



Grants & Research News

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Notes From the Director

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Fall Round of CFR Funding

Proposals for the autumn round of funding from the Council on Faculty Research are due September 7, 2005 at 12:00 Noon. To obtain a copy of the application materials, please contact the Office of Grants and Research at 581-2125, or email csbjg2@eiu.edu, or click on the online form link on the OGR website. For a full announcement, see page 4 of this news letter.

Undergraduate Research

A group from Eastern attended a recent conference on undergraduate research. In an interview recorded on pages 2-3, Godson Obia, Associate Dean of the College of Sciences, summarizes the conference and some recommendations for Eastern.

New Internal Routing Form

The "pink form" is going away. On August 1, 2005, we will begin using a new internal routing form. The new form is an on-line document with fillable fields; however it still will be signed and submitted as a hard copy. A major feature of the new form is the section that details all committed cost sharing and requires signatures of department chairs and deans. The new form is longer than the pink form, and extra time may be required for collection of signatures. The form can be found on the OGR website under the "forms" section.

Another on-line move: Application for a New Grant Account

The Application for a New Grant Account form is now available online among the forms on the OGR website. The form still will be submitted as a hard copy.

Submissions and Awards

The second quarter of 2005 was an active one for submission of proposals. On pages 4 - 6, notice a listing of proposals submitted and funded.

Bob Chesnut
Director, Grants and Research

“Undergraduate Research: The Future at Eastern Illinois University”

A group from EIU recently attended a conference on undergraduate research. In this interview, Godson Obia, Associate Dean of the College of Sciences, describes the conference and its significance. Implementation of the group’s recommendations would result in some major changes at Eastern.

1. You recently attended a conference on undergraduate research. What was the focus of the conference?

We attended a workshop on “Institutionalizing Undergraduate Research, Scholarly, and Creative Work,” at Murray State University, from March 4-5, 2005.

The focus of the workshop was to “help campuses initiate and expand campus-wide programs to engage undergraduates in research, scholarly, and creative work.”

2. Who attended from EIU?

Dr. Andrew Methven, Chair of Biological Sciences; Dr. Vince Gutowski, Geology-Geography Department; and Dr. Godson Obia, Associate Dean of the College of Sciences represented Eastern.

3. Who sponsored the conference, and what is this organization’s expertise in promoting undergraduate research?

The workshop was organized by Murray State University, with collaboration from the Council on Undergraduate Research (CUR), and sponsored by the Howard Hughes Medical Institute Program at Murray State University. Murray State has a Center for Undergraduate Research, funded by the Howard Hughes Medical Institute, which collaborates with CUR to organize national workshops.

4. What were the major points covered during the conference?

The conference provided an opportunity for each team of participants to: 1) identify the strengths, weaknesses, impediments, and opportunities for undergraduate research on their campuses; and, 2) generate short-term, mid-term, and long-term goals for enhancing undergraduate research, scholarly activity, and creative work on their campuses.

5. Did anything unexpected emerge during the conference?

The outcome of the conference was expected. The team from Eastern Illinois University developed the following short-term (3-6 months), medium-term (2-3 years), and long-term goals (5 years):

Short-Term Goals (3-6 months):

- Prepare a report on the workshop that will be shared with the COS Chairs, the Council of Deans, and the Provost and Vice President for Academic Affairs
- Encourage the Deans of the College of Sciences and the College of Arts and Humanities to select and fund a team of representatives to attend a Council on Undergraduate Research (CUR) Institute July 22-24, 2005 at Bridgewater State College, Bridgewater, MA titled ***Mentorship, Collaboration, and Undergraduate Research in Social Sciences and Humanities***

Short-Term Goals Continued:

- Identify a small group of faculty and campus leaders of undergraduate research, scholarly activity, and creative work on Eastern’s campus to serve as a organizing committee
- Obtain buy-in from key campus constituencies
- Enable the organizing committee to prepare an inventory of the kinds of research, scholarly activities, and creative work that are currently in progress on campus and to gauge interest in colleges and departments in pursuing a university-wide initiative to encourage undergraduate research, scholarly activity, and creative work on campus

Mid-Term Goals (2-3 years):

- Enable the organizing steering committee to work toward accomplishing the mid-term and long-term goals outlined in this summary
- Enable the organizing committee to establish assessment tools for evaluating undergraduate research, scholarly activity, and creative work on campus
- Organize a campus-wide exposition on undergraduate student research, scholarly activity, and creative work in Spring 2007

Long-Term Goals (5 years):

- Establish an undergraduate advisory board that includes faculty, students, campus leaders, and representatives from the Honors College, Grants and Research, and the Library
- Integrate undergraduate research, scholarly activity, and creative work across campus
- Enhance undergraduate research grants for the academic year and the summer session
- Enhance student travel to meetings and expositions
- Establish an Office for Undergraduate Research, Scholarly Activity, and Creative Work with a half-time Director

6. How does EIU’s engagement in undergraduate research compare with that of other comparable institutions?

EIU seems to be ahead of many other comparable schools in undergraduate research, in the sense that we generally engage our students in undergraduate research as a part of their degree programs, especially in the College of Sciences. What we lack is a coordinated effort to bring all undergraduate research under one institutional framework. Schools like Murray State are ahead of Eastern, because they have established a center for undergraduate research responsible for coordinating all undergraduate research on their campuses.

7. Will EIU do anything different as a result of the conference?

Plans are afoot to send a team of faculty, if possible drawn from all the colleges, to attend a CUR workshop. We plan to work with the Provost, Deans, Director of Grants and Research, and other relevant leaders on campus to inventory existing undergraduate research engagement, and develop a university-wide plan to coordinate and celebrate undergraduate research efforts, perhaps similar to the College of Sciences’ ScienceFest.

FY2006 COUNCIL ON FACULTY RESEARCH GRANT COMPETITION

The Council on Faculty Research Fall Competition funds projects for research and creative activity. Funds are available for commodities, contractual services, equipment, travel, and student help related to the project. No personal services dollars are available. All tenured/tenure track faculty in Bargaining Unit A and department chairs and associate chairs are eligible to submit in the Fall, 2005 competition. Beginning with awards made during the Fall, 2005 competition, any individual may receive only two consecutive Fall awards, after which the individual will be ineligible for a Fall award in the third year. Specifically, receipt of an award for the Fall 2005 and Fall 2006 competition will make an individual ineligible for an award in the Fall 2007 competition; eligibility will resume in the Fall of 2008. To obtain a copy of the application materials, [click here](#).

Awards Received / April – June

- Berg, Richard**, Educational Administration. IASA Survey FY05. Illinois Association of School Administrators, \$6,530.
- Chesnut, Robert**, Chemistry. Synthetic Methods for Preparing Platinated Estrogens. Illinois Department of Public Health, \$20,000.
- Crews, Daniel**, Arts and Humanities Dean's Office. IBHE Cooperative Work Study Program FY05. Illinois Board of Higher Education, \$111,000.
- Dau, Jeanne**, Business and Technology Institute. Employer Training Investment Program (Increase and Extension). Illinois Department of Commerce and Economic Opportunity, \$20,000.
- Dau, Jeanne**, Business and Technology Institute. Employer Training Investment Program (ETIP) FY05. Illinois Department of Commerce and Economic Opportunity, \$50,000.
- Fischer, Robert**, Biological Sciences. Intensive Basin Survey Internship Program. Illinois Environmental Protection Agency, \$8,555.
- Fischer, Robert/Pederson, Charles**, Biological Sciences. Biotic Assessment of Water Quality in a Stretch of the Sangamon River Receiving Effluent from the Sanitary District of Decatur. Sanitary District of Decatur, \$108,698.54.
- John, David**, ROTC. Cadet Award Program at EIU. Tawani Award, \$5,100.
- Lisowski, Marylin**, Early Childhood, Elementary and Middle Level Education. Project TEAMS (Technological Enhancements and Applications in Math and Science) FY05. Illinois Board of Higher Education, \$10,2000.
- Lisowski, Marylin**, Early Childhood, Elementary and Middle Level Education. Project TEAMS (Technological Enhancements and Applications in Math and Science) FY05. Illinois State Board of Education, \$130,000.

- Lisowski, Marylin**, Early Childhood, Elementary and Middle Level Education. Project TEAMS (Technological Enhancements and Applications in Math and Science) FY05 (Increase #1). Illinois State Board of Education, \$20,000.
- Meiners, Scott**, Biological Sciences. Does Seed Source Population Size Influence Prairie Plant Restoration Success? Prairie Biotech Research, \$999.
- Osborne, Nick**, Educational Administration. Leadership for the Improvement of Teaching Performance (Year 2). Illinois Board of Higher Education, \$88,000.
- Reed, Gary**, Facilities Planning and Management. Efficient Lighting Upgrade. Illinois Clean Energy Community Foundation, \$48,408.
- Roche, Denis**, WEIU. Meth NCO Grant FY05. National Center for Outreach, \$12,000.
- Roche, Denis**, WEIU. Illinois Public Broadcasting Grant FY05 (Part Two). Illinois Arts Council, \$120,463.
- Strader, Michael**, Peace Meal. Senior Nutrition Program FY05. Wabash Township, \$150.
- Strader, Michael**, Peace Meal. Senior Nutrition Program FY05. Coles County Senior Citizens Property Tax Levy Committee, \$13,150.
- Strader, Michael**, Peace Meal. Senior Nutrition Program FY05. Dwight Community Chest, \$300.
- Strader, Michael**, Peace Meal. Senior Nutrition Program FY05. Clark County Board, \$3,000.
- Strader, Michael**, Peace Meal. Senior Nutrition Program FY05. Moultrie County Mental Health (708) Board, \$4,000.
- Strader, Michael**, Peace Meal. Senior Nutrition Program FY05. Village of Bement, \$1,000.
- Strader, Michael**, Peace Meal. Senior Nutrition Program FY05. Douglas County Board, \$3,000.
- Strader, Michael**, Peace Meal. Senior Nutrition Program FY05. United Way of Moultrie County, \$2,000.
- Strader, Michael**, Peace Meal. Senior Nutrition Program FY05. Ruth Hayward Masonic Fund, \$9,400.

- Strader, Michael**, Peace Meal. Senior Nutrition Program FY05. Hunter Township, \$100.
- Strader, Michael**, Peace Meal. Senior Nutrition Program FY07. United Way of McLean County, \$91,000.
- Strader, Michael**, Peace Meal. Senior Nutrition Program FY06. United Way of McLean County, \$91,000.
- Strader, Michael**, Peace Meal. Senior Nutrition Program FY05. United Way of Decatur and Mid-Illinois for DeWitt County, \$4,500.
- Strader, Michael**, Peace Meal. Senior Nutrition Program FY06. City of Champaign, \$2,408.
- Strader, Michael**, Peace Meal. Senior Nutrition Program FY05. Neoga Township, \$500.
- Strader, Michael**, Peace Meal. Senior Nutrition Program FY05. City of Neoga, \$1,250.
- Strader, Michael**, Peace Meal. Senior Nutrition Program FY05. Lafayette Township, \$500.
- Strader, Michael**, Peace Meal. Senior Nutrition Program FY05. Creek Township, \$250.
- Strader, Michael**, Peace Meal. Senior Nutrition Program FY05. Charleston Township, \$1,000.
- Strader, Michael**, Peace Meal. Senior Nutrition Program FY06. Victor A. Hoersch Elderly Services Trust, \$1,000.
- Strader, Michael**, Peace Meal. Senior Nutrition Program FY05. Embarrass Township, \$250.
- Strader, Michael**, Peace Meal. Senior Nutrition Program FY06. Moultrie County United Way, \$3,000.

- Strader, Michael**, Peace Meal. Senior Nutrition Program FY05. Dewitt County Board, \$3,500.
- Strader, Michael**, Peace Meal. Senior Nutrition Program FY06. John M. Scott Health Resources/City of Bloomington, \$32,500.
- Strader, Michael**, Peace Meal. Senior Nutrition Program FY05. Bement Township, \$250.
- Strader, Michael**, Peace Meal. Senior Nutrition Program FY05. Normal Township, \$14,000.
- Strader, Michael**, Peace Meal. Senior Nutrition Program FY05. Texas Township, \$500.
- Strader, Michael**, Peace Meal. Senior Nutrition Program FY05. Village of Westfield, \$500.
- Strader, Michael**, Peace Meal. Senior Nutrition Program FY05. East Oakland Township, \$200.
- Throneburg, Rebecca**, Communication Disorders and Sciences. Subtypes and Associate Risk Factors in Stuttering (Year Four). National Institutes of Health - University of Illinois at Urbana - Champaign, \$36,000.
- Wall, Andrew**, Education and Professional Studies Dean's Office. Teacher Graduates Assessment for the State of Illinois. Illinois Board of Higher Education / Illinois State Board of Education / Other Illinois Public Universities, \$100,000.

Proposals Submitted / April – June

- Barbour, Judy**, Early Childhood, Elementary, and Middle Level Education. Assessing Differential Needs of Student Populations in Achieving Academic Success: A Comparative Study of First-Time/First Year Students, Traditional-Aged Transfer Students, and Adults Re-entering Students. Illinois Board of Higher Education.
- Bower, Douglas**, Education and Professional Studies Dean's Office. New Teacher Induction Program. Illinois Board of Higher Education.
- Bower, Douglas**, Education and Professional Studies Dean's Office. A Cohort Model for Increasing Access to Secondary Teacher Education through the Use of Technology: A Planning Grant. Illinois Board of Higher Education.
- Bower, Douglas**, Education and Professional Studies Dean's Office. Transfer Education Scholars YR 3. Illinois Board of Higher Education.
- Bower, Douglas**, Education and Professional Studies Dean's Office. Diversity Programming for Teacher Education in Rural Illinois: Helping Teachers to Meet the Needs of Diverse Learners. Illinois Board of Higher Education.
- Bulla, Gary**, Biological Sciences. Molecular Analysis of Hepatic Gene Silencing. National Science Foundation.
- Bulla, Gary**, Biological Sciences. Role of Coactivators in HNF1a Function. National Institutes of Health.

- Canivez, Gary**, Psychology. Reliability and Validity of ASCA for Asian Americans. National Institutes of Health.
- Davidson, Eric**, Health Services. 2005 SBC Exceleator Competitive Grant Program. SBC Foundation.
- Davidson, Eric**, Health Services. I Live Free Tobacco Free - Health Service Cessation Training. Southern Illinois University - Carbondale Center for Rural Health and Social Development.
- Davidson, Eric**, Health Services. I Live Free - Tobacco Free Environmental/Policy Intervention. Southern Illinois University - Carbondale Center for Rural Health and Social Service Development.
- Davidson, Eric**, Health Services. I Live For Tobacco Free Collegiate Curriculum Initiative. Southern Illinois University - Carbondale Center for Recent Health and Social Service Department.
- Deptula, Daneen**, Psychology. Family and Peer Influence on Adolescent Sexual Behavior. National Institutes of Health.
- Fischer, Robert/Pederson, Charles** Biological Sciences. Biotic Assessment of Water Quality in a Stretch of the Sangamon River Receiving Effluent from the Sanitary District of Decatur. Sanitary District of Decatur.



Gutowski, Vince, Geology/Geography. Colorado Archaeological Society Research Project. Colorado Archaeological Society.

Hickenbottom, Jo Ellen, Continuing Education. To College and Beyond! Summer Program. Illinois Board of Higher Education.

John, David, ROTC. Cadet Award Program at EIU. Tawani Award.

Lanham, Allen, Library Services. Art in Architecture in Illinois Libraries. Illinois State Library.

Lassak, Marshall, Mathematics and Computer Science. Mathematics Education Study Group. National Education Association.

Lorber, Carl, Library Services. Warbler Digitization Project. Illinois State Library.

Marjanovic, Marina/ Lawrence, Barbara/ Treadwell, Ed, Biological Sciences/Chemistry/Chemistry. Investigating Novel Cryoprotectants In Freeze - Tolerant Animals Using NMR Spectroscopy. National Science Foundation.

Markwell, Becky, Safety Programs. IDOT Law Enforcement Liaison FY06. Illinois Department of Transportation.

Markwell, Becky, Safety Programs. IDOT Policies and Programs FY06. Illinois Department of Transportation.

Markwell, Becky, Safety Programs. IDOT Child Passenger Safety FY06. Illinois Department of Transportation.

Morford, Linda, Educational Administration. New Leaders Assistance Service - School Leadership Program. US Department of Education.

Peebles, Sean, Chemistry. Characterization of C-H...X, C-H...O, C-H...S and C-H... π interactions by microwave spectroscopy.. American Chemical Society - Petroleum Research Fund.

Rohn, Charles, Education and Professional Studies Dean's Office. Charleston Physical Education Curriculum Supervisor Program. Charleston Unit School District #1.

Rossi, Richard, Music. Charleston Area Charitable Foundation for Eastern Symphony Orchestra. Charleston Area Charitable Foundation.

Sanders, Karla/Davenport, Mona, Center for Academic Support and Achievement/Minority Affairs. Building Outreach and Opportunity for Students in Transition. Illinois Board of Higher Education.

Shank, Kathleen, Special Education. Increasing Access to Teacher Preparation in Special Education: A Grow Your Own Cohort Model. Illinois Board of Higher Education.

Strader, Michael, Peace Meal. Various Agencies

Throneburg, Rebecca, Communication Disorders and Sciences. Subtypes and Associate Risk Factors in Stuttering (Year Four). National Institutes of Health - University of Illinois at Urbana - Champaign.

Tipton, Jocelyn, Library Services. Reaching Out to Increase Public Access to Government Information. Illinois State Library.

Tipton, Jocelyn, Library Services. The Who, What, Why, and How of Psychology. Illinois State Library.

Treadwell, Edward, Chemistry. 1, 3 - Diphosphonoacetone as a Synthone for α,α - Dienones and Hydrindan - 2 - ones. American Chemical Society - Petroleum Research Fund.

Wahby, Wafeek, Technology. RoboBrik. National Science Foundation.

Wall, Andrew, Education and Professional Studies Dean's Office. Teacher Graduates Assessment for the State of Illinois. US Department of Education through the Illinois Board of Higher Education.



Campus Spotlight



Selected Accomplishments at EIU

- Dr. **Scott AGM Crawford** has been on the faculty at EIU since 1989. In 1994 he received a NEH Summer Fellowship in Visual Anthropology at the University of California, Berkeley and in 1996 a NEH Summer Fellowship in Maritime Affairs at Mystic Seaport Museum, Connecticut. He has published extensively in the area of sports studies since 1975 and from 1990-2005 he was the book reviews editor of the International Journal of Sports History. His work has appeared in the Canadian Journal of Applied Sport Sciences, South African Journal for Research in Sport, Research Papers in Physical Education, International Review of Sport Sociology, Journal of Sport Literature, International Journal of Sport Psychology, Victorian Periodicals Review, Journal of Sport and Social Issues, Journal of Sport History and the International Journal of the Society for Nautical Research. His biographical profiles have appeared in numerous publications including the *New Oxford Dictionary of National Biography*. In 2003 he edited a Frank Cass volume entitled *Serious Sport*. He is a Fellow of the Royal Society of Arts and in 2005 is the Presidential Scholar of the Illinois Association for Health, Physical Education and Recreation.
- **Richard Palmer** is the Lumpkin Distinguished Professor of Business at Eastern Illinois University. Prior to academic work, he held management positions in both public accounting and the banking industry. Dr. Palmer currently studies issues in accounting systems, strategic cost management, and process performance measurement. His specific interests include e-procurement and commercial card technology applications to business. His writings have appeared in a variety of journals, including the Journal of Accountancy, Journal of Cost Management, Government Finance Review, Management Accounting, European Management Journal, Behavioral Research in Accounting, Issues in Accounting Education, Journal of Systems Management, and the Stanford University Working Paper series. He has received research grants from organizations such as KPMG LLP, the American Institute of Certified Public Accountants, and the Boeing Center on Technology, Information, and Manufacturing at Washington University in St. Louis. Richard's e-commerce and purchasing card research have been quoted in outlets including *CBS News MarketWatch*, *American Banker*, *Business Finance*, *Purchasing*, *CFO*, *Treasury and Risk Management*, *Financial Executive*, *Credit Card News*, *Cards International*, *Credit Card Management*, *Federal Times*, *Government Procurement*, and *Business Integration*.
- Professor **Nancy Van Cleave's** research in theoretical Computer Science has resulted in several conference papers and an article in Springer-Verlag Lecture Notes. Dr. Van Cleave has also been very active in advancing computer science education. She was the Principal Investigator on an NSF-funded project that developed a culturally-sensitive computer science transfer degree for American Indians at a community college. Her work with mathematics education for minorities has resulted in several conference papers, one of which was selected for best conference paper at a large conference. Prof. Van Cleave's interest in new learning activities for students has led to numerous presentations at meetings of mathematics educators and computer science educators. Her current research centers on the creation of learning objects and their electronic delivery to students. Dr. Van Cleave's collaborators include Terence Ahern, as well as EIU computer scientists Peter Andrews, Andrew Mertz, and Bill Slough..
- Dr. **Jean Wolski** has written several plays for children and has toured shows throughout the Midwest. She has served on the editorial boards for YOUTH THEATRE JOURNAL and STAGE OF THE ART and is collaborating on a text in the area of Youth Theatre. Her specialization in the field of acting is in voice and movement, incorporating her degree in music with training in dance. Prof. Wolski is currently serving as editor for ATME NEWS, a publication of the Association of Theatre Movement Educators. In addition to teaching, Dr. Wolski has directed and/or choreographed several productions, including BRIGADOON and TWELFTH NIGHT.

