Message from Timothy Craig
Department Head

As I start my first term as department head, the view from my new office is inspiring to me. Looking out at Lake Superior and the surrounding boreal forest is a daily reminder of how lucky we are to be biologists in Duluth. I also feel fortunate to become head of the department at a time when I believe the quality of teaching and research we provide are both outstanding. Even in the middle of summer, the department is buzzing with activity. When I walk through the halls of the Swenson Science building, I see students taking classes from award winning faculty, and research labs full of students working on undergraduate and graduate research projects.

Since I joined the faculty ten years ago, we added the Swenson Science building and renovated the Life Science building. This improvement of our facilities for teaching and research has been tremendous. In addition, I am excited about the opportunities provided in the new Bagley Nature Area classroom that just opened earlier this summer. This innovative state-of-the-art sustainable field lab building is truly amazing.

It is an exciting time here in the department, where we are not only reaching new highs in levels of research funding, but also showing new levels of success in innovative teaching. I am enjoying working with the departmental staff, including our newest members, who are providing outstanding assistance to the faculty and students. I can’t imagine anywhere else I would rather be working!
Matthew Andrews and Les Drewes, of UMD's Department of Biochemistry and Molecular Biology at the UM Medical School-Duluth, along with a colleague in the Twin Cities, have designed a fluid that may increase the survival rates of people who suffer from hemorrhagic shock during a trauma. For more information see http://www.d.umn.edu/news/2009/August/18.html.

Matthew Andrews received a two-year, $1.1 million Grand Opportunities award from the National Institutes of Health. The project, "Genetic Control of Heart Function in a Hibernating Mammal," includes bioinformatic analysis by co-investigator Marshall Hampton, assistant professor, Department of Mathematics and Statistics. The highly competitive Grand Opportunities program is part of the American Recovery and Reinvestment Act of 2009 and supports research that enables growth and investment in biomedical research and development, public health and health care delivery.

Congratulations to Colleen Belk—she was awarded the 2009 Linda Larson Woman of the Year Award. The Linda Larson Woman of the Year Award was created to honor women who exemplify going above and beyond to make a difference at UMD.


Farewell and best wishes to Steve Bortone—he relocated to Tampa, FL as the Executive Director of the Gulf of Mexico Fishery Management Council.

Donn Branstrator received Barrington High School’s 2010 Distinguished Graduate Award (Barrington, IL). He is being honored for his career in environmental awareness and education. Branstrator attended the high school’s senior award program on May 18, 2010, where he received the award.


Clay Carter had a manuscript "Identification of differential gene expression in Brassica rapa nectaries through expressed sequence tag analysis" accepted by PLoS ONE. Carter's co-authors were Marshall Hampton, assistant professor, Department of Mathematics and Statistics, UMD students Emily Chambers, Jerad Ehrnriter, Jonathan Gralewski, Teresa Joyal, and Brian Kram, and Wayne Xu of the Minnesota Supercomputing Institute.

UMD students voted and awarded Clay Carter the Outstanding Academic Advisor award and John Dahl the Outstanding Faculty award. Congratulations to both Carter and Dahl who were recognized at a reception in the Kirby Ballroom on April 11, 2010.

Tim Craig attended the symposium of Japanese Society of Promotion of Science Core-to-Core research project in Amsterdam in Dec. 2009. This is a cooperative research program with funding from the Japanese government for collaboration of researchers at Kyoto University with researchers at the University of Amsterdam, the Free University of Berlin, the Max Planck Institute, the University of Western Ontario, and UMD. The grant has sponsored research visits by Kyoto University faculty and students to the UMD during the last two summers, and it will support future research visits by UMD faculty and students to Kyoto, Japan. UMD was recently informed that the project had been recommended for a further three years of support.


Julie Etterson also received the grant: 2009-2012, J. Cavender-Bares (PI), J.R. Etterson and J.D. Sparks (Co-PIs). National Science Foundation. "Collaborative Research: Adaptive differentiation, selection and water use of a seasonally dry tropical oak: implications for global change" for $565,529.

Stephanie Guildford and 13 colleagues published (2008) PCB concentrations in lake trout (*Salvelinus namaycush*) are correlated to habitat use and lake characteristics in *Environmental Science and Technology* 42:8239-8244. This showed that lake trout in larger, more southerly, lakes had higher concentrations of PCBs in their tissues.

