

THE CAMPAIGN FOR MSU MSU PARTNERS

FALL/WINTER 2004

HONG KONG FOUNDATION SPONSORS U.S.-CHINA EDUCATION CENTER

"In business, when we find a successful model, we try to replicate it," said Jonathan Choi, president of Sun Wah Group and chairperson of Sun Wah Education Foundation, commenting on the foundation's \$5 million grant to MSU to establish the U.S.-China Center for Research on Educational Excellence. "I hope this center will identify, study, and thus come to understand effective educational

practices in China and the United States through empirical and theoretical research."

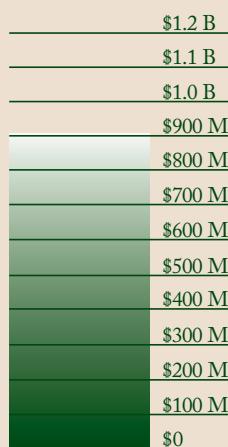
Established in early 2004, the center is headquartered at Michigan State University and directed by Yong Zhao, professor of educational psychology and technology in the Department of Counseling, Educational Psychology and Special Education in the College of Education. An essential goal of

continued on page 2



Jonathan Choi, president of Sun Wah Group and chairperson of Sun Wah Education Foundation, and Peter McPherson, president of MSU, shake hands after signing a \$5 million gift agreement.

THE CAMPAIGN FOR MSU



CAMPAIN GOAL: \$1.2 BILLION
STATUS TO GOAL: \$905.6 MILLION

As of October 31, 2004

NEW ENDOWED CHAIR IN COLLEGE OF OSTEOPATHIC MEDICINE

The Osteopathic Heritage Foundation has awarded \$1.5 million to Michigan State University to establish a new professorship in the MSU College of Osteopathic Medicine (MSUCOM). The foundation's grant will allow the college to add a leader in biomedical research to the MSUCOM faculty.

The Osteopathic Heritage Foundation's history dates back to the 1960s when it was the corporate

member of the Doctors Hospital health system, a premiere osteopathic post-graduate training program in Columbus, Ohio. The foundation is committed to improving community health care by supporting osteopathic medical education and research. Although its efforts are concentrated primarily in central Ohio, the Osteopathic Heritage Foundation recognizes MSUCOM's importance as a provider of osteopathic education for the region.

continued on page 3

PARK DEAVER FOUNDATION DOUBLES SCHOLARSHIP SUPPORT

In 1998, the Marion Park and Harry Gilbert Deaver Foundation established an endowment in the MSU College of Engineering. This spring, Dr. Gerald Park visited the MSU campus on behalf of the foundation to add to its gift. The new donation of \$100,000 doubles the Park Deaver Endowment Fund, which provides scholarships for qualified MSU engineering students from Florida, Minnesota or Wisconsin.

(pictured from left) Gerald Park, professor of electrical engineering emeritus, presents the foundation's \$100,000 check to Janie Fouke, dean of the College of Engineering. Park Deaver Scholar Nicholas Brake of Miami, Florida was also on hand to thank Dr. Park for the foundation's assistance to out-of-state engineering students. Brake is a senior in the Department of Civil Engineering.



Hong Kong Foundation continued from page 1

the center is to refine effective models that can be implemented in schools in China and can inform efforts to transform education in the United States.

"Our research is systemic in nature rather than specific to a subject like mathematics or science," said Zhao. "We want to look at the whole school and what works. Great schools are widely recognized for their standards of excellence and for achieving those standards. We want to know as much as we can about these schools in China and the United States."

The center is moving ahead rapidly on several tracks:

- Top educators and education scholars from the United States and Australia visited China this summer for a two-day seminar on models of assessment and accountability in western education. More than 300 Chinese teachers, administrators and ministry officials attended the conference.
- Efforts are under way to publish a book based on the topics covered in the seminar.

- In October, Dr. Zhong Binling, president of Beijing Normal University, was the featured speaker at MSU on the subject of higher education reform in China. Beijing Normal University has historically been at the leading edge of post-secondary education reform in China.
- A new website called "X-Pacific" has been launched. Visitors to the website can compare life in two middle schools—one in the United States and one in China. Matched representatives from the faculty, student body and administration of each school have agreed to provide weekly information on a particular theme associated with school life. X-Pacific, which stands for "across the Pacific," can be accessed at <http://ott.educ.msu.edu/x-pacific>.

