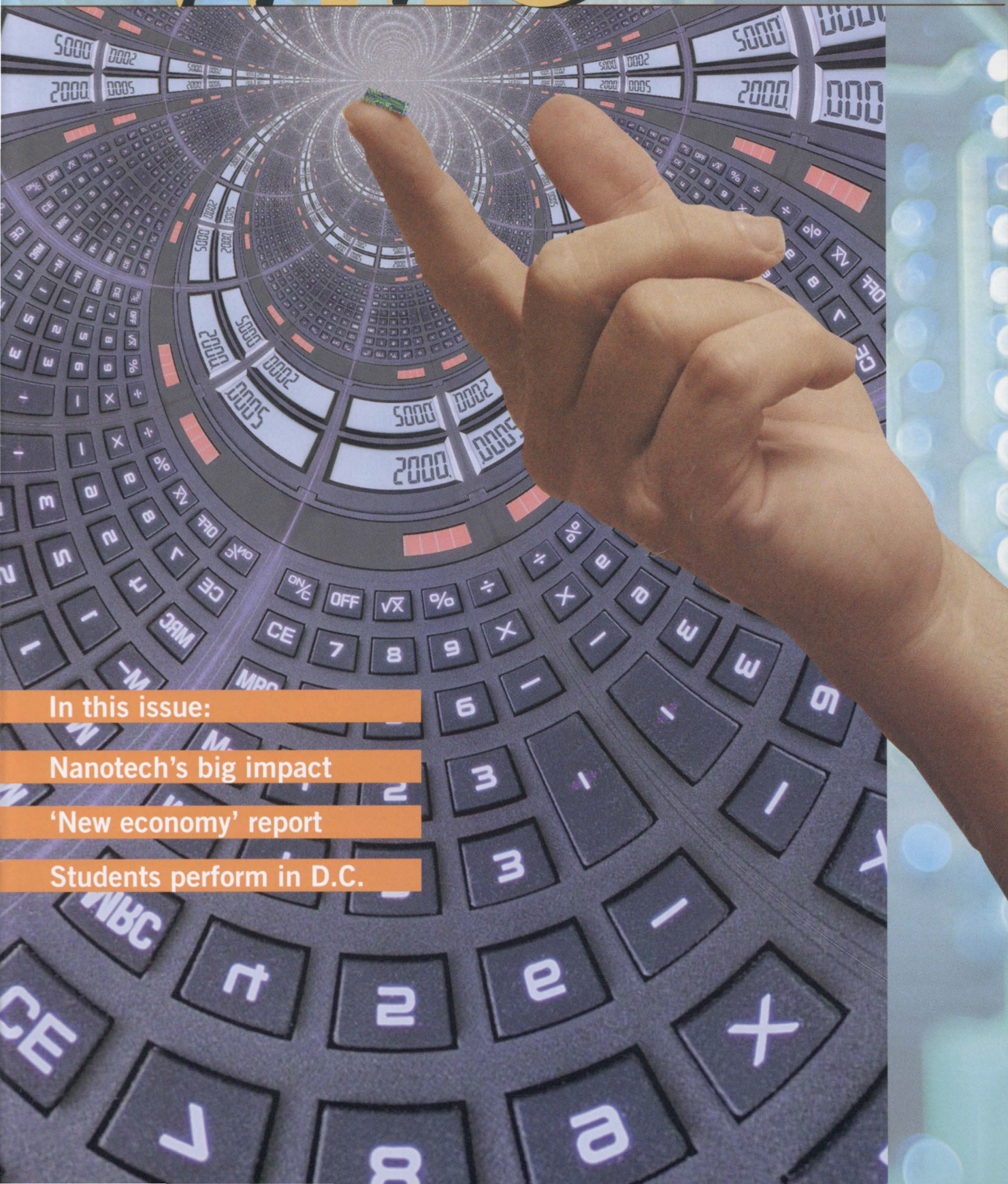


WMU

Spring 05



In this issue:

Nanotech's big impact

'New economy' report

Students perform in D.C.



I hope you enjoy reading about the accomplishments of our faculty, staff and students over the past few months.

As these pages reveal, our students and faculty have attracted national attention for their scholarship, and our campus researchers

are involved in cutting-edge work that will impact your life. The information provided here is brief, but more detail on many of these developments can be found at www.wmich.edu/magazine.

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WMU, *The Western Michigan University Magazine*
Volume 27, Number 3, Spring 2005

Views expressed in the magazine are not necessarily those of the University or the Alumni Association. WMU is an equal opportunity/affirmative action institution and a member of the National Association of State Universities and Land-Grant Colleges as well as the Council for Advancement and Support of Education.

Coastal and wetland work aimed at boosting science careers

One of the National Science Foundation's most prestigious award programs will boost the career of a young geoscientist and help her recruit high school students and WMU undergraduate and graduate students to do research on U.S. coastal and inland wetland areas.

Dr. Carla M. Koretsky, assistant professor of geosciences, has been awarded \$471,000 over the next five years through the NSF's Faculty Early Career



Koretsky

Development Program, known as the CAREER Program. CAREER grants recognize and support the early career work of teacher-scholars who are expected to become the academic leaders of the 21st century.

Koretsky's research will focus on how organisms such as marsh grasses, shrimps, crabs and worms affect metals like cadmium, lead or copper that are being introduced into the saltwater marshes of a pristine Georgia barrier island as well as freshwater wetlands in Kalamazoo. Growing human populations, she says, typically mean increased metal and nutrient loading in such areas, along with significant changes to wetland hydrology and the areas' plants and wildlife.

The project, which began last fall, will offer research opportunities to 15 to 20 students, who will become part of her research team at some point during the five-year effort. For the first two years, the work will focus on laboratory work and the theory behind the ways metals can impact an environment on a small scale. Researchers will then move into the field to test their theories against what really happens in the environment.

In 2006, during the second full summer of research, Koretsky and her student team will travel to Sapelo Island along the Georgia coast to spend two and one-half weeks doing field work. The island, which is 10 miles long and two miles wide, is a long-term NSF study site for ecologists.

"One of the more interesting aspects of this project will be the opportunity for geologists to interact with ecologists," Koretsky says.

WMU students keep art education alive for local elementary school

A new partnership between WMU's art education program and Scotts (Mich.) Elementary School is paying dividends for the students of both schools.

Through the collaboration, which began in January 2004, art education students from WMU are getting needed opportunities to teach in real classroom settings and to practice new art lessons and teaching skills. Since Scotts does not have an elementary art teacher, the WMU students are filling a real need and making a valued contribution to the educational experiences of the elementary students.

"Art is a valuable way for all children to express themselves, and for some children, it will be one of the more meaningful and effective forms of self-expression," says Scotts Elementary Principal Jan Lee. "Art provides an area where children, who might be struggling in other classes, can enjoy success, and that is enormously valuable in building a positive learning experience."

"We have been more than pleased with the contributions of the Western students in our school and are grateful for this partnership," says Lee.

WMU students plan, prepare and teach over six-week periods, starting with simple concepts like color, texture and space and moving on to more complex work.



Engineering management programs recognized as among tops in nation

Graduate and undergraduate programs in engineering management at WMU have been singled out as being among the nation's best by the American Society for Engineering Management.

The graduate program in engineering management is ranked as one of the top three in the nation, while the undergraduate program in engineering management technology enjoys a top-five designation. Announcements of the placings were made at ASEM's annual meeting in Washington, D.C., in late October.

Each year since 1991, ASEM has named programs at both the graduate and undergraduate levels as tops in the nation. The top program at each level wins the Founders Award for Academic Excellence for Leadership in Engineering and Technical Management, and ASEM lists the other top contenders for the prize.

This year, graduate level honors went to the University of Alabama-Huntsville, with WMU and Old Dominion University as the top contenders. At the undergraduate level, the University of the Pacific took top honors, while WMU, the U.S. Military Academy, the University of Missouri-Rolla and Stevens Institute of Technology were top contenders.

The top-program selections are based on academic reputation and a body of material submitted on behalf of each program. ASEM examines faculty statistics, enrollment figures, student involvement in the programs and alumni letters of support.

Engineering management is a discipline that integrates technical



engineering and project systems management skills to prepare students to lead people, projects and teams. In addition to traditional engineering course work, students focus on business, economics, systems management and supervision. At WMU, approximately 100 students are enrolled in the programs.

Nature's smallest structures spark giant revolution

Three years ago when WMU's Nanotechnology Research and Computation Center was announced, more than one campus wag responded with a signature line from a 1970s situation comedy.

The phrase "nano, nano" made for some short-lived humor on campus. The chuckles ended abruptly when the entire campus began to realize what scientists in nearly every discipline already knew—an explosion in nanotechnology research is the force behind a new industrial revolution.

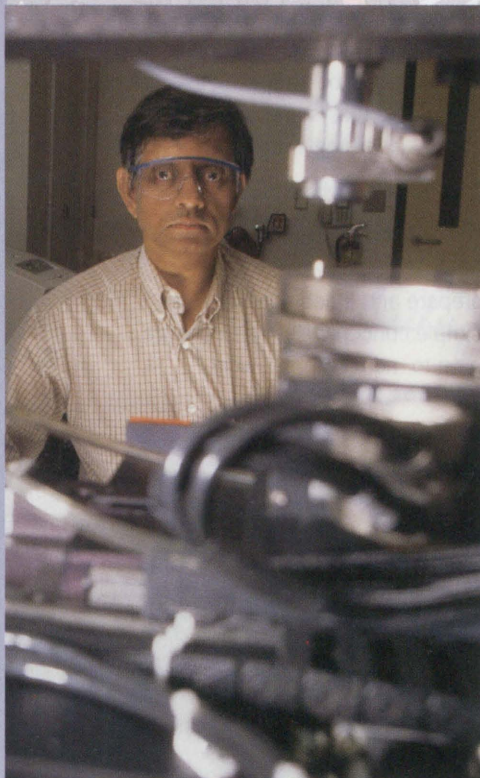
"Nanotechnology can make our world cleaner and can make life more comfortable, more affordable and safer," says Dr. Subra "Murali" Muralidharan, who directs WMU's Nanotechnology Research and Computation Center. "In nanotechnology, we take our lessons from nature. It's a way of looking at science that is both revolutionary and evolutionary."

It's science in its most pure form that is based on the smallest structures found in nature. Its basic unit of measurement, the nanometer—one billionth of a meter—is 100,000 times smaller than the width of a human hair. Researchers at WMU and in academic labs around the nation are using nanotechnology and tools like laser tweezers and laser micromachines to delve into the most basic questions of life. How does the membrane on a human cell open for an instant to allow a contaminant inside to wreak its damage? Why do some cells fall prey to cancer? Why do cells age and can that process be stopped?

