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## art EVENTS

### TWEED MUSEUM

“Draw to Live and Live to Draw: Prints and Illustrations by Wanda Gag” is on display thru May 17.

“Apart at the Seams: Drawings and Paintings by Allen D. (Big Al) Carter” will be on display thru May 17.

“Bright Life: Works on Paper by Karel Appel” will be on display thru May 24.

“Framing the Collection: Select Works” will be on display thru May 24.

“Work Through the Lens: Photographs from the Permanent Collection” is on display thru May 24.

Selections from “The Richard E. and Dorothy Rawlings Nelson Collection of American Indian Art” will be on display thru Sept. 13.

The Visual Lecture Series will host Bruce Aune, emeritus professor of Philosophy at UMASS Amherst. Aune will present “Plato’s Objections to Mimetic Art” at 5 pm on May 5.

A Saturday Afternoon Gallery Talk will be held every Saturday at 2 pm.

Each Tue., from noon - 4 pm during Spring Semester, the public is invited to Discovery at Tweed. The events allow the community to observe museum staff, UMD student interns, and volunteers as they process and assess works from the collection. The public component is important because the museum also wants to capture stories from individuals in the community.

Senior Student Shows will be featured throughout the year including: Sarah Mennes, James Cook, and Jeff Schwerten (online show) from April 28-May 3, and Daniel Oyinloye and Kevin Craig (online show) from May 5-10. The opening receptions will be held on Tues. at 4 pm.

For Tweed Museum information go to [www.d.umn.edu/tma](http://www.d.umn.edu/tma), contact [tma@d.umn.edu](mailto:tma@d.umn.edu), or call 726-8222.

## music EVENTS

All events will be held in the Weber Music Hall.

A Percussion Ensemble Concert will be held at 7:30 pm on April 29.

The Choral Masterworks Concert will be held at 7:30 pm on May 1 and 3 pm on May 3.

A Jazz Ensembles Concert will be held at 7:30 pm on May 6 in the Marshall Performing Arts Center.

A Vocal Jazz Concert will be held at 7:30 pm on May 8.

The Twin Ports Wind Orchestra, American Masters, The Music of John Williams, will be held at 3 pm on May 31.

For more info contact the Department of Music 726-8561.

## theatre EVENTS

*Much Ado About Nothing* by William Shakespeare and directed by Tom Isbell will be performed at 7:30 pm from April 29 - May 2. Shakespeare's classic comedy features the proud Benedick and the sharp-tongued Beatrice, both of whom vow to never marry. Then they fall in love with each other.

For more info visit: [http://www.d.umn.edu/theatre/Current\\_Season\\_.html](http://www.d.umn.edu/theatre/Current_Season_.html)

## athletic EVENTS

### MEN'S BASEBALL

The UMD Men's Baseball team will play Upper Iowa at 1:30 pm on May 2 and at noon on May 3. All games are played at Bulldog Park, adjacent to Griggs Field.

### WOMEN'S SOFTBALL

The UMD Women's Softball team will play Mayville at 2 pm on April 28. The game will be held at the Junction Avenue Field. The NSIC Tournament begins on May 1 with the NCAA Regionals beginning on May 7.

### MEN'S AND WOMEN'S TRACK

The NSIC Championships begin May 9.

For more information, contact the UMD Athletic Office at 726-7518 or see <http://www.umbulldogs.com>.

## EVENTS, faculty/staff

### SPRING IDS EVENTS

**An Instructional Development Services** workshop, *Creating More Reflective Learners: Tips and Tools* will be held from 3-4:30 pm on Apr. 30 in 268 KSC. Register with Jason Ellis at [jellis2@d.umn.edu](mailto:jellis2@d.umn.edu) or 726-6355.

**A Write Now Series workshop**, *Picking a Place to Publish* will be held from 2:30-4 pm on May 6 in 351 KSC.

**The Early Career workshops** are held from noon-1:50 pm in 333 KSC and include: *Teaching Assessment and Evaluation* on May 1, an *a Wrap-Up Session* on May 8. For information email or call Shelley Smith at [ssmith3@d.umn.edu](mailto:ssmith3@d.umn.edu) or 726-7715.

To find out what is happening in classrooms and offices where technology is changing teaching, learning, and the interface with students, join *Tech Talk* from noon-1 pm in 333 KSC on May 13.