Robert Hecky and colleagues published a paper that was selected as one of the top 100 science stories of 2008 by Discover magazine. In a 37-year experiment with a lake in northern Ontario, scientists demonstrated that controlling phosphorus in particular is the key to reversing eutrophication. To reference the paper: Schindler, D.W., R.E. Hecky, D.L. Findlay, et al...2008. Eutrophication of lakes cannot be controlled by reducing nitrogen input: Results of a 37-year whole-ecosystem experiment. *Proceedings of the National Academy of Sciences of the United States of America* 105: 11254-11258.

The UMD Center for Freshwater Research and Policy (CFRP) published Fresh Water: Understanding and solving freshwater problems facing the world, a publication that highlights aquatic research being conducted at UMD and how freshwater professionals in northern Minnesota are making a global impact. This publication includes information about the research of Randall Hicks, John Pastor, Donn Branstrator, Gerald Niemi, Tom Hrabik, Robert Hecky, Stephanie Guildford and a number of graduate students within the biology department. Copies of this publication can be downloaded from the CFRP website (www.d.umn.edu/cfpr).

Randall Hicks, with colleagues from Old Dominion University, the University of Connecticut and the University of Georgia, received a four-year, $2.3 million collaborative research grant from NSF to investigate the role of organic-rich aggregate particles in the persistence of pathogenic microbes in aquatic ecosystems

Thomas Hrabik (PI) received the grant: 2009-2012. Legislative-Citizen Commission on Minnesota Resources. Cisco assessment, habitat use and behavior—sub proposal within—Sustaining Lakes in a Changing Environment (SLICE), $99,210 direct of $825,000 total.


Ruth Hemming retired in June 2009 after serving as the department’s Executive Administrative Specialist for nearly 21 years. Her contributions to the department will have an impact for years to come.

Nellie Danke, departmental receptionist, started her new adventure in UMD’s Residence Life and Housing Department in August 2009. Nellie was instrumental in keeping the daily operations running smoothly in the office.

Welcome to Jesse LeMay and Michelle Anderson—Jesse joined the Biology Department in June 2009 as Principal Accounts Specialist and Michelle joined the department in October 2009 as Principal Office & Administrative Specialist. Michelle will greet you with a smile while juggling the tasks of keeping our busy departmental office in tip top shape. Jesse is our liaison to the students—and no problem is too big or small for him to handle!

FACULTY NEWS


Joanne Itami (Adjunct faculty & SCSE staff) served as the UMD Commission on Women grant committee chair during 2008-09. Several grants of up to $1000 are awarded to individuals or organizations seeking assistance in providing programs or activities which directly benefit a broad group of women in the UMD community each year.

The National Science Foundation awarded a $600,000 research grant to Tim Kroft (PI) and Jon Rumbley (co-PI), College of Pharmacy Duluth. The grant will provide support for a graduate student and multiple undergraduate researchers from June 15, 2009 to May 31, 2013. Kroft’s research involves discovery and characterization of proteins that are involved in sperm-egg recognition, binding and fusion during fertilization in the small nematode roundworm *C. elegans*. Many of these proteins are closely related to human proteins that may also be involved in fertilization. Kroft’s research will impact the diagnosis and treatment of male-factor infertility and lead to the development of new contraceptive choices.

Richard Melvin, post-doctoral associate, has been awarded a Ruth L. Kirschstein National Research Service Award from the National Institutes of Health (NIH F32). This three-year postdoctoral fellowship is the first ever NIH F32 awarded at UMD and will support Melvin’s research in the laboratory of Matthew Andrews. Melvin’s project title is “Naturally occurring thyroxine derivatives and hibernation.”


Gerald Niemi (NRRI, Biology, UMD), Lucinda Johnson (NRRI, UMD), and Valerie Brady (NRRI, MN Sea Grant, UMD) are three of eight co-authors of the International Joint Commission’s white paper entitled “Ecosystem responses to regulation-based water level changes in the Upper Great Lakes.” This paper forms the basis for evaluation of ecosystem effects of the potential water level regulation plans in the Upper Great Lakes of Huron, Michigan, and Superior and their connecting channels. A digital copy of the paper may be obtained from mbell@d.umn.edu.

STAFF NEWS

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The newest biology inductee into the SCSE Academy of Science and Engineering is Dr. Kurt Fausch. Dr. Fausch graduated from UMD in 1976 with a BS in Zoology and has gone on to become an internationally recognized fisheries ecologist. After leaving UMD, Dr. Fausch began graduate studies at Michigan State University where he worked with Dr. Ray White studying behavioral interactions among stream salmonids. He received his MS in 1978 and a PhD in 1981. During his years at Michigan State, Dr. Fausch developed a strong affection for trout streams and their inhabitants and he decided to pursue those interests when he accepted a position as an assistant professor in the Department of Fishery and Wildlife Biology at Colorado State University in Fort Collins.