Consumers already reaping benefits

Nanotechnology is also the stuff of rampant consumerism, and it's already given rise to high-tech sunscreens, stain-resistant khakis, golf balls guaranteed to self-correct their path to fly straight down the fairway and windshields treated to repel rain and prevent snow, ice, bugs and road tar from sticking. Companies around the globe are busy staking out their piece of what promises to be a \$2 trillion market by 2015. Even further down the road, the predictions are astounding:

- The size of computers will shrink and capacity will grow to the point at which the digitized contents of the entire Library of Congress will fit in a device about the size of a cube of sugar.
- Medicines will be delivered via nanodevices to targeted cells in the body, allowing powerful cancer-fighting drugs to take on diseased cells without having negative affects on the rest of the body, while nanosurgical devices could lead to such precise incisions that no scar results.
- Automobiles will be built one atom at a time and have such features as color permanently embedded in body panels and trim. They'll have bumpers that can repair themselves after a fender-bender and will include



Nanotech research leads to rare opportunity for WMU undergrad

An undergraduate focus in the field of nanotechnology has turned into big news for both a WMU undergrad and his department.

Curtis J. Deer, a senior from Lawrence, Mich., has won a scholarship of up to \$25,000—one of just 15 awarded nationally—from the United Negro College Fund and the pharmaceutical giant Merck. The award will put Deer in Merck laboratories over the next two summers, earning an additional stipend, and will pave the way for him to eventually earn a doctoral degree to advance his career.

The 2005 UNCF-Merck Undergraduate Science Research

Scholarship Award will cover all of Deer's 2005-06 expenses at WMU and will net him two summer internship stipends totaling a minimum of \$10,000. In addition, he will be eligible to apply for \$30,000 in UNCF/Merck funds to support his pursuit of a doctoral degree. WMU's Department of Chemistry, Deer's academic home on campus, also will receive a grant of up to \$10,000 to support research and fund the purchase of equipment that will help other students in their scientific studies.



Deer is part of WMU's nanotechnology team led by Dr. Subra Muralidharan, director of the Nanotechnology Research and Computation Center, and he is pursuing his own research into an area of nanotechnology known as quantum dots—an area he says has potential for bioimaging and the development of biosensors as well as in the fields of medical discovery and computation.

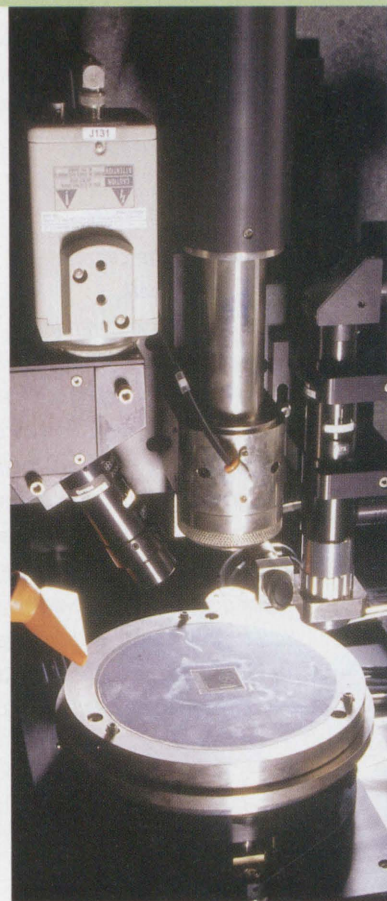
conveniences such as cupholders that keep your coffee warm in the morning and your soda cold on the drive home. A Traverse City, Mich., company already is at work on the latter.

For nanotechnology researchers at WMU, it's a brave new world fraught with promise and peril—a world of both incredible opportunity and a world of danger for the U.S. economy if it fails to keep pace with the global race to embrace what Murali calls “the ultimate technology,” through which scientists build and create the way nature does—cell by cell, from the bottom up.

Nanotechnology center is focal point of WMU research

Murali is at the center of the action on WMU's campus, and his team has more than \$5.3 million in funded projects as well as a raft of additional promising ideas. His team leader position finds him playing the role of researcher, evangelist, defender of the faith and cautionary critic in the fast-developing field of nanotechnology. His commitment is total, and his eyes light up at the prospects he sees ahead. It's not just new consumer products he envisions, but solutions to persistent problems and a world of opportunity for students in the host of industries and disciplines now using nanotechnology.

(continued on page 7)





Eight ways WMU is advancing science through nanotechnology

- **Designing nanosensors to detect chemical or biotoxins in the environment.**

Homeland security and the protection of first responders and military personnel will be improved with the success of a \$2 million project under way to design nanosensors that can detect the presence of chemical and biological weapons. The sensors, now being patented, could be embedded in uniforms and in vehicle coatings. They are being developed by WMU scientists and their partners at Altair Nanomaterials with funding by the U.S. Department of Energy.

- **Unlocking the secrets of the human cell.**

A \$1 million project with major funding from the Keck Foundation is aimed at understanding the mechanism in a single cell that allows the cell membrane to open for an instant—long enough to allow harmful substances like environmental toxins in to affect cell function or allow beneficial drugs in to attack disease. The knowledge could lead to drug regimens that target only the diseased cells in the body, avoiding the side effects on healthy cells.

- **Detecting Parkinson's disease early.**

WMU chemists are using nanotechnology to target the genetic markers for Parkinson's disease in a project that could lead to prediction and early diagnosis of Parkinson's disease.

- **Developing faster, cheaper color copies.**

Improved optical qualities are among the benefits that quantum dots bring to the table, and WMU researchers are using funding from Xerox Corp. for research that could also lead to enhanced computing speed and decreased computer size.

- **Constructing a 'Lab on a chip.'**

Drug discovery could proceed at one hundred times the speed of current industry standards, thanks to research now at an advanced stage and funded by the Argonne National Laboratory.

- **Building nanoprobes capable of early detection of prostate cancer.**

A simple handheld device similar in size and ease of use to what is now used to keep track of a diabetic's insulin levels could save lives by alerting men to rising PSA levels at the earliest stages of prostate cancer. The effort combines the disciplines of biological science and electrical engineering and is funded by the U.S. Department of Army.

- **Understanding the electronic and magnetic properties of metal clusters and their ions.**

The development of molecular electronics using metal clusters to create highly functional miniature devices could be easier thanks to research being done by a WMU physicist at the Lawrence Berkeley Laboratory's Advanced Light Source. The work is funded by the U.S. Department of Energy.

- **Developing biodegradable packaging materials to replace petroleum-based products.**

Nano materials are being used to develop light, fast inks with improved color, and nanocomposite materials are being used for improved wear resistance in research under way by campus paper science engineers.

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(continued from page 5)

Campus nanotech research is coordinated through the NRCC, which was founded in 2002. However, WMU researchers have been actively involved in nanotech research since the late 1990s, and in addition to those directly involved in the center, scientists in nearly every technical discipline represented on campus are actively engaged in nanotech research.

In fact, that multidisciplinary approach is at the heart of nanotechnology.

"Nanotechnology is inspired by biology, grounded in physics, driven by chemistry and applied by engineering," Murali says. "In nanotech, we learn from nature and look at things holistically, but we have to do nature one better by building quickly and recycling the materials we use."

Environment may be real winner

Because it borrows from the lessons of nature, nanotechnology's greatest impact may be in protecting nature. Rare and precious resources will be more efficiently used or even, in the future, replicated. Oil spills could be easily cleaned and water decontaminated. And because manufacturing on the nanoscale produces less pollution, factories would become models of cleanliness.

In the manufacturing realm, nanotechnology is already producing stronger fibers and composite materials, and the technology is making it possible to produce smaller and more efficient mechanical devices.

Perhaps even more important is the fact that it will open a world of opportunity as researchers learn to manipulate ordinary materials at

the nanoscale—a scale in which those materials behave in extraordinary ways. For example, nanotechnology may lead to materials 100 times

stronger than steel at a

fraction of the weight. Much of the promise is still far in the future, but Murali and his team see the potential in the near term. He likes to point to the home water softener as a product that will be replaced and dramatically changed. Instead of just softening water, home units will take water, remove contaminants, soften it and infuse it with the minerals and pH balance tailored to match the needs of the homeowner.

"And it will be the best-tasting water you've ever tasted," he notes.

Research success will result in jobs

It's that kind of promise that keeps the WMU team motivated and committed to the technology.

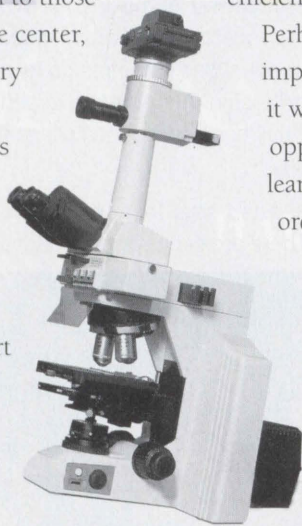
And their commitment is paying off. Nanosensors being developed for homeland security will be patented soon and within two to three years could be deployed to detect the presence of sarin gas or another toxin. WMU research is attracting funding from industry, private foundations and the federal government. And the University's reputation for providing student research opportunities in the field is growing.

Perhaps the biggest beneficiaries of nanotech research and development will be students with the technical skills to help drive the application of nanotechnology to the marketplace.

"Instead of worrying about shipping jobs out of the country," Murali says, "we can be creating a new industrial base where jobs are there for the asking."

Murali and his colleagues nationwide are keeping their eyes focused ahead, but are constantly looking back over their shoulders as their counterparts in Europe and Asia race toward the same goals in a scientific environment in which government support for research is critical.

"This is not a time to pull back," he says. "The consequences of pulling back will be far greater than the consequences of making the tough investments now. It is important to imagine and dream, and these dreams are going to lead to new jobs and a better future."



Hirsch and Nelson honored with named professorships

Two WMU professors with international renown in their



Hirsch

respective fields have been honored with named professorships.

Dr. Christian R. Hirsch, a national leader in the field of mathematics education, has been named the James H. Powell Professor of Mathematics, and Dr. Nickola W. Nelson, recognized by colleagues around the country for her



Nelson

research, teaching and clinical work, has been named the Charles Van Riper Professor of Speech Pathology and Audiology.

WMU President Judith I. Bailey announced both appointments during her fall 2004 State of the University address. The designations are part of a program designed to honor faculty members for outstanding performance in teaching, research or creative activity. Each person honored through the initiative is named to a professorship that bears the name of a significant member of the University community.