For more info contact LeAne Rutherford at [lrutherford@d.umn.edu](mailto:lrutherford@d.umn.edu) or 726-6207.

### ITSS EVENTS

Google Apps, presented by Bruce Reeves and Amanda Evans ITSS Tech Tues. event, will be held at 2 pm at the Viz Lab, 154 MPAC. For more info visit: <http://www.d.umn.edu/itss/support/Training/ttt/>.

A Self-Paced Training session, *Copyright 101: What is Copyright?* and *Copyright 102: Copyright for Faculty* is offered. For more info and to register visit: <http://www.d.umn.edu/itss/support/Training/SPLA/itss.html>.

## TRAINING OPPORTUNITIES

All trainings are held in 25 DA dB.

A Budget Journals class will be held from 12:30-4:30 pm on April 30, a HRMS Inquiry class will be held from 8:30 am- 3:30 pm on May 13, and a Pay/Leave/HSA class will be held from 8:30 am- 2 pm on May 14.

For more info or to enroll in training, contact Training Services at 612-626-1373 or email: [trngsvcs@umn.edu](mailto:trngsvcs@umn.edu). View their website at <http://www.umn.edu/ohr/training-services>.

## EVENTS, lectures, workshops

### SUSTAINABILITY EVENTS

"Sustainability and U: Viewpoints from UMD," the culmination of April sustainability events, will be held at 10:30 am on Apr. 29 in Weber Music Hall. Join UMD Chancellor Kathryn A. Martin and U of MN Vice President Kathleen O'Brien. For more information, visit the UMD Sustainability blog at [www.addinguptozero.com](http://www.addinguptozero.com) or Sustainability and U page at [www.userservices.umn.edu/sustainableU](http://www.userservices.umn.edu/sustainableU).

### STUDY ABROAD EVENTS

Learn basics of study abroad in Study Abroad 101 at 3 pm every Thurs in 21 SCC. For info, visit the IEO website at [www.d.umn.edu/ieo](http://www.d.umn.edu/ieo) or stop by 138 Kirby Plaza.

### PLANETARIUM

The Marshall W. Alworth Planetarium holds free public shows at the planetarium every Wed. evening at 7 pm. Shows include: *In Search of Martians* on April 29, *Stargazing Tonight* on May 6, and the Arrowhead Astronomical Society presents on May 13. Private shows are available by appointment for groups of 10 or more. See list of shows at <http://www.d.umn.edu/planet/programs>.

### BIOLOGY SEMINAR

"Wetland atrazine concentrations and occurrences of gonadal anomalies in field-collected northern leopard frogs (*Rana pipiens*)" will be presented by Angela Rohweder, Biology master's degree candidate, UMD on May 1 at 3:15 pm in 185 LSci. For more info call 726-6262 or email: [biol@d.umn.edu](mailto:biol@d.umn.edu).



*Reaching higher*

## UNIVERSITY FOR SENIORS

Adventures in Turkey will be presented at 11:30 am on May 4 by Donna Effinger. She shares her journey to Turkey, visiting Istanbul, Troy, Ephesus, Kusadasi, Pergamon, Aphrodesias, Antalya, and Cappadocia. This event is free and open to the public. For more info contact Clara Weitz at [cweitz@d.umn.edu](mailto:cweitz@d.umn.edu)

## OFFICE OF CIVIC ENGAGEMENT EVENTS

The last POV Series film, *Made in L.A.* by Almudena Carracedo and Robert Bahar, will be shown at 2 pm on May 5 in Bohannon 90. Dylan Savall will facilitate discussions after the film. For more info contact Dylan at [sava0089@d.umn.edu](mailto:sava0089@d.umn.edu) or 726-8645.

## ALWORTH EVENTS

### Brown Bag Lunches

A Brown Bag lunch, "Medellin, Cali and Bogota: Flowers, Salsa, Telefericos in Colombia" will be presented by Adam Pine at noon on April 30 in the Library Rotunda.

### Alworth Events

*Resonance: The Odyssey of the Bells* documentary film screening and discussion about the Duluth Peace Bell, presented by filmmaker Paul Creager will be held at 7 pm on April 29 in 80 Montague Hall.

The lecture, "Cuba: The Evolution of the Revolution and the U.S. Response," is rescheduled for 7 pm on May 6 in the Library Rotunda.

