

# **R / B** *Research in Brief*

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**October 17, 2003**

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## **Date to Remember**

**Tuesday, October 21, 7 p.m.** - Center for Excellence in the Arts and Humanities Series. Scott Slovic, *A Multidisciplinary Conversation - What's Nature Worth?* followed by a panel discussion. Sun Room, MU.

## **New Patent**

Ryszard Jankowiak, Ames Lab; Chris Schilling, formerly MSE; Gerald Small, Chem; Piotr Tomasiak, Poland, *Method and Apparatus for Ceramic Analysis*, Patent No. 6,541,778

## **Reminder**

Subvention grant applications are due November 3. Guidelines can be found at <http://grants-svr.admin.iastate.edu/vpr/guidelines/subvention.html>.

## **Welcome**

- Tom Shih, professor and chair of aerospace engineering, from Michigan State University.
- Douglas Gentile, assistant professor of psychology, from the National Institute on Media and the Family, Minneapolis.
- Kenneth Malmberg, assistant professor of psychology, from Indiana University.
- Nathaniel Wade, assistant professor of psychology, from the University of Delaware.
- Charles Kerton, assistant professor of physics and astronomy, from the University of Toronto.
- Robert McQueeney, assistant professor of physics and astronomy, from Los Alamos National Laboratory, New Mexico.
- Martin Pohl, assistant professor of physics and astronomy, from the Institut für Theoretische Physik, Ruhr-Universität, Bochum, Germany.
- Leonard Sadosky, assistant professor of history, from the University of Virginia.
- Christopher Curtis, assistant professor of history, from the State University of West Georgia.
- Michael Bailey, assistant professor of history, from St. Louis University.

*John Vincent Atanasoff's  
100th Birthday Celebration*

**Keynote Address: GORDON BELL**  
**Thursday, October 30, 2003 7:30 pm,**  
**Stephens Auditorium - Admission Free**

## **100th Birthday Celebration & International Symposium on Modern Computing Oct. 30-Nov. 1**

Computer pioneer Gordon Bell is a recipient of the National Medal of Technology and the Smithsonian/MCI Information Technology Leadership Award for Innovation and is now a senior researcher at Microsoft. His presentation will include a rare filmed interview of John Vincent Atanasoff discussing his invention of the first digital computer. Comments will also be provided by John Gustafson, principal investigator, High Productivity Computing Systems, Sun Microsystems, Inc.; Alice Rowe Burks, author of "Who Invented the Computer? The Legal Battle That Changed Computing History;" Bulgarian Ambassador Elena Poptodorova; and ISU President Gregory Geoffroy. More information about the symposium is available online at <http://www.ucs.iastate.edu/1103/jva-2003.htm>.

## **Research Compliance Corner**

*How soon can you expect Committee on Animal Care (COAC) approval for either a new project application or modification to an existing application?*

The COAC receives more than 15 – 20 new applications and modifications to existing protocols each week. The federal regulations also require that COAC review of the applications and modifications be meaningful and ensure that the compliance regulations are being adhered to. Due to the large number of applications that are submitted, you should allow at least four to six weeks for new applications and two to four weeks for modifications to an approved study. Please remember that in order to be included in the agenda for the weekly subcommittee meeting, Cathy Meier ([clmeier@iastate.edu](mailto:clmeier@iastate.edu)), COAC Administrator, must receive your application or modification by noon on Wednesday.

October 17, 2003

## The Back Page of RIB

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### Recent Sponsored Funding Awards

- To Oliver Eulenstein and David Fernandez-Baca, Comp Sci, *A Phylogenomic Toolbox for Assembling the Tree of Life Molecular Sequence Databases* from the National Science Foundation, \$976,520
- To Shana Smith, Ind Ed & Tech; Adrian Sannier, IMSE; and Ann Thompson, Curr & Instr; *Integrating Low-Cost Virtual Reality into Design and Technical Graphics Curricula* from the National Science Foundation, \$289,964
- To Paul Flakoll, FSHN, *Nutritional Intervention for Older Adult Muscle Loss* from Metabolic Technologies, Inc., \$50,000
- To Anne Bronikowski, EEOB, *Collaborative Research: Evolution and Ecology of Aging in Natural Populations of Long-Lived Vertebrates* from the National Science Foundation, \$250,000
- To Steve Whitham, PI Path, *Translational Genomics to Decipher Resistance Signaling Pathways* from the USDA, \$162,027
- To Peter Reilly, Chem Eng, *Estimation of Free Energies and Docking of Carbohydrates to Proteins* from the National Science Foundation, \$211,360
- To Jack Lutz, Pavankumar Aduri and Vasant Honavar, Comp Sci; Krishna Athreya, Math; *SGER: Multidisciplinary Aspects of Computation Theory* from the National Science Foundation, \$74,948
- To Douglas Bonett, Psych, *Mixed Meta-Analytic Asymptotic Distribution-Free Standard Errors: Confidence Intervals for Standard Deviations* from the National Science Foundation, \$50,307
- To Joseph Shinar, Phys & Astro; Ruth Shinar, MRC; Louisa Tabatabai, BBMB; *Novel Anthrax Sensors Based on the Structural Integration of an Organic Light Emitting Device and a Luminescent Sensing Component* from the National Science Foundation, \$100,000

### Some Research to Directly Benefit the State of Iowa:

- To Joseph Sebranek and James Dickson, An Sci; Aubrey Mendonca, FSHN; Helen Jensen, Econ; Daniel Henroid, AESHM; Robert Martin, Ag Ed & Studies; *Post-Packaging Irradiation with Modified Atmosphere Packaging for Control of Pathogens on Meat Products* from the USDA, \$500,000
- To Kendall Lamkey, Agron, *Combinatorial Partitioning Method Analysis of Pioneer's Mars Data for Improved Detection of Quantitative Trait Loci* from Pioneer Hi-Bred International, Inc., \$101,506
- To Susana Goggi, Agron, *Seed Quality Evaluation of Corn Germplasm Selected for Adaptation to Sustainable Agriculture Production Practices* from the USDA, \$51,371
- To Charles Schwab, ABE; Steve Freeman, Ind Ed & Tech; Tim Derrick and Jason Gillette, HHP; *Evaluation of Occupational Carrying Tasks for Farm Youth* from the National Institutes of Health, \$255,550
- To Larry Johnson, FSHN, and Chuck Glatz, Chem E, *Technologies to Purify Recombinant Proteins from Plants for Use as Therapeutics and Industrial Enzymes* from the USDA, \$185,744
- To Micheal Owen and Palle Pedersen, Agron, and Greg Tylka, Plant Path; *Validation of Interactions Between Pest Complexes and Soil Characteristics on Soybean* from the Iowa Soybean Promotion Board, \$88,860
- To Mack Shelley, ELPS, and Keli Tallman, Ext to Youth, *Positive Behavioral Supports for Children and Youth* from Drake University, \$112,527

Funding opportunities may be found at <http://grants-svr.admin.iastate.edu/Funding/homepage.html>

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