"In creating this center, the Sun Wah Education Foundation has made a wonderful investment in the future of education in both China and the United States," said MSU President Peter McPherson. "We at

Michigan State University believe strongly in engaging in research and development with partners throughout the world. The new center is a perfect example of that collaborative spirit. I expect that what we learn about great schools and teaching through this partnership will impact the lives of students in both nations."

The center is directed by a four-member board with two members appointed by MSU and two by the Sun Wah Education Foundation. Mr. Choi is its first chairperson. The Sun Wah Group is a leader in supporting education at all levels throughout China. Jonathan Choi serves as economic advisor to the president of the Chinese Academy of Sciences and on the boards of directors for Fudan University, Nanjing University, Hong Kong University of Science and Technology, and Hong Kong Polytechnic University.

DEROY FOUNDATION GIVES STEADY SUPPORT

"It is important to our students and to our program to have the kind of long-term, steady support we receive from the DeRoy Testamentary Foundation," said Ernest S. Betts, assistant dean for Multicultural Business Programs at Michigan State University. Over nearly two decades, the DeRoy Testamentary Foundation has committed more than \$900,000 in donations to MSU programs.

Notably, the foundation makes regular, annual gifts to the Multicultural Business Programs (MBP) in the Eli Broad College of Business. This year, the DeRoy Foundation renewed its support for MSU with a three-year pledge of \$150,000. Two-thirds will continue the foundation's assistance to the MBP, and the remaining \$50,000 will go to the James B. Henry Executive Development Center.

"The trustees of DeRoy Testamentary Foundation have been quite pleased with the accomplishments of MSU in stewarding the investment our foundation has made to enhance student education at

Michigan State University," said Foundation President Arthur Rodecker. "Of particular interest have been the Multicultural Business Programs, which provide opportunities for students to develop full academic and career potentials."

The Multicultural Business Programs improve the recruitment, retention, and graduation rate of multicultural students. MBP provides continuing support to graduation, with individualized academic counseling, career development, and placement. The programs are primarily funded by corporate gifts and the university general fund. More than 650 multicultural students enrolled in business or pre-business majors are currently being served through the MBP.

"The DeRoy Foundation gifts are not limited to a specific aspect of our work," said Dr. Betts. "That gives us the latitude to apply the DeRoy funds where they will be of greatest use in any given year, whether for guest speakers, special seminars, counseling, tutoring, or individual student assistance. As a result of this type of com-

mitment, many students, especially of color, who have participated in MBP, have gone on to complete their master's of business administration and Ph.D. degrees."

The Henry Center held its grand opening in 2001. The center's programs may be customized to meet the needs of business and industry for the continuing education of managers and executives. The 96,000-square-foot building houses the Eli Broad Graduate School of Management's Executive Development Programs and provides a top-notch learning environment for master's degree programs, including Weekend MBA, MS Logistics, and MS Manufacturing & Innovation. In 2002, the center was recognized with first and second place honors from the Association for University Interior Designers, and in 2003 the American Institute of Architects awarded the Henry Center a citation of merit. The Michigan Chapter of Meeting Professionals International also recently awarded the Henry Center Complex the 2004 Silver Platter Award, its highest honor.

Endowed Chair continued from page 1

"MSUCOM has an excellent reputation for graduating high quality osteopathic physicians," said Rick Vincent, foundation president. "In addition, the school has made a significant commitment to enhance the research culture not only in Michigan but also throughout the osteopathic profession. The foundation's contribution is an additional demonstration of our support of osteopathic medical care and research. We're proud to

collaborate with MSUCOM in advancing this effort."

MSUCOM was established in 1969 by an act of the Michigan legislature. It is the nation's first state-supported osteopathic college. More than 3,000 physicians have graduated from the college, and the majority have established practices in Michigan and neighboring states.

Dr. Justin McCormick, associate dean for research, is enthusiastic

about adding a senior faculty position. "This endowed professorship offers Michigan State University College of Osteopathic Medicine the opportunity to hire a world-class researcher who will serve as one of the foci for biomedical research in the college. This furthers our mission to bring scientific findings from bench to bedside."

WRITING IN DIGITAL SPACE

Technology revolutionizes everything—including writing.

A new center at Michigan State University has been created to research and share understanding of writing with digital media: The Writing in Digital Environments Research Center (WIDE).