For more info contact Cindy Christian at [alworth@d.umn.edu](mailto:alworth@d.umn.edu).

## HEALTH SERVICES EVENTS

All events are held from noon - 1 pm unless noted.

Seizure Recognition and Response will be held on April 29 in 333 KSC.

Sleep Deprivation: The Missing Link to Obesity and Overweight will be held on April 30 in 323 KSC.

A stress management workshop series will be held from 3-4 pm on April 29 in the Library Rotunda.

For more info on any of the events contact Dori Decker at 726-7046 or [ddecker@d.umn.edu](mailto:ddecker@d.umn.edu) or visit: <http://www.d.umn.edu/hlthserv/>.

## PURCHASING CARD TRAINING

Attend a training sessions to obtain a Purchasing Card or to brush up on the program details at 1 pm on April 29 in 311 KSC or April 30 at 1 pm in 311 KSC. Advanced registration isn't necessary. For info, call 726-7168.

## ACADEMIC HEALTH SEMINAR

John W. Osborn, professor, Department of Integrative Biology and Physiology, UM, will present "Establishment of a national consortium to unravel the complexities of neurogenic hypertension" at noon on May 5, in 130 SMed. For more info call Nancy Dold at 726-8513 or Kristian Brown at 726-6354.

## MEDICAL SCHOOL EVENT

Donald R. Dengel, associate professor in the School of Kinesiology at the UM Twin Cities, will present "The Decline of Arterial Health in Children: The Roles of Obesity and Physical Activity" at noon on May 8 in 130 School of Medicine. For more info contact Michelle Juntunen at 726-6876.

## BOWLING EVENT

"Bowling, Pizza, and Pop" a Campus Women event, will be held from 5:30- 7:30 pm on May 8 at Stadium Lanes, 132 N 34th Ave West. Faculty and staff are invited to bring family and friends. For more info email Dori Decker at [ddecker@d.umn.edu](mailto:ddecker@d.umn.edu) or call 726-7046. To register visit, <http://www.d.umn.edu/~lwallace/CampusWomen/2009may.doc>.

## INDIGENOUS LANGUAGES

UMD is a co-sponsor of the Minnesota Indigenous Language Symposium on May 18 and 19 at the Northland Inn, Brooklyn Park, Minn. UMD's Gekinoo'imaagejig (The Ones Who Teach), UMD's Eni-gikendaasoyang (Center for Indigenous Knowledge and Language Revitalization), the American Indian Studies Department of the University of Minnesota Twin Cities, and the Grotto Foundation are the hosts. The symposium will focus on technology, teacher training, teaching methods, community resources, curriculum development models, adult learning, and evaluation. For information see [www.d.umn.edu/enigikendaasoyang/symposium/](http://www.d.umn.edu/enigikendaasoyang/symposium/) or contact Jennifer Niemi at 726-8419, [jehlen@d.umn.edu](mailto:jehlen@d.umn.edu).

## UMD FARMERS MARKET

The Farmers Market at UMD/Market Day in the Plaza celebrates its 10th anniversary. It opens on May 20 from 2 to 4:30 pm and every Wed. until Sept. 30 at the Kirby Bus Hub. The market offers local musicians, and artisans and supports local farmers.

Growers can contact Leah Nelson of the Sustainable Farming Association at 940-2138. Artists can contact Teri Glembin at [tglembin@d.umn.edu](mailto:tglembin@d.umn.edu) or 726-6507. For more info and to view a list of vendors, go to: <http://www.d.umn.edu/umdhr/wellness/farmersmarket>. For general info, contact Lita Wallace at [lwallace@d.umn.edu](mailto:lwallace@d.umn.edu) or 726-7822.

## specialEVENTS

### LAKE SUPERIOR GEOLOGY

The Precambrian Research Center, a field mapping institute jointly managed by the Natural Resources Research Institute and the Dept. of Geological Sciences, will be hosting the 55th Annual Institute on Lake Superior Geology in Ely, Minn from May 5-10. The meeting includes two days of technical sessions and seven field trips on the geology and resources of the Ely area. Jim Miller, Dept. Geological Sciences, is the principal chairman of the meeting. For more info e-mail [scse@d.umn.edu](mailto:scse@d.umn.edu).

