DEAN'S CORNER

Today is Friday the 13th, so I am sticking to pretty safe stuff in my Dean's Corner today. I hope your day goes well.

On Monday, September 9, I had the opportunity to attend the bi-annual International Manufacturing Technology Show at McCormick Place in Chicago. I attended with two faculty members from the Department of Technology—Kevin Devine and Dave Kennell. There were customers and suppliers from all over the world—truly a world market place. It was delightful meeting several of our former students who are filling important and productive roles in the manufacturing industry.

But wow! I was impressed with America's manufacturing might and ability. Maybe it is a guy thing, but this was tool-time heaven. I also suffered a bit from sticker shock at the price of some of the equipment. We were visiting the show to identify the equipment to be included in a new integrated manufacturing lab we are trying to build and equip. Fortunately, the faculty assured me, the smaller and less expensive versions of many of these machines will teach our students the same concepts as the larger, more expensive versions. Manufacturing products is a competitive industry and our students must learn how to apply a variety of complicated concepts about manufacturing to be contributing, productive employees for these companies.

The sophistication of these machines is intriguing and one can be lulled into a trance watching them perform complex actions at high speeds. This speed is both good and bad. One can manufacture a lot of parts very quickly. Unfortunately, one can make a lot of unacceptable parts before errors are found. Procedures for real time monitoring of quality control in the manufacturing process is an emerging and important contributor to remaining competitive. The new lab we will develop should provide us additional capability to teach our students the concepts needed to be productive in this newly emerging, high speed, computer integrated, manufacturing environment.

We hope the majority of the cost of developing this lab will be provided by part of our grant from Caterpillar Corporation. But one of our continuing budget struggles is to convince the campus that in CAST we teach technology in addition to using technology to teach. In most cases, if we do not have current, up to date technology, our instructional programs and students suffer. Your help in keeping the campus aware of this need is appreciated.

More later…. JRR

CAST OFFICE

Mr. James Hearn joins CAST as a Microcomputer Support Specialist, assisting faculty, staff, and student labs primarily in Health Sciences and Criminal Justice. Jim brings over two and one-half years work experience in desktop support/lan administration, with experience performing installations, OS patching and software upgrades, migrations, and support within a Windows 2000, NT, and Exchange environment. A former teacher, Jim has a Masters degree in Education and has taught basic math, writing, and computer-based GED teacher, Jim has a Masters degree in Education and has taught basic math, writing, and computer-based GED

CAST RESEARCH OFFICE

Tips for Writing Grants for Foundation Funding

The Center for Mathematics, Science, and Technology (CeMAST), located in the Professional Development Building on Main Street, has secured the ability to access the online database for The Foundation Directory. While individual CAST Faculty...
The following tips were provided in the May 2002 issue of the bulletin entitled *Foundation Grants Alert: Supplement to Federal Grants & Contracts Weekly: Review, rewrite, reword, and revise.* These are the four R’s that must be used again and again in the proposal writing process to create a successful grant request, said Jill Pranger, Certified Fund Raising Executive, at the Association of Fund Raising Professionals’ international conference in St. Louis, Mo., last month."

"Before the writing begins, you need to be confident and know your organization—its mission, its purpose—in boilerplate language that you can use over and over."

"But once the crafting of the proposal is well underway, Pranger has a few suggestions that will help make the proposal targeted and easier to read. Keep these in mind as you review, rewrite, reword, and revise:

- Change passive voice to active voice.
- Remove all clichés—trite phrases or expressions. Find other words to use.
- Take out every unnecessary “that.”
- If there are long lists, shorten them.
- Remove useless details (if funders wants to know, they will ask).
- Don’t ever use “etc.” If there’s more to say, say it. If there’s not, don’t try to fake the funder out by using it.
- Make short paragraphs—about three or four sentences long.
- Remove run-on or complex sentences.
- Limit “devices”—such as underlining, bold type, italics, dashes, and different fonts. Yet, still make it interesting.
- Use anecdotes and quotes with care. Make certain they are relevant…. Let them help advance your story—not become a story themselves."

"As you are writing, make time to go away from it for a while, Pranger said, so you can go back and look at it with fresh eye. At this point, you will use the four R’s to guide you….Also, have someone else read it and give you comments, including someone who knows nothing about the program….Every word you use in the proposal should be directed to the goal" (pp. 1-2).

**ISU Research/Creativity Profile Database**

The new Research/Creativity Profile Database is up and running. A minor kink was recently fixed. CAST faculty and staff can access the database on the University Research and Sponsored Programs webpages, more specifically, at: www.research.uro.ilstu.edu/research/register/register.html

The effectiveness of the database will be based on the number of faculty and staff who enter and update their data on a regular basis, as well as on the number of people who use the database to learn of the research interests of colleagues for purposes of 1) finding collaborators for research projects and 2) sharing information about possible funding for research efforts. To encourage participation on part of CAST faculty, an incentive has been created. See the flyer featured elsewhere in this newsletter about a drawing.

