13565>
- Grassland Bird Surveys in MT Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13559>
- Visual Resource Inventory Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13629>

U. S. Fish and Wildlife Service

- Endangered Species Recovery Program Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13666>
- Recovery Program Funding Opportunities Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13688>

U. S. Geological Survey

- National GAP Analysis Program Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13507>

Department of Transportation (DOT)

- BROAD AGENCY ANNOUNCEMENT FOR DEMONSTRATION PROJECTS AND TECHNOLOGY ADVANCEMENTS FOR RAILROAD RESEARCH AND DEVELOPMENT PROGRAM Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13487>

Environmental Protection Agency (EPA)

- Indoor Environments: Reducing Public Exposure to Indoor Pollutants Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13627>
- Strategic Agricultural Initiative: FY07 Request for Proposals
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13617>
- Training Workshops for Wastewater Management Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13628>

Institute of Museum and Library Services (IMLS)

- Web Wise Conference Cooperative Agreement
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13542>

National Aeronautics and Space Administration (NASA)

Research Opportunities in Space and Earth Sciences - 2007 (ROSES-2007)

- Astrophysics Data Analysis
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13298>
- Atmospheric Composition: Aura Science Team Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13296>
- Cryospheric Science Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13503>
- Geospace Sciences Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13646>
- Heliophysics Theory Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13297>
- Mars Fundamental Research Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13580>
- Mars Instrument Development Project Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13299>
- Sample Return Laboratory Instruments and Data Analysis Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13295>
- Space Archaeology Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13652>

National Archives and Records Administration (NARA)

- Publication Subventions Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=13692>

National Council on Disability (NCD)

- The Current State of Health Care for Americans with Disabilities Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13650>
- The Vocational Rehabilitation Act: Transition Outcomes and Effects Grant, Pre-release notice
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13391>

National Endowment for the Arts (NEA)

- NEA International Literary Exchange Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13555>

National Endowment for the Humanities (NEH)

- Humanities Collections and Resources Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13543>
- Summer Stipends <http://www.grants.gov/search/search.do?mode=VIEW&oppId=13632>

National Science Foundation (NSF)

- ACCELERATING DISCOVERY IN SCIENCE AND ENGINEERING THROUGH PETASCALE SIMULATIONS AND ANALYSIS Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13644>

- Advancing Theory in Biology Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13351>
- Engineering Virtual Organization (EVO) Grants Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13383>
- NSF GRADUATE TEACHING FELLOWS IN K-12 EDUCATION Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13347>
- Nuclear Physics Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=13645>
- Research Experiences for Teachers (RET) in Engineering Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13350>
- Research Initiation Grants and Career Advancement Awards to Broaden Participation in Biology Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=13687>
- Research to Aid Persons with Disabilities
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=11469>

NEW ANNOUNCEMENTS: FOUNDATIONS & OTHER: DEADLINE MEMO

<http://www.grantadvisor.com/tgaplus/saved.pdf>

GRANT SUBMISSION POLICY

PeopleSoft Signature Routing Sheet (PSRS)

Must be delivered to the Office of Research BEFORE the grant will be submitted. Applies to any grant being submitted to any agency. Must include ALL signatures (all PIs Co-PIs, Dept. Chairs, Deans of each person, dept, and/or school who has time/resources committed through direct costs or cost sharing/match).

Budgets: SUBMIT YOUR BUDGET TO GINNY SCHODROSKI TWO WEEKS PRIOR TO SUBMISSION DEADLINE. Large or complex budgets should be finalized a week before submission so that the PSRS can be prepared and routed for ALL required signatures. Proposal review time must be allowed before asking someone to commit their unit.

Note: If you are going to be away from the University at the time of submission, you must arrange before leaving to sign the PSRS signature page.

Questions? Contact Ginny Schodroski at 516-5284 or ginny@umsl.edu.

RESEARCH AND COMMERCIALIZATION NEWS

UNIVERSITY OF MISSOURI NEWS

- **Roundtable to Follow Last Month's A-133 Training Sessions**
- **GRANT RESOURCES: HEC-TV, CableTEC Provide Public Awareness Tools**

OTHER NEWS OF INTEREST

- **Patent Reform Act of 2007**
- **High Court Puts Limits on Patents**
- **When Everything Connects: the Coming Wireless Revolution**
- **Talking B-School: At MIT, a Time of Transition**

Roundtable to Follow Last Month's A-133 Audit Training Sessions

During the April 10 workshops on grant audit findings, issues related to effort verification requirements were identified and a follow-up session has been planned to address them. A total of 115 faculty and staff attended the two workshops held last month, which were presented by Susan Eickhoff, partner, KPMG, and Jane Closterman, controller, UM System. (An additional 26 attended the same session held in Columbia in January.) The Office of Research Administration thanks everyone who took the time to attend the important sessions.

