

**COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY
MAY 2002**

GOOD NEWS

BIOLOGICAL SCIENCES

As a result of a year-long effort by Drs. Bill Bessler and Daryl Adams, McGraw-Hill Higher Education Publishing Company is making the required text and lab manual for Biology 100 - Our Natural World available on-line beginning in fall 2002. All students in the class will have the option of purchasing the required text and lab manual for the class as an e-book rather than the traditional hardcover printed version. According to the textbook manager at the Barnes and Nobles campus bookstore, this is the first time a class on our campus has offered the required text electronically.

Paper presented by *Bentley MD*, Ortiz MC, Ritman EL, Romero JC. The use of microcomputed tomography to study microvasculature in small rodents. *Am J Physiol* 282: R1267-R1279, 2002.

Poster Presentation by Chinery R, Kipp BR, Grisham MB, Ritman EL, *Bentley MD*. Characterization of angiogenic activity within spontaneous colonic tumors from mice with disrupted IL-10 expression. American Gastroenterology Association Meeting (at Digestive Disease Week, May 19-22, 2002) San Francisco, CA. Part of this poster presents the results of Benjamin Kipp's MSU Masters thesis research and has been selected as a Poster of Distinction for the meeting.

CHEMISTRY AND GEOLOGY

Twelve chemistry majors, enrolled in Chemistry 495 Senior Seminar, participated in a department-wide poster session on April 22. These students presented the results of their research, both laboratory and library research were represented.

COMPUTER AND INFORMATION SCIENCES

Dr. Colin Wightman has accepted an ASEE/Navy Summer Faculty Fellowship to perform research in Speech and Natural Languages at the Naval Research Laboratory in Washington, DC.

Professor Steve Case received a contract research grant from SpeechGear for \$70,766. The funding will be used to sponsor undergraduate and graduate research on three initiatives. First, development of handheld technologies for translation of digital imagery; second, development of a user-friendly, mobile application of a language dictionary utilizing contextual information to facilitate language translation; and third, development of an optical character recognition (OCR) framework that is scalable and portable to mobile computing platforms. Professor Case also received a grant of \$4,000 from JAJ Associations. This is a follow-up grant to previous funding in the area of user interface development for industrial and avionic sensors. On May 2, Professor Case gave a presentation at Case Western Reserve University as part of the No Strings Attached Conference. The title of the presentation was "Incorporating Wireless and Mobile Technology into the Computer Science Curriculum". This was an invited presentation highlighting the wireless initiatives here at MSU, the new course on mobile data communications, and the work of the Center for Advanced Telecommunications.

Professor Case will be moderating the wireless communication session of the 2002 ISA Western Regional Conference, to be held in Las Vegas on June 18th and 19th.

ELECTRICAL & COMPUTER ENGINEERING AND TECHNOLOGY

Dr. Han-Way Huang had a textbook published by Delmar Thompson Learning, entitled "The 68HC12-- An Introduction", 800 pages. This is a book about the Motorola 16-bit microcontroller.

Thirty-four Mechanical Engineering and Electrical Engineering students took the Fundamentals of Engineering Examination on 20 April. This exam is the first step in professional registration for engineers.

The joint project regarding solar cells between Thin Film Technology and MNSU-Mankato was initiated with two seminars (April 17 and 24) at TFT. Personnel from TFT and students from MNSU-Mankato attended. The seminars were presented by Dr. Hai-Sheng Wu of Physics and Dr. Paul Lindfors of ECET.

MATHEMATICS AND STATISTICS

Dr. Dan Singer presented a math colloquium entitled "On Partition Identities and the Involution Principle" in the Department of Math and Statistics on April 24, 2002.

Dr. Namyong Lee gave a presentation at the Mathematical Association of America's Spring Section Meeting. The title was "A Partial Differential-Difference Equation". Dr. Lee will be attending the SCA (symbolic computational algebra) 2002 Conference at the University of Western Ontario this upcoming summer.