

# Conservation Biology Graduate Program Weekly Newsletter

22 January 2007

A weekly newsletter of the Conservation  
Biology Graduate Program

<http://www.consbio.umn.edu/newsletter/>

Submissions to [coop0162@umn.edu](mailto:coop0162@umn.edu)



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## Editor's Corner

Good Monday morning everyone! The semester is in full swing, CB seminar begins today, and the CB potluck at Anne Kapuscinski's house on Saturday was filled with fabulous food and great conversation. There are plenty of seminars, job announcements, and conferences in this week's newsletter, so let's get to it!

Ciao.

*Anne Cooper*

p.s. MN AFS student scholarship applications for travel and annual meeting expenses are due today! Get them in while you can: [http://www.mnafs.org/StudentTravel\\_07.pdf](http://www.mnafs.org/StudentTravel_07.pdf).

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## Lectures/seminars on campus

### Conservation Biology Seminar

Date and time: 22 January (Monday) 4:00-5:00pm

Location: Please note that the location for seminar has changed again this semester: we will be meeting Mondays from 4-5 in 335 Borlaug.

Panelists: Drs. Clarence Lehman, Steven Taff, and Peter Reich

Topic: Welcome & Panel Discussion: Conservation in a human-altered climate: Solutions to Climate Change

### Ecology, Evolution and Behavior

Date and time: 24 January, 4:00 p.m.

Location: 335 Borlaug

Presenter: Dr. Robert Zink

Title: Mitochondrial DNA Under Siege in Phylogeographic Studies

Notes: Analyses of mitochondrial DNA have dominated the field of phylogeography for two decades. Much of what we currently know about animal population structure, gene flow, species limits and speciation, and conservation genetics come from mtDNA studies. Although it has always been acknowledged that mtDNA represents a single gene tree, and could therefore be misleading, this caveat has been accepted, and thousands of papers published based solely on mtDNA. Recent papers have suggested that these analyses cannot be trusted, and must be complemented with

nuclear gene analyses. I think that the recent criticisms confuse two basic issues, the identification of historical patterns of population diversification, and the processes that caused them. Not only do I think mtDNA is good for the former endeavor, mtDNA is the marker of choice for discovering evolutionary patterns among recently isolated populations. However, estimating process parameters such as gene flow and population growth are likely biased because of reliance on the single-locus mtDNA gene tree. I discuss new work with nuclear sequences designed to determine the extent to which inferences based on mtDNA are at risk.

Host Sharon Jansa

Coffee, Tea and Cookies will be served outside of 100 Ecology at 3:30.

Risk and response to global environmental change: Lessons from cross-national social science research

Date and time: Thursday, January 25, 7:00 – 9:00 PM and Friday, January 26, 8:30 – 5:00 PM.

Location: Cowles Auditorium – Humphrey Center, 301 19<sup>th</sup> Ave. S., West Bank Campus

FFI: Institute for Global Studies, 612-626-1844, [igsevent@umn.edu](mailto:igsevent@umn.edu)  
<http://igs.cla.umn.edu/research/conferences.html>

RSVP: Allison Lindberg – [igsevent@umn.edu](mailto:igsevent@umn.edu) – 612-626-1844.

FREE AND OPEN TO THE PUBLIC.

Notes: The threat of global climate change looms over the entire planet. Why do some nations' governments take action while others deny that the problem even exists? The scientific facts of global warming are well known, but the more basic social science question is seldom addressed: what social institutions and conditions help governments and the public trust science, admit risks more clearly, and respond effectively to fix global warming? The conference will bring together social scientists from around the world to investigate that very question. Leading scholars will present conclusions from their global and comparative cross-national research projects.

CONFERENCE HIGHLIGHTS

Thursday, January 25, 7:00 PM ~ Introduction & Keynote Address

Introduction: Walter Mondale, former Vice-President of the United States and Ambassador to Japan.

Keynote: Leslie King, "Findings from the Institutional Dimensions of Global Environmental Change Project: a progress report and synthesis"

Dr. King is the dean of the Clayton H. Riddell Faculty of Environment, Earth, and Resources at the University of Manitoba and she serves as the Synthesis Coordinator of the Institutional Dimensions of Global Environmental Change-IDGEC- of the United Nations.