### NEMBA WRITING WORKSHOP

The UMD Library and Lake Superior Writers will host the NEMBA writing workshop, led by Annette Atkins, entitled "Writing and Remembering Our Stories" from 2-4 pm on May 16, in the Library Rotunda. Explore the sacred responsibilities of writers' work and words. The writing workshop fee is \$35 for LSW members and \$40 for non-members. To register, e-mail [deborahdebcoop@aol.com](mailto:deborahdebcoop@aol.com).

### MULTICULTURAL EVENTS

April is Latin American Awareness Celebration and Sexual Assault Awareness Month.

The film: *Machuca* will be shown at noon on April 28 in 273B KSC.

Cookies for Equality Bake Sale will be held at 10 am on April 28 in the Kirby Commons.

Take Back the Night will begin at 5 pm on April 30 at the Washington Center. Located at 310 North 1st Ave. West. The march starts at 7 pm with a speak out to follow.

#### MAY Events

Prom will be held on May 2 in the Kirby Rafters. The time is TBA.

A WRAC Brown Bag: Meditation will be held at noon on May 6 in 268 KSC.

For more info on any of the events contact David L. Comer at [dcomer@d.umn.edu](mailto:dcomer@d.umn.edu) or Susana Pelayo Woodward at [swoodwar@d.umn.edu](mailto:swoodwar@d.umn.edu).

### GLENSHEEN

Glensheen is honoring Mom with three occasions to celebrate Mother's Day. A tour and celebratory buffet will be held at 9:30 am, 12:30 pm, and 4:30 pm on May 10.

Glensheen will offer free tours on Friday, May 22, in celebration of 30 years as historic house museum open to the public. The complimentary community day begins at 9:30 am and the last tour starts at 4 pm. The standard house tours will be offered on a first-come, first-served basis.

Beginning May 23, the first tour at Glensheen begins daily at 9:30 am, and last tour begins at 4 pm. For info email [glen@d.umn.edu](mailto:glen@d.umn.edu) or call 726-8910.

## CAMPUS NEWS

### academic NEWS

#### GREAT LAKES CONFERENCE COMING

In late May, the International Association of Great Lakes Research announced that Duluth has been selected as the site of their 54th Annual Conference to be held in May 2011. Since its inception in 1953, the IAGLR annual conference has never been held in Minnesota or anywhere on the shores of Lake Superior. Randall Hicks, director, UMD Center for Freshwater Research and Policy, and professor, Department of Biology, said the Center working with several university and local agency partners including the Large Lakes Observatory, Natural Resources Research Institute, GLMRI, Minnesota Sea Grant, MPCA, Minnesota DNR, the Great Lakes Aquarium, and the U.S. EPA, developed and submitted the proposal to host this meeting.

#### FULLBRIGHT SCHOLAR

Tom Beery, student, Department of Education, Teaching and Learning program, and instructor in the Department of Health, Physical Education and Recreation, has been selected as a Fulbright Scholar for 2009-2010. Tom's proposed study will examine young people's relation to nature, and analyze how environmental connectedness correlates to lifestyle measures and access to undeveloped urban green space. The study will be completed in Sweden in conjunction with the Swedish initiative, "Outdoor Recreation in Change."

#### NEW PRESTIGIOUS HONOR SOCIETY

UMD was recently selected as a chartered chapter of Mortar Board, a prominent national honor society for college seniors. The new UMD group, "Tau Delta," serves as an active honor society that makes significant contributions to college and community life. It was officially installed at a ceremony held on April 23 at the Kitchi Gammi Club. The Tau Delta chapter has already committed to promoting literacy as a part of the Mortar Board's national literacy initiative. Members of the charter class include: Rebecca Anderson, Victor DeMeireles, Jeffrey Dezelske, Katherine Dhennin, David Fechter, Anne Haglund, Justin Hauschild, Alyssa Kics, Matthew Lulay, Jennifer McCabe, Katie Miller, Stacey Neumeister, Isaac Odum, Lynn Owczarzak, Ericka Panek, Michelle Poirier, Stacey Schmiesing, Ellen Skog, Michael Sterns, Leah Tollefson, Allison Winkler, and Sarah Wotzka.

