I wanted to update you on the budget situation in Illinois as we know it. President Boschini has maintained close contact with individuals in Springfield to make certain ISU is in the know regarding the budget situation. Unfortunately, there are mixed signals coming out of Springfield at this time. His summary judgment at this time is that no-one is certain of the situation. It is frustrating for everyone but I wanted you to know that your leadership is trying to keep abreast of developments to make certain our interests are well served.

COMPREHENSIVE CAMPAIGN
The CAST Dean’s Office has been busy with cultivation events. Over the past two weeks I have attended a regional campaign kickoff in Rockford as well at two events sponsored by the College for alumni in Springfield and Champaign. It is wonderful to visit with alums and hear their accounts of their time on campus. As far as I can tell, our legacy continues. We still offer a supportive environment for students and provide individual attention as hallmarks of how we interact with students.

POTPOURRI
There are few times we gather as a College but the annual Holiday Luncheon [December 9] sponsored by the CAST Council is one of them. I hope this is on your calendar. Please confirm that you will be attending by responding to your e-mail invitation. … This year we will be partnered with the College of Arts and Sciences at Winter Commencement, 9:00 a.m. in Red Bird Arena. I hope you will be able to join us by marching with your faculty colleagues. … Next week we break for Thanksgiving Holiday. When we return, there is only one week of classes and then finals week. The semester has really passed rapidly! Best wishes for a Happy Thanksgiving.

More later……. JRR

RECIPIENTS OF EXTERNAL FUNDING
Dr. Ty Hopkins, assistant professor, and Dr. Steve McCaw, professor, in the School of Kinesiology and Recreation, have recently been awarded a $30,443 grant from the National Athletic Trainers’ Association Research and Education agency. Their research project is entitled “Effects of Knee Joint Effusion and Cryotherapy on Lower Chain Function”. An excerpt from their grant proposal is provided below.

Arthrogenic muscle inhibition (AMI) is an ongoing reflex inhibition of certain joint musculature following distension or damage to the joint. AMI plays a central role in facilitating and maintaining neuromuscular deficits of the quadriceps during joint rehabilitation. AMI also changes the recruitment level of other joint musculature, resulting in potential altered lower chain function. The extent to which therapeutic interventions affect AMI is unknown. However, cryotherapy has been shown to disinhibit the quadriceps following joint injury using a resting measure (H-reflex) of motoneuron pool recruitment, and ankle cryotherapy was shown to increase both soleus H-reflex and plantarflexion torque. More data are needed to determine if joint cryotherapy will result in an increase in lower chain function following joint injury. The purpose of this work is to quantify muscle recruitment changes and lower chain function following joint injury and subsequent joint cryotherapy.

Subjects: Forty-five male and female volunteers (age 18-25) will be randomly assigned to 1 of 3 equal groups (normative, effusion, and effusion/cryotherapy).

Methods: Baseline (pre-injection) measures of ankle, knee, and hip range of motion, torque, and power; knee shear; total work from the lower chain; and integrated and peak vastus medialis (VM), vastus lateralis (VL), medial hamstrings (MH), and gastrocnemius (G) normalized EMG will be collected during the extension phase of a seated recumbent stepping motion with a resistance of 40% of 1 RM and a controlled speed of 1.5 Hz. Following baseline measures, 50 mL of sterile saline will be injected into the knee joint capsule. Once the effusion is confirmed, all measurements will be repeated at 30 min (30 min post-injection) followed by another set of measurements at 60 min (60 min post-injection). Subjects in the effusion/cryotherapy group will have a bag filled with 1.5 L of crushed ice applied to the anterior surface of the knee immediately following injection and removed prior to the 30 min measurement. Dependent variables will be measured at the same time intervals for a normative group, which will not be injected with saline.
Hypotheses: Effusion will result in decreased VM and VL activity and increased MH and G activity. This will correspond to decreased peak knee extensor torque and power and increased peak ankle and hip torque and power. Total work from the lower chain will decrease following effusion. Cryotherapy will reverse the peak muscle activity, torque, power, and total work effects. Range of motion will shift away from full knee extension following effusion and effusion/cryotherapy. Knee shear will decrease following knee effusion and return to normal following cryotherapy.

Relevance: These data will provide evidence whether joint cryotherapy may prevent or lessen the impact of AMI on joint injury and rehabilitation. Reduction of AMI by an intervention such as cryotherapy may allow for earlier activation of musculature and normal lower chain function during joint rehabilitation, allowing for appropriate active exercise and its positive effects on healing and the rehabilitation process. Furthermore, a reduction in AMI may prevent some of the deficits in muscle mass, strength, neuromuscular control, and negative functional adaptations following joint injury. Finally, using this study as a starting point, further work will allow us to determine if a reduction in AMI affects time to return to competition and susceptibility to future injury.