Friday, January 26 ~ Presentations and panels on

The Comparative Politics of Climate Change;

Implementation of the Montreal Protocol;

International Environmental Policies;

EU and US Climate Change Policy Making processes; and many more.

For a complete conference schedule, see the web site.

Fixing Global Warming: Risk and Response to Global Environmental Change, Lessons from Social Science Research

Date and time: Friday, January 26, 8 a.m.

Location: Hubert H. Humphrey Center

Notes: With the scientific data on global climate change so widely available, why do some governments take action while others deny that the problem even exists? [This conference](#) will bring together social scientists from around the world to investigate that question.

Presentations will focus on the responses of governments, businesses, NGOs, international institutions, and national and international policies to global warming. Participants and presenters will discuss case studies from around the world. The conference sponsors include the [Institute for Global Studies](#), the university's Climate Change Network, the [Institute for Research on Energy and the Environment](#), and the Institute on the Environment.

Minnesota Public Radio's Town Hall Forum "Confronting Climate Change"

What: "Confronting Climate Change" a town hall forum

Where: The UBS Forum at Minnesota Public Radio 480 Cedar Street, St. Paul

When: Friday, January 26, 7-8:30 p.m.

Tickets: This event is free and open to the public. Registration is required; to register, click on: [http://minnesota.publicradio.org/events/tickets/ticket\\_form.php?sale\\_id=15](http://minnesota.publicradio.org/events/tickets/ticket_form.php?sale_id=15)

Notes: You are invited to the Minnesota Public Radio's town hall forum "Confronting Climate Change," featuring experts from the U of M College of Liberal Arts and other leading experts on the environment.

With the scientific data on global climate change so widely available, why do some nations' governments take action while others deny that a problem exists? The "Risk and Response to Global Environmental Change" conference at the University of Minnesota on January 25-26 will bring together social scientists from around the world to investigate the sociology behind the global response to climate change. Midmorning host Kerri Miller will moderate a discussion of scientists participating in the "Risk and Response to Global Environmental Change" conference. The guests and participating audience will explore how governments are responding to climate change and the degree to which those responses are rooted in scientific fact.

For information about the UBS Forum and for driving directions, click on:

[http://minnesota.publicradio.org/about/the\\_forum](http://minnesota.publicradio.org/about/the_forum)

This event is free and open to the public. Reservations are required. To register for this event, click on: [http://minnesota.publicradio.org/events/tickets/ticket\\_form.php?sale\\_id=15](http://minnesota.publicradio.org/events/tickets/ticket_form.php?sale_id=15)

For information on the "Risk and Response to Global Environmental Change" conference, visit: <http://www.igs.cla.umn.edu/>

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## Announcements

Institute on the Environment names founding fellows

Several Cons Bio faculty members are "Founding Fellows" of the University's new Institute on the Environment. The 15 Founding Fellows will lead the establishment of the institute. Their appointments last for up to two years. Cons Bio faculty in the group include [Susan Galatowitsch](#), professor in the horticultural science department; [Anne R. Kapuscinski](#), professor in the Department of Fisheries, Wildlife and Conservation Biology; and [Stephen Polasky](#), professor in the Department of Applied Economics.

## COGS

The first General Assembly Meeting for the Spring Semester will be held at 5pm on Wednesday, January 24 in the President's Room (3rd floor) of Coffman Memorial Union. The Agenda for the meeting is enclosed. Dinner will be from Hong Kong Noodle this time. We hope to see many of you there!

*Will Cremer*

*COGS Administrator*

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## **Date Saver**

What's for Dinner?' features author Michael Pollan

Date and location: Thursday, April 19, 2007, 9:00 a.m. - 2:30 p.m.