Named professors receive an annual stipend of at least \$12,500 for the first three years following their appointments. The stipend is derived from the earnings of an endowment from private donations put at the discretion of the president. Up to one-half of the stipend may be used to augment the faculty member's salary. The balance is to be used for expenditures on appropriate professional endeavors.

University Theatre production of 'Othello' earns rave reviews, trip to Kennedy Center

The University Theatre production of "Othello" has won national honors in American College Theatre Festival competition, and a WMU student troupe traveled to Washington, D.C., this spring to stage the play twice at the John F. Kennedy Center for the Performing Arts.

Directed by James Daniels, professor of theatre, the WMU production won kudos from judges during regional competition in January and was one of only three college theatre productions in the nation to win an invitation to the national ACTF event in Washington. An invitation to perform at the ACTF's Kennedy Center gathering has been called the college-theatre equivalent of winning the Heisman Trophy.

"This is about as good as it gets," says Joan Herrington, chairperson of the Department of Theatre. "There are eight regional festivals leading to this one



national event. You always want to hear the judges advise you to 'save your set' after they've watched your production at regionals. It's an indication that you're in the running for one of those three national slots. We saved our set this time, and we were ready to go."

One judge's comments were especially welcomed. WMU's "Othello," the adjudicator said, "has reset the standard for collegiate performance of Shakespeare."

The winning production was first performed for Kalamazoo audiences in November. The performances April 18 and 19 in Washington marked University Theatre's first appearance at the national event since 1988, when its acclaimed production of "Quilters" won a similar ACTF invitation.

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The Lettermen Christmas Show • Saturday, December 3, 2005

Salzburg Marionettes • Tuesday, December 6, 2005

Boys Choir of Harlem Christmas • Sunday, December 11, 2005

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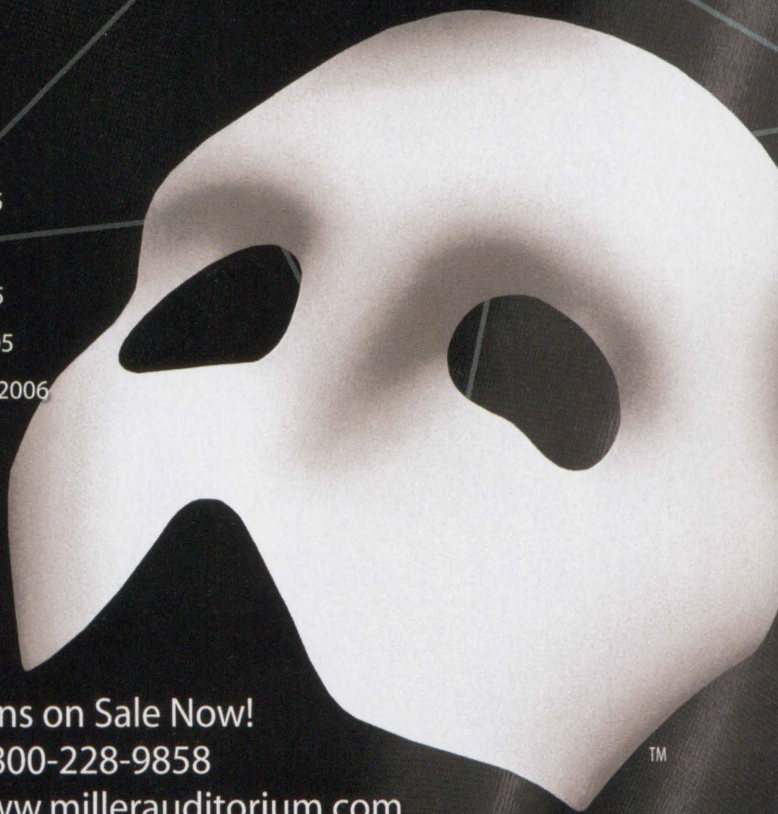
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**Anitta Rutherford Orr,
B.S. '66**

Become a member.

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Alumni are listed under their preferred class years. Names preceded by a circle (•) denote membership in the WMU Alumni Association.

Don't hesitate to contact us when you have news to share in our classnotes or obituaries sections. For classnotes, make sure to include your name (first, middle, last, maiden), address, degree(s), year(s) graduated and phone number. We will publish your photo as space permits.

Write: Classnotes/Obituaries
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Kalamazoo MI 49008-5403

Fax: (269) 387-8770

E-mail: dev-alumnote@wmich.edu

1965 to 1989

• **William E. Gehman**, BSE '65, was inducted into the Michigan Aviation Hall of Fame for his contributions to the aviation industry. He recently retired after 17 years as director of the Michigan Aviation Commission.

Matthew A. Klein, MA '66, is dean of the College of Arts and Sciences at Ferris State University in Big Rapids, MI.

• **Robert L. Murray**, BA '67, was inducted into the Michigan Tennis Coaches Hall of Fame and the Macomb County Coaches Hall of Fame for both basketball and tennis. He is retired from Warren Woods Public Schools and is presently director of education at the Sylvan Learning Center in Inverness, FL.

• **William J. Parsons**, BA '67, MA '71, was elected to a one-year term as president of the legal administrator section of the State Bar of Michigan. He is director of administrative and human resources at Miller, Canfield, Paddock and Stone PLC in Detroit.

Sylvia D. Hoffert, MA '68, has written a book titled, "Jane Grey Swisshelm: An Unconventional Life, 1815-1884," published by The University of North Carolina Press. She is a professor of history and women's studies at the University of North Carolina at Chapel Hill.

William L. Van Deburg, BA '70, has written a book titled, "Hoodlums: Black Villains and Social Bandits in American Life," published by the University of Chicago Press. He is the E.J. Bascom Professor of Afro-American Studies at the University of Wisconsin-Madison.

Peter P. Sudnick, BA '71, is an attorney and shareholder in the labor and employment group of Dean & Fulkerson PC in Troy, MI.



Sudnick '71

Dorothy Pearl Young, MA '71, received the 2004 Humanitarian Award from the Metropolitan Kalamazoo branch of the NAACP. She was recognized for 40-plus years as an educator, including many years as principal of Kalamazoo's Hillside Middle School.

Philip C. Stohrer, BS '72, MA '76, was selected as the 2004 media specialist of the year by the Michigan Association of Media in Education. He is the library media specialist at Portage West Middle School.

Ann S. Rohrbaugh, MLS '73, MA '84, is director of the Kalamazoo Public Library.

Danny E. Sledge, BM '74, MA '76, is dean of student services at Lake Michigan College in Benton Harbor, MI.

• **Nancy J. Diehl**, BA '75, is president of the State Bar of Michigan. She currently heads the Felony Trial Division in the Wayne County prosecutor's office.

James A. Henry, BA '75, MSW '80, is the director of Lakeside Treatment and Learning Center in Kalamazoo.

• **David L. Rozelle**, MSA '75, was selected by the Michigan Association of Certified Public Accountants as 2004's Accounting Educator of the Year. He is WMU's Beulah I. Kendall Associate Professor of Accountancy.

Jeff Fink, BA '76, is the Kalamazoo County prosecutor.

Dennis J. Jarvi, BS '77, is president of the Defense North America Inc. division of Rolls-Royce, based in Indianapolis.

Lauren A. Summerville, BS '77, has been promoted to associate vice president and chief human resources officer at WMU.

James E. Bucrek, MBA '79, is a partner with PricewaterhouseCoopers LLP in Detroit.

• **Mattie M. Jordan-Woods**, BS '79, received the 2004 Kalamazoo County Treasure Award for her humanitarian efforts in the community. She is executive director of the Northside Association for Community Development.

Karen (Lenz) Christensen, MA '80, is principal at Crossroads Charter Academy Elementary in Big Rapids, MI.

Ava J. (Gust) McDowell, BM '80, is a music teacher at Merritt Academy in New Haven, MI.

• **Charles B. Stout**, BA '80, is a media arts manager at the Hands-On Museum in Ann Arbor, MI.

• **Lee A. Bailey**, BBA '82, is executive vice president and chief operating officer at First Independence Mortgage Corp. in Southfield, MI.

Kevin M. Campbell, BA '82, MA '89, is the principal at Millwood Middle School in Kalamazoo.

Edward L. Gordon, BS '82, has joined CBS' "60 Minutes Wednesday" as a contributor.

• **Wendy E. Kellehan**, BS '82, is the assistant principal and athletic director of Clarenceville High School in Livonia, MI.

William J. LaValley, BS '83, MSW '01, has joined Kalamazoo Psychology LLC as an associate.

• **Christopher Hurlbutt**, BBA '84, is the general manager of army/national programs for Storage Technology Corp. in Louisville, CO.

Kennedy L. Fillar, BBA '87, is president of Comerica Bank's Kalamazoo region, which includes 10 branches and 90 employees.

Laura C. Ford, BS '88, has joined Lake View Family Care in Mattawan, MI, as a certified nurse practitioner.

• **Jodie L. (Rice) Johnson**, BS '88, is a clinical assistant professor and pediatric anesthesiologist at Indiana University Medical group at Riley Hospital in Indianapolis.

Russell Pensyl, BFA '85, MFA '88, is vice dean of the School of Art Design and Media at Nanyang Technological University in Singapore.

Jeff Glatus, MA '89, is the owner of Genisys Business Connections LLC, a consumer products company that markets Bee Sweet Inc.

1990 to 1999

Jeffrey B. Dorn, BBA '90, is a partner in the St. Joseph, MI, office of Plante and Moran PLLC.

• **Jeffrey S. Breneman**, BA '91, has joined Dykema Gossett PLLC in Lansing, MI, as a government relations professional.

Steven C. Benson, BS '92, is an associate with Samuels Law Office in Big Rapids, MI.

Peter S. Garcia, BBA '92, is the branch manager at Direct Mortgage Funding in Saginaw, MI.

• **Amy S. Kaczanowski**, BS '92, is a business administrator at the Park Club in Kalamazoo.



Bursch '94

Randall S. DeBruine, MBA '93, is the city manager for Belding, MI.

John J. Bursch, BM '94, is a partner with Warner Norcross and Judd in Grand Rapids, MI. He concentrates his practice in appellate and business litigation.

• **Brad L. Conley**, BSE '94, is a manager at PricewaterhouseCoopers LLP in Detroit.

Kevin A.S. Fanning, BA '94, is an associate in the litigation practice group at Clark Hill PLC in Birmingham, MI.

