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A publication for faculty and staff of the WMU College of Arts and Sciences

## WMU to aid in MSA Research

A fundraiser, Miracles for MSA, will be held in Nashville, Tenn. on March 20 to raise research funds for a disease called MSA (Multiple System Atrophy). The fundraiser is being sponsored by the Fernando Bryant Foundation and the Pittsburgh Steelers (Super Bowl champs). Money raised will benefit research at WMU, with some going to Genemarkers and Vanderbilt University.

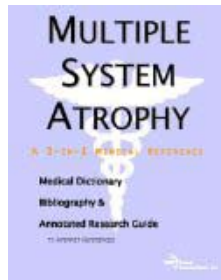
**Dr. Charles Ide**, Director, of the WMU Environmental Institute, along with **Dr. Anna Langerveld**, published the first genomics-based approach to understanding MSA, using postmortem brain samples. That publication led to a collaboration with Dr. David Robertson of Vanderbilt University Medical School to extend the research to a similar analysis on blood cells from living patients. Last year, the pair met with Robertson and colleagues, patients, and caregivers in Nashville to work out the details of the new project. Robertson is a world-renowned neurologist and collaborator in the project.



*Dr. Charles Ide*



*Dr. David Robertson*



MSA is one of the worst neurological diseases, ever, destroying the part of the patient's brain that controls most motor movement, breathing, blood pressure, continence, swallowing (all things we do automatically), yet leaves the cognitive part of the brain intact. So patients go through extreme trauma as they deteriorate with total awareness of what's happening to them.

According to Ide, "I think our research can make a big difference, since we will be the first group to extend a genomics approach (the basis of personalized medicine) to the disease and to these patients specifically. I am totally devoted to getting this project done quickly."

For more information about the project, contact Ide at [charles.ide@wmich.edu](mailto:charles.ide@wmich.edu) or visit [www.wmich.edu/env](http://www.wmich.edu/env)



## Second WMU Day at the Capitol plans under way

Western Michigan University's second annual WMU Day at the Capitol is planned for 10 a.m. to 2 p.m. May 27 in Lansing, Mich., and will build on the success on the inaugural event that drew more than 700 participants.

Organizers are soliciting and accepting proposals from WMU faculty, students and staff through Friday, March 27, for programs and projects to be highlighted on the front lawn of the Michigan Capitol. Celebrating the theme of WMU's success, selected exhibits will be visually stimulating, interactive or hands-on and could include anything from a fine arts performance to a research project demonstration.

Proposals will be evaluated based on the potential of the proposed exhibit for audience engagement and on achieving a broad and diverse representation of the University. Applications will be reviewed, selected and confirmed by early April.

Also in early April, registration to attend the event will begin, including options for free bus transportation between Kalamazoo and Lansing and to receive lunch and a WMU Day T-shirt.

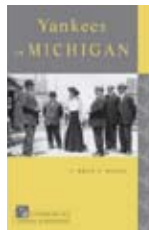
For information, visit [wmich.edu/wmuday](http://wmich.edu/wmuday).

## FACULTY

- **Allen Zagarell**, has established and runs the Central Asian Society. It a pretty vibrant group that has regular events. His research interests include social inequality, ethnohistory, political economy, computer-based applications in archaeology, and he has a regional focus on South Asia.
  - **Janet Heller's** (English) fiction picture book for children, *How the Moon Regained Her Shape* (Sylvan Dell, 2006), is one of five finalists for the Oregon Reading Association's Patricia Gallagher Picture Book Award.
  - Beginning November 1, 2008, **Charles Henderson** (Mallinson Institute) became the Physics Education Research editor at the *American Journal of Physics*. Published by the American Association of Physics Teachers, the *American Journal of Physics* is an archival journal, edited to serve teachers of advanced-level physics instruction as well as researchers in the fields of physics and physics education. It is published monthly January through December and has a print circulation of 6,500 copies.
- Henderson also has a new publication:
- Froyd, J., Beach, A., Henderson, C., & Finkelstein, N. (2008). *Improving Educational Change Agents; Efficacy in Science, Engineering, and Mathematics Education*. In H. Hartman (ed.), *Integrating the*

*Sciences and Society: Challenges, Practices, and Potentials*, Bingley, UK: JAI Press, pp. 227-256.