A follow-up roundtable session of those who attended the workshops and members of the UM System Controller's office will be held to try to resolve the identified issues with the effort verification reporting form and gain a better understanding of effort verification requirements. For more information, contact Karen Boyd (boyd@umsl.edu). ●

GRANT RESOURCES: HEC-TV, CableTEC Provide Public Awareness Tools

By HELEN L. HEADRICK,
Utilization Coordinator,
HEC-TV/CableTEC

If your project has a public awareness component, you could dramatically increase your chances of success for your grant application by partnering with local education channels.

Partnering with the Higher Education Channel (HEC-TV) and the St. Louis County Cable Television Education Commission (CableTEC) will give your application a unique, innovative element that will make it stand above the competition. HEC-TV's 522,00 viewers, DVD production, web streaming, and direct access to 62 K-12 school districts constitute a dynamic public awareness component for any grant.

HEC-TV's airtime is a quantifiable, readily accepted grant match that can total into the six or seven figures depending upon your need.

The HEC-TV television programs detailing the work produced by your grant are fantastic "public recognition" for your grantor. DVDs of these same broadcasts produced through your grants are excellent "proof of performance" devices to give your grantors. They are also very advantageous for your next grant application.

Unique in the nation, the HEC-TV/CableTEC partnership is changing the face of education in the St. Louis metropolitan area. CableTEC and HEC-TV form a dynamic combination empowering teachers and enabling students to achieve unparalleled success.

Founded in 1981 as a 501(c) (3) non-profit corporation, The St. Louis County Cable Television Education Commission is the leading force in incorporating 21st century technology into education. CableTEC has spearheaded the wiring of every private, public, and parochial school in St. Louis County to be able to receive cable in the classroom and high-speed internet. CableTEC with HEC-TV is now focusing its efforts to enable teachers to create linkages with arts/cultural organizations, aligned with national and state standards, and incorporate educational technology into their lesson plans.

HEC-TV, which receives major funding from CableTEC, reaches 522,000 subscribing households throughout St. Louis City and County and is St. Louis' leading producer of education, arts, and cultural

television programming. HEC-TV is the only television station in the metro area with the mission statement "to strengthen and promote the education, arts, and cultural communities in the St. Louis Metropolitan area." The station is programmed by the Higher Education Consortium, which is composed of the eleven colleges and universities and sixty-two cooperating school districts in the metro area. Our Board of Directors is comprised of the Presidents and/or Chancellors of these member institutions. Member institutions award, on average, fifty thousand college credit hours annually through telecourses. Thirty-eight thousand students are registered to watch our foreign language programs to strengthen their language studies. HEC-TV broadcasts programs in 12 languages. ●

For more information, contact:

Dennis Riggs
Executive Director
HEC-TV/CableTEC
314-531-4455
director@hectv.org

Helen L. Headrick
Utilization Coordinator
HEC-TV/CableTEC
314-432-3476
helen@showmecable.org

Patent Reform Act of 2007

Apr 18, 2007

Excerpted from "Patently-O"

By DENNIS CROUCH

On April 18, 2007, bipartisan legislators in both the Senate and House of Representatives introduced sweeping patent reform measures in legislation termed the **Patent Reform Act of 2007**. The reform measures include the following provisions:

- First-to-file rights and elimination of interference proceedings;
- Reform to make it easier to file a patent application without the inventor's cooperation;
- Limitation of damages to only the economic value of the improvement as compared to the prior-art;
- Specific limitations on when damages may be trebled for willfulness;
- Post-grant opposition proceedings with a reduction in the litigation estoppel effect;
- Limitations on patent venue;
- Authority to the PTO director to create further regulations.

Although couched in terms of the importance of patents and patent quality, the thrust of many of the measures are clearly directed at "limiting litigation abuses." Although a detailed analysis has not been completed, the two versions appear virtually identical.