At Colorado, Dr. Fausch rose through the academic ranks to associate professor in 1987 and full professor in 1992. His research initially focused on habitat use and competition among native and invasive species of salmonids. More recently, in collaboration with both US and international colleagues, Dr. Fausch has done some remarkable work which has contributed greatly to our understanding of the linkages between aquatic and terrestrial ecosystems.

Dr. Fausch has been a very prolific contributor to the scientific literature, having published over 90 refereed articles, book chapters and edited volumes. His work has been funded by over $3 million in grants from the National Science Foundation, the US Forest Service, the US Bureau of Reclamation, the US Department of the Interior, the US Fish and Wildlife Service, the National Park Service, the US Army, the Japanese Society for the Promotion of Science, the US Environmental Protection Agency and other organizations. In recognition for his work, Dr. Fausch was awarded the inaugural International Fisheries Science prize by the World Council of Fisheries Societies in 2008. In presenting the award, the committee noted that, “Dr. Fausch’s nomination included strong support from 11 eminent fisheries biologists across the world, providing extensive evidence of his international recognition and appreciation of the high level of his work.”

Dr. Fausch was centrally involved in the development of RiverWebs, which is a recent 1-hour documentary film that explores cooperation between scientists in Japan and the United States in achieving innovative understanding of stream ecosystems. This film has aired on the Public Broadcasting System and was shown at UMD when Dr. Fausch visited in 2009. To learn more about it, access www.riverwebs.org/index.html.

The Inspirational Teacher of the Life Sciences Award (ITLS) is given to a Department of Biology faculty member whose teaching has inspired others to think critically about the biological sciences. This is a person who has inspired students to do their best work and has helped shape careers. The ITLS recipient is an innovative teacher who offers students guidance, and inspires current and future teachers to pursue excellence in the classroom.

The first recipient of the ITLS Award was Lyle Shannon. It was presented to him during a short ceremony on March 27, 2009, in which he presented a seminar titled Life on the Edge: The turbulent history of the amphibians. Paul Bates was our second recipient of the ITLS Award and was presented with the award on March 26th, 2010. Bates gave a seminar titled Obesity-Related Illness: A Biological Look at a Key Contributor to the Health-Care Crisis. Both Lyle and Paul embody the true spirit in which the award was created, inspiring so many students, faculty, and staff to pursue excellence everyday!
The generosity of alumni and friends make it possible for the Department of Biology to present annual awards and scholarships to students within the department. This year’s reception was held on May 6, 2010 at the Griggs Center on UMD’s campus. Thank you to the committee members who had the difficult task of choosing this year’s winners from the many deserving applicants. Congratulations to the following award and scholarship recipients!

**A. Jane Berry Warren Memorial Scholarship**—awarded to a full-time undergraduate biology student who demonstrates financial need.
2010—Andrew Radzak

**Ed & Alma Turcotte Scholarship** – awarded to motivated, high-achieving biology or cell biology majors. This scholarship is dedicated with profound respect and everlasting love to the memory of Edgar L. and Alma Turcotte of Carlton, Minnesota. Their three sons and two daughters all attended UMD.
2009—Jerica Burchard, Amy Herbranson, Kate Jacobs
2010—Emily Kalkbrenner, Molly Nustad, Alyssa Stafki

**Ernest & Tyyne Niemi Scholarship** – dedicated to the memory of Ernest and Tyyne Niemi, children of immigrant Finnish parents who lived and raised families in northeastern Minnesota. This scholarship is dedicated toward supporting a junior or senior biology or cell biology student from the local region.
2009—Jessica Koskiniemi
2010—Jaclyn Reinemann

**John McCabe Scholarship** – awarded to a high-achieving biology or cell biology students who demonstrate financial need.
2009—Steven Carlson, Laura Engman
2010—Rachel Toczydlowski

**Karim Pre-Veterinary Medicine Award** – sponsored by Dr. Reza-ul (Raj) Karim and family in memory of Sikander M. Karim, Dr. Karim’s father. The preveterinary medicine student who receives this award demonstrates high academic achievement, a dedication to the veterinary profession, maturity, and reliability.
2010—Marissa Garry

**Mowbray Scholarship** – awarded to a motivated and high-achieving biology major who intends to pursue graduate school in the Biological Sciences, exclusive of the medical and health sciences, and based on merit and commitment to a professional career in the biological sciences.
2009—Ryan Sass
2010—Samantha Lindemann

*2009 Scholarship & Award Recipients*
**Outstanding First Year Biology Student Award** – given to a freshman student who excels in the introductory biology courses, Biology 1011 and 1012, and is selected by the instructors of these courses.