- **Brian C. Wilson** (Comparative Religion) has had a new book published. "Yankees in Michigan," has been published by Michigan State University Press as part of the *Discovering the Peoples of Michigan Series*. This new book tells how New Englanders forged Michigan's identity.



**Bob Poel** (Mallinson Institute) has written or co-written:

- Goldberg, F., Bendal, S., Heller, P., & Poel, R. (2009), *InterActions in Physical Science* (second edition), *It's About Time*, Herr Jones Education Division, Armonk, NY.
- Poel, R. (2008), *Exhibitor Workshop: InterActions in Physical Science*, National Science Teachers Association, 2008 Area Conference on Science Education, Cincinnati, Ohio, December 2008.
- Poel, R. (2008), *Exhibitor Workshop: Physics & Everyday Thinking (PET) and Physical Science & Everyday Thinking (PSET)*, National Science Teachers Association, 2008 Area Conference on Science Education, Cincinnati, Ohio,



December 2008.

- Poel, R. (2008), *Can Your Students Think Like a Scientist?*, National Science Teachers Association, 2008 Area Conference on Science Education, Cincinnati OH, December 2008.

## STUDENTS

- Communication student **Alex Inkster** has been selected to participate in the Adobe Reel Ideas program at the Sundance Film Festival in Park City, Utah.
- **Sara Waisanen** has been selected as this year's Presidential Scholar to represent the School of Communication.

## ALUMNI IN THE NEWS

- **Matt James** (Communication, '82) has been elected to a three-year term as Chairman of the board of directors of the Lucile Packard Foundation for Children's Health
- **Walter Jones III** (Political Sciences) has founded the non-profit Constructive Community Builders Inc., Jones taught political science in high school and colleges in the Flint area, and is in the process of earning a law degree from the Miles School of Law in Birmingham, Ala.
- **Chris Schermerhorn** (History) has been promoted to office manager in the Stadium Dr. office of Consumer Credit Union.

## CAS Faculty and Staff Join MLK Day Celebration

The 2009 Dr. Martin Luther King Jr. Celebration at Western Michigan University focused on expanding ties with the local community and on education. On Sunday Jan. 11, a “Higher Education Open House” was held on campus and provided an opportunity for high school students and their parents to learn about the benefits of going to college, how to take advantage of the Kalamazoo Promise scholarship program and the many educational opportunities available at WMU. Along with Associate Dean, Susan Stapleton, the following faculty, students and staff from the College of Arts and Sciences participated and helped to make the event a success.

### Advising Office

- Nick Gauthier, Academic Advisor
- Jacquelyn Bizzell, Academic Advisor

### Chemistry

- American Chemical Society Student Affiliate (Chem Club), Megan Black, undergraduate

### Environmental Studies

- John Landosky, Instructor

### Geosciences

- Susan Grammer, Coordinator - Michigan Geological Repository for Research and Education (MGRRE) K-12 Outreach Program
- Jennifer Lindquist, MGRRE, graduate student

### School of Communication

- Jennifer Machiorlatti, Faculty
- Joel Johnson, graduate student
- Nate Mark, undergraduate

### Spanish

- Michael Millar, Faculty

*Deadline: June 5, 2009*

## Save Our History Invites Applications for Community Education and Preservation Projects

Save Our History, a program of the History Channel and the American Association for State and Local History, is a national initiative that supports local history education and historic preservation efforts in communities across the United States.

Each year, Save Our History awards a total of \$250,000 to history organizations that partner with schools or youth groups on preservation projects that engage students in learning about, documenting, and preserving the history of their communities.

Eligible applicants must be nonprofit 501(c)(3) history organizations (e.g., museums, historical societies, preservation organizations, historic sites, libraries, or archives) located in one of the 50 states or the District of Columbia. Applicants must partner with a local elementary, middle, or high school(s), or organization(s) that provides educational programming for children of similar ages to design a historic education and preservation project.

For more information visit the Save Our History website: [www.history.com/minisites/saveourhistory](http://www.history.com/minisites/saveourhistory)

## WRITING FOR AND ABOUT WMU

WMU writing style conforms to Associated Press style, which is the standard for most college and university style guides and the standard for writing for the Web. Associated Press style does not employ italic or underlined type for any purpose.

- Titles of lectures, speeches, magazine and journal articles, television shows, poems, films, plays, paintings and songs are placed within quotation marks: “Slumdog Millionaire.”
- Names of concertos, operas, overtures, sonatas, suites and symphonies, such as Tchaikovsky’s Symphony No. 6, are not placed in quotes, but if the work also has a title, the title is placed in quotes: Tchaikovsky’s Symphony No. 6, “Pathetique.”
- Names of newspapers, magazines and other periodicals are not placed within quotation marks: Kalamazoo Gazette, WMU Magazine.
- Titles of books are placed in quotes, except for the central text of a religion, such as the Bible or the Koran, and dictionaries and other reference books.
- Note: If you are writing or editing a scholarly thesis or for a magazine or journal, you should conform to the style prescribed by the publisher.

Many publications have their own distinctive rules of style.

## DOE PARTNER BEGINS INJECTING 50,000 TONS OF CARBON DIOXIDE IN MICHIGAN BASIN

Washington, D.C. — Building on an initial injection project of 10,000 metric tons of carbon dioxide (CO<sub>2</sub>) into a Michigan geologic formation, a U.S. Department of Energy (DOE) team of regional partners has begun injecting 50,000 additional tons into the formation, which is believed capable of storing hundreds of years worth of CO<sub>2</sub>, a greenhouse gas that contributes to climate change.

### INJECTION TEST

DOE's Midwest Regional Carbon Sequestration Partnership (MRCSP), led by Battelle of Columbus, Ohio, began injecting the CO<sub>2</sub> this week in the Michigan Basin near Gaylord, Mich., in a deep saline formation, the Silurian-age Bass Island dolomite. The MRCSP is one of seven partnerships in DOE's Carbon Sequestration Partnership Program, which was created to assess optimal CO<sub>2</sub> storage approaches in each region of the country. The program is managed for DOE's Office of Fossil Energy by the National Energy Technology Laboratory (NETL).

"This injection test, one of three performed by our Midwest partner, will significantly increase our understanding of CO<sub>2</sub> storage technologies and practices in a real-world setting," said Victor Der, Principal Deputy Assistant Secretary for Fossil Energy. "This project will not only provide important information about promising sequestration techniques but it will also go a long way toward creating jobs in the energy sector."

When the current project is

completed, the total 60,000 metric ton injection at the Michigan site will mark the largest deep saline reservoir injection in the United States to date and will allow scientists to more fully evaluate how CO<sub>2</sub> moves through the basin's geologic formation. Injections are expected to take place at an average rate of 250 tons per day up to a maximum rate of 600 tons. The 6-month project and related activities of the MRCSP are expected to create more than 230 jobs and 2,900 total project job years. The latter figure represents the number of full-time jobs per year times the number of years that the jobs are supported.

### PROCESS

During the Michigan basin injection process, the Midwest team will provide additional insight to the knowledge gained from the initial test in 2008. The team will record geochemical changes to the system, as well as the distribution of the CO<sub>2</sub> along the wellbore. A larger volume of CO<sub>2</sub> injected over a longer period of time will also provide scientists with additional insight into temperature and pressure responses in the geologic formation, as well as any seasonal changes to the system.

Since the test is taking place within an existing oil and gas field, continuing enhanced oil recovery operations — which are being conducted by well owner, Core Energy LLC — makes this area ideal for the injection test. The area already contains much of the needed infrastructure, such as CO<sub>2</sub> compressors,

injection systems, existing wells, and pipelines, including an 8-mile-long transport pipeline.

The CO<sub>2</sub> being injected comes from a natural gas processing plant owned by DTE Energy, located near Gaylord, where the CO<sub>2</sub> will be transported via the 8-mile pipeline to the well. The depth of the injection (3,500 feet) is significantly below the 1,000-foot level of drinking water sources and does not pose any danger to them.