## STUDENT AWARDS

The UMD Student Awards were held on Sunday, April 19, in the Kirby Ballroom. These awards recognize outstanding leadership in students on campus, including the prestigious Sieur Du Luth Award. These awards also recognize outstanding staff, faculty, and advisors and their work with students. Award recipients were selected by committees made up of students, faculty, and staff. The 2009 Recipients Are: Outstanding Staff, Laura Young; Outstanding Academic Advisor, Steve Bardolph; Outstanding Faculty, Karl Krupstadt; Outstanding Student Organization Advisor, Daniel Pope; Outstanding Student Organization, Sociology/Criminology Club; Alumni Scholarship Award, Tim Rahkola and Wayne Gatlin; Outstanding Community Service, Angela Bode, Megan Mizuko, and Heather Thompson; Siggelkow Leadership Award, Nathaniel Guimont; Featherman Award, Hanna Dinku and Jonatan Mitchell; Leadership Award, Jennifer McCabe; Bulldog Awards, Ashley Brown, Thomas DeMinico, Caitlin Herby, Elliott Johnston, and Nicole Vander Heiden; Sieur Du Luth Award, Nathaniel Guimont; Arrowhead Awards: Alpha Phi Omega, Phil Gill, Dain Johnson, Brendan McBride, Seth Pearce, and Justin Theroux; Communications Club, Rachel Brewster, Lyndsay McFarlin, Justine Plaschko, and Taylor A Wallentine; Gamma Sigma Sigma, Vicki Caskey, Megan Mizuko, and Heather Thompson; Phi Sigma Sigma, Sarah Hays, Vanessa Hurst, Samantha Johns, Jessi Lewis, and Shana Secory; Pre-Medicine Club, Travis Fahrenkamp, JJ Germscheid, Chandana Halaharvi, and Josie Thole; Student Association, Victor de Meireles, Josh Gillson, Mandee Liberty, Andrew Sax, and Kaylee Timbers; and V-Day, Linda Gokee-Rindal.

## NEMBA AWARDS

The 21st Annual Northeastern Minnesota Book Award Dinner is scheduled for May 17 at the MPAC. The event, which honors nominated authors, begins with a 12:30 pm book fair, followed by dinner and the award program at 3:30 pm. NEMBA recognizes books which best represent northeastern Minnesota's history, culture, heritage or lifestyle. NEMBA is sponsored by the UMD Library, Friends of the Duluth Public Library, and Northern Lights Books and Gifts. The keynote speaker is Annette Atkins, a professor of history at St. Benedict's College of St. John's University. She wrote *Creating Minnesota: A History from the Inside Out* (Minnesota Historical Society Press, 2007). For more info visit the NEMBA website at [www.d.umn.edu/lib/nemba](http://www.d.umn.edu/lib/nemba), or call 726-7889.

## VOLUNTEERS NEEDED

Volunteers are needed for both the Graduate Program Ceremony and the Bachelor's Degree Ceremony. The Graduate Program Ceremony is at 7 pm on Thurs., May 14 in the Romano Gymnasium. Volunteers are needed from 5-7 pm to hand out programs, line up the graduates, and answer guest and student questions. The Bachelor's Degree Ceremony is at noon on Sat., May 16 in the DECC Arena. Volunteers are needed from 10 am-noon to help the graduates line up, hand out programs, answer guest questions and help guests in the VIP section. Volunteers will review their responsibilities on Wed., May 13 at 2 pm in the Administrative Conference Room, 520 DAdB, during the Commencement Committee meeting. If interested, call Lucy Kragness at 726-6176.

## administrative NEWS

### UMD STORES

2008 NCAA II Championship Football tees, hoods, banners, and pennants, 2009 Women's Hockey NCAA Frozen Four long sleeve tees, and 2009 WCHA Championship tees, hoods, and caps are available in UMD Stores street level and online at <http://www.umdstores.com>.

Spend \$50 in April at UMD Stores street level and receive a free UMD water bottle while supplies last.

UMD Stores will donate a portion of the selling price of "Pink Ribbon" UMD caps and pink "Minnesota Duluth" tees, and pink UMD hockey jersey to St. Luke's Regional Breast Center in Duluth. While supplies last, get a free select beverage with the purchase of pink UMD items. Use the UMD reusable tote bag for 10 purchases and get entered in a drawing for monthly prizes. UMD Stores is proud to support UMD's "Adding Up To Zero" initiative, visit <http://www.addinguptozero.com>.