- **2009**—Lisa Duberowski
- **2010**—Molly Gorder

**Outstanding Undergraduate Teaching Assistant**—awarded to the top undergraduate teaching assistant in the Department of Biology. The recipient is chosen by faculty members using established criteria.

- **2010**—Amy Herbranson, Shayna Olsen

**Outstanding Graduate Teaching Assistant Award** – presented to the top graduate teaching assistant in the Department of Biology. The recipient is chosen by faculty members using established criteria.

- **2009**—Brian Black, Diana Ostrowski, Jacqueline Welch
- **2010**—Rebecca Gordon, Katie Lassi

**T.O. Odlaug Scholarship** – given in honor of Dr. Theron O. Odlaug, a former biology professor and department head who retired in 1978. Dr. Odlaug passed away in 2000. This scholarship was initiated when an anonymous donation was made in memory of Dr. Odlaug. The anonymous alumnus remembered the inspiration and help given by Dr. Odlaug. This scholarship is presented to a biology student based on merit and need.

- **2009**—Andrew Razdak, Alyssa Stafki, Rachel Toczydlowski
- **2010**—Lauren Schulberg, Abigail Thomas, Kaaren Westberg

**T.O. Odlaug Award** – given to a senior biology student nominated by the biology faculty. The recipient has demonstrated strong leadership qualities, service to the department, and participation in undergraduate research.

- **2009**—Tyson Sievers
- **2010**—Bryce Mieczkowski

**UMD Peterson Memorial Scholarship** – given through the Swenson College of Science and Engineering (SCSE) and rotates between SCSE departments. It is presented to a motivated, high-achieving student with demonstrated financial need.

- **2009**—Katie Dobberpuhl
- **2010**—Nolan Van Damme
Honor Graduates are recognized as follows:  ***summa cum laude, **magna cum laude, and *cum laude
Undergraduate Commencement Ceremonies were held at noon on Saturday, May 15, 2010 at the Duluth Entertainment and Convention Center (DECC). Over 100 faculty members and 1,160 students marched in the event. The total number of students receiving undergraduate degrees this academic year is 1,735. Two Washington D.C. distinguished national political experts and UMD graduates, Michael Berman (Duluth native) and Richard Teske (South St Paul native)—a Democrat and a Republican—were the featured speakers. The two also received Honorary Doctor of Laws Degrees for Public Service, presented by UMD Chancellor Kathryn A. Martin. The honorary degree is the highest award conferred by the University of Minnesota, recognizing individuals who have achieved acknowledged eminence in cultural affairs, in public service, or in a field of knowledge and scholarship. The student at the commencement ceremony was Ashley Brown, a summa cum laude graduate in the Labovitz School of Business and Economics and a magna cum laude graduate in the College of Liberal Arts from Hawley, Minnesota. Ms. Brown earned a bachelor of business administration degree in Health Care Management and a Bachelor of Arts degree in communication.