Through its research, information sharing and contract services, WIDE

usability of media technologies; employee training; consulting; assistance with website design, digital products and online information.

- Develop digital information products—user interfaces, online documentation, curricula, multimedia products.

We want to engage in work that is exciting; that has a real impact on communities and organizations.

will influence writing curricula at MSU and other universities and help business, industry, government, non-profit and community organizations, and educators become more knowledgeable and effective in their development of information, their design of digital products and their use of information technologies.

Funded through a Strategic Partnership Grant from the MSU Foundation, the mission of the WIDE Center is to:

- Conduct basic research on how people write with advanced information technologies. Research will explore the impact of new media technologies on specific businesses, communities, and other organizations.
- Perform contract work for business, industry, government and other clients. Types of services the WIDE Center is highly qualified to provide include evaluating

- Disseminate widely the results of the center's work through traditional publication but also through the WIDE website in an effort to have a greater impact on a much wider audience.

"We have always had a strong writing program at Michigan State University," said Dr. Jeff Grabill, co-director of the WIDE Research Center. "The Writing Center on campus, three writing degree programs for bachelor's, master's, and doctoral students, and now WIDE have positioned MSU for great success, particularly in the field of technical and professional writing."

"Our research focus sounds simple," Dr. Grabill continued. "How should written information be designed for use in digital formats? People in different fields have different interpretations of this question. Someone in communication media or graphic arts will have a complete-

ly different perspective than an accountant, who will also have a different view than a student."

Dr. Grabill explained the vision of the WIDE Research Center: "The most powerful and useful research will strategically match faculty from across relevant disciplines and encourage them to address the real-world needs of business, government, schools and other institutions that are working to develop useful, well-designed information for clients, customers, students and the public. We want to engage in work that is exciting; that has a real impact on communities and organizations."

WIDE/Michigan State University has been asked to host a digital media institute during summer 2005. Faculty from other major universities throughout the Midwest will attend. The focus of the institute will be on how to teach people to write more effectively with digital media to support their teaching and learning. The institute promises to have a significant impact on writing instruction at universities in the United States.

For additional information about WIDE, its goals and its services, please contact:

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DAIMLERCHRYSLER JOINS WILLIAMS GIVING SOCIETY

MSU President Peter McPherson visited Chrysler Group President and CEO Dieter Zetsche in May 2004 to welcome DaimlerChrysler Corporation Fund into the Joseph R. Williams Society, Michigan State University's donor club that recognizes the generosity of benefactors who give \$5 million or more to the university.

During that visit, Dr. Zetsche joined DaimlerChrysler Corporation Fund President Frank Fountain in presenting President McPherson with a mock check representing the company's most recent gift to MSU in the amount of \$185,000.

Through its Aid to Higher Education Program, DaimlerChrysler Corporation and its charitable foundation, the DaimlerChrysler

Corporation Fund, provide annual assistance to MSU and other colleges and universities throughout the United States.



MSU President Peter McPherson (left) accepts a \$185,000 donation from the DaimlerChrysler Corporation Fund. Presenting the check are (l to r) Frank Fountain, president of the DaimlerChrysler Corporation Fund, Sue Unger, chief information officer, and Dr. Dieter Zetsche, president and CEO, Chrysler Group, DaimlerChrysler Corporation.

GIFT OF PATENTS FROM DUPONT

Michigan State University has received a gift of patents from DuPont, along with funds to support research and other costs of developing the donated technologies.

"We are pleased to provide Michigan State University with this intellectual property," said Nick Fanandakis, vice president and general manager of DuPont Chemical Solutions Enterprise. "We find that a very productive use of embryonic technology is a donation to a non-profit organization like MSU. This process puts the technology in the hands of competent researchers where the development work can be continued."

The three DuPont patents deal with zeolites, a group of more than 50 minerals that occur naturally plus more than 100 synthetic zeolite structures. An important characteristic of zeolites is that, although they are crystalline and porous, they remain rigid in water.

Zeolites can be adapted for many uses, such as:

- catalysts for petroleum processing and organic chemical conversions
- absorbents for cleaning up oil spills and other environmental pollutants
- gas separation agents
- agents for site remediation and decontamination of radioactive wastes

University Distinguished Professor Thomas Pinnavaia will serve as the primary investigator for research involving the DuPont patents. Dr. Pinnavaia's research experience in materials chemistry and his more than 40 related patents helped influence DuPont's choice of MSU to receive the patents.