Sign up for and redeem UMD Stores Reward points at [www.umdstores.com](http://www.umdstores.com).

Jefferson Lines offers daily bus service, year round, from the UMD Campus to the Twin Cities. Purchase tickets at UMD Stores street level.

Contact UMD Stores if interested in volunteering at the UMD water station for Grandma's Marathon on June 20.

For store hours, events, and merchandise visit <http://www.umdstores.com>. Sale locations vary and some restrictions apply to sales listed.

## KUMD NEWS

KUMD is the official radio station of the Duluth Homegrown Music Festival through May 3. Tune in during Homegrown for live studio sessions during the day and on “the Local” at 5 pm on Wed.

Subscribe to The Sea Grant Files: Fresh News about Fresh Water, KUMD's most popular podcast. Visit <http://www.publicbroadcasting.net/kumd/jukebox?action=podcasts> or listen during Northland Morning, Wed. mornings at 7:45 am.

Listen live on-line at [www.kumd.org](http://www.kumd.org) or on the radio 103.3FM. For info, contact KUMD at [kumd@kumd.org](mailto:kumd@kumd.org) or 726-7181.

## faculty/staff NEWS

A major volume on the results of a long term research project on Bear Lake, Utah and Idaho was recently published by the Geological Society of America. **Steve Colman**, director, Large Lakes Observatory, once leader of this project while with the USGS, contributed to three of the papers, including: Colman, S.M., Rosenbaum, J.G., Kaufman, D.S., Dean, W.E., and McGeehin, J.P., 2009, “Radiocarbon ages and age models for the last 30,000 years in Bear Lake, Utah-Idaho”, in Rosenbaum, J.G., and Kaufman, D.S., eds., *Paleoenvironments of Bear Lake, Utah and Idaho, and Its Catchment*, Geological Society of America, Special Paper 450, p. 133-144.

**Julie Etterson**, associate professor, Department of Biology, is a co-PI on a new grant: 2009-2012, J. Cavender-Bares (PI), J.R. Etterson and J.D. Sparks (Co-PIs), from the National Science Foundation. The Collaborative Research grant: “Adaptive differentiation, selection and water use of a seasonally dry tropical oak: implications for global change” received \$565,529. (funded 12/4/08).

**Dalibor Froncek**, professor, Department of Mathematics and Statistics, delivered an invited lecture “Recent advances in Rosa-type labelings of graphs” in January at the fifth International Workshop on Graph Labelings 2009 at Kalasalingam University in Tamil Nadu, India.

**Joe Gallian**, professor, Department of Mathematics and Statistics, was the keynote speaker at a conference featuring research by undergraduates at St. John's University in April.

The research papers of two students of **M. Imran Hayee**, associate professor, Department of Electrical and Computer Engineering, were presented at the Conference on Design of Medical Devices held in Minneapolis in April. Both research papers are a result of collaboration between the ECE department and the University of Minnesota Medical School. The papers are: Z. Tridane, X. Yu, M. I. Hayee, G. Nordehn, J. Fitzakerley, “Development of an Animal Model to Test an Active Noise Cancellation System for Infant Incubators”, DMD Conference 2009, and W. Ahmad, M. I. Hayee, J. Fitzakerley, S. Burns, and G. Nordehn, “Variable Self-Optimizing Cochlear Model for Heart Murmur Detection/Classification.”

Last fall, research being conducted in the lab of **Randall Hicks**, director, UMD Center for Freshwater Research and Policy, and professor, Department of Biology, received attention from the local and national press. The lab identified the cause of severe corrosion of steel port structures in the Duluth-Superior Harbor. In October, a short notice about this work appeared in *USA Today*, after an article was published in the *Duluth News Tribune*. This research has been supported by the UM Center for Urban and Regional Affairs, the Great Lakes Maritime Research Institute, Minnesota Sea Grant, and the US Army Corps of Engineers.

Dennis Hansen, recent Biology MS graduate, Hicks, and colleagues at the UM-St. Paul recently had a research article published: D. L. Hansen, S. Ishii, M. J. Sadowsky, and R. E. Hicks, “*Escherichia coli* Populations in Great Lakes Waterfowl Exhibit Spatial Stability and Temporal Shifting”, *Appl. Environ. Microbiol.* March 2009 75: 1546-1551.