Myron D. Lewis, MSW '94, has written a book titled, "Making Right Turns in Your Relationship: How Couples Work Together to Create Change, Enhance Intimacy and Strengthen Communication," published by Hansyd Publishing.

Tony Rubleski, BBA '94, has written a book titled, "Mind Capture: How to Generate New & Repeat Business in the Age of Advertising Overload." He is vice president of sales for Captive Audience Advertising in Grand Haven, MI.

Daniel S. Schneirla, BS '94, is an information technology personal lines supervisor at the Frankenmuth (MI) Financial Group, One Mutual.

Gayle R. Shumaker, MA '94, is a psychologist at Psychological Services Center LC in Muskegon, MI.

Joni M. Thomson, BS '94, is an occupational therapist at Bay Regional Medical Center in Bay City, MI.

James D. Farrell, MPA '95, is director of the Michigan Department of Civil Service.

• **Todd Kraemer**, BBA '95, was recognized as 2004 Employee of the Year by Campbell-Ewald, an advertising and marketing communications agency, for his exemplary leadership and exceptional service to the company.

Brian W. Scheiwe, BBA '95, is sales supervisor for Bink's Coca-Cola Bottling Co. and Bink's Wines and Beverages Inc. in Escanaba, MI.



Kraemer '95

Kristin M. Charboneau, BS '96, is general manager and fitness coordinator at Power House Fitness Center in Saginaw, MI.

• **Bryan A. Farwell**, BSE '96, has joined the Kalamazoo office of Hydro Aluminum North America as a fabrication-sales engineer.

• **Kathryn M. Harmes**, BA '96, is a physician at Eastside Family Medical in Canadian Lakes, MI.

Rhonda L. Hollowell, BBA '96, is the director of marketing at JOMAR Building Company Inc. in Detroit.

Michelle K. Miller, BBA '96, has joined Broder & Sachse Real Estate Services Inc. in Birmingham, MI, as a property manager.

Robert F. Metivier, BS '97, is a Michigan state police trooper in Grand Haven.

Harriet R. Miller-Brown, BS '97, is the 9-1-1 administrator for the Michigan State Police in East Lansing.

• **Stephanie (Tanner) Giorio**, BBA '98, was recognized as 2004 Employee of the Year by Campbell-Ewald, an advertising and marketing communications agency, for her exemplary leadership and exceptional service to the company.

William F. Loewenstein, MA '98, is an assistant professor of mass communication at Francis Marion University in Florence, SC.

Zachary T. Stevenson, BS '98, MA '03, is the assistant principal at Manistee (MI) High School.

2000 to 2004

Gerah R. (Richmond) Dutkiewicz, BA '00, is a marketing-solutions coordinator at Allegan (MI) Print and Mailing.

Eric M. Keskes, BS '00, is a physical education teacher at Woodland Elementary in Flint, MI.

• **Anthony M.T. Majewski**, BS '00, is a national director for Great Lakes Distribution & Brokerage LLC in Marine City, MI.

Andra (Petrean) Troncalli, MA '97, PhD '00, is an assistant professor of physics at Austin College in Sherman, TX.

Heidi Jo Leidy, BBA '01, is a marketing coordinator for Independent Bank Corp. She

provides core marketing functions for branches in the eastern, southern, and northern regions of Michigan.

Kathie A. (Olsen) Lofts, MA '01, is dean of student services at Montcalm Community College in Sidney, MI.

Patrick J. Murtha, BBA '01, is a senior accountant with Andrews, Hooper & Pavlik in Saginaw, MI.

Kristin J. Petrucci, BBA '02, is a category development analyst at ConAgra Foods in Minneapolis.

David L. Trexler, MPA '02, is deputy chief of the Michigan State University police department.

Nick Barnes, BBA '03, is a property and casualty underwriter at Wolverine Mutual Insurance Co. in Dowagiac, MI.

Benjamin J. Morin, BS '03, is residence hall director at the University of Toledo in Ohio.

Nicholas L. Mosley, BM '03, is the band director at Grant High School in Fremont, MI.

Courtney Cooley, BS '04, is a third grade teacher in the Oxford (MI) school district.

Jonathon Jury, BBA '04, is a staff accountant for BKR Dupuis & Ryden in Flint, MI.

Joshua Wallace, BBA '04, has joined the McKenzie-Price Insurance Agency in Muskegon, MI, as an account executive.

New Life Members

David B. Ballard, Sr.
B.S. '86, Kent, WA

Betty K. Barber
B.A. '59, Grand Rapids, MI

Philip R. Barber
B.S. '59, M.A. '66, Sp.E. '75,
Grand Rapids, MI

Karen S. Behnke
B.S. '79, San Anselmo, CA

Melissa Yutzey Bourke
Holt, MI

Mary L. Burchard
Richland, MI

Lisa Chludzinski
B.S. '79, Kalamazoo

Philip Chludzinski
BBA '80, Kalamazoo

E. Bruce Cooper
B.S. '76, Irvine, CA

Kimberly J. Coulson
B.S. '87, M.A. '89, Adrian, MI

Howard Cripps
BBA '55, Peoria, AZ

Ying Cui
M.A. '88, North Bergen, NJ

Brandi A. Daniel
B.A. '96, Newnan, GA

Kathy L. Dilsaver
B.S. '72, Kalamazoo

Jan Boyden Evert
B.A. '70, M.A. '76, T.C. '88,
Kalamazoo

Darrel E. Frank
BBA '64, Tucson, AZ

Jeremy L. Frank
BBA '93, Frankenmuth, MI

Sandra A. Hiatt
B.S. '97, East Lansing, MI

Shelia D. Huis
B.A. '69, MPA '01, Hastings, MI

Chad D. Jackson
BBA '96, Portage, MI

Mattie M. Jordan-Woods
B.S. '79, Kalamazoo

Free A. Kellogg
B.A. '88, Benton Harbor, MI

Lynn B. Kellogg
B.A. '76, MPA '81,
Benton Harbor, MI

Henry A. Kerr
B.S. '77, Portage, MI

John A. Klarr
B.A. '75, Northville, MI

Karen M. Klug
BBA '82, Eau Claire, MI

Lillian M. Koval
B.S. '59, Garrettsville, OH

Kay L. Lauritsen
B.A. '73, Mattawan, MI

William C. Lauritsen
B.S. '74, M.A. '82, Mattawan, MI

Caryla Marsh
B.S. '00, Portage, MI

Carol A. McCrie
BBA '81, Howell, MI

Dennis C. McFarland
BBA '81, Ann Arbor, MI

Barbara Rae McGraw
B.A. '73, Edgewood, KY

Richard L. McGraw III
BBA '73, Edgewood, KY

Karen Pacheco
B.S. '77, San Ramon, CA

Barry J. Peters
BBA '89, Grandville, MI

Susan E. Pyke
B.S. '63, Richland, MI

Paula Ray
B.S. '71, Owosso, MI

Dawn Reid
M.A. '94, Georgetown, TX

T.R. Reid
B.A. '84, Georgetown, TX

Debra B. Roden
MSW '96, Grand Rapids, MI

Tim A. Schanz
B.A. '73, Plymouth, MI

Robert Watt Smillie
B.S. '69, Northville, MI

Michael P. Stevens
BBA '93, DeWitt, MI

Joan E. Towery
B.A. '53, Battle Creek, MI

Katie L. VanderMolen
BBA '02, M.S. '03, Lansing, MI

Darryl Scott Weekley
MSW '94, Grand Rapids, MI

Noemi Weekley
MSW '96, Grand Rapids, MI

A.J. Willit
BBA '95, Mattawan, MI

Nicole Willit
B.S. '95, Mattawan, MI

Christopher C. Womack
B.A. '79, Atlanta, GA

Marvin C. Woods
Kalamazoo

Julie Ann Workman
BBA '79, MBA '85, Portage, MI

Khin Zaw
M.S. '92, Hightstown, NJ

Alumna named head of State Bar of Michigan

From prosecuting some of the state's most notorious criminals to promoting improvements in the justice system, it's all in a day's work for Nancy Diehl.

For the past 24 years, Diehl has been a prosecutor for Wayne County. On Oct. 1, 2004, the WMU grad was sworn in as the 70th president of the State Bar of Michigan. As president, she represents more than 36,000 members in efforts to improve the justice system, foster better relations with the public and promote the interests of the legal profession.

Diehl, who graduated from WMU in 1975 with a bachelor's degree in political science, returned to campus in March to talk to students in a judicial process class taught by Dr. Ashlyn Kuersten, associate professor of political science. Diehl talked about her time at WMU and experiences as a law student at Wayne State University and a county prosecutor.

One of the main reasons she chose WMU was because she knew she'd have real professors for teachers, not teaching assistants like some other universities.

"I had an outstanding group of faculty while I was here," she says, "and I really appreciated that."

The Detroit resident currently is head of the Felony Trial Division, overseeing general trials, homicides, auto theft, major drug cases and the Child and Family Abuse Bureau, which she started. The largest division in the office, it covers 26 criminal courtrooms.

Diehl is a sought-after speaker and national trainer on domestic violence and child abuse investigation, prosecution and related issues. Many organizations have recognized her efforts on behalf of children and families and she has won more than 20 awards. She also serves on the Governor's Task Force on Children's Justice and has been on its executive committee since 1995. Much of her professional life has been spent advocating for children.

"It never ceases to amaze me the things people can do to hurt children," she says. "You can't undo what has been done to them, but you can do what you can do try to make their lives better."



1920 to 1959

William M. Manuszak, BS '21,
Dec. 27, 2004, in Plainwell, MI

Edna (Barr) Wright, TC '22,
Feb. 5, 2005, in Paw Paw, MI

Eva (Robart) Spence, TC '25,
Sept. 19, 2004, in Ludington, MI

Allen D. Edwards, TC '26, BS '28,
Oct. 28, 2004, in Rock Hill, SC

Helen (Adriance) Hawks, TC '28,
Aug. 19, 2004, in Muskegon, MI

Isabelle A. (Adams) Henderson, TC '28,
Jan. 19, 2005, in Lawton, MI

Margaret L. Story, TC '28,
Sept. 28, 2004, in South Pasadena, FL

Genevieve A. (Evenhuis) Mead, TC '25, BA '29,
Sept. 18, 2004, in Kalamazoo

Neva G. (Waltz) Bonine, TC '27, BA '31,
Sept. 8, 2004, in Lynnwood, WA

James B. Opsata, BS '31,
Nov. 14, 2004, in Crofton, MD

Durfee D. Wieland, BS '33,
Aug. 20, 2004, in Suttons Bay, MI

Genevieve A. (Jeannot) Kruizenga, TC '34, BA '35,
Sept. 14, 2004, in Otsego, MI

Louis B. Mallard, BS '35,
June 24, 2004, in Lansing, MI

B. Raymond Perkins, BA '35,
Nov. 20, 2004, in North Charleston, SC

Joy (Sanderson) White, BA '36,
June 4, 2004, in Clawson, MI

Hackley E. Woodford, BA '36,
Jan. 28, 2005, in San Diego

Margaret (Buck) Haug, BS '37,
Oct. 12, 2004, in Kalamazoo

Doris C. (Arink) Cutillo, BS '39,
Nov. 18, 2004, in Portage, MI

Elna M. Pritchard, BS '39,
Aug. 6, 2004, in San Diego

Dale Kenneth Wilson, BA '39,
Jan. 3, 2005, in St. Petersburg, FL

Mildred P. (Nowels) Hall, BS '40,
Jan. 22, 2005, in Muncie, IN

Mary (Lockwood) Mitchell, TC '40,
Nov. 1, 2004, in Kalamazoo

Earl B. Weber, BA '40, MA '67,
Feb. 5, 2005, in Kalamazoo

Jewel (Curry) Pikkaart, NC '41,
Aug. 22, 2004, in Rogers, MN

Seth Donald Finley, BSE '42,
Aug. 16, 2004, in Tacoma, WA

Clarence Groenheide, BS '43, MA '58,
Dec. 28, 2004, in Holland, MI

Mary DeLynn Moeller, BS '43,
Feb. 2, 2004, in Holland, MI

George W. Slaughter, BS '43,
Feb. 6, 2005, in Kalamazoo

Janice (Walker) Fitzgerald, BA '46,
Nov. 12, 2004, in Kalamazoo

Robert V. Kline, BS '46,
Sept. 4, 2004, in Kalamazoo

Marguerite J. (Potts) Meninga, BS '46,
Dec. 7, 2004, in Kalamazoo

Mavis A. (Martinson) Smith, TC '46,
May 30, 2004, in Hartford, MI

Marilyn (Palmer) McCoy, BS '48, MA '64,
Aug. 22, 2004, in Mesa, AZ

William I. Lucas, BA '49,
Oct. 31, 2004, in Kalamazoo

Arlita M. Richardson, BS '49,
July 25, 2004, in Escondido, CA

Paul W. Eller, BS '50,
Nov. 10, 2004, in Kalamazoo

Henry G. Gadson, BS '50,
Aug. 28, 2004, in Granger, IN

Stuart Grout, BA '50,
Feb. 10, 2003, in Bradenton, FL

Centennial Merchandise Closeout!

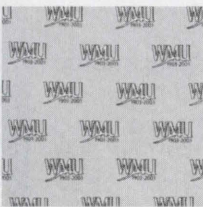
**ALL ITEMS ARE
NOW \$15 EACH**



WOMEN'S BROWN SILK SQUARE SCARF

Women's brown and gold silk scarf, 36 inches square, imported silk, brown field and gold centennial seal, trim in gold.

was \$46 each

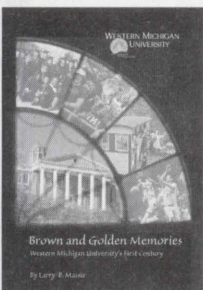


WMU PRINTED SILK NECKTIE

Gold-on-yellow printed silk necktie, WMU 1903-2003 logo in gold with black outline, yellow field.

Gold-on-gold printed silk necktie, WMU 1903-2003 logo in gold with black outline, gold field.

was \$25 each



BROWN AND GOLDEN MEMORIES BY LARRY B. MASSIE

A publication commemorating WMU's first 100 years

In celebration of WMU's centennial anniversary, author Larry B. Massie shares an engaging collection of stories, memories, traditions and historical facts. "Brown and Golden Memories" chronicles, decade by decade, the 100-year journey of what started as Western State Normal School—the teachers' college on the hill—and became an internationally recognized student-centered research institution. More than 250 historical photos are included to help illustrate the highlights of that journey.

was \$35 each

Show a sense of pride
1903•2003

Centennial Merchandise Order Form

PRODUCTS	PRICE	QUANTITY	SUB TOTAL
Women's Brown Silk Square Scarf	\$15.00		
Gold-on-Yellow WMU Printed Silk Necktie	\$15.00		
Gold-on-Gold WMU Printed Silk Necktie	\$15.00		
Brown and Golden Memories	\$15.00		

Quantities of some items are limited.

Grand Total _____

(All prices include tax, shipping and handling)

Method of Payment

☐ Check ☐ Money Order
☐ Credit Card

Credit Card Information

☐ Visa ☐ Discover
☐ Mastercard

Account Number _____ Exp. Date _____

Signature _____

PLEASE PRINT

Name (as it appears on your credit card) _____

Address (as it appears on your credit card) _____

City _____ State _____ Zip _____

Phone _____

Mail Your Order to:

WMU
c/o University Relations
300 E. Walwood Hall
Kalamazoo, MI 49008-5433

Fax Your Order to:

(269) 387-8422

Questions may be directed to Sue Beougher at (269) 387-8402 or by e-mail to <sue.beougher@wmich.edu>.

Shipping Information

(If different from info to the left)