Hopkins and McCaw had this to say when asked what they believe contributed to their success in being awarded this grant. They admit this is not a comprehensive list, and timing and luck probably played a role as well. However, once a funding record is established, it becomes easier to get funding. This is because they get better at planning and writing a grant, and the granting agency sees a successful funding record.

- **Persistence.** “This was a resubmission of the same denied proposal submitted 6 months earlier. Significant revisions were made to the original methodology due to reviewers’ feedback and new ideas. The reviewers from the first submission encouraged resubmission, and it paid off (literally).”

- **Previous data and expertise.** “We were able to show several data sets that helped to build the problem and show expertise with the equipment and methods being used. Two sets of published data (in press) came from URGFY02. These data helped to validate and provide reliability to two new measurement techniques used in this project.”

- **Consultation with other experts in the field.** “By consulting experts in the field and potential reviewers, we were able to get a feel for some of the picky issues that might come up in the review process. It also allowed us to avoid some potential pitfalls in the methodology.”

- **Feasibility.** “We made sure that every possible detail was included to ensure that the project could be completed as proposed.”

- **Organization and attention.** “Grant reviewers in our field want the proposal to be thorough, but to the point. We organized the grant proposal so the reviewer could easily identify all sections and subsections. We built the problem logically, and presented the methodology in an organized fashion. Finally, we thoroughly reviewed the document for any rough sentence structure and copy editing issues.”

---

**APPLIED COMPUTER SCIENCE**

Dr. Robert L. Rariden presented a paper entitled, "The Missing Link: Systems Integration in the IS Curriculum" at ISECON 2002 on November 1st.

Dr. Winn P. Mahatanankoon will be presenting a research paper entitled, “Explaining Production Deviant Use of the Internet Technology in the Workplace: An Integrated Model”, at the 33rd Annual Meeting of the Decision Science Institute. The conference will be held in San Diego, California from November 23-26, 2002.

**AGRICULTURE**

The following papers were presented at the American Society of Agronomy Annual Meetings in Indianapolis, Indiana, November 10-14, 2002:


The Horticulture Club is having its First Annual Poinsettia Sale to help fund participation in the Associated Landscape Contractors of America Student Career Days to be held in Raymond, Alabama in March 2003. Each year over 40 schools and universities participate, and more than 700 horticulture majors attend. This is the biggest job fair for horticulture students in the United States. Red poinsettias are offered at $12. Orders will be accepted until November 27, 2002. Pick up will be at the Ropp Agriculture Building on December 6, 2002.

Dr. Gary Bachman and Dr. Doug Kingman were consulted for an article in the Nov 18, 2002 Vidette concerning the aeration project currently underway on campus.
Listed below are several members of the CJS faculty who made presentations at the recently held Annual Meeting of the American Society of Criminology.

**CRIMINAL JUSTICE SCIENCES**

Drs. Ed Wells and David Falcone presented “Developing a Comprehensive Analysis of Police Organizations in the U.S.” They are also the recent recipients of a grant from the National Institute of Justice to study police organizations.

Dr. Sessa Kethineni was the author of a paper entitled, “Violence of Adolescents towards Parents: An Evaluation of a Treatment Program.” Her paper came from COPS grant from the National Institute of Justice and a URG. She also chaired the session on evaluating treatment effectiveness across populations.

Dr. Jessie Krienert and Dr. Mark Fleisher, formerly of ISU, presented two papers for a panel on foreign and domestic gangs. Those papers were, “The Evolution of Women’s Gangs in an Impoverished African American Community in Champaign, Illinois” and “Residential Networks among Adult Male Gang Members.” Both papers came from a multi-year National Institute of Justice grant.

Dr. Deborah Linnell presented on “Attitudes toward Crime Victim and Police Officer Injury and Disability.”

Dr. Frank Morn presented a paper on “The Chicago Police and the Nineteenth-Century Terrorist Attacks, 1875-1895.”

Dr. Chris Schreck was the co-author of two papers: “Family and Peer-Related Origins of Adolescent Violent Victimization” and “An Examination of Offense Specialization with Self-Report Data: A Statistical Model, Test, and Replication.” His co-authors were from the University of Cincinnati, the University of South Carolina, and Penn State University.

Dr. Bev Smith presented a paper entitled, “Four Cases of Incest in Rural Illinois, 1900-1920,” which was a URG product. Dr. Smith also was the discussant for a panel on the images of women who kill.

Drs. Ralph Weisheit and Ed Wells co-authored “Community Gang Problems and Crime Problems: An Assessment.” This was a product of an NIJ grant to study rural gangs. Dr. Weisheit chaired that session on youth, gangs, and crime.

At the recent Annual Meeting of the Midwestern Criminal Justice Association in Chicago, Dr. Deborah Linnell presented a paper entitled, “Attitudes toward Injured and Disabled Victims of Drunk Driving.” Just last week, Dr. Linnell became a Board Certified Expert in Traumatic Stress and Diplomate, with the National Registry of the American Academy of Experts in Traumatic Stress, which has members in every state and forty foreign countries.