**B.S. Biology**
Caleb Thomas Anderson  
Chandra Lee Baker  
Rebecca A. Bartley  
Joshua Dean Bednar  
Kevin Michael Bier**  
Cole M. Carlblom  
Brenna Elise Carlson  
Steven A. Carlson***  
Christina Lynn Carter**  
Jessica Elizabeth Chatterton  
Amalia Elin Childs  
James E. Cooke  
John Dalton  
Matthew Ray Davis  
Yoni Noah Desbesai  
Amy Jean Duzik  
Kyle Richard Edgerton  
Eric Scott Freeman  
Beth Maria Fruehauf  
Savannah Colleen Giese  
Andrew Paul Gorace  
Grace Kathryn Halverson  
Kall D. Hamp Sill  
Natalia Kohl Hart  
Benjamin T. Heesstad  
Amy Tonette Herbranson***  
Kyle Ray Hokeness  
Steven Nelson Holcombe  
Jonathan Michael Hovey  
Catherine Sue Johnson  
Courtney Elizabeth Johnson  
Kayla Mae Judes*  
Tracy Lynn Kelser  
Katie A. Kemppainen  
Derek Alan Kent  
Heikki Eino Kiheri  
Brittney Anne Kotaska  
Kevin Michael Krawiecki  
Leah Ann Lasiuk  
Chantal Elaine Liepold  
Jarad Jeffrey Lindstrom  
Margaret Elizabeth Litchy  
Allison Joy Littin  
Craig Lyle Lundquist  
Laura Anne Macht  
Corey John McBride  
Elizabeth Seon-Hee McKenna  
Brandon J. Mickelson  
Bryce David Mieczkowski*  
James J. Miettunen  
Tracie Marion Mills  
Philip Henry Mlaker  
Sarah Ann Mo*  
Adam Michael Nelson  
Joseph Chimezie Nnebedum, Jr.  
Brent Stuart Noble  
Daniel James O'Connor  
Shayna Caley Olsen  
Andrew Ryan Olson  
Brooke Danielle Olson  
Celia Marie Olson  
Kendelle Maree Olson  
David James Opack*  
Casey James Parrott  
Glen Thomas Pederson-Linn  
Alexander Timothy Peters  
Melissa Marie Peterson  
Christopher Daniel Ploenzke  
Michelle Rose Remackel  
Andrew Thomas Richter  
Heather Wilford Rogers  
Brian Everett Rose  
Nicole Rose Sable  
Marcus John Salzer  
Joi-Lin Quinn Sanchez  
Seth Alexander Sayles  
Luke N. Schalekamp  
Kelsey Elizabeth Schill  
Kari Lynn Seegmiller  
Heather Marie Selin  
Jonathan George Senker  
Ashley Mae Shankle  
Casey L. Sherwood  
Lauren M. Skrbich  
Jessica Kristina Smith  
Danielle Lee Souder  
Kyle Matthew Staples  
Kaylee M. Timbers  
Bryn Kathleen Van Hoomissen***  
Michael David Villeneuve  
Peter M. Wagner  
Noel Elizabeth Wambold  
Andrew Michael Wendlandt  
Mitchell Charles Wilkinson  
Gaylen Patrick Williams  
Luke D. Wilson  
Brandon Michael Wood**  
Wayne Charles Gatlin Ill*  
Eric Steven Goldschmidt**  
Anna Kathleen Hafdahl  
Thomas Andrew Haroldson**  
David Roy Hasbargen  
Ryan Matthew Hillesheim  
Matthew Charles Hinderaker  
Laura Ingrid Hoganson  
Teresa Lynn Joyal  
Rami Jurabian  
Stephanie Lynne Keller  
Brendan John Kiefer  
Jesse John Klingelhoets*  
Alexander James Larson  
Anne Christina Larson***  
Yuan Li  
Molly Ann McShea  
Heather Ruth Moline  
Kara Marie Naber  
Amanda Marie Olinger  
Bridget Christina Parsons  
Ryan David Sass*  
Adelle C. Schumann  
Justin David Skluzacek  
Lee Dale Stokes*  
Russell Mark Thyen  
Katherine Suzanne Winiarczyk  
Douglas Alan Wojciechowski

**B.A. Teaching Life Science**
Nathan Jon Anderson  
Sarah Melissa Bengman  
Kirk Gednalske  
Jamie Lynn Griffin  
Andrew Reid Hegdahl  
Kari A. Jorgenson  
Samantha Marie Maxey  
Kristofor Dean McNeal  
Andrew Cornelius Nissen  
Anna B. Travaglione  
Kimberly Elizabeth Truck**  

**B.A. Biology**
Kristin Elizabeth Campbell  
Timothy John Cyr  
Andrew Nurre Driscoll  
Jamie Lynn Griffin  
Kayla Jane Jendro  
Mark Bernard Olszewski  
Candice Mary Smrekar  
Alisha Jean Staker  
Luke Nicholas Taintor  
Alicia Kathleen Wolf  

**Honor Graduates are recognized as follows:** ***summa cum laude, **magna cum laude, and *cum laude
The Department of Biology warmly thanks the following alumni and friends who supported our students and programs with a charitable gift. Listed below are the names of individuals who donated to Biology Department funds between January 1, 2009 and May 31, 2010. Thank you for your generous contributions!