One area in which Dr. Pinnavaia and his research group will focus is the improved processing of petroleum, which can provide significant economic and environmental benefits.

MSU will maintain the patents in force for at least two years, continue to support research in this area, and pursue licensing of the donated patents.

CANADA AND U.S. RELATIONS TO BE FOCUS OF YEARLY FORUM

Trade and commerce, jobs, tourism, and the Great Lakes environment are just a few of the topics that will be explored in depth at a new annual forum hosted by the Michigan State University Canadian Studies Centre.

Funding for the CN Forum on Canada-U.S. Relations comes from a \$200,000 endowment established by CN. The CN Forum will provide a venue for researchers, government and business, students, the media and the general public to discuss important issues in Canada-U.S. relations. Each annual forum will feature a keynote address by an internationally recognized speaker, the CN Distinguished Lecturer, and discussions of key topics led by prominent leaders of business and government from Michigan and Ontario.

The state of Michigan and the province of Ontario share a long border and a close, cooperative history. If the North American auto industry experiences economic problems, Michigan and Ontario share that concern. If Great Lakes water levels recede, we share that concern. If tourism, recreation and sporting activity declines,

Michigan and Ontario share that concern. Because of this overlapping interest in economic and environmental matters, the CN Forum represents an excellent opportunity once a year for substantive examination of key issues.

In addition to offering an open dialogue, the CN Forum will add value for MSU students. The CN Distinguished Lecturer will spend a week at MSU, speaking to classes and seminars that deal with such issues as public policy, trade,

Handrick, acting director of the Canadian Studies Centre. "We have a very successful international studies program and a strong international presence on campus. Many of our students will go on to careers where it is important to understand how international relations can affect jobs, commerce and important aspects of their daily lives. CN has done a great service for our students and for the general benefit by sponsoring this forum."

If the North American auto industry experiences economic problems, Michigan and Ontario share that concern.

transportation, supply chain management, business and other disciplines. Also, the university will coordinate with off-campus groups, such as the Lansing Business Association, the Economic Club of Detroit or the Canada-U.S. Business Association, to arrange for the CN Distinguished Lecturer to address their membership.

The CN grant also makes it possible for MSU graduate and undergraduate students to compete for a scholarship award in an annual essay competition that focuses on Canada-U.S. relations. The winning CN Student Fellows will be recognized publicly at the CN Forum.

"It is a great honor for Michigan State University to host this annual event," said Dr. Phil

CN spans Canada and mid-America, from the Atlantic and Pacific oceans to the Gulf of Mexico, providing rail service to the ports of Vancouver, Prince Rupert, B.C., Montreal, Halifax, New Orleans, and Mobile, Ala., and the key cities of Toronto, Buffalo, Chicago, Detroit, Duluth, Minn./Superior, Wis., Green Bay, Wis., Minneapolis/St. Paul, Memphis, St. Louis, and Jackson, Miss., with connections to all points in North America.

DART FOUNDATION SPONSORS SCIENCE OLYMPIAD

For some K-12 students, their favorite school team has nothing to do with sports. Science Olympiad teams across the United States proudly wear their school colors at competitions that test their problem-solving skills, challenge their creativity, and reward their teamwork and initiative.

Michigan State University and the Michigan Science Olympiad joined together 15 years ago to support these teams and recently welcomed a third major partner, the Dart Foundation of Mason, Michigan. The Dart Foundation's tradition of supporting science and math education to benefit schoolchildren is underscored by its enthusiasm for the Science Olympiad program.

A grant from the Dart Foundation makes it possible for middle and high school students from across the state of Michigan to have the chance to compete at Michigan State University in Science Olympiad state tournament activities through the next five years. The grant of \$328,690 from the Dart Foundation will help fund the annual Michigan Science Olympiad state tournament, enable first-time schools to develop Science Olympiad programs, and support evaluation of the program's impact on science education in Michigan schools.

"We believe this partnership with Michigan Science Olympiad and Michigan State University offers an excellent opportunity to enhance science experiences for students in our state," said Dart Foundation Vice President James D. Lammers. "We

are proud to sponsor a program that fosters teamwork, leadership, communication and problem-solving skills for students who are likely to make positive scientific contributions in the future."