Location: MacMillan Auditorium

Keynote: Michael Pollan, author and journalist

Conference: \$100 member / non-member (conference includes keynote, panel and special luncheon discussion)

Morning Session only: \$35 member / non-member

Co-sponsored by the University of Minnesota's Program on Agricultural, Food and Environmental Ethics and the Minnesota Institute for Sustainable Agriculture (MISA)

Notes: The University of Minnesota Landscape Arboretum presents What's for Dinner? The Ethics and Aesthetics of Eating, featuring Michael Pollan, author of "The Omnivore's Dilemma." Pollan will present the keynote address, followed by a panel discussion including Allen Levine, CFANS dean, as well as regional experts, growers and distributors. The event is presented by the arboretum's Public Policy Program and sponsored by the [University of Minnesota's Program on Agriculture, Food and Environmental Ethics](#) and the [Minnesota Institute for Sustainable Agriculture](#). For more information and to register, call the Arboretum's Education Office at 952-443-1422 or go to <http://www.arboretum.umn.edu/education/adult/publicpolicy.htm>.

### At the Bell: Project Art

Seventeen artists from Minnesota and Wisconsin take inspiration from the region's increasingly splintered wild places in "Project Art for Nature: Presence, Essence, Absence," opening February 10 at the [Bell Museum of Natural History](#). Through a wide variety of media, Project Art for Nature artists explore changes in the natural environment -- including habitat degradation and restoration -- caused by weather, climate and human activity. Working in teams of two and three, the artists focused on locations ranging from Wisconsin's Kinnickinnic River and Crex Meadows Wildlife Area to the Mississippi River Gorge in Minneapolis and Mankato's Kasota Prairie.

### Pathways Toward a Renewable Energy Future

Date and time: Thursday, February 1, 1:30 to 4:30 p.m.

Location: Cargill Building for Microbial and Plant Genomics

Notes: This symposium sponsored by the [Initiative on Renewable Energy and the Environment](#) brings together experts to discuss how we can reduce our dependence on fossil fuels by producing sustainable, environmentally-friendly, and abundant biofuels. Six panelists from around the country will each give a short presentation, followed by a panel discussion. For details, contact Jason Hill at [hill0408@umn.edu](mailto:hill0408@umn.edu) or (612) 624-7258.

### Ag Issues Roundtable

Date and time: Thursday, Feb. 15, noon

Location: Four Points Sheraton hotel, Minneapolis

Presenter and notes: Professor Kent Olson of the [Department of Applied Economics](#) will speak on "The New Farm Bill: Impacts on Minnesota Farms." The event is the second in a series this academic year and will be at the Four Points Sheraton hotel. Cost is \$30; [pre-registration is necessary.](#)

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### **News you can use**

*Science* 19 January 2007:

Vol. 315, no. 5810, p. 316

DOI: 10.1126/science.315.5810.316

News of the Week

REGULATORY SCIENCE:

Panel Pans Proposed Change in U.S. Risk Assessment

Daniel Charles

*Please note that the text below was taken directly from:*

<http://www.sciencemag.org/cgi/content/full/315/5810/316>

Government regulators and toxicologists with private industry are assessing the impact of an unusual rebuke last week by an expert panel of a White House proposal to change how the U.S. government practices risk assessment. The expert panel, which called the proposal "fundamentally flawed," urged the White House to focus on "goals and general principles" and to leave the details of risk assessment to agencies with more expertise.

The proposal, issued in January 2006 by the White House Office of Management and Budget (OMB), laid out technical guidelines for estimating risks posed by anything from toxic chemicals to large engineering projects. Among other things, the guidelines called on agencies to calculate and disclose the uncertainties surrounding their risk estimates. Agencies shouldn't just create a "worst-case" estimate, it said, but also prepare a "central or expected estimate."

That approach is often unrealistic, says a panel of the National Academies' National Research Council (NRC) asked to review the proposed guidelines. A major reason it's not feasible, say public health officials, is because the data required to calculate such values may not exist. "The OMB is looking for a Cadillac of risk assessment," says Gary Ginsberg, a toxicologist with the Connecticut Department of Public Health. "A lot of the time, we're lucky if we have something that moves."

For more reading on this topic see:

<http://www.sciencemag.org/cgi/content/full/315/5810/316>

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## Jobs

### MN Department of Natural Resources - Fisheries Intern

These positions begin in mid-late May or June and run through mid-late August, or occasionally longer. The intern does a variety of fisheries survey work as part of a crew, and also may be involved in any aