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CDHS Awarded Contract to Reform NYS Long Term Care System

By Rick Johnson, HR, Special Projects Director, CDHS

Like a powerful tsunami, a great generational wave is hurtling towards New York State’s long term healthcare system. We’ve known for many years that the massive demographic tidal wave known as the Baby Boomers was coming, but now that the Baby Boomers are beginning to reach retirement age the NYS Medicaid system is bracing for a direct hit.

In an effort to minimize the tremendous impact that the impending wave of many thousands of new applicants for services will have on the on the most comprehensive publicly funded health care system in the nation, Governor George Pataki has decided upon the complete restructuring of the entire long term care system currently existing within New York State. This unprecedented step, coupled with the desire to improve and enhance the nature of long term services provided for the elderly and persons with disabilities, has resulted in the development the Long Term Care Restructuring Initiative (LTCRI). The LTCRI has as its guiding vision the provision of accessible, coordinated, person-centered care to all eligible citizens, while also enabling access to the health care system through a single point of entry without incurring any

additional costs. That is no small order, given the size and complexity of the system currently used in providing long term care in this state.

The Center for Development of Human Services, under the auspices of the Buffalo State Research Foundation, has been awarded a major contract with the NYS Department of Health to provide assistance with the long term care restructuring efforts. Under Chief Administrative Officer Robert N. Spaner, and Rick Johnson, Director of Human Resources and Special Projects, CDHS has already added a cadre of highly qualified professionals to its staff in conjunction with this project. These include Bob Sherman, formerly the Nassau County Commissioner of Social Services, who has been selected to lead the CDHS team that will be working with the NYS Office of Medicaid Management, and Gail Koser, who has been selected to coordinate development of Point of Entry (POI) project along with other CDHS LTCRI staff assigned to the NYS Office for the Aging. Additional professionals and team members will also provide expertise in helping New York State in its efforts to manage and provide care, and to date substantial progress has already

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CDHS Awarded Contract to Reform NYS Long Term Care System

(continued from cover)

been made toward achieving its very ambitious goals.

In the early stages of the restructuring initiative, CDHS LTCRI team members have been reviewing policy and legislation, identifying best practices, conducting needs assessments, evaluating technology requirements, and fanning out across the State to meet with health care providers, insurers, consumers, and local district staff to share project goals and to gather input and ideas. As the project goes forward, the team, in close collaboration with State partners, will begin the laborious process of drafting a waiver for executive, legislative, and federal review and approval. Upon the waiver's acceptance they will then begin the implementa-

tion phase, which will involve State-wide communication and notification, related training, systems development, and program monitoring and evaluation.

Team members also have been actively involved in POE access planning and implementation, with the goal of establishing a fully-functional, locally-based, statewide system. This system will provide a full range of services, including public education, information, initial screening, needs assessment, and assistance with accessing appropriate medical and non-medical services. The first phase of the POE implementation project, to begin in selected areas of the state later this year, will provide information, initial screening, and assistance to anyone interested in exploring the available options for long term care in New York State. As this first phase is being implemented, team

members will work with state staff to set standards, requirements, and expected outcomes measures. These will be incorporated into the second phase, which will entail the development of a fully operational POE system that will also offer customers comprehensive needs assessment and help with accessing available services.

CDHS continues to recruit other talented professionals whose combined efforts will assist New York State to fully realize and implement its massive restructuring goals. With dedicated and experienced specialists in administration, long term care, policy analysis, technology, law, nursing, aging, home care, and Medicaid programs in general, New York State's very ambitious plan is in good hands with CDHS, and the prospects for successfully weathering the impending storm look better with each passing day. ■

Hey Look us Over! – Updated RF Websites



THE RESEARCH FOUNDATION
The State University of New York



The site features:

- A separate page for each RF office- Administration, Pre-award and Contracts, Grants Management, Human Resources, and Purchasing Services. You can quickly access any one by pointing the mouse to the office name in the flowing red banner at the very top and click.
- Another quick menu of links is highlighted in the solid red bar below the logo, drawing attention to such items as News and Events, Frequently Asked Questions (FAQ'S) and Forms.
- A staff directory – point and click on - the Contact Us element of the solid red bar below the logo, select Staff

Directory from the left hand column to view a list of Buffalo State College RF employees with office room numbers, email addresses and telephone numbers.

The Central Office of the Research Foundation of SUNY in Albany also launched an updated website this summer located at www.rfsuny.org. To access detailed and project account information you need to register a login address. Detailed instructions were distributed by email to project directors on August 25, 2006 from the Buffalo State Research Foundation. Please contact Lisa Gatti at ext 5724 with specific login questions. ■

Over the summer the Buffalo State College Research Foundation launched its new and improved website – take a minute and take a look. To access, simply type www.rf.buffalostate.edu in the address line of your internet browser.

GEAR UP

CAREER AND TECHNICAL EDUCATION PROGRAM



Technical Education mentors work with GEAR UP Student

Buffalo State College's Career and Technical Education Program has just completed year four of a six-year U.S. Department of Education GEAR UP grant. CTE plays a major role in the Greater Buffalo GEAR UP Coalition Project by providing career exploration opportunities to middle and high school students, teachers and parents. In addition to career exploration activities through the GEAR UP grant CTE has provided career fairs, career and academic mentoring and CHOICES programs at Buffalo Public Schools, Charter Schools and the Niagara Falls School District through Perkin's grants and UROG funding.

Karen Kwandrans, Program Coordinator states, "The Career and Technical Education Program is proud of the numbers of students that have benefited from career fairs and career mentoring opportunities. Working with diverse populations and "at-risk" youth is a wonderful opportunity for the CTE students in our program."

To date the program has held over 100 career exploration programs. Their approach to working with youth is to provide hands-on learning activities through the guidance of experienced technicians in order to demonstrate the types of tasks and challenges that make up a rewarding career. They demonstrate the wide range of educational

opportunities and fulfilling positions that are available in technical careers, including salary ranges. The career fairs present over 16 career clusters representing over 200 occupations. Each career cluster has tables set up with visual posters highlighting a 2+2+2 approach for education in that area, jobs that make up the cluster, the occupational outlook for jobs in Western New York and the salary ranges. In addition, there are hands-on activities that provide children a real-life exposure to what it feels like to be a nurse, graphic artist, welder, chef, cosmetologist, landscape engineer, etc. The students leave with brochures from each cluster with valuable information

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FACULTY/STAFF RESEARCH AND CREATIVITY FALL FORUM OCTOBER 19, 2006



On October 19, 2006, Buffalo State College will hold its Seventh Annual Faculty/Staff Research and Creativity Fall Forum. As in past years, the goal of this forum is to develop, encourage, and support Buffalo State College faculty and staff research and creativity; and to make collaborative research endeavors and grantsmanship more accessible. This is an excellent opportunity to network with other Buffalo State College faculty/staff and identify common scholarly and creative interests that you may have. Every year individuals commented that they enjoyed learning what others were doing and as a result new collaborations were developed.

All presentations will be poster sessions and all activities will be held on the same day in one location (Houston Gym). The day will begin with a welcome session at 10:30 a.m. The exhibition of poster presentations will continue until 2:00 p.m. Refreshments will be served. ■

GEAR UP (continued from Page 3)



GEAR UP Career Fair

on a career that may interest them including the local high school or college that has their program of interest. Career mentoring services are provided through "one-on-one" or "small group" settings with a professional from the student's chosen career of interest. In-depth activities related to the field, as well as applied math, science and language arts that are needed to successfully acquire a job in that area are emphasized.

Buffalo State College's Career and Technical Education Program provides mentoring to students that integrates academic and career and technical curriculum. Mentors provide guidance and career information for children to grow personally and academically. CTE mentors are examples of professionals in the community and role models to aspiring GEAR UP students. Students' self confidence is built through hands on learning and curriculum that incorporates the NYS Learning Standards, NYS Career Plan and SCANS Skills. The key elements of our academic mentoring program is to establish a rapport between teachers, students and

mentors regarding the academic needs of the students and to integrate those academic concepts into career exploration activities.

Career and academic mentoring has been a win-win situation for GEAR UP students and CTE pre-service teachers. Mentoring students using the sixteen career clusters as the "real life hook" enables students to learn more effectively using a contextualized format.

The program is part of a collaborative effort to address the needs of students "at risk" of educational failure. Using community services in a coordinated system GEAR UP promotes high expectations for children; provide low-income students with skills, inspiration and preparation needed to pursue and succeed in post secondary education. Other GEAR UP partners include the Buffalo Public Schools, SUNYAB Equal Opportunity Center, Canisius College, D'Youville College, Villa Maria College, Medaille College, EPIC, Junior Achievement, and Boys and Girls Clubs. ■

AWARDS MAY 2006 – AUGUST 2006

MAY 2006

Gordon Fraser – *New York Rivers United via subcontract from University at Buffalo – Sediment Modeling and Assessment for the Cattaraugus Creek Watershed*

\$10,000

Baseline scientific information is needed about the watershed in order to identify sensitive areas and to test the results of various strategies that are to be employed in the watershed. Baseline GIS mapping will identify areas of the Cattaraugus Creek watershed that are potential areas of water bodies and aquatic resources that are threatened by excess sedimentation, to help guide protection of sensitive landscape parcels or to restore actively eroding areas. Researchers from Buffalo State College will be responsible for collecting discharge and sediment concentration data.

Kim Irvine – *Buffalo Niagara Riverkeeper – Assessment of Beneficial Use Impairments #8 (Eutrophication or Undesirable Algae) and #13 (Degradation of Phytoplankton Populations) in the Buffalo River AOC*

\$24,824

This project will help address Beneficial Use Impairments #8 and #13 for the Buffalo River AOC. It will combine field and lab work with a review of historical nutrient and phytoplankton data to: a) establish the dominant phytoplankton taxa in the Buffalo River AOC and, recognizing the shortcomings noted in the State of the Lakes – 2005 Report, use community composition characteristics to determine whether phytoplankton have been negatively impacted by human activity b) determine the trophic level of the AOC and c) determine if microcystins (algal toxins) are present that may present a risk to fish, wildlife, or human health.

Field Work: Water samples will be collected at three locations within the AOC on a weekly basis in July and August, 2006.

Samples will be collected in mid-channel (from a Boston Whaler) at approximately a 1 m depth using a Van Dorn sampler. Secchi depth will also be determined at each site.

Conventional water quality parameters will be recorded at 15-minute steps using a YSI 6000 series datasonde installed at the Ohio St. Bridge site. Parameters will include dissolved oxygen, temperature, pH, conductivity, turbidity and fluorescence. The data from the YSI will be downloaded once a week and routine maintenance and calibration also will be done at that time. In addition, the YSI will be used to collect water column profile data from the mid-point of the channel at the Ohio St. site the day of data download. The profile sampling will provide data on the vertical variability of the water quality parameters.

Lab Work: The water samples collected at the three sites on a weekly basis will be analyzed for chlorophyll a, total microcystin, total phosphorus, ammonia and nitrate/nitrite.

Gary Jones – *New York State Education Department – Speech-Language Pathology Upstate Consortium*

\$250,000

New York State Education Department has continued funding for the Speech-Language Pathology Upstate Consortium. The goal of the consortium is to increase enrollments in speech-language pathology graduate programs, substantially encourage undergraduate students to keep a commitment to the profession, actively present the speech-language pathology career option to public and private high school, middle school, and junior college students, and provide a distance learning program to students in rural areas of upstate New York.

Kelly Marczynski – *Health Research, Inc. – Follow-up Survey for the New York State Smokers' Quitline*

\$27,000

As part of the basic service of the New York State Smokers' Quitline, all Quitline clients who receive a starter kit of Nicotine Replacement Therapy (NRT) receive a callback to 1) determine if the NRT package was received by the client and if not verify the client information for a re-shipment; 2) survey client to determine NRT utilization, adverse effects or side effects, quit behavior and quit status. Buffalo State College's Center for Health and Social Research will hire and train staff necessary to conduct and complete telephone interviews.

CEURE – *Buffalo Public Schools – 2006 Summer in the City*

\$130,500

Buffalo State College will again participate in the Summer in the City program with the Buffalo Public Schools. This involves recruitment and training of up to 60 pre-service teachers (college students). These students are enrolled in teacher preparation programs and will serve as mentors and tutors in the Buffalo Public Schools in an intervention enrichment program for improving the academic achievement of students in grades 7-12.

Robert Spaner – *Institute for Rehabilitation and Research – Long Term Care Restructuring Stakeholders Meeting*

\$20,000

As a result of recommendations made in 2004 by Governor George Pataki's Health Care Reform Working Group, the Department of Health is pursuing a waiver that will restructure and rebalance long term care. In order to make the waiver preparation process as participatory as possible, several steps will be taken to incorporate ideas and concerns from stakeholders. Stakeholders include consumers, state and local officials, representatives from local departments of social services, local health departments and area agencies on aging, home health care professionals, professional associations and consumer advocates. These funds will be used to administer

regional stakeholder meetings throughout New York State in 2006, in order to obtain information from stakeholders that will assist the NYSDOH in preparing a waiver application to restructure long term care in New York State.

JUNE 2006

Ann Colley – *New York Council for the Humanities – RSL2006: Transatlantic Stevenson*
\$2,000

Funding has been received to support the Fourth Biennial Robert Louis Stevenson Conference, held in Saranac Lake, July 18-20, 2006. This prestigious conference attracts academics from all over the world, as well as a number of interested community members; this is the first time the Stevenson Conference will be held in the United States.

Linda Gleckel - *Higher Education Support Center in the School of Education at Syracuse University – Initiative # 5C: Regional Task Force Groups 2005-2006*
WESTERN REGION
\$21,000

The lead liaison for this project is Linda Gleckel, who will serve as the point of contact on fiscal matters relevant to the project through Buffalo State College. Two SUNY Fredonia Faculty, Kathleen Gradel and Laura Geraci-Crandal, will serve as Co-liaisons. These individuals are charged with the following responsibilities:

- Overall regional - coordination with, reporting to and liaison with the sponsor.
- Ongoing coordination with Higher Education Support Center (HESC) statewide activities.
- Sponsorship of professional development training and materials for IHE faculty on emerging IDEA 2004 federal and state regulations.
- Regional and statewide survey of IHE induction supports to untenured faculty; conduct survey, compile and analyze data and report on findings regionally and nationally.

- Conduct WNY 2006 Regional Summit, featuring IHE-district partnerships' implementation of evidence-based and promising practices.
- Access follow-up implementation of UDL work in the region, and disseminate information about this work to SUNY campuses.
- Sponsorship of professional development training and materials for IHE faculty on IRIS supports and applications.

JULY 2006

Gordon Fraser – *U.S. Army Corps of Engineers – Buffalo District – Sediment Modeling and Assessment for the Cattaraugus Creek Watershed, NY*
\$50,045

The goal of this project is to extend the Better Assessment Science Integrating Point and Non-point Sources (BASINS) database and Soil and Water Assessment Tool (SWAT) model, already developed to understand the sediment transport problems experienced by the watershed from the watershed, to include the Cattaraugus Creek watershed. The SWAT model was developed to predict the impact of land management practices on water, sediment and agricultural chemical yields in large complex watersheds with varying soils, land use and management conditions over long periods of time. The BASINS system is particularly useful to local stakeholders and decision-makers such as planning commissions and local governments. By using BASINS as the organizing structure for this study, a system would be developed not only for sediment transport modeling, but also for land use planning. Possible planning applications include: evaluating the impact of major land development projects on peak flow, sedimentation, and water quality, and predicting the effects of gradual conversion of land from undeveloped to highly urban use and the related impacts on the watershed. The system could also evaluate the benefits of alternative management strategies including buffer strips, conservation tillage practices, and other best management practices (BMPs), proposed for

the watershed to reduce sources of pollutants and their transport through the stream system into Lake Erie.

Linda Gleckel – *U.S. Department of Education via subcontract from Syracuse University – Initiative #3D: Summer Program*
\$5,000

Goals of this project include:

- assessing the induction supports available to pre-tenure faculty in the region's inclusive teacher preparation programs, through the administration of an online survey
- conducting four professional development events for IHE faculty and district educational leaders on new and emerging (a) federal and state regulations (IDEA 2004), (b) quality teacher preparation materials and approaches (i.e., IRIS), and (c) proven evidence-based educational practices
- developing, piloting and disseminating an instructional support module relevant to IDEA 2004, to enhance the IHE preservice and professional development instruction
- tracking IHE-district partnership activities designed to enhance student learning and professional development outcomes, and continuing our region's mutual exchange of effort and information in this regard
- conducting and reporting on the regional implementation of our UDL initiative.

Stephen Vermette – *Conservation, Food & Health Foundation – Drinking Water Quality Index: Training and Application in Cambodia*
\$17,900

Cambodia is among the poorest countries in the world, ranking 130 of 175 countries in the 2002 Human Development Index, as reported by the United Nations. Mortality due to waterborne diseases in Cambodia is high, a situation that could be improved through better drinking water quality and sanitary conditions. Previous funding from the CFH Foundation has led to a training workshop, the development of a

Cambodia-specific Drinking Water Quality Index and sampling of over 400 drinking water sources. This grant will allow us to continue our sampling of drinking water sources (triple the number of sources sampled) and to offer one workshop on methods of data analysis (involving the Cambodians in writing a final report) and a second workshop to develop methods and materials for community education outreach.

AUGUST 2006

Yolanda Belle – US Department of Education – Talent Search Program
\$289,587 (first year funding)

Talent Search has been approved for a new four-year cycle. The first year has been funded at \$289,587, with continuation funding contingent upon demonstration that the project has made substantial progress in meeting the approved goals and objectives. This program identifies and assists individuals from disadvantaged backgrounds who have the potential to succeed in higher education. The program provides academic, career, and financial counseling to its participants and encourages them to graduate from high school and continue on to the postsecondary institution of their choice. Talent Search also serves high school dropouts by encouraging them to reenter the education system and complete their education. The goal of Talent Search is to increase the number of youths from disadvantaged backgrounds who complete high school and enroll in postsecondary education institutions of their choice.

Jill Gradwell – U.S. Department of Education via subcontract from Albion Central School District – History in Action: A Teaching American History Grant Initiative
\$158,551 (Buffalo State's share)

Buffalo State College, Department of History and Social Studies Education will provide American history content information to teachers in Orleans and Niagara Counties and encourage their growth as American historians. The historians will specifically focus on the aspect of citizenship in American history. The four episodes selected will center

on Native American history, African American history, Women's Rights and Immigration. While the content sessions will cover many more topics than can be listed, each individual session will cover significant issues and turning points in these episodes as well as important individuals and documents that have shaped America's struggles in the pursuit of citizenship.

Jill Singer – National Science Foundation - Collaborative Project: A Workshop Initiative by the Council on Undergraduate Research to Establish, Enhance and Institutionalize Undergraduate Research
\$24,510

The S-STEM program at Buffalo State College will provide a minimum of twenty-eight scholarships to science, technology or mathematics undergraduate majors during each year of the program. Recruitment efforts will be coordinated with the College's Admissions Office and specific activities in the surrounding region will be increased to promote this opportunity. The program will target area public high schools that emphasize math and science college preparation courses, including schools with significant underrepresented student populations. Once recruited into the program, scholarship recipients will be encouraged to take advantage of student support services designed to increase student success. These activities include initiatives being implemented as part of our five-year NSF-STEP project, and additional activities introduced as part of this proposed effort.

The intellectual merit of this project lies in research that documents the ties among student cohort engagement, retention, mentoring and proposed program elements. This program will take advantage of ongoing programs and resources already in place at Buffalo State College and directly compliments our ongoing five-year NSF-STEP project, currently early in its second year.

The broader impact of this work lies in the potential for the scholarships to recruit, educate and mentor academically talented, financially needy students to earn science, technology and math degrees and

enter the STEM workforce or continue their education at the graduate level. Given the high interest in obtaining teaching certification and the shortage of highly qualified STEM teacher candidates in the City of Buffalo and surrounding urban and rural school districts, some students supported by this S-STEM program may help address the need for qualified STEM teachers in the region. Partnerships between Buffalo State College and schools with a large minority enrollment such as Buffalo Public Schools will be strengthened through these recruitment efforts.

Ronald D. Smith – Taft Organization – Support for Revision of Case Statement and Plan for Civic Engagement, National Museum of the American Indian (NMAI)
\$45,185

By combining expertise in civic engagement, public relations and journalism, the American Indian Policy & Media Initiative (AIPMI) will inform America about the realities of tribal existence and the critical role of media and other institutions in shaping perceptions about indigenous America. Representatives from the Initiative will work with NMAI in identifying the strategy and the message that will empower the museum to effectively reach its various stakeholders. The Initiative will initiate a dual research program on behalf of the National Museum of the American Indian toward both a revision of its case statement and the formulation of a program of civic engagement. This will include literature reviews, focus groups, interviews, and roundtables.

William Wiczorek – National Institutes of Health via subcontract from University at Buffalo – Motivation in Context: Risk for Early Substance Use
\$124,707 (first year funding of 5-year project)

Motivation in Context: Risk for Early Substance Abuse is a five-year grant funded by the NIH's National Institute on Drug Abuse. The project will examine the roles of personal, family, peer, and neighborhood factors in the initiation of problem behaviors, such as drinking and drug use. Although theories of child development recognize the importance individual, peer, and

other broader social contexts, this will be one of the few studies to measure all of these domains. A sample of 320 children aged 10-12 years will be recruited into the study by project staff at the Center for Health and Social Research at Buffalo State. The Center will also use its geographic information system to develop neighborhood context measures of alcohol availability. The children will be interviewed at the University of Buffalo three times during the study. The data will be analyzed to identify the key factors that influence development during this critical transitional period from childhood into adolescence. Dr. William Wieczorek (Co-Principal Investigator on the project) will lead the efforts at Buffalo State, while Dr. Craig Colder (Principal Investigator) directs the entire project at UB.

Michael J. DeMarco – *United States Department of Energy – Magnetic, Superconducting and Structural Phase Transitions Studied with 99Ru, 189Os and 191Ir Mossbauer Effects in an External Magnetic Field*
\$143,318

High-activity 99Rh sources have been developed by the PI over the last few years and have provided detailed information on the local environment of Ru ions in several ruthenate compounds and alloys through well-resolved spectra at previously unattainable temperatures. These materials have in common rich phase diagrams which involve different magnetic and structural phases. Analysis of the 99Ru Mossbauer spectra provides values for the hyperfine magnetic field at the Ru nucleus, which is determined by the polarization of the electronic wave functions at the nucleus and is therefore a direct probe of magnetic order in the material. The analysis also provides the electric field gradient tensor at the nucleus which reflects the symmetry and the degree of distortion from high symmetry of the electronic environment at the Ru site. Systematic studies of the isomer shift provide information on the charge state at the Ru ion. The study of these quantities as a function of temperature and doping are a direct local probe of the bulk properties of the materials. This project will now be extended to a wider range of materials and to the use of external magnetic fields to further

probe material properties such as the coexistence of superconductivity and magnetism in GdRuSr2Cu2O8.

New 189Os, and 191Ir probes will be developed which allows us to apply our expertise to new interesting systems such as Pr(Os1-xRux)4Sb12, which is a heavy-fermion superconductor at $x = 0$ whose superconductivity is thought to arise from quadrupolar fluctuations in the electronic environment of Pr. PrRu4Sb12 is thought to be a conventional electron-phonon superconductor. The ability to do both 99Ru and 189Os ME provides a local probe at the two sites as x changes from $x = 0$ to $x = 1$ and allows us to directly study the evolution of the system at a microscopic level. These different MEs provide a method to study the physics of 4d and 5d electrons in materials with interesting properties.

Kevin Miller – *United States Department of Education via subcontract from University of Missouri Columbia – Phase III – Stepping Stones Subcontract*
\$28,680

This project will focus on research on the implementation of case-based instruction in multiple teacher preparation contexts to document the process, outcomes, and transfer of knowledge and skills to teaching children with emotional and behavioral disorders.

The purpose of this research is to study the use of technology-enhanced, practice field cases in teacher education and how these methodologies impact knowledge, skills, problem-solving, and transfer for learners preparing to teach children with behavioral problems. The technologies of focus include: 1) interactive, multimedia cases designed as practice fields, 2) electronic performance support tools to facilitate skill application, and 3) online discussion groups for social construction of knowledge and shared problem solving. Transfer of learning will be examined in both pre-service and on-the-job settings.

This project is a collaborative research effort between researchers located at four institutions of higher education: University of Missouri-Columbia (Dr. Gail Fitzgerald), California University of Pennsylvania (Drs. Kevin Koury & Kate Mitchem), Buffalo State

College (Dr. Kevin Miller), and Bethel College Indiana (Dr. Candice Hollingsead).

Robert N. Spaner – *Erie County Department of Social Services – Erie County Components 1 & 2 FY 2006-2007*
\$280,641

This program provides undergraduate and graduate education programs offered at BSC for Erie County Department of Social Services employees.

Robert N. Spaner – *Erie County Department of Social Services – Erie County Components 3 & 4 FY 2006-2007*
\$719,890

This program provides inservice training & organizational development to the Erie County Department of Social Services.

Stephen Vermette – *National Oceanic and Atmospheric Administration – Assessment of Preemptive Beach Closures Attributed to Rainfall: Erie County, NY*
\$16,945

In the Great Lakes region, 96 percent of the assessed shoreline has been classified as impaired. Bather's health may be at risk from exposure to fecal pathogens, at recreational beaches. High levels of fecal pathogens at recreational beaches are often associated with heavy rainfall. In 2004 Erie County, NY experienced 59 beach closures ranging in length from 3 to 12 days, of which 34 (58%) were related to rainfall events. For Erie County, the rainfall threshold for the closing of beaches is arbitrarily set at 0.5 inches of rain within a 24 hour period. This project will undertake an archival review of 2004 and 2005 closures, bacterial levels, and related rainfall events at seven beaches in Erie County, NY, to establish a scientifically-based rainfall threshold for beach closures.

Archived radar imagery will provide rainfall amounts and intensity derived from Base Reflectivity data at both one-hour and storm-total resolutions. Rainfall amounts will be further refined and detailed using a Multi-sensor Precipitation Estimator (MPE) that will allow us to com-

bine the radar reflectivity with precipitation gage readings. Geographic Information Systems (GIS) will be used to characterize watersheds, digitized rainfall amounts, beach closure dates and bacterial counts. From these maps the type, amount, intensity and location of rainfall, as well as location within a watershed, can be used to assess impacts on bacterial counts and on past beach closure decisions. This will allow us to characterize rainfall events and related antecedent dry periods that cause beach closings, and identify "null cases", or times when beaches were needlessly closed based on the arbitrary 0.5 inch rainfall rule.

Pamela Schuetze – *National Institute on Drug Addictions via subcontract from UB (Research Institute on Addictions) – Prenatal & ETS Exposure: Effects on Child Regulation*
\$29,047

The major purpose of this study is to investigate the impact of prenatal exposure and exposure to environmental tobacco smoke (ETS) on the regulatory system over the first 2 years of life. Mothers will be recruited during pregnancy into 3 groups: 100 pregnancy smokers, 100 women who are not smoking during pregnancy, but have partners and/or household members who smoke (ETS exposure group, and 100 non-smokers. Mothers will be assessed 3 times in the prenatal period, about 12 weeks apart with regard to their own cigarette smoking their exposure to ETS. Mother-infant dyads will be assessed after birth at 2, 9, 16 and 24 months of child age. Assessments at 2, 9 and 16 months will include physiological and behavioral measures of regulation, child exposure to cigarettes, parenting and the care giving environment. The 24 month assessment will also include behavioral and maternal report measures of self-regulation.



CONTINUATIONS

Betty Cappella – *Learning Disabilities Association of Western New York – Family Literacy Program*
\$35,000

6/22/06 – extended award/project to 6/30/07

Darryl Carter – *New York State Education Department – Science and Technology Entry Program (STEP)*
\$828,126

6/19/06 – extended to 6/30/10

Patrice Cathey – *New York State Education Department – Liberty Partnerships Program*
\$373,065

continued funding through 6/30/07

Sarita C. Samora – *New York State Education Department – Bilingual Special Education University Improvement Project*
\$229,923

continuation for the 2006-2007 project year

Sandra Washington – *U.S. Department of Education – McNair Scholars Program*
\$222,592

funded for the 2006-2007 fiscal year

Zhang Jie – *National Institutes of Health, National Institute of Mental Health – Culture, Risk Factors and Completed Suicide: A PA Study*
\$254,469

second year of funding has been received

Naomi Slack – *New York State Education Department – CSTEP*
\$144,900

continued funding through 6/30/07

N. John Popovich – *United States Department of Education via subcontract from D'Youville College – Gear Up II – Year 5*
\$97,200

8/17/06 – funding for year 5 – 9/1/06-8/31/07

Jill Singer – *National Science Foundation – Creating Opportunities for Success Through Recruitment, Retention & Faculty Development*
\$230,137

8/17/06 – funding for year 2 – 1/1/06-12/31/06

Kathy L. Wood – *United States Department of Education via subcontract from Lackawanna City School District – 21st Century #5*
\$60,000

continued funding through 6/30/07

RESEARCH AND CREATIVITY COUNCIL INCENTIVE FUNDS AWARDS

Incentive Funds Awards of up to \$7,000 per proposal are now available

The incentive funds program administered by the Research and Creativity Council is aimed at generating additional funded programs. An applicant for these funds is expected to submit a grant proposal within one year of an incentive award. Also after one year of receiving an incentive grant, a recipient of an award will be required to submit a full report of the use of these funds and submission of grant proposals.

Recent Awards:

APPLICANT: Dr. Constance Dean Qualls

TITLE: *Opportunities for Research in Speech, Language, and Communication in China*

AMOUNT FUNDED: \$6,005

SUMMARY:

This project will use the incentive funds for program and travel costs for the People to People Speech, Pathology and Audiology Delegation to China. The knowledge learned on this trip services as an important 'first step' for the development of an exchange program for the Department of Speech-Language Pathology. Through this experience, Dr. Qualls will gain an understanding of the issues of common concern to speech-language pathologists and audiologists, identify opportunities for teaching and research for faculty, staff and students, and learn about the impact of ancient and modern Chinese culture relative to providing speech-language and audiology services for persons of Chinese ancestry in the U.S. The information gained from this experience will be extremely useful for developing a fundable proposal that addresses teaching/research activities in speech-language pathology. The trip represents a delegation of professionals specializing in speech

(Continued over)

pathology and audiology selected to participate in bilateral exchanges with other professionals in China, under the auspices of the People to People Ambassador Program

APPLICANT: **Gerald Trentham**

TITLE: *AIRE: The Language of Action*

AMOUNT FUNDED: **\$5,140**

SUMMARY:

This project will use the incentive funds to document, expand upon and test research entitled AIRE – The Language of Human Action: by Gerry Trentham and apply the study and evaluation of creative and artistic activity in artistic and education fields, with the goal of applying for funding for continued study and dissemination of

findings. The ultimate goal is publication.

GOALS AND PURPOSES OF THE PROJECT

In order to fully document, expand and test the research work and prepare for publication Mr. Trentham will:

- Require a graduate assistant to assist in gathering and sourcing almost 20 years of research and assist application processes to funding agencies.
- Require travel to conferences and connections with theatre and education publishers. During the summer of 2007 Mr. Trentham and his graduate assistant will present their findings and pre-publication materials to The Association of Theatre for Higher Education (ATHE) and Voice and Speech

Trainers Association (VASTA), which are the two major conferences in the theatre field and will be attended by many who have had their work published -Require meetings with funding bodies. By investigating the methods of funding from the NEA, CC and Liberace Foundation, Mr. Trentham will look for funding to return to Asia and possible elsewhere to complete research that encompasses a broader scope of performance and arts training. Mr. Trentham will also look for funds from the Research Foundation and elsewhere to share this second trip with students and educators from Buffalo State College. ■

EXPORT CONTROLS...WHAT YOU NEED TO KNOW BEFORE YOU GO

By Linda Dubrawsky, Associate Director, Finance / Grants Management



So you think that because you are not shipping goods overseas that export controls don't apply to you....think again!

Export controls are US laws that regulate the distribution of strategically important items, services or information to foreign countries or foreign nationals within the United States. Still think that export controls don't apply to you? If you are working on a research project in a foreign country or with a foreign entity; if you have foreign nationals working on your research project who have access to equipment or research data that could have a military use; or if you are simply traveling abroad and are taking your lap top with you; export controls could very well apply to you. You could need a license before you go. You need to be aware that Principal Investigators can be held personally liable for not identifying

export control issues that arise on their projects. The penalties are significant involving hefty fines and possible imprisonment...and... ignorance of the law is not a defense!

So why all the fuss? The laws governing export controls have long been in existence. But today, cutting edge research in science, engineering and technology often interrelate with homeland security issues. Many research discoveries have a dual use serving both a military and civilian purpose. This, together with the impact of 9/11, has brought about an increased focus on our present export control laws.

Export controls are governed by three regulatory agencies: The Commerce Department Export Administration Regulations (EAR) which apply to technologies, technical data and commodities that have both a civilian and military use; The State Department International Traffic

in Arms Regulations (ITAR) applicable to military technologies; The Treasury Department Office of Foreign Assets Control (OFAC) which prohibits transactions with countries subject to boycotts, trade sanctions, embargos and restricted persons.

The Research Foundation Office of Sponsored Programs is available to assist you in interpreting the export control regulations. We will help you to determine if a license is needed to travel to a foreign country or collaborate with a foreign entity. We are also becoming more proactive by identifying up front the projects that might be subject to export controls. We are currently developing training materials and plan to have additional resources on our website and offer workshops on export controls in the near future. In the meantime, for more information contact Linda Dubrawsky, Carol Darstein, or Ted Turkle. ■

Three China –Related Research Projects Funded by the Research Foundation

From Center for China Studies Newsletter Vol. 6, No 2



Professor Bill Lin with his project collaborators

The Research Council has awarded incentive and creativity funds to three China-related research projects initiated during recent visits of exchange scholars from Capital Normal University (CNU). For each of the three projects, a Buffalo State faculty member serves as the principal investigator.

Dr. John Song of the Criminal Justice Department is working with Professors Kong Dezhou, Zou Xianggao, and Gao Feng of CNU on cross-cultural studies of criminal justice systems in the United States and China. Professor Richard Ross of the Design Department is collaborating with Professor Hao Xueting on joint exhibitions of student work at both Buffalo State and Capital Normal. Dr. William Lin of the Computer Information Systems Department is working with Professor Wang Yanli to develop a research agenda for cross-cultural electronic commerce (e-commerce) theories and applications.

Dr. Song and his CNU colleagues are using interviews, seminars, site visits, library research and other qualitative methods in collecting data for their comparative study of criminal procedural laws in China and the US. At a seminar held May 12 at CNU, the fact that American criminal procedure is rooted in

the US Constitution aroused much curiosity and interest among legal scholars and law school students. Dr. Song will help his CNU counterparts understand how people in the US deal with the issues facing Chinese scholars, law practitioners, and government officials and will continue to explore the feasibility of China's adopting the US system.



Fine Arts Department at CNU

Buffalo State's Design Department, in collaboration with the Research Foundation, is sponsoring Professor Xueli Hao to teach in the communication design program during this academic year and to exhibit her graphic design work at the beginning of the Spring semester in Upton Gallery. A graduate of Tsinghua University, Ms. Hao is currently an assistant professor of graphic design at Beijing's Fashion Institute. Professors Lin Xia Jiang and Richard Ross traveled to China at the beginning of May 2006 on a faculty incentive grant, delivering lectures at CNU and Guangzhou University on "Visual Analogy and Metaphor in Graphic Design" and "Teaching Practices in Studio Art Instruction in American Higher Education." In addition, Professor Ross team-taught a class of graphic design freshmen at CNU.



Criminal Justice Department with CNU

Dr. Lin's collaborative project is a comparative study of e-commerce, practiced increasingly in China and the US. The global reach of the Internet has fueled the growth of online commercial transactions. As e-commerce spreads, its complexity must be properly understood. Placement of an online order is only one component of a larger business transaction. Payment methods, delivery mechanisms, and consumer habits are critical factors, along with the societal, economic, legal, technological, and cultural environments in which the participants operate. The views gathered from students during Dr. Lin's recent visit to CNU will contribute to the preparation of a survey instrument to be administered to student groups at BSC and CNU during the Fall 2006 semester. The analysis and discussion of the resulting data will serve as the basis for further research. The larger objective is to address the potential application and adaptation of the mature American e-commerce model to a rapidly evolving environment in China. ■



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Research Calendar

October

- 4:** Institutional Animal Care and Use Committee
- 16:** Institutional Review Board
- 19:** Faculty/Staff Research and Creativity Fall Forum
- 23:** Research and Creativity Council

November

- 20:** Institutional Review Board
- 27:** Research and Creativity Council

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