Faculty members new to CAST have been entering data about their research interests into the Research/Creativity Profile Database. As a means of introducing several of them to the rest of the College, the following information has been taken from the database. Consult the database for more details about these scholars.

**Dr. Gary Robert Bachman** recently joined the Department of Agriculture as an Assistant Professor. Gary indicated in his ISU Research/Creativity Profile that he would be interested in collaborative work and stated that his expertise lies in plant growth regulation of herbaceous perennials, seed germination enhancement of herbaceous perennials, and the use of vermicompost as container media amendments.

**Dr. Julianne Trautmann** is a new Assistant Professor in the Department of Family and Consumer Sciences. She is interested in collaborative work and states in her ISU Research/Creativity Profile that she has expertise and interest in body image, body modifications, body supplements, dress, dressmakers, eating disorders, Electronic Commerce, historical research, and rural consumers.

**Dr. Christopher J. Schreck** has recently joined the Department of Criminal Justice Sciences as an Assistant Professor. Chris is very interested in collaborative work and has statistical expertise in multivariate analyses, SPSS, LISREL, and SAS, and states that his research interests are in criminological theory, school crime, and victimization.

**Ruth Miller** has recently joined the Department of Applied Consumer Sciences as an Assistant Professor. Ruth indicated in her ISU Research/Creativity Profile that she would be interested in collaborative work and has expertise in agent systems, database design, database management systems, information systems management, and XML.

**Dr. Chu J. Jong** has recently joined the Department of Applied Consumer Sciences as an Assistant Professor. Chu indicated in his ISU Research/Creativity Profile that he would be interested in collaborative work and has expertise in parallel systems, cluster workstation, parallel tools, and scalability.
Dr. Rex E. Pereira has recently joined the Department of Applied Consumer Sciences as an Assistant Professor. Rex stated in his ISU Research/Creativity Profile that he would be interested in collaborative work and has statistical expertise in ANOVA, SPAS, SASS, LIRE, multivariate regression, and experiment design and analysis. His research interests are primarily in electronic commerce, information systems management, and user acceptance of IT.

AGRICULTURE

Dr. Gary Bachman joins the faculty of the Agriculture Department as a Professor of Horticulture. Dr. Bachman earned a B.S. in Turf Management and an M.S. in Horticulture at Clemson University, and a Ph.D. in Horticulture at The Ohio State University. For the last four years he was at Tennessee Tech University where he advised the Nursery/Landscape Management Concentration and worked closely with the ornamental nursery industry in Tennessee and the Southeast. Gary’s research interests include using vermicompost as a media amendment, herbaceous perennial plant growth regulation, and improving seed germination of herbaceous perennials. Before finishing his education he was a department manager for GTE Corporation for 13 years. Gary’s wife Katie, is with the Honors Program at Tennessee Tech. His two daughters, Ann and Rachel are both students at Tennessee studying Fine Arts and Computer Science, respectively. Gary invites you to stop by his office for advice on lawn care, gardening and floral design.

Gary R. Bachman and W. Edgar Davis have presented the following at the Southern Nursery Association Research Conference in Atlanta, Georgia:

Colored Reflective Surfaces Affect Herbaceous Perennial Growth, Brooke Leigh Burn

Use of Animal Bedding as Media for Container-grown Perennials, Enida Hadziabdic

Enhancing Germination of Echinacea Species, John Clifford Thompson

R. L. Rhykerd had the following articles published:


APPLIED COMPUTER SCIENCE

Dr. Joseph Wen was the Program Chair of the 12th ACME International Conference on Pacific Rim Management held in Los Angeles, August 1-3, 2002. The conference was a forum for researchers and practitioners from all countries of the world. This year there were 125 regular paper presentations from Australia, Canada, China, Finland, Hong Kong, Taiwan, and USA. The conference featured 2 keynote addresses, 6 special panels, and 42 contributed paper sessions which covered most of the key areas in management, such as Accounting, E-commerce, Enterprise Information Systems, Finance, Marketing, Management, Regional and Global Economics, Web Technology, Management Information Systems, and Transportation Management.

Dr. Mary Elaine Califf presented a paper entitled, "Efficient and Effective Induction of First Order Decision Lists", at the Conference on Inductive Logic Programming in Sydney, Australia, July 8-10, 2002.


CRIMINAL JUSTICE SCIENCES

Dr. Chris Schreck has been appointed Deputy Editor of the Journal of Crime and Justice, which is the official journal of the Midwestern Criminal Justice Association.

FAMILY & CONSUMER SCIENCES

Dr. Sharon Pate attended the American Family and Consumer Sciences conference held in Dallas, Texas in June, where she represented the Illinois Association of Family and Consumer Sciences as President-Elect of the Illinois Association. Also, Dr. Pate presented at the International Textile and Apparel Conference in New York City in August. She presented The Authentic Virtual Buying Experience: Developing Future Buyers Through Collaboration With A Teen Target Market; The Influence of a Mandatory School Uniform on Juvenile Delinquency in Urban School Districts, and was part of a Special Topic panel discussion, The Now What: Textiles: Commonalities.
Dr. María E. Canabal, and Dr. Klaus Schmidt, (TEC), visited the European School for Consumers (Escuela Europea de Consumidores) in Santander (Cantabria), Spain this summer, where Erin Lausch, undergraduate student from FCS, was doing her Professional Practice.