Name _____

Address _____

City _____ State _____ Zip _____

Phone _____

Richard E. Harvey, BS '50,
Dec. 11, 2004, in Kalamazoo

Raymond A. Louthen, BS '50,
Dec. 3, 2004, in Muncie, IN

Michael M. Mayeda, BS '50, MS '57,
Jan. 6, 2005, in Kalamazoo

Lee R. Nichols Jr., BS '50,
Sept. 12, 2004, in Naples, FL

Don H. Stone, BS '50,
Nov. 26, 2004, in Kalamazoo

James L. Colman, BA '51,
Oct. 23, 2004, in Elkhart, IN

Thomas B. Kingsbury, BA '51, MA '68,
Oct. 23, 2004, in St. Joseph, MI

Harriet L. (Corwin) Knauss, BS '51, MLS '70,
Nov. 6, 2004, in Portage, MI

Dale E. Kooi, BS '51, MA '59,
Aug. 22, 2004, in Kalamazoo

Clare R. Harnden, BS '53,
Sept. 18, 2004, in Fremont, MI

Ruth H. (Marceau) Peterson, BS '53,
Feb. 20, 2004, in St. Joseph, MI

Marland P. Howard, BS '54, MA '59,
Aug. 23, 2004, in Brandon, FL

Jacque N. Lint, BBA '54,
June 20, 2004, in New Port Richey, FL

Wesley R. Christensen, BS '55,
Sept. 29, 2004, in Wethersfield, CT

Robert W. Firlik, BA '55,
Jan. 2, 2005, in Cleveland

Leonard O. Holmes, BA '55, MA '61,
Sept. 29, 2004, in Kalamazoo

Aurelia (Alaria) Kirshman, BS '57,
Jan. 24, 2005, in Kalamazoo

Richard W. Shumar, BBA '57,
Sept. 29, 2004, in St. Petersburg, FL

Frank J. Bulgarella, BA '58,
Aug. 21, 2004, in Birmingham, AL

Stanley E. De Boer, BSE '58,
Dec. 24, 2004, in Kalamazoo

Joseph R. Szakas, BA '58,
Jan. 17, 2005, in Niles, MI

Arthur L. Christensen, MA '59,
Aug. 17, 2004, in Kalamazoo

Marie W. (Decker) Copp, BA '59,
Jan. 27, 2005, in Kalamazoo

Marion (Schneider) Joyce Doolittle, MA '59,
Jan. 12, 2005, in Kalamazoo

1960 to 1979

Thomas M. Hoatlin, BBA '60,
June 14, 2004, in Lansing, MI

Eleanor L. Holiday, BS '60,
Aug. 22, 2004, in Clearwater Beach, FL

Regina A. Jansons, BS '60,
Nov. 22, 2004, in Bedford, VA

Dennis W. King, BS '60,
July 21, 2004, in Foster City, CA

Marie L. (Purvis) Brandt, TC '29, BA '61,
Feb. 4, 2005, in Kalamazoo

Irma M. (Kyle) Nagle, BS '61,
Nov. 13, 2004, in Lawton, MI

John R. Van Dyke, BSE '61,
Jan. 16, 2005, in Kalamazoo

Robert W. Burns, MA '62,
Feb. 3, 2005, in Kalamazoo

Larry L. Lemmer, BS '62,
Dec. 20, 2004, in Kalamazoo

Barbara J. (Knapp) Rousch, BA '62, MA '68,
Aug. 14, 2004, in Hesperia, CA

Lee H. Snyder, BSE '62,
Nov. 22, 2004, in Leesburg, FL

Cornelius Baden, BBA '63,
Oct. 7, 2004, in Kalamazoo

Nancy J. (Gooch) Maury, BA '63,
Jan. 31, 2005, in Kalamazoo

Jane (Creith) Smith, BA '63,
Sept. 4, 2004, in Western Springs, IL

Michael J. Mealy, BA '64,
Nov. 16, 2004, in Whitewater, WI

Robert J. Stewart, BA '65, MA '76,
Sept. 26, 2004, in Plainwell, MI

Harry Bleeker Jr., BBA '66,
Sept. 20, 2004, in Portage, MI

Margie J. Miner, MA '66,
Jan. 30, 2005, in Kalamazoo

Joyce M. Smith, BA '66, MA '77,
Jan. 19, 2005, in Placida, FL

Alice G. (Stearns) Germain, BS '67,
Sept. 24, 2004, in Allegan, MI

Patricia J. (Pursell) Mosley, MA '67,
Dec. 7, 2004, in Portage, MI

William H. Clafin, BS '68,
Oct. 22, 2004, in Augusta, MI

John H. Fonner, MA '68,
Nov. 24, 2004, in El Paso, TX

Howard E. Inclenrock, BS '68,
Sept. 20, 2004, in Naperville, IL

Kathleen A. (Martin) Fryxell, BA '69,
Sept. 6, 2004, in Burnsville, MN

Patti S. Shirley, BA '69,
Dec. 12, 2004, in Kalamazoo

Julianne Wells, BA '69,
Nov. 15, 2004, in Plainwell, MI

Raymond M. Dost, MSE '70,
Nov. 25, 2004, in New Port Richey, FL

Lawrence W. Kroll, BS '70,
Oct. 20, 2004, in Wayland, MI

Joseph Thomas Rose, BA '70,
Dec. 11, 2004, in Pickford, MI

Gary A. Tallenger, MA '70,
Sept. 27, 2004, in Kalamazoo

Stephen M. Poulson, BBA '71, MBA '74,
Oct. 17, 2004, in North Granby, CT

Larry L. Huntington, BSE '72,
Aug. 28, 2004, in Marcellus, MI

Linda C. (Walker) Layton, BS '72,
Aug. 22, 2004, in Kalamazoo

Kevin M. Powers, BBA '72,
Oct. 7, 2004, in South Bend, IN

Gregory J. Walters, BA '72, MA '77,
May 15, 2004, in Richland, MI

Jon B. De Right, BA '73, MA '76,
Sept. 11, 2004, in Kalamazoo

Craig E. Malmstrom, BS '73,
Nov. 6, 2004, in Jacksonville, FL

Evelyn R. (Larson) Rosine, MA '73,
Nov. 3, 2004, in Kalamazoo

Derek G. Stewart, BSW '73, MA '80,
Jan. 6, 2005, in Kalamazoo

Veva (Tanner) Abrahamsen, BA '74, MLS '77,
Dec. 28, 2004, in Kalamazoo

Robert B. Lockhart, BSE '74,
April 19, 2004, in Colorado Springs, CO

Josie S. (Marshall) Fletcher, MS '78,
Sept. 19, 2004, in Litchfield, SC

Elizabeth H. Whitehead, BBA '79,
Jan. 22, 2005, in Columbus, OH

1980 to 2005

Benjamin Q. Dunlap, BSE '80,
Aug. 13, 2004, in Valparaiso, IN

Terry L. Baylis, BA '84,
Oct. 4, 2004, in Battle Creek, MI

Joyce C. (Wright) Herb, BS '84,
Dec. 14, 2004, in Wayland, MI

Barbara K. (LaBelle) Buskard, MA '86,
July 30, 2004, in Grand Rapids, MI

Steven P. Kerr, BSE '87,
Jan. 9, 2005, in Kalamazoo

Kenneth J. Leahey, BBA '88,
July 11, 2004, in Lake Orion, MI

Sandra L. (Thompson) Martinez, BS '89,
Sept. 11, 2004, in Holland, MI

Emil C. Berro, MBA '91,
Sept. 8, 2004, in Glasgow, Scotland

Kerrin (Liverance) Abraham, BBA '92,
Oct. 23, 2004, in Atlanta

Christine J. (Fassett) Palechka, BA '94,
Sept. 8, 2004, in Portage, MI

Jennifer A. Birnbaum, BA '98,
Sept. 9, 2004, in Kalamazoo

Jason M. Hallam, BSE '99,
Dec. 30, 2004, in Sturgis, MI

Melanie N. Chojnowski, BS '01,
Nov. 14, 2004, in Richland, MI

Steven M. Herwarth, BS '03,
Sept. 11, 2004, in La Junta, CO

Faculty

Gerald L. Bodine, assistant professor emeritus
of teacher education

Ardith B. Embs, assistant professor emerita
of librarianship, July 6, 2004, in Kalamazoo

Robert M.W. Travers, professor emeritus
of education, in San Diego

College of Education

Professors use Fulbright awards to build on kinship, grandparenting work in Britain

Two University department educators traveled to England in November as guest lecturers at three universities under a pair of Fulbright awards.

Dr. Linda Dannison, chairperson of the Department of Family and Consumer Sciences, and Dr. Andrea Smith, associate professor of teaching,

learning and leadership, were guests of Northumbria University in Newcastle and also worked at the University of Warwick and Oxford University under a partnership agreement through Fulbright Senior Specialists grants.

The pair used their time abroad to build on their work in kinship care,

especially as it pertains to children living with their grandparents. In addition to lecturing on kinship care at the three universities, Dannison and Smith conducted workshops with community professionals to help them develop programming for high-risk parent populations.

College of Arts and Sciences

Geographers release book on natural disasters

Set against a backdrop of California mudslides and an earthquake and tsunami in the Indian Ocean, a new book on natural disasters, co-edited by two WMU professors, took on special relevance following its recent release.

In addition to mudslides, earthquakes and tsunamis, "International Perspectives on Natural Disasters: Occurrence, Mitigation and Consequences" explores such destructive forces as volcanism, tornadoes, hurricanes and wild fires. Released in late November, the book was co-edited by WMU's Dr. Lisa DeChano, assistant professor of geography, and Dr. Joseph Stoltman, professor of geography, along with Dr. John Lidstone, a senior lecturer on the faculty of education at Queensland University of Technology in Australia. The three also co-wrote the introductory and final chapters.

The book explores the so-called "Ring of Fire," the hotspot of earthquakes, volcanoes and tsunami activity around the rim of the Pacific Ocean, where an extensive tsunami warning system has been put in place.

College of Fine Arts

Kalamazoo becomes 'bass' of music operations

Tom Knific, professor of music, was honored as a "hometown hero" by the Kalamazoo County Convention & Visitor's Bureau recently for his role in arranging to have the world's leading bass players come to the city for six days in June.



Knific

Knific was lauded as the person responsible for bringing this year's International Society of Bassists annual convention to Kalamazoo. That

event, set for June 6-11, is expected to attract some 1,000 bassists from 30 nations around the globe.

Chairperson of WMU's Jazz Studies Program, Knific has been a faculty member in the School of Music since 1987 and teaches both classical and jazz performance.

College of Engineering and Applied Sciences

Alabama's Greene is new dean of engineering college

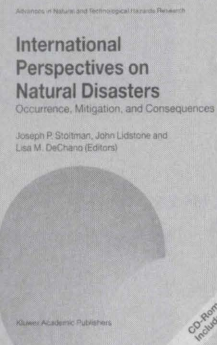
An industrial engineer with a track record in academic leadership and service to industry has been selected to lead the College of Engineering and Applied Sciences.



Greene

Dr. Timothy J. Greene, assistant vice president for research and academic affairs at the University of Alabama, took the reins as dean of WMU's engineering college in April.

Greene had been in his previous role at Alabama since July 2004. Before accepting the position, he had served as dean of the College of Engineering there since 1999. Prior to joining the administration at Alabama, he was associate dean for research for four years at Oklahoma State University, and he earlier served for four years as head of OSU's School of Industrial Engineering and Management. In addition, Greene was a faculty member at Virginia Tech from 1980 to 1991.



Haworth College of Business

New major programs focus on business of technology



New majors in electronic business design and telecommunications and information management came online during the fall semester.

The electronic business design major, known as eBizD, is housed in the Department of Business Information Systems, as part of the Computer Information Systems division. The bachelor's-level program is training business students to become information technology professionals with the skills to apply Internet technologies to manage corporate resources and develop business applications.

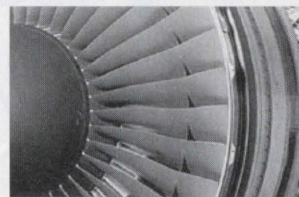
The business information systems CIS division has partnered with the Department of Communication to offer a telecommunications and information management major that is a 21st-century approach to the industry. The new interdisciplinary major replaced the telecommunications management major. Students will be trained in a variety of telecommunications and data communication sub-disciplines,

including telephony, data base management, network operations, cable television, satellite communication and Internet communication.

College of Aviation

What can 'Brown' do for WMU?

Global package-delivery giant UPS has put a piece of equipment to work to make sure the next generation of aviation professionals has hands-on experience in how to maintain the engine systems that are the backbone of its service network.



The Atlanta-based corporation donated a 747 aircraft engine to the College of Aviation this winter for use in the college's maintenance technology program. The massive engine will be used to familiarize students with the engine systems and components typical of large aircraft engines.

UPS donated both the engine and shipping costs of the JT9D Pratt & Whitney engine. The engine is typical of the type that powers 747, 767, A300, A310 and DC-10 aircraft. Pratt & Whitney, in turn, agreed to donate an engine pedestal to facilitate use of the engine for instruction.

College of Health and Human Services

Nursing school adds master's degree to offerings

Southwest Michigan nurses who have completed undergraduate degrees now have a new option to further their education—a master's degree in nursing.

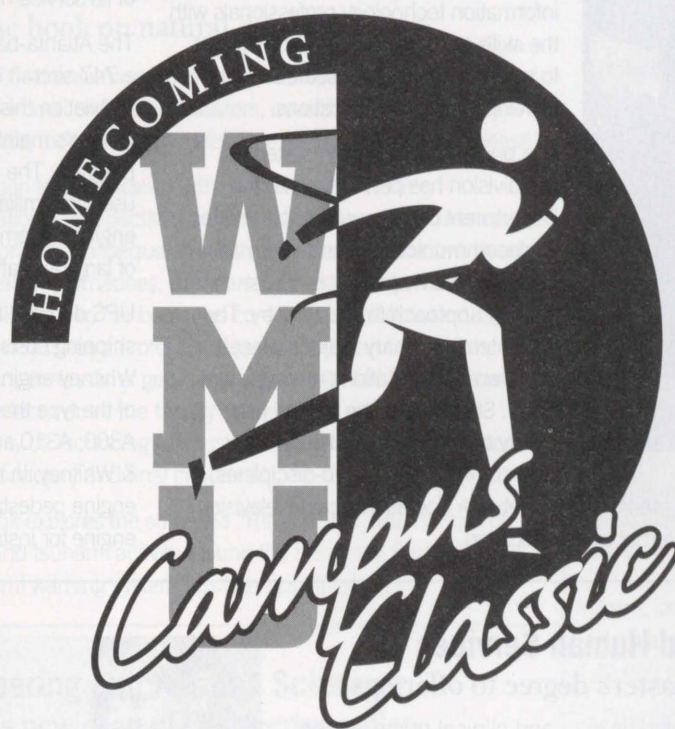
A master of science in nursing degree will be offered, effective in fall 2005. The move completes plans to offer such a degree since the WMU Bronson School of Nursing was established in 1994.

"The new degree program will meet the urgent demand for nurse faculty

and clinical nurse leaders and managers in the Southwest Michigan area," says Dr. Marie Gates, the nursing school's director. "In this era of tremendous nursing shortages, especially for nursing faculty, WMU will provide excellent graduate-level education for nurses seeking advanced career opportunities."



See you at
the finish line!



www.wmich.edu/race

Oct. 29, 2005

Prison-based group donates funds for Braille computers

A non-profit, Braille transcribing organization housed in a Michigan prison has donating \$36,600 to the Department of Blindness and Low Vision Studies to purchase 11 new Braille computers.