Science Olympiad is a national academic competition. Schools assemble teams of 15 students to compete in 23 events that involve many areas of science, math, engineering and technology. The events allow students to work in teams and apply science in practical, but fun, situations. For instance, middle school students in Science Crime Lab try to identify the perpetrators in a crime scenario by using forensic techniques such as chromatography, analysis of unknown substances, and the analysis of fingerprints, hair, shoe prints and tire treads.

In Michigan, more than 550 teams involving over 8,000 students participate in regional Science Olympiads around the state. Every April, 96 schools (1,400 students) advance to the state tournament held on the MSU campus. From there, the top teams advance to the National Science Olympiad.

Michigan State University and the MSU Division of Science and Mathematics Education have hosted the Michigan Science Olympiad state tournament for 15 years. Throughout the long day of events, middle and high school students, teachers, parents and coaches can



The Grand Haven High School team celebrates its first place finish at the 2004 Michigan Science Olympiad Tournament.

interact with science and engineering faculty, researchers and university students. The university environment and the involvement of these mentors reinforce the students' confidence that they, too, can pursue careers in science, math, engineering and technology.

"The Dart Foundation grant ensures the continuation of our highly successful partnership with Michigan State University," said John Bartley, state director of Michigan Science Olympiad. "This longstanding relationship has helped to foster a level of enthusiasm for science among Michigan's K-12 students that is unmatched by any other state."

"On behalf of the MSU Division of Science and Mathematics Education, I am grateful for the generous contribution of the Dart Foundation," said Associate Dean for Science and Mathematics Education Joan Ferrini-Mundy.

BROAD PARTNERSHIP UPDATE:

MSU/Detroit Public Schools Teacher Education Initiative Completes Year One

Detroit-born philanthropist and MSU alumnus Eli Broad announced at the Detroit Economic Club in late 2003 that the Broad Foundation was contributing \$6 million to fund a partnership between Michigan State

Simon, provost and president designate of Michigan State University. Dr. Simon thanked Mr. Broad and other advisory board members who traveled to Lansing, Michigan from as far away as California and New York to take part in the discussion.

of Teachers; Dr. Gerald Smith, president of the Detroit Youth Foundation; and ex-officio members representing Michigan State University (Dr. Carole Ames, dean of the College of Education, and Dr. Sonya Gunnings-Moton, partnership coordinator), Detroit Public Schools (Ms. Debra Williams, chief human resources officer), and the Broad Foundation (Mr. Marcus Castain, associate director).

"The Broad Partnership is a remarkable, focused initiative designed to place highly qualified urban educators in Detroit public schools," said Dr. Simon. "Michigan State University is committed to achieving Eli Broad's long-term goals of helping Detroit students enter the teaching profession, preparing teachers to work in urban school settings, and providing Detroit students with high quality instruction."

The Broad Advisory Board reviewed the first-year results for the program's three major components:

- A three-week summer program at MSU introduced more than 90 Detroit high school students to the university environment and to the possibility of choosing a career in education. Students from 21 Detroit high schools applied for the 2004 summer program. The curriculum helped students develop academic and social skills to prepare them for college.
- Broad Future Teacher Scholarships were awarded to 12 graduates of



MSU Provost and President Designate Lou Anna K. Simon (center) and Dean of the College of Education Carole Ames (right) listen as Eli Broad, founder of the Broad Foundation, talks about the MSU/Detroit Public Schools Teacher Education Initiative.

University and Detroit Public Schools. The purpose of the initiative would be to recruit and train a new generation of urban teachers.

On September 15, 2004, the Broad Partnership Advisory Board met to examine the outcomes of the program's inaugural year and consider its future direction. Chairing the meeting was Dr. Lou Anna K.

In addition to Mr. Broad and Dr. Simon, the board meeting was attended by Dr. Daniel Fallon, education division chair for the Carnegie Corporation of New York; Thomas Watkins, superintendent of instruction for the State of Michigan; Lansing School Superintendent Dr. Sharon Banks; Janna Garrison, president of the Detroit Federation

Deloitte Honors MSU Alumnus

Detroit public schools seeking admission to the MSU teacher preparation program. These student loans will be forgiven at the rate of 25% for each year of teaching in Detroit and Detroit-area schools.

- Twenty-four education majors in their senior and internship years at MSU earned Broad Summer Teaching Fellowships. The Broad Fellows experienced teaching elementary, middle or high school classes in the Detroit summer school program. Each Broad Fellow was assigned an individual mentor teacher.