**John Hiller**, professor, Department of Physics, gave invited talks on “Proton Structure -- A Computational Challenge” at Eastern Kentucky University in February and at the College of New Jersey in March and an invited talk on “A Hamiltonian Approach to Bound-State Problems in Quantum Field Theories” at New Mexico State University in April.

**Tom Hrabik**, associate professor, Department of Biology, served on a “Blue Ribbon Research Panel” for the Department of Interior's National Park Service last summer that included the following participants: William H. Schlesinger, Cary Institute of Ecosystem Studies, Millbrook, NY (Chair), Viney Aneja, Department of Marine, Earth, and Atmospheric Sciences, North Carolina State University, Raleigh, F.S. Chapin, Institute of Arctic Biology, University of Alaska, Fairbanks, Nicholas Comerford, Department of Soil Science, University of Florida, Gainesville., James P. Gibbs, Environmental Sciences and Forestry, State University of New York, Syracuse, Patrick Megonigal, Smithsonian Environmental Research Center, Edgewater,

Maryland, and Monica Turner, Department of Zoology, University of Wisconsin, Madison. Service on this panel included a site review of the NPS research program on Isle Royale and a substantial writing assignment that produced a report describing the recommended future directions of the science program on Isle Royale.

Hrabik also served on a review panel for the United States Geological Survey- Lake Superior Biological Station's lake wide integrated sampling plan. He participated in an external review of their proposed sampling plan for Lake Superior that included presenting new information to be used in the development of their plan.

**Zhuangyi Liu**, professor, Department of Mathematics and Statistics, was appointed as a member of the scientific committee of the Third International Congress on Applied Mathematics, which was held in Lima, Peru, March 30-April 3. Liu was also invited to visit the Polytechnic University of Catalonia in Spain in March.

**Jim Miller**, associate professor, Department of Geological Sciences, **Carlos Caranza-Torres**, associate professor, Department of Civil Engineering, and **Richard Davis**, professor, Department of Chemical Engineering, gave a joint presentation at the 2009 Society for Mining, Metallurgy and Exploration (SME) meeting held April 14-15 in Duluth. This was the 82nd annual meeting of the Minnesota section of SME. Their presentation was entitled: "Educational Initiatives at the University of Minnesota Duluth: Preparing Students for Future Jobs in the Mining and Minerals Exploration Industries."

The lab of **Elizabeth Minor**, associate professor, Department of Chemistry and Biochemistry, has recently had two papers published: B.J. Dalzell, E.C. Minor and K.M. Mopper, 2009. "Photodegradation of estuarine organic matter: A multi-method assessment of DOM transformation", *Organic Geochemistry*, 40, 243-257, and H.A.N. Abdulla, R.F. Dias, and E.C. Minor, "Understanding the enhanced aqueous solubility of styrene by terrestrial dissolved organic matter using stable isotope mass balance and FTIR", *Organic Geochemistry*, in press.

Minor presented an invited talk in Vienna, Austria at the April 19-24, 2009 European Geophysical Union session: Biogeochemistry of dissolved organic matter: Characterization, distribution, and ecosystem roles. Minor, E.C. and Stephens, B. presented "DOM along the continuum from river to reservoir: a comparison of freshwater and saline transects." A poster co-authored by Minor, grad student Prosper Zigah and S.L. McCallister was also presented: "Insights into the Lake Superior carbon cycle from prelimi-

nary radiocarbon analyses or water column carbon pools". The presentation and poster are included in *Geophysical Research Abstracts*, v. 11, EGU2009-0, 2009. EGU General Assembly 2009.

**Ted Pedersen**, associate professor, Department of Computer Science, presented his paper "Improved Unsupervised Name Discrimination with Very Wide Bigrams and Automatic Cluster Stopping" at the Tenth International Conference on Intelligent Text Processing and Computational Linguistics in March in Mexico City.

**Susana Pelayo-Woodward**, director of the UMD Office of Cultural Diversity has been named the 2009 winner of the Josie R. Johnson Human Rights and Social Justice Award for the University of Minnesota system. Pelayo-Woodward has worked at UMD since 1992. She is the recipient of the City of Duluth, Peace Maker Award (1998), UMD Outstanding Service Award (1999), University of Minnesota President's Award for Outstanding Service (2002), UMD College of Liberal Arts Teaching Award (2004), and the UMD Commission on Women Linda M. Larson Women of the Year Award (2004). In 2007, she received the YWCA Women of Distinction Award.