Legislative Documents:

- Download SENATE Version of the Bill:
<http://www.patentlyo.com/patent/files/PatentReform2007.SENATE.pdf>
- Download HOUSE Version of the Bill:
<http://www.patentlyo.com/patent/files/PatentReform2007.HOUSE.pdf>

Congressional Players:

- The Senate version was introduced by Senators Leahy, Hatch, Schumar, and Cornyn
- The House version was introduced by Representatives Berman, Smith, Conyers, Coble, Boucher, Godlatte, Zoe Lofgren, Issa, Schiff, Cannon, and Jackson-Lee

●

High Court Puts Limits on Patents

By LINDA GREENHOUSE

Excerpted from The New York Times

April 30, 2007

The Supreme Court, in its most important patent ruling in years, on Monday raised the bar for obtaining patents on new products that combine elements of pre-existing inventions.

If the combination results from nothing more than "ordinary innovation" and "does no more than yield predictable results," the court said in a unanimous opinion, it is not entitled to the exclusive rights that patent protection conveys. "Were it otherwise," Justice Anthony M. Kennedy wrote in the opinion, "patents might stifle, rather than promote, the progress of useful arts."

Because most inventions combine previously known elements, the court's approach to deciding what sort of combination is so "obvious" as to be ineligible for patent protection will have widespread application. The result will be to make patents harder to obtain and defend.

"Granting patent protection to advances that would occur in the ordinary course without real innovation retards progress," Justice Kennedy said. He added that such patents were also undesirable because they might deprive earlier innovations of "their value or utility."

Patent law experts said the ruling created a common sense standard that could have a broad impact. "Nearly every patent that contains a combination of prior ideas is at risk because the court has dramatically broadened the standard of obviousness," said Cynthia Kernick, an intellectual property lawyer at Reed Smith in Pittsburgh.

Judges will have more leeway to dismiss patent infringement lawsuits without requiring a jury trial, and patent examiners, who generally grant patent applications unless they find prior references to the same invention, will now feel freer to deny claims, said Matthew Kreeger, an intellectual property lawyer at Morrison and Foerster in San Francisco.

"And we could see thousands of cases asking the Patent Office to re-examine patents it has already granted," said Mr. Kreeger, who was one of the lawyers who had prepared a brief filed by the Biotechnology Industry Organization in support of the patent. "It doesn't take a lot of resources to ask for a re-examination." To be eligible for a patent, an invention must be novel, useful and not "obvious" to a person of "ordinary skill" in the field. The Supreme Court case concerned a fairly typical dispute over whether a combination of old elements in a new way was new or simply "obvious" to any expert.

At issue was an adjustable gas pedal for use on cars and trucks equipped with electronic engine controls. How could the vehicle's computer tell the pedal's position? A Canadian company, KSR International, under contract to General Motors, solved the problem by mounting an electronic sensor at the pedal's fixed pivot point in order to communicate the necessary information.

A rival, Teleflex Inc., demanded royalties, claiming the device infringed its patent on an adjustable gas pedal equipped with an electronic sensor. KSR refused to pay on the ground that Teleflex had combined existing elements in an obvious manner and that its patent was therefore invalid. KSR won in Federal District Court in Detroit, but that decision was overturned in 2005 by the United States Court of Appeals for the Federal Circuit. ● READ MORE:

http://www.nytimes.com/2007/05/01/business/01bizcourt.html?_r=1&th&emc=th&oref=slogin%20

When Everything Connects: the Coming Wireless Revolution

Excerpted from The Economist

April 28 - May 4, 2007

(Editor's Note: The Economist featured a 14-page report on telecoms. The complete report is also available in the print edition and online at <http://www.economist.com>. The Economist online requires a subscription. "Spirit of Innovation" will feature excerpts from the report over the next few months.)

A World of Connections: New wireless technologies will link not just people but lost of objects too.

In the years to come, wireless communications will increasingly become part of the fabric of everyday life. David Clark, a computer scientist at the Massachusetts Institute of Technology who helped

develop the internet, believes that in 15 or 20 years' time the network will need to accommodate a trillion devices, most of them wireless. To illustrate what that world might be like, Robert Poor, the co-founder of two wireless companies, Adozu and Ember, uses a modest example: light fixtures in buildings. If every one of them contained a small wireless node, people would not only be able to control the lighting more effectively but put them to many other uses too. If the nodes were programmed to serve as online smoke detectors, they could signal a fire as well as show its location. They could also act as a security system or provide internet connectivity to other things in the building.

Such applications are already being developed. For instance, Philips, an electronics firm, plans to introduce wirelessly controlled lighting systems for commercial buildings in around five years' time. And its researchers are working on making networked light fittings capable of monitoring the objects throughout a building, tracking equipment in hospitals or preventing theft in offices.

For all the excitement, it will be a while before machine-to-machine (M2M) communications and sensor networks become ubiquitous. Although the technology exists, different approaches do not as yet work well together.