The Advisory Board agreed that the first year was successful. The board offered a series of recommendations to strengthen each aspect of the education initiative.



Deloitte Tax Firm Director Nancy Vella (left) and Jill Licata (right) flank Thomas Linsmeier, chairperson of Accounting and Information Systems in the Eli Broad College of Business. Dr. Linsmeier displays the plaque to be installed in the Michael Licata Conference Room in MSU's Lear Corporation Career Services Center. Named 1994 Alumnus of the Year by the Department of Accounting and Information Services, Michael Licata worked as the Partner-in-Charge for Tax Services at Deloitte & Touche LLP in Detroit. Along with his wife, Jill, Michael Licata was an avid supporter of Michigan State University. In his memory, the Deloitte & Touche/Michael Licata Endowment Fund is the preferred beneficiary of Deloitte employee donations during the firm's annual MSU in-house campaign.

QUOTES FROM BROAD PARTNERSHIP STUDENT PARTICIPANTS

"Thank you, Mr. Broad, for believing in the students of Detroit. We will make you proud." (*high school student*)

"Teaching demands passion, diligence, dedication, and sheer determination. I am ready to take on the challenge that the Broad Future Teachers Scholarship has offered me. I am waiting for the day I can take pride in my own class." (*scholarship recipient*)

"It was an amazing experience, because I got to work closely with students everyday and gain a better understanding of what teaching was about. It also helped to fuel my interest and drive to work in an urban setting." (*teaching fellow*)

"This summer has changed my life. I am grateful that Mr. Broad, Detroit Public Schools and MSU decided to take a chance on me. I will pay you back by making a difference in the lives of others." (*high school student*)

"An excellent opportunity to experience urban education. A unique way to engage, impact and learn from the students in DPS. This experience also challenged, impacted, and changed my views and beliefs about urban education, its students, teachers and staff." (*teaching fellow*)

"I want to give back to my community by sharing my knowledge with the children growing up in urban communities today.... It has always been in my heart to teach." (*scholarship recipient*)

GM DONATES ENVIRONMENTAL CLEANUP PATENTS

General Motors Corporation has donated to Michigan State University five patents for technologies to accelerate the cleanup of contaminated soil and groundwater.

The patented technology allows contaminated soil to be treated without being excavated and transported. Over a ten-year period, GM successfully tested its bioremediation technologies at three sites containing underground storage tanks. In one test area, the GM technologies reduced the cleanup period to three months from the seven years that would be required using a pump-and-treat method.

that have contaminated soil. A significant number of the sites could benefit from GM's patented technology once fully developed for commercialization.

"Researchers in our group at MSU have been involved in several pilot and field scale demonstrations of in situ bioremediation," said Michael Dybas, professor of civil and environmental engineering. "In this work, finding a way to deliver growth substrates is a major challenge. Technologies such as those donated by General Motors offer exciting options for efficient and cost-effective nutrient delivery, and, thus, can reduce the costs of site cleanup."

A significant number of the sites could benefit from GM's patented technology once fully developed for commercialization.

"General Motors' patented technologies accelerate the cleanup process by providing a seven-fold increase in the amount of oxygen that is dissolved in the ground to decompose contaminants, typically hydrocarbon-based organic materials," said Alan Taub, executive director of GM's Research and Development Science Labs. "Michigan State University's Department of Civil and Environmental Engineering is considered an expert in bioremediation, and they are well equipped to further develop the patented technologies for commercial application."

The Environmental Protection Agency has documented more than 200,000 sites in the United States

Michigan State University celebrated the gift at a January 6, 2004 luncheon hosted by MSU President Peter McPherson. "On behalf of Michigan State University, I thank General Motors once again for its continued support and partnership," said McPherson. "Our students, our faculty, and the public we serve all stand to benefit from this important gift."

"We are pleased to be able to make this donation and provide further research opportunities for Michigan State University," said Jerry Elson, GM's vice president and general manager of Vehicle Operations.

PFIZER SUPPORT BOOSTS MATH-SCIENCE PROGRAM

Through a grant of \$50,000 to the Charles Drew Science Enrichment Laboratory, one of America's leading pharmaceutical companies, Pfizer, has signaled the value it places on education in the sciences and on providing meaningful, effective assistance to help students develop their own potential.

The Pfizer grant will provide ten new scholarships for juniors majoring in the sciences, five undergraduate student research assistants, and a new teaching assistant in the growing Drew program.