The \$36,000 grant is from the MBTF—Michigan Braille Transcribing Fund—whose workers are primarily inmates at the State Prison of Southern Michigan in Jackson and produce Braille textbooks for thousands of children with visual impairments around Michigan and the United States.

The funds will pay for 11 BrailleNote PDAs—Personal Digital Assistants. The BrailleNote PDA is a laptop-like computer with a Braille keyboard and a voice output, in addition to a single line of Braille that acts as the device's monitor. The operator uses the nine-key keyboard to type in documents or commands, but instead of peering into the screen to read the output, the user reaches down on the near top edge to read a line of Braille dots that pop up through small holes in the case.

Dr. Susan Ponchillia, WMU professor of blindness and low vision studies who teaches the Braille course for the department, is excited about having the new devices.

"We have taught the Braille class for more than 20 years using a 1950s designed mechanical Braillewriter, which requires students to produce a perfect page of Braille on the first try or tear up the work and start again," she says. "The BrailleNote acts like any other computer, so you can add a letter or take one away anywhere and the software corrects the spacing. The most exciting part of having the BrailleNote PDAs for class is that they give new Braille learners immediate feedback on the correctness of their work."

New site for chemistry instruction to open in 2006

This spring, the campus began construction on a new \$28.5 million chemistry building that will be ready for chemistry students by fall 2006.

The WMU Board of Trustees authorized a fast-track approach to construction of the instructional laboratory facility because of the extreme need for such a building to replace the aging McCracken Hall as a

site for student instruction. The plans call for an 83,300-square-foot building that will be attached to Wood Hall and bordered on two sides by Waldo Library and the Dalton Center.



The facility, which will be used only for student instruction, includes three large auditoriums that can be used both for chemistry and general education purposes, as well as smaller classrooms, instructional labs and spaces dedicated for use by student groups. No faculty offices will be part of the new facility, but will be easily accessed through the connector to Wood Hall, where chemistry faculty members have their offices. To preserve campus green space around the building site, a tunnel will connect the new building to the Dalton Center, providing access for shipping and utility maintenance.

First Peace Corps graduate degree awarded

In December, the University awarded its first master's degree



Simpson

in development administration with a Peace Corps option, starting what promises to be a steady stream of newly trained professionals whose focus is on building

the development capacity of nations around the globe.

Ryan C. Simpson of Portage, Mich., became the first at WMU to earn the MDA-Peace Corps degree. After completing the required

30 credits of course work, he spent 27 months in South Africa in a community about an hour from Johannesburg. His focus there was on HIV-AIDS awareness and helping one community build its infrastructure and capacity to attract grants to fight the disease. He also worked extensively with children.

With the launch of its program in 2001, WMU became the first in Michigan and one of only three universities around the nation to establish a collaborative initiative with the Peace Corps' Master's International Program.

Landmark plane gives its all for safety

After more than four years of service to WMU's College of Aviation, as well as a variety of state and federal agencies, the University's Boeing 747 spent its final days giving its all in service to the cause of crash recovery and rescue.

The 747, donated to the college by Northwest Airlines in February 2000, was slated for demolition Aug. 12. Before that happened, the massive aircraft, which had become a fixture on the Battle Creek, Mich., skyline, was used for a series of drills by the 110th Civil Engineering Squadron, commonly called the "Crash, Fire and Rescue Squad," of the Air National Guard stationed in Battle Creek near the college at W.K. Kellogg Airport.



"We made the decision earlier this summer that it was time for the plane to be demolished and sold for scrap," says WMU Aviation Dean Rick Maloney. "But we wanted to ensure we

were able to wring every last useful moment from its presence on campus before we let it go."

The plane was used over the years to give students a hands-on look at a number of important operating systems. In recent years, the 747 played an increasingly important role as the site of drills by the U.S. Weapons of Mass Destruction team housed at nearby Ft. Custer as well as state emergency response teams. Maloney expects the college to remain in the business of offering such teams a place to hold drills and conduct research, and he's in the process of lining up a smaller, replacement aircraft to be used for that work.

Domestic energy production is a core value

WMU has received a \$1,033,475 U.S. Department of Energy grant to conduct research that will help the nation reduce its dependency on foreign oil. The three-year project will employ 3-D modeling and other state-of-the-art technology to determine the most likely underground distribution of some of Michigan's best-producing oil and gas reservoirs, allowing these hydrocarbons to be extracted in more efficient and economical ways.

Only half a dozen universities in the nation can do the type of research WMU will be doing in the project's final phase, according to Dr. G. Michael Grammer, project leader and associate professor of

geosciences. "There are probably less than 50 people worldwide—most employed by multinational oil companies—who have been trained to integrate the sophisticated technologies and approaches we'll be using," Grammer notes.

Ultimately, he says the team's work will not only enable smaller companies to reduce the amount of drilling they do in sensitive areas like Lake Michigan, but also help them maximize the recovery of hydrocarbons from newly discovered reservoirs as well as increase the recovery of bypassed or stranded hydrocarbons in existing fields.

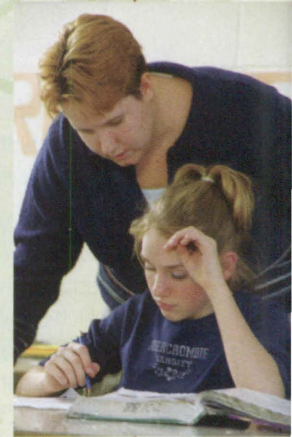
Grant promotes effective use of K-12 education data

A grant of \$425,000 from the Wallace Foundation to WMU researchers will support the first year of work aimed at the development of education leaders in urban school districts who use data effectively to identify and implement teaching strategies that lead to improved student performance.

The project has begun in public school districts in Detroit, Flint, Benton Harbor and Lansing. Principals and then teachers in four schools in each district will help researchers build a model for data selection and use that can be employed in schools statewide.

WMU will lead a statewide coalition that includes the governor's office, the state Board of Education, the Legislature, major education organizations and other universities. Their goal is to develop a new system to assist school leaders, who are often overwhelmed by massive amounts of data, in using data as a tool to make instructional decisions that lead to the improvement of student performance.

The initial year's \$425,000 grant is renewable for each of two additional years for a total of up to \$1.275 million. Leading the effort are project co-directors Dr. Jianping Shen and Dr. Van Cooley. Both are professors of teaching, learning and leadership.



Alumna, teacher training tradition had start in same year

Fall semester 2004 marked the 100th anniversary of WMU's first full semester of teacher education and the 100th birthday of one of the University's oldest alumni, retired educator Margaret A. Buttery.

Buttery celebrated her birthday Oct. 16 as the University marked its 2004 Homecoming celebration. WMU President Judi Bailey and College of Education Dean Gary Wegenke stopped by Buttery's Kalamazoo home a few days ahead of time for a visit and to present her with a special University citation noting the year of her birth and its importance to the institution



Buttery with WMU President Judith Bailey

and praising her personal and professional life as one that "exemplified the goals and qualities that have long been the institution's hallmarks."

Buttery, formerly Margaret Brockway, earned her teaching certificate in 1927. She taught in the Michigan cities of Holland, Detroit and Grand Haven before marrying and moving to Battle Creek. After raising a family, she returned to full-time teaching in 1960 in Kalamazoo elementary schools and retired in 1968. A granddaughter, Natasha Allard, is a current WMU student and is headed for a teaching career.

Physicist gets DOE funding for nanosystems research

A WMU physics professor will continue her research at Lawrence Berkeley National Laboratory using a new \$564,000 federal grant that will help her unravel the mysteries of nanosystems that are the bridge between gas-phase matter and solid-state matter.



Berrah

Dr. Nora Berrah will use the U.S. Department of Energy funding to conduct her research over the next three years at the Advanced Light Source, a research facility located at the Berkeley laboratory in California. Berrah has been working at that facility for a number of years and led a team of international scientists who developed a sophisticated experimental research center there.

Her new funding will allow her to lead a WMU-centered team of postdoctoral and graduate students as they use the Advanced Light Source photon beam as a probing agent in an effort to understand the electronic and magnetic properties present in a relatively new area of study—metal clusters and their ions. The properties of those clusters change as a function of cluster size, she says, and little is currently known about them.

"A fundamental understanding of those clusters," she says, "will ultimately allow us to manipulate their properties and make systems that can be tailored to our needs."

The clusters she is studying are aggregates of a few or several hundred atoms that form a system with a nanometer

dimension. Understanding them, she says, will impact the development of molecular electronics that may use clusters to create highly functional miniature devices.

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New economy businesses give Michigan benefit of the doubt

Those who run Michigan's cutting-edge businesses call access to venture capital their single most pressing need. They're optimistic about their companies' futures and they're keeping an open mind about the state's ability to become a powerhouse in the life sciences.

Those are just some of the conclusions unveiled in the New Economy Progress Report noted by WMU President Judith I. Bailey during a February address to the Detroit Women's Economic Club. The report detailed the first wave of information found in what is to become an annual study of business leaders in the state's new economy businesses. The WMU Research Foundation survey was completed early this year by EPIC-MRA, a Lansing-based, public-opinion, marketing and research firm.

More than 1,100 company representatives took part in the survey, which was designed to gauge the companies' resources and growth plans, define the challenges they face, analyze their confidence in Michigan's ability to build a life sciences base, and examine how such companies view and use the state's universities as a resource.

"New economy businesses now play a significant role in shaping Michigan's business climate and they intend to play an even greater role in the future," says Bailey. "Their need for capital to continue growth came through loud and clear in this survey, and the views they expressed illustrate the merit of recent state government proposals to increase the availability of such funds."

The companies taking part in the survey included those whose primary business is in engineering, information technology, consulting in a variety of areas, life sciences, telecommunications, health care, scientific services or manufacturing.

Bailey says one of the most significant findings was that survey respondents place great confidence in the state's public universities and believe those institutions can provide the expertise and graduates necessary to reshape the state's economy.

"Those surveyed told us the state's greatest strength is its educational system," Bailey says. "That's a message we were hoping to hear. One of the reasons we undertook this survey is to make sure our efforts are on track, both in preparing new members of the work force and providing the research and commercialization resources new companies need."

Key findings include the following:

- Two of three new economy businesses expect to make capital investments in the next five years, but four of five businesses looking for money today find investment capital hard to locate.
- Michigan's universities are key resources for new economy businesses, and more than half of such firms have turned to universities for help with a variety of needs.
- Most new economy business leaders remain unconvinced that Michigan will become competitive in the life sciences, but they point to startup funds for life sciences entrepreneurs as the most effective strategy for making Michigan a major player in that sector.
- The companies surveyed expect to provide healthy employment opportunities for skilled workers this year, and an overwhelming majority of those surveyed delivered a ringing endorsement for the caliber of the work force being trained by Michigan's public universities.