Still, the general direction is clear. In the years ahead new wireless technologies will appear in a plethora of devices, much as computer chips did in the second half of the 20th century.

Marconi's Brainwave: Wireless technology is advancing by leaps and bounds--but there is much more to come.

When Guglielmo Marconi was granted patents on his "wireless telegraph" in 1897, the future of his invention looked modest. At the time radio signals could travel only a few kilometres, and only one receiver and transmitter could operate in any one area. Since 1900 "spectrum efficiency"--the amount of information that can travel over the same portion of radio waves--has improved perhaps a trillion times, estimates Martin Cooper of ArrayComm, who is hailed as the father of the mobile phone.

Just as a milestone was reached in 1998 when the volume of global internet traffic through America overtook voice traffic, so a turning point will come when devices connected to the network overtake people, whether in number, bandwidth or calls. This may happen sooner than expected.

Oddly enough, it is the success of mobile phones that has fueled the rise of wireless communications among objects rather than people, promoting innovation and bringing down prices.

Overcoming Hang-ups: Mobile operators have more high-speed networks than they know what to do with.

From a glass office on the 32nd floor of Samsung's R&D centre, an hour's drive from Seoul, the site of a huge property development known as "Ubiquitous City" is visible in the distance. Soon its grey concrete foundations will sprout a set of ultra-modern blocks where everything is connected and controlled online. Samsung executives are proud of it because it ties together much of what their company is involved in, from home appliances and consumer electronics to mobile communications. Many other South Korean firms are also taking part, encouraged by the government. Joo Sik Lee, the head of new-business development at SK Telecom, the country's largest mobile operator, explains why such projects are so important. "Everyone already has a mobile phone," he says. "We have to find new business models and new uses."

SK Telecom has introduced mobile-payment technology and is experimenting with health-monitoring devices. It is adding RFID readers to its phones so people can get information about products. It is even co-ordinating activities with its parent company's construction arm to add wireless automation to around 120,000 homes in South Korea this year. For a monthly subscription of about \$5 this will enable residents to check their thermostat, security system and fire alarm and switch their lights on and off from afar.

So far these sorts of wireless systems are relatively basic, admits Kazuo Murano, the president of Fujitsu Laboratories. But they mark the beginning of a new infrastructure that can be extended to many uses, just as new software on a PC enables it to do new things.

For all the industry's lofty visions, it must confront uncomfortable realities. For instance, Samsung and LG, another big South Korean conglomerate, more often link their appliances with cables and power lines than with wireless technology. And for all the wizardry of SK Telecom's home-automation system, people in trials do not seem to use it much. The operator is considering bundling the service

intellectual work in the classroom is worth it. They think it's just important to learn the business basics and buzzwords, network with other students, and get their M.B.A. from a brand-name school.

WSJ: Is Sloan changing to provide more practical value to students and employers?

Dr. Schmalensee: We don't want to go back to the 1940s and 1950s when schools had businesspeople come in and just talk about how they solved yesterday's problems. We still want to give students theory and conceptual frameworks to manage and lead people. But we are blending with practitioners more to bridge the gap between theory and practice. We had Jack Welch teaching a class last year, and he proved to be very engaging. A lot of what he talked about related to theory taught in other classes, but Jack doesn't make the connection and we're not sure students do either. He's teaching again this fall, and this time, we will have classes alternate between Jack and a professor, who will be sitting in on Jack's sessions and making the links with what students are learning in other classes.

We have also developed the new course "Practicing Management" to better integrate academic theory with real-world applications. As they do projects and internships, the students should be learning and practicing management just as they would practice tennis or other sports.

WSJ: What other significant academic changes have taken place during your tenure as dean?

Dr. Schmalensee: We have concocted a new flavor of the M.B.A. called Entrepreneurship and Innovation. It's a program focused on launching and developing emerging-technology companies, and it has attracted about a third of the class, who will receive a certificate along with their degree. We also launched a management minor for MIT undergraduates. It's a natural fit for students in science and engineering planning to work in business and has already become the most popular minor on campus.

WSJ: Given the growth of online education, is the Sloan School making any moves in that direction?

Dr. Schmalensee: We looked at Web-based stuff several years ago and did some experiments but decided it wasn't a business we wanted to be in. We're trying to maximize the quality of what we deliver and don't feel going online will help us achieve that. We remain watchful, however, and it's more likely that we would use an online approach in executive education than in a degree program. ●

--end--