

COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY
DECEMBER 2004 – JANUARY 2005

GOOD NEWS

BIOLOGICAL SCIENCES

Christopher T. Ruhland, Fusheng S. Xiong, W. Dennis Clark and Thomas A. Day. "The Influence of Ultraviolet-B Radiation on Growth, Hydroxycinnamic Acids and Flavonoids of *Deschampsia antarctica* During Springtime Ozone Depletion in Antarctica." Accepted for publication in *Photochemistry and Photobiology*.

Dr. Dorothy Wrigley, Professor, participated in a delegation on Food Science which met with government and industry leaders in Beijing and Shanghai, Peoples Republic of China, Nov 12-21, 2004. The roundtable discussions covered issues related to government oversight of food processing, development of the Chinese food market for export and import of food items, training and education of food workers, and incidence of food born disease outbreaks and related safety issues.

CHEMISTRY AND GEOLOGY

Dr. Bryce Hoppie, Associate Professor, presented "Thematic Mapper Analyses of Chlorophyll Concentration and Distribution in Small Kettle Lakes, Southern Minnesota" at the Annual AGU Convention in San Francisco on 12/13/04. Former graduate student, Brad Roost, was the co-author of the presentation.

COMPUTER AND INFORMATION SCIENCES

Dr. Allan Hart's proposed tutorial entitled "HIBERNATE IN THE CLASSROOM" has been accepted for presentation at the Eleventh Annual meeting of the Consortium for Computing Sciences in Colleges (CCSC): Central Plains Conference at Washburn University in Topeka KS. The tutorial is scheduled for two consecutive sessions on April 2 from 8:30 to 9:30 a.m. and 9:45 to 10:45 a.m. Dr. Hart is an assistant professor in the Computer and Information Sciences Department. Details of the conference can be found at <http://campus.acm.org/calendar/> using the April calendar.

MATHEMATICS AND STATISTICS

On November 13, members of the Math Club competed in the North Central Section MAA Team Mathematics Contest. There were 66 teams from 26 universities and colleges. We had two teams who competed. Both scored above average and one team just missed scoring in the upper one third. Congratulations Math Club members!

Dr. Namyong Lee, Assistant Professor, authored a research paper, "*Application of Degree Reduction of Polynomial Bezier Curves to Rational Case*", with Y. Park, which was accepted to publish in the Journal of Applied Mathematics and Computing, 2005.

MECHANICAL AND CIVIL ENGINEERING

Civil Engineering students, Kyle Dushane, Mike Krause, and Phil Wacholz, received the Minnesota Section American Council of Engineering Companies (ACEC/MN) Scholarships for 2005-06 academic year. The MSU students garnered three of the seven scholarships given by ACEC/MN. The award banquet will be held in January 2005.

PHYSICS AND ASTRONOMY

Eskridge, P.B., (2004) "Quantifying Bar Strength: Morphology Meets Methodology," in Penetrating Bars Through Masks of Cosmic Dust: The Hubble Tuning Fork Strikes a New Note, Astrophysics & Space Science Library vol. 319. Edited by D.L. Block, I. Puerari, K.C. Freeman, R. Groess & E.K. Block (Springer, Dordrecht). p. 667.

Dr. Hai-Sheng Wu, Associate Professor, has been awarded the Flies Fellowship, applied for during the Fall Semester 2004 competition.