**Andrea Schokker**, professor and head, Department of Civil Engineering, was named a Fellow of the American Concrete Institute (ACI) at their spring convention in San Antonio, Texas. Schokker serves on the ACI board of directors and is new chair of the Sustainability of Concrete Structures committee.

**Hua Tang**, assistant professor, Department of Electrical and Computer Engineering, presented a paper: P. Li, H. Tang, Q. Lian, "Low Power Embedded Speech Recognition System Based on a MCU and a Co-processor", Proc. of 34th IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP09), Taipei, Taiwan, April 19-24, 2009.

## NRRI NEWS

**Don Fosnacht** gave a presentation entitled "Clean Energy Technology Research and Development at UMD's Natural Resources Research Institute" to state industrial, academic and governmental representatives at the 3M Innovation Center in April.

## MN SEA GRANT NEWS

**Dale Bergeron**, Maritime Extension Educator, initiated and facilitated meetings between Captain Zdenka Willis, Director of NOAA's Integrated Oceans Observing Systems (IOOS), and maritime-related researchers, agencies, and industries in the Duluth/Superior area on April 7 and 8. Other Minnesota Sea Grant staff participated during Willis's Twin Ports visit. She traveled from Silver Springs, Maryland, to ascertain how IOOS can best meet the needs of Great Lakes researchers and shippers. The Integrated Ocean Observing System (IOOS) involves 11 regional systems providing data from US coasts (including the Great Lakes Observing System), and the Global Ocean Observing System.

Bergeron, and **Doug Jensen**, Aquatic Invasive Species Program Coordinator, delivered multiple presentations and served as session chairs at the 16th International Conference on Aquatic Invasive Species, which was held in Montreal, Quebec, Canada, on April 18-23.

**Jeff Gunderson**, associate director, presented "the mystery of the missing smelt" to the Two Harbors Rotary Club on April 21.

## MEDICAL SCHOOL-DULUTH NEWS

A dedication ceremony for the Medical Legends and Leaders Wall of Honor will be held on June 5.

Faculty and students connected to UMD received top awards from the Minnesota Academy of Family Physicians at the organization's annual Spring Refresher held in Minneapolis in April. Nicholas Vidor and Marie Lange received the Medical Student Award for Contributions to Family Medicine, Ruth Westra, DO, MPH received the Teacher of the Year Award, and Raymond G. Christensen, MD received the President's Award.

The University of Minnesota Office for Public Engagement has named Daniel Schlies the recipient of an Honorable Mention Award and \$500 in the Outstanding Community Service Award Staff Category. Schlies, a photographer and educational resources staff person for 23 years, was among eight people receiving recognition.

Two medical students who started their education on the Duluth Campus have been elected leaders of the Medical School Executive Student Council. Thomas Maust, a third-year student, was elected president and Erik Scharrer, a second year student, was elected vice president. Both Maust and Scharrer were presidents of their respective classes when they were on the Duluth campus.

Students and faculty spoke to 5404 elementary school students in 65 schools in communities throughout the state during this year's Brain Awareness outreach event. The pre-

sentations were organized by Janet Fitzakerley, Ph.D. and Luanne Petcoff.

Alaina Heltemes, a UMD pre-pharmacy student, has been named a 2009 Undergraduate Research Fellow by the American Physiological Society (APS) and will work with APS member Jeffrey S. Gilbert, Ph.D. this summer. Heltemes will be involved in a research project that aims to improve women's cardiovascular health during and after pregnancy.

## PHARMACY NEWS

See the next issue of *Currents*.

## umd COMMUNICATION

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Questions? Contact Cheryl Reitan at 726-8996. Brianna Mellen helped edit this issue of *Currents*. Submit items to *Currents*, by emailing [currents@d.umn.edu](mailto:currents@d.umn.edu).

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The schedule for Spring Semester is:

Deadline: Wed., May 6; Print date: Tues., May 12.

The schedule for Summer Session is:

Deadline: Wed., June 10; Print date: Tues., June 16

Deadline: Wed., July 22; Print date: Tues., July 28

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