"The support from Pfizer is a tremendous boon for our students," said Dorothy A. Reed, director of the Drew program. "The Pfizer grant allows us to build on past achieve-

ments and establish new benchmarks to measure success for MSU and for other institutions to emulate."

The Drew program is an intense laboratory experience that helps students transition successfully from high school to college and gives them a solid foundation in the core disciplines of mathematics, chemistry, biology and physics. Through special classes, seminars and tutorial sessions, Drew students gain assistance with their regular course work and develop critical thinking and problem-solving skills.

For example, the program's biology component includes a two-semester seminar to accompany the introductory biology series; enrollment in a reserved laboratory section; focus on problem-solving principles and strate-

gies used in biology; writing and test-taking skills; quantitative analysis and data interpretation; and development of conceptual and mathematical models. Other, equally rigorous components focus on mathematics, chemistry, and problem-solving skills. Drew students must commit to staying in the program for at least two years.

The grant to the Drew program is the latest in a long history of Pfizer support for Michigan State University. In just the past year, Pfizer has given nearly \$1 million to a variety of MSU programs, including more than \$500,000 for new fellowships in the College of Veterinary Medicine.

"Michigan State University is an important partner for Pfizer," said Dennis Kozak, vice president for sales, Alta Division, Pfizer, Inc. "We have a history of investment in MSU research and education initiatives. It is one of the key institutions for our recruiters to visit."

The Charles Drew Science Enrichment Laboratory

Dr. Charles Richard Drew (1904-1950) was an eminent African-American physician and researcher who developed a system of blood plasma processing and transfusion therapy that revolutionized the medical world. His blood bank system was first utilized during World War II. Later, he established the American Red Cross Blood Bank. Dr. Drew's exceptional life and his contributions to medicine were cut short when he died in an automobile accident.

In 1976, a group of faculty members and graduate students, concerned about the low number of minority students graduating with degrees in mathematics and science, initiated the Charles Drew Science Enrichment

Laboratory at MSU. Through the years the program has assisted more than 900 students.

The 2004 entering class has 97 students from varied backgrounds, including African American, Hispanic, Native American, Chicano and Caucasian students. As has been the recent trend, more than half (62%) of the entering Drew students are women.

The program director recently completed a study to determine the program's success. Academic and graduation data for Drew students who entered the university from 1993 to 1997 and graduated by the fall of 2001 were compared to non-Drew minority students and non-Drew

Caucasian students in the College of Natural Science during that period.

Drew students showed significant improvement over a control group of non-Drew students and have gained substantially on the Caucasian students. Drew students also significantly over performed when actual performance was compared to predicted performance based on entering ACT scores. The study found that, for the non-Drew minority students, a higher ACT test score was correlated to receiving a degree in the sciences. For the Drew students, the ACT test score was less of a factor in predicting completion of a degree in the sciences.

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MSUFCU Study Abroad Scholarship

Michigan State University and the Office of Study Abroad are pleased to announce the 2004 recipients of the MSU Federal Credit Union Study Abroad Scholarship.

These scholarships are funded in perpetuity by a generous \$2.5 million gift from the Michigan State University Federal Credit Union and are available to all MSU students, regardless of their major.

SPRING 2004

Elana Phipps
Major: *Natural Science*
Program: *The Horse Industry of Ireland and Northern Ireland*

Sze-Ling Ng
Major: *Lyman Briggs*
Program: *Medical Ethics and the History of Health Care in London*

Luke Niewiadomski
Major: *Engineering*
Program: *Electrical and Computer Engineering in Kaiserslautern, Germany*

Amanda Silic
Major: *Lyman Briggs*
Program: *Monash University in Australia*

Andrea Wagner
Major: *Social Science*
Program: *Central College in Merida, Mexico*

FALL 2004

Maria Carmona
Major: *Social Science*
Program: *University of KwaZulu-Natal in Durban, South Africa*

Christopher German
Major: *Social Science*
Program: *The People, Government, Justice System and Public Policies of Australia*

Heidi Graunke
Major: *Business*
Program: *Historical Perspectives of Vet. Medicine & Nat. Resources Mgt. in Egypt*

Clare Jagenow
Major: *Social Science*
Program: *Landscape Architecture in Europe*

Kristie Timber
Major: *Communication Arts & Sciences*
Program: *Alma College Program in Paris*