DOE launched the Carbon Sequestration Partnership Program in 2003 to develop and validate technologies to store and monitor CO<sub>2</sub> in various geologic formations around the country as part of a national strategy to combat global climate change.

### PARTNERSHIPS

The MRCSP team includes more than 30 partners from state and federal organizations, leading universities, state geological surveys, nongovernmental organizations, and private companies in the eight-state region of Indiana, Kentucky, Maryland, Michigan, New York, Ohio, Pennsylvania, and West Virginia. In addition to Battelle, Core Energy, and DTE, other participants include the Michigan Geological Repository for Research and Education at Western Michigan University, Stanford University Geophysics Department, Schlumberger, and the Michigan Department of Environmental Quality's Office of Geological Survey.

—*Courtesy US Department of Energy*

## MARCH

### 18 – WEDNESDAY

Event: Physics Colloquium  
Speaker: Tracy Delaney, MIT Kavli Institute for Astrophysics and Space Research, Cambridge, M.A.  
Topic: “Cassiopeia A in 3D: A Spectacular View of the Explosion.”  
Location: 1110 Rood Hall  
Time: Colloquiums are at 4 p.m.; refreshments at 3:30 in 2202 Everett Tower Bradley Commons.

Event: Federal Mix and Mingle—  
Event Description: Federal Mix and Mingle offers a unique opportunity for WMU students to meet professionals working in a variety of federal agencies. All majors are encouraged to come and learn from federal agency representatives about various career paths in the federal government, federal application process, and internship opportunities. Refreshments will be served.  
Speaker: Federal Agency Representatives  
Time: 3 to 5 p.m.  
Location: Political Science Library, 3301 Friedmann Hall  
Sponsor: Political Science Department

## Federal Mix and Mingle

### All Majors Welcome!

March 18, 2009  
3 p.m.—5 p.m.

Political Science Library  
3301 Friedman Hall

Guests include members of the:

- Defense Logistics Agency
- Internal Revenue Service
- Department of Homeland Security

### What do you want to know?

- How to find PAID internships?
- Do you really need to apply for every position through USA Jobs?
- What is the best way to find a federal job or internship?

Sponsored by the Political Science Department



### 18-22

### WEDNESDAY - SUNDAY

Event: Francophone Film Festival of Kalamazoo  
Location: Little Theatre  
Time: Multiple times

### 19 - THURSDAY

Event: Guest Scholar  
Title: “Understanding How Readers See Texts: Supporting Student Achievement” presented by Dr. Karen Feathers, WSU  
Location: Room 208, Bernhard Ctr.  
Time: 9:30 – 10:45 a.m.

Event: Soga Japan Center Piano Concert  
Featuring: Chie Sato Roden, WMU Alumna  
Location: The Oaklands, 1815 W. Michigan Ave.  
Time: 5 p.m., Reception at 6:15 p.m.

Event: Guest Scholar  
Title: “The Texts Diverse Readers Need for Success: Compelling Evidence from Eye Movement Research” presented by Dr. Karen Feathers, WSU  
Location: Putney Lecture Hall, Fetzer Center  
Time: 6 – 7:30 p.m.

### 20 - FRIDAY

Event: Canada Night at the Francophone Film Festival  
Location: Little Theatre  
Time: TBA

Event: Geography Lucia Harrison Colloquium  
Title: “Franco-Amérique: Anglo-America’s Hidden Face” presented by Dr. Dean Louder, Laval University  
Location: 2708 Wood Hall  
Time: 3 p.m.

### 23 - MONDAY

Event: Ethics Center Film Series  
Title: “Death and the Maiden” directed by Roman Polanski  
Location: 1025 Brown Hall  
Time: 6:30 p.m., screening, 8 p.m., discussion

### 24 - TUESDAY

Event: Biological Sciences Seminar Series  
Title: “It’s not just in Paris, France: Gene regulatory networks in Drosophila - from biochemistry to systems biology,” presented by David Arnosti, MSU  
Location: 1220 Chemistry Building  
Time: 12:30 – 1:45 p.m.

### 25 - WEDNESDAY

Event: George Klein Lecture – Research Colloquium  
Title: “Toward a more useful conceptualization of populism,” Dr. Kevin Deegan-Krause, Wayne State University  
Location: 3301 Friedmann Hall  
Time: 3:30 p.m.

Event: Research Presentation  
Title: “Seeing is Believing? On Visualization in Mathematics,” Dr. Yuri S. Ledyaev, WMU  
Location: Putney Auditorium, Fetzer Center  
Time: 4 p.m.

Event: George Klein Lecture  
Title: “Objects in the Mirror are Closer than They Appear: The Politics of Postcommunist Europe and Why We Should Care,” Dr. Kevin Deegan-Krause, Wayne State University  
Location: Putney Auditorium, Fetzer Center  
Time: 7 p.m.

## 26 - THURSDAY

Event: Soga Japan Center Film  
Title: "Zen"  
Location: 2208 Dunbar Hall  
Time: 6:15 – 8:25 p.m.

## 28-29

### SATURDAY - SUNDAY

Event: The Human Enhancement & Nanotechnology Conference  
Location: Room 2020, Fetzer Center 31 - Tuesday

## 31 - TUESDAY

Event: Biological Sciences Seminar Series  
Title: TBA, presented by Robert Larkin, MSU  
Location: 1220 Chemistry Building  
Time: 12:30 – 1:45 p.m.

## APRIL

### 2 - THURSDAY

Event: Canadian Studies Lecture  
Title: "A Question of Power: A Century of Hydroelectricity in Québec," presented by David Massell, University of Vermont  
Location: 2028 Brown Hall  
Time: 6:30 p.m.

### 3 - FRIDAY

Event: Geography Lucia Harrison Colloquium  
Title: TBA, presented by Theresa Heller, WMU  
Location: 2708 Wood Hall  
Time: 3 p.m.

### 7 - TUESDAY

Event: Biological Sciences Seminar Series  
Title: TBA, presented by John van Wyhe  
Location: 1220 Chemistry Building

Time: 12:30 – 1:45 p.m.

## 9 - THURSDAY

Event: Biological Sciences Seminar Series  
Title: "Predator spreaders,' 'friendly competition', and 'quality matters' three stories at the interface of species interactions and disease," presented by Spencer Hall, Indiana University  
Location: 1220 Chemistry Building  
Time: 12:30 – 1:45 p.m.

Event: English Scholarly Speakers Series  
Title: "True and False Knowledge in the Teaching and Learning of Literature" presented by Sheridan Blau, University of California, Santa Barbara  
Location: 2028 Brown Hall  
Time: 7 p.m.

## 10 - FRIDAY

Event: English Department Workshop  
Title: "Dismantling Interpretive Consumerism: Students as Producers of Responsible Interpretations"  
Location: TBA  
Time: Morning

Event: English Department Workshop  
Title: "Writing About Literature in an Authentic Academic Community"  
Location: TBA  
Time: Afternoon

Event: Geography Lucia Harrison Colloquium  
Title: "Food, Fuel, and Forests: a Moral Geography of the End of Oil" presented by Dr. J. Christopher Brown, University of Kansas

Location: 2708 Wood Hall  
Time: 3 p.m.

## 13 - MONDAY

Event: Ethics Center Film Series  
Title: "Decalogue 8" directed by Krzysztof Kieslowski  
Location: 1025 Brown Hall  
Time: 6:30 p.m., screening, 8 p.m., discussion

## 14 - TUESDAY

Event: Biological Sciences Seminar Series  
Title: TBA, presented by Joanne Dannenhoffer, CMU  
Location: 1220 Chemistry Building  
Time: 12:30 – 1:45 p.m.

## MAY

### 27-28

### WED. - THURS.

Event: Independent Book Publishers Association's Publishing University  
Highlight: Janet Heller will speak on "Expertizing for Greater Publicity" panel  
Location: New York City  
Time: TBD