Dr. Mardell Wilson had an article entitled, "Dietetic Preceptors Perceive Their Role to Include a Variety of Elements", published in the July 2002 issue of the Journal of the American Dietetic Association.


Lisa Lee, Scott Brouette and Barb Gallick, all head teachers at the Child Care Center, were the Keynote speakers at the STARnet Day Camp for Early Childhood Educators held in Decatur, IL on August 13, 2002. Their keynote presentation was entitled "Introduction to the Project Approach". They also conducted four breakout sessions on "Creating Topic Webs: Teacher Planning Webs and Child Generated Idea Webs".

HEALTH SCIENCES

Dr. Gary Erisman and Paul Ronczkowski attended the American Society of Safety Engineers Central Illinois Chapter meeting on September 10, 2002. Several safety majors also attended and acted as victims for a presentation given on incident investigation photography. The meeting was held at State Farm Illinois Regional Headquarters in Bloomington.

KINESIOLOGY AND RECREATION

The fourth edition of Measurement and Evaluation in Physical Education and Exercise Science was recently published. Alan Lacy is the lead author of the textbook, and both Margo Coleman and Kristen Lagally contributed new chapters to this new edition. Lacy also produced an Instructor’s Manual/Test Bank to accompany the textbook.

Former graduate student Heather Medema, Drs. Steve McCaw, Kristen Lagally and Dave Thomas, and undergraduate Geoff Young, presented, Factors affecting muscle activity during the bench press in females, at the Annual Meeting of the American College of Sports Medicine in St Louis, June 2002. Dr. McCaw also served as moderator of a free communication session on Balance.

Dr. Steve McCaw received a Jump Rope for Heart Grant from the Illinois Association for Health, Physical Education, Recreation and Dance for a project entitled Grip width and bar load effects on 3D kinematics during the bench press by experienced and inexperienced females.

Barbara Elwood Schlatter had an article entitled, "Faculty Diversity in the 21st Century", published in LARNet: The Cyber Journal of Applied Leisure and Recreation Research this August. The article is available online at: http://www.nccu.edu/larnet/

Douglas Michele Turco’s co-authored textbook, Sport tourism, was published as part of Fitness Information Technology, Inc.’s Sport Management Library.

Dr. Steve McCaw was appointed to a three year term as chair of the Education Committee of the American Society of Biomechanics. The committee is responsible for planning tutorials at the annual meeting, as well as coordinating activities of the student section of the ASB.

TECHNOLOGY

The paper, "E-Commerce Privacy and Security: Degree of Awareness Among College Students", by Dr. Klaus Schmidt and Dr. María E. Canabal, (FCS), was accepted for presentation at the World Conference on E-Learning in Corporate, Government, Healthcare & Higher Education, hosted by AACE, the Association for the Advancement of Computing in Education. The paper will be presented by Dr. Schmidt on October 17/18, 2002 in Montreal, Canada.

Ryan Brown, Kevin Devine, Dave Kennell, and Ken Stier attended the International Manufacturing Technology Show at the McCormick Complex in Chicago on Friday, Sept. 6, with approximately 30 students.
## IMPORTANT DATES

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<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>Friday</td>
<td>CAST New Faculty Orientation</td>
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<tr>
<td>September 20</td>
<td>Turner 104A    Noon to 3:30 pm (note change in location)</td>
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<td>Friday</td>
<td>Outstanding Graduate Student Research Award nominations due to</td>
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<tr>
<td>September 20</td>
<td>CAST Research Office by 9:00 am</td>
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<tr>
<td>Friday</td>
<td>University Research Grant (URG) Proposal Writing Workshop</td>
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<tr>
<td>September 27</td>
<td>Turner 104A  10:00-11:00 am</td>
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<tr>
<td>Friday</td>
<td>University Outstanding Researcher and Research Initiative Award</td>
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<td>October 4</td>
<td>materials due to the CAST Research Office</td>
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<tr>
<td>Wednesday</td>
<td>University Research and Sponsored Programs Office Open House</td>
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<tr>
<td>October 9</td>
<td>Hovey 310  2:00-4:00 pm</td>
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<tr>
<td>Friday</td>
<td>CAST Outstanding Teacher and CAST Outstanding Service Award materials</td>
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<tr>
<td>October 11</td>
<td>due to the CAST Office</td>
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<tr>
<td>Friday</td>
<td>CAST Outstanding Researcher Award materials due to the CAST Research</td>
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<tr>
<td>October 18</td>
<td>Office by 9:00 am</td>
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<tr>
<td>Monday</td>
<td>Deadline for submitting URG proposals to the CAST Research Office</td>
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<td>October 28</td>
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