Students hammer home housing message

A year after pounding in the first nail, WMU students dedicated a two-story, 1,100-square-foot house near campus that not only increases Kalamazoo's stock of affordable housing, but also honored the University's 2003 centennial.

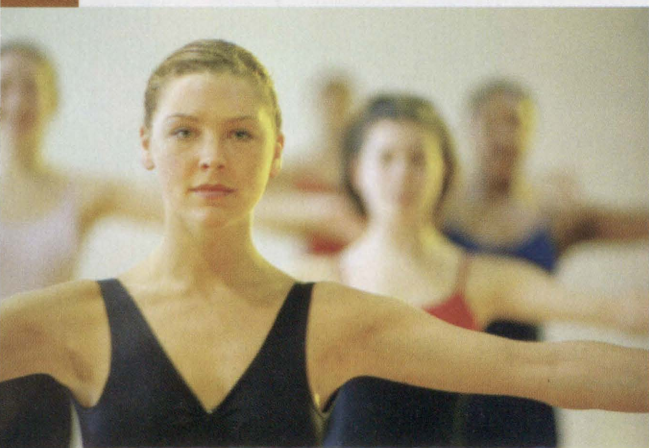
Student volunteers began "raising the roof" in September 2003 after the WMU Student Centennial Committee sponsored the construction project with help from Kalamazoo Valley Habitat for Humanity. Completion of the house was one of the final acts of the centennial celebration.

The Student Centennial Committee raised \$25,000 in monetary gifts and in-kind donations of materials and services to support the project. This figure includes gifts from the Alpha Tau Omega fraternity, which brought in nearly \$16,000; student chapter of Habitat for Humanity; and Centennial Steering Committee.

Some 200 campus and community volunteers contributed more than 2,000 hours of their time and talents to building the University's centennial home.

WMU dancers invited to perform at Kennedy Center

For the second time in three years, WMU's Department of Dance has been invited to perform at the Kennedy Center for the Performing Arts in Washington, D.C.



George Faison, Tony-award winning choreographer of "The Wiz," invited WMU dancers to perform excerpts of his dance "Suite Otis" at the Kennedy Center as part of a five-day series of concerts in April honoring African American choreographers' contributions to the world of modern dance.

WMU dancers performed with members of Philadanco and were on the same program as Rennie Harris and Company and Tamango Urban Tap, all big names in the dance world.

"We are honored that Mr. Faison thinks so highly of our students' talent," says Nina Nelson, dance department chairperson. "Performing at the Kennedy Center with such renowned companies was the chance of a lifetime for our students."

Faison was a guest artist at WMU during the 2004-05 academic year. In October, he staged "Suite Otis" with the help of 36 dance students. The dance was featured in the February Winter Concert of Dance and produced under the auspices of the department's Great Works Dance Project.

New geosciences research capability gets way off the ground

A major new research capability at WMU gained the high ground last fall, when a data receiving station was installed atop Everett Tower. The station allows WMU's recently created Earth Sciences Remote Sensing Facility, known as ESRS, to capture and apply a wealth of environmental and geologic data from sensors on three Earth-orbiting satellite-systems, then share this information online with scientists around the world.

"The images and data being downloaded give us real-time access to information about the earth and its atmosphere that we can use to address issues related to everything from water quality to urbanization to forest fires," says Dr. Mohamed I. Sultan, chairperson of the Department of Geosciences and director of the ESRS Facility.

ESRS researchers have been focusing initially on a \$200,000 grant project funded by the National Oceanic and Atmospheric Administration that will broaden knowledge of U.S. coastal waters and monitor harmful algal blooms in the lower Great Lakes. Other ongoing projects include a National Science Foundation-funded effort to help post-war Iraq renew its key marshlands and several scientific studies that urban planners and others can use to improve the lives of people living in areas such as Costa Rica, Egypt, Saharan Africa, Southeast Asia, Arabia, and southern Europe.

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Two alumni take seats at the board table

Michigan Gov. Jennifer Granholm announced Jan. 28 the appointments of two WMU alumni as members of the University's Board of Trustees.



Archer



Tolbert

Dennis W. Archer of Detroit was appointed to succeed Birgit Klohs of Grand Rapids, whose term had expired. Larry F. Tolbert of Kalamazoo succeeds Vernice Anthony of Detroit, whose term also had expired. Both new

trustees will serve terms on the board that run through Dec. 31, 2012.

Archer is chairman of the Michigan-based Dickinson Wright PLLC law firm and recently completed a term as the president of the American Bar Association. The former mayor of Detroit earned a bachelor's degree in education from WMU in 1965 and an honorary doctor of laws degree in 1987.

Tolbert, who earned his bachelor's degree in 1975, is organizer and secretary of health/pension funds for Heat and Frost Insulators and Asbestos Workers.



Campus to dramatically improve exhibition venues with construction of Richmond Center for Visual Arts

Campus arts initiatives and community access to the arts will get a boost with the construction of the new James W. and Lois I. Richmond Center for Visual Arts, which will get under way this summer, following a May groundbreaking.

The long-planned, 40,000-square-foot facility will be located on the Fountain Plaza between the Dalton Center and the Miller Auditorium parking ramp and will be connected to both by enclosed walkways. The new building, which will take about 18 months to complete, will be used primarily as exhibition space and will be connected to Kohrman Hall, which once housed WMU's College of Engineering and Applied Sciences. Kohrman will eventually be renovated to house classroom and studio space.

"The new building is going to make a night-to-day difference in our ability to provide accessible, quality exhibitions of works by students, faculty and visiting artists," says Margaret Merrion, dean of the College of Fine Arts. "It will permit this 'College of Distinction' to advance its mission of public cultural education."

James and Lois Richmond, both WMU graduates, made a \$2.5 million gift to help make the building a reality. Lois is a former assistant vice president of administration at Bronson Methodist Hospital. James was an executive with Stryker Corp., where he served as senior vice president of global marketing and development prior to his retirement in 1988. James Richmond is a well-known Kalamazoo area artist, and the Richmonds have a longtime association with the Kalamazoo Institute of Arts, where James has served on the board of directors and steering committee for the institute's school.

Sunseeker car to race from Austin to Calgary

WMU engineering students will pit their skills against those of students from the top engineering schools in the United States and Canada this summer when they bring their car to the starting line for the longest collegiate solar race ever—the 2,500-mile American Solar Challenge.

The race begins July 17 in Austin,

Texas, and ends 10 days later in Calgary, Alberta. Powered solely by sunshine, more than 40 teams will compete over terrain that varies from Midwest farmland and prairies to the foothills of the Canadian Rockies.

The 2005 race marks the eighth time a WMU car has competed in the biennial race, and the WMU team is

one of only three teams in the nation to have completed all seven previous races. In a cross-country race along Route 66 from Chicago to Barstow, Calif., the 2003 version of Sunseeker finished in fifth place, WMU's best-ever showing. Design changes in this year's vehicle are expected to make it even more competitive than last time.

WMU playwright helps launch civil rights anniversary celebration

A Department of Theatre professor's play about civil rights pioneer Rosa Parks was picked to help kick off commemoration of the 50th anniversary of the Montgomery Bus Boycott.

"Rosa Parks—More than a Bus Story" by Dr. Von Washington, director of multicultural theatre, was staged in January in Montgomery, Ala. The work is an outgrowth of Washington's 2001 play



"Rosa," which was premiered on the WMU campus and uses Parks' autobiography as a window into her role in the civil rights movement. Washington's play is the only production of Rosa Parks' life that has been personally authorized by the civil rights giant.

"This is what I had hoped for all along, to perform this play in Montgomery, where the momentous activity began,"



Washington

Washington says. "Having it as a part of the 50th Anniversary celebration is almost unbelievable."

Washington has been in contact with several companies in Montgomery since his play's world premiere at

WMU. Representatives came to see the production in 2001 and were enthusiastic

about staging the play in the place where the historic events unfolded in 1955. The 50th anniversary of the famous bus boycott provided the perfect opportunity.

Washington and his wife, Fran, who together operate the theatre company Washington Productions, both performed in the play, with Washington serving as the main narrator and Fran Washington reprising her role as Rosa Parks.

Environmental science graduate named to All-USA College Academic Team

Senior Tristan Brown was named in February to USA Today's All-USA College Academic Team, the members of which represent the nation's most outstanding students.

Brown, who graduated in April, is an environmental science major from Franklin, Mich., and a member of the Lee Honor's College. He was among 20 students nationwide named to the Third Team. Brown was joined by other Third Team members from such institutions as Harvard, Boston College, Penn State and Georgetown. Students' names were published in the Feb. 17 edition of *USA Today*.

In addition to the 20 students named to the Third Team, 40 more were chosen for the First and Second teams. Only one



Brown

other student at a Michigan college or university was selected.

The criteria are designed to find students who excel not only in scholarship, but also in leadership roles on and off campus.

A key element given most weight by the judges was a student's outstanding original academic or intellectual product.

Brown was singled out for producing the documentary "Jaunt to Malaysia," his research on toxic pollutants absorbed by underwater bacteria and his selection in 2004 as a Udall Scholar.

College basks in opportunities created by two jet gifts

The University's aircraft fleet took on a speedier look in late fall, as two friends of the College of Aviation put their personal jets in the hands of college faculty and staff.

In October, aviation legend Suzanne D. Parrish agreed to lease her signature pink Cessna 425 to the college for \$1 per year, saying she recalled her own fascination with flying as a young person and was glad her plane would be part of an aviation education community she admires. Parrish, who began flying in 1942, is the co-founder of the Kalamazoo Aviation History Museum and the first woman

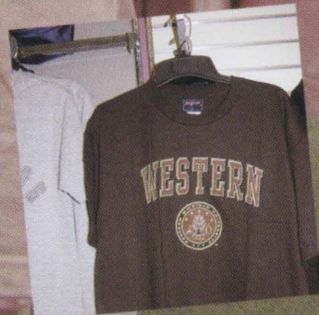
inducted into the Experimental Aircraft Association's Warbird Hall of Fame.

In November, alumnus and Detroit-area executive Robert Gustafson donated his personal Sabreliner jet, a Sabre 60, to the college. Previously owned by golfing legend Jack Nicklaus, the plane will be used in the college's maintenance technology program. A longtime aviator, Gustafson is CEO and chairman of Hubert Distributors Inc., the Anheuser-Busch beer distributor for Oakland County.



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