Ms. Sheila Arimond
Dr. Thomas Becker
Mr. John Bernard
Dr. Edward Bersu
Dr. Caroline Boehnke-Becker
Ms. Susan Brenneman
Dr. & Mrs. Hollie Collins
Mrs. Margaret Dooley
Dr. Barbara Farrell
Mrs. Betty Foster
Professor John Green
Drs. Brent & Dayle Haglund
Mr. Gregory Hansen
Ms. Helen Hanten
Mr. Paul Hanten
Mr. Michael Healy
Ms. Rachelle Hoeft
Dr. Carl Hornfeldt
Mr. Douglas Jensen
Ms. Kathleen Jensen
Dr. Elsa Keeler
Ms. Cheryl Kelley
Dr. & Mrs. Jerome Klun
Ms. Marcia Knaak
Ms. Barbara Jo Kohlstedt
Mr. John Kohlstedt
Mr. Walter Leaders

Mrs. Ann Lima
Mr. Philip Loucks
Dr. David Lurie
Mr. Thomas Matthiae
Dr. & Mrs. Joseph Mayasich
Mrs. Mary Ellen McFarland
Professor & Mrs. Allen Mensinger
Ms. Beth Middleton
Dr. Thomas Mowbray
Mr. & Mrs. James Munter
Mr. Mark Nickell
Professor & Mrs. Gerald Niemi
Mr. James Niemi
Mrs. Heather Parenteau
Mr. Richard Peterson
Dr. Rolf Peterson
Mr. & Mrs. Donald Rakowsky
Ms. Kay Rezanka
Dr. Laurence Skog
Dr. & Mrs. Terrence Tumpey
Dr. Archie Vomachka
Dr. Bruce Warren
Mr. Daniel Weaver
Dr. Paul & Mrs. Janice Wicklund
UPM Blandin Paper Company
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For more information on supporting our students and programs with a gift, please contact Tricia Bunten, Development Director, at 218-726-6995, toll-free 1-866-999-6995 or email: tbunten@d.umn.edu.
The year 2010 represents several major anniversaries for the Olga Lakela Herbarium, UMD Biology’s museum of scientific plant specimens. On March 12 Dr. David Schimpf, Director of the Herbarium and Associate Professor of Biology presented the Biology departmental seminar “The Olga Lakela Herbarium: Anniversaries for ‘A Cabinet of Natural History’” in recognition of this. It has been 120 years since the birth of Olga Lakela, 75 years since she came to Duluth State Teachers College and started a herbarium, 50 years since the University of Minnesota Board of Regents named the herbarium for her, and 45 years since the publication of Olga Lakela’s *A Flora of Northeastern Minnesota*. This book is again available for purchase through Minnesota Archive Editions (www.upress.umn.edu/html/backprint.html). The herbarium’s website is at www.d.umn.edu/biology/facilities&affiliated_units/Herbarium.html The operating budget for the herbarium comes entirely from gifts, which may be made by contacting the Swenson College of Science and Engineering (www.d.umn.edu/sese/giving/) and specifying the Olga Lakela Herbarium Fund.

UMD held grand opening ceremonies June 22, 2010 for the exciting new state-of-the-art sustainable Bagley Classroom located on the 55 acre Bagley Nature Area adjacent to the UMD campus. Amazing in its far-reaching sustainable design, the new Bagley Classroom is designed to be a LEED Certified PLATINUM Award building which will serve as a vital learning tool and a model of sustainable design and construction for all of Northern Minnesota.

Designed by internationally noted Duluth architect, David Salmela, with construction and landscaping done entirely by the staff of the UMD Department of Facilities Management, the 2,000 square foot classroom rests quietly in the woods covered in zinc siding with a green veil of vegetation on the roof.

Primarily used by the UMD Department of Biology for science instruction ranging from general biology labs to the study of ecosystem ecology, ornithology and entomology, the Classroom will also be used for environmental studies, geography studies, teacher education, outdoor management/operations studies, art/drawing, recreational outdoor programs, and early childhood learning activities.
What’s New?

Please contact us at biol@d.umn.edu with your update to be included in a future issue of the Life Scientist. We’d love to share your good news....Did you change your job, get married, receive a special recognition from a professional organization? Let us know!

Please remember to include your:

- Name
- Contact Information
- Degree Earned and Graduation Year
- A Short Paragraph with Your News

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, color, creed, religion, national origin, sex, age, marital status, or sexual orientation.

ALUMNI AND FRIENDS


Dr. David Lurye (B.A. Biology, 1980), D.D.S., P.C., was inducted as President of the Colorado Dental Association in June, 2009. Dr. Lurye is involved in various service activities within the dental profession. For the past six years he has volunteered one day per week as a clinical instructor at the University of Colorado School of Dental Medicine; he is involved in a multi-nation research project on head, facial and dental anatomy affiliated with Dr. Terry Tanaka’s Clinical Research Foundation in San Diego; and recently chaired a national committee for the ADA on Access to Care for the underserved.