**FAMILY AND CONSUMER SCIENCES**

Dr. Connor Walters will be presenting a paper entitled "Expressed Coping Strategies and Chronic Hypertensive Cardiovascular Disease" with Lisa Lang, M.S., Florida State University, at the annual meeting of the National Council on Family Relations to be held November 20-24, 2002, in Houston, Texas.

Dr. Jean Memken has been appointed associate editor of the Family and Consumer Sciences Research Journal. She will oversee the review of research articles related to housing and household equipment. The Family and Consumer Sciences Research Journal is a research publication of the American Association of Family and Consumer Sciences.

Dr. Mardell Wilson and Lisa Coleman (MS '01) co-authored an article entitled, “Consumers’ Knowledge and Use of Fat Modified Products” which was published in the November 2002 issue of the Journal of Family and Consumer Sciences.

**HEALTH SCIENCES**

Dr. George Byrns had a manuscript published entitled, “Attributions, Stress, and Work-Related Low Back Pain". Author(s): George Byrns ; Jacqueline Agnew ; Barbara Curbow, in Applied Occupational and Environmental Hygiene, Volume: 17 Number: 11 Page: 752 -- 764.

Dr. Mark A. Temple received the American School Health Association's (ASHA) 2002 Distinguished Service Award for his active involvement and leadership related to child, adolescent, and school health issues. Dr. Temple was also appointed as Advocacy Chair for ASHA.

Dr. Temple also co-presented with Adrian R. Lyde, “Building a framework for school health advocacy: A practical and theoretical workshop for advocates”, and with Eva Marx, “Developing the ability of preservice school health professionals to secure funds”.

Dr. Gary Erisman, along with three student members, attended the ASSE meeting held November 12, 2002, in Pekin, Illinois. The speaker was Jim Lapping CSP, PE, who spoke on the ANSI Standards and their use in litigation.

Dr. Marion Micke and a former student, Janice Miller, recently attended the 76th annual conference and exposition of the American School Health Association in Charlotte, North Carolina. They delivered a presentation on "Cutting and other Forms of Self-Harm Among School-Aged Children". The session was well attended by school health leaders, school nurses, social workers, administrators and others involved in improving the health of our nation's young people. Dr. Micke's academic and scholarly focus involves using health behavior analysis to improve health instruction, to create optimal learning environments, and to improve program design.
TECHNOLOGY
A thesis by Mr. Shafiqul Azam, entitled *A Study of Supervisor and Employee Perceptions of Work Attitudes in Information Age Manufacturing Industries* has been selected overall university winner in the James L. Fisher Outstanding Thesis Award Competition. This thesis, chaired by Dr. Paul Brauchle, will become the university's entry in the Midwest Association of Graduate Schools (MAGS) thesis competition. Dr. Rod Custer and Dr. James Kalmbach were the other members of Mr. Azam's thesis committee.

Rodney L. Custer has been invited to serve on a National Research Council (NRC) team charged with developing a set of recommendations for assessing technological literacy on a national scale. This project, funded by the National Science Foundation, is a direct response to a key recommendation of another NRC committee that recently released *Technically Speaking: What All Americans Need to Know About Technology*. The study will occur over the next two years and will culminate in a report and set of recommendations.


Dr. Ryan Brown presented "The Multiplicity of Computer-Aided Rendering and Animation" on November 7, 2002, at the 35th annual conference of the National Association of Industrial Technology in Panama City, Florida.

Dr. Klaus Schmidt presented a paper entitled, "A Model to Integrate On-line Teaching and Learning Tools into the Classroom" at the NAIT 2002 Convention in Panama City, Florida. The paper was also peer reviewed and published in the "Selected Papers 2002".

Dr. Ken Stier made a refereed presentation entitled, "Improving a Manufacturing Program through Curriculum Revisions" at the annual National Association of Industrial Technology (NAIT) Conference in Panama City, Florida on Friday, November 8, 2002.

Dr. Stier was approved to be a team chair of a NAIT Visiting Accreditation Team by the Accreditation Personnel Committee. Visiting teams review the institution's accreditation self-study report, conduct at least a two-day, on-site visit to the institution and prepare a written report for the NAIT Board of Accreditation, including a recommendation relating to the status of accreditation.

Dr. Richard Boser gave a refereed presentation entitled, “Student Engagement and Good Faith Effort Grading: A More Effective Use of Instructional Time” at the recent National Association of Industrial Technology Annual Conference in Panama City, Florida.

IMPORTANT DATES
Thursday-Friday  Thanksgiving Holiday
November 28-29

Monday  CAST Holiday Luncheon
December 9  Old Main Room, BSC
11:30 a.m.-1:30 p.m.

Wednesday  Retirement Reception for Arlene Ashley
December 11  Founders Suite, BSC
3:00-5:00 p.m.

Saturday  Commencement
December 14  CAST ceremony at 9:00 a.m.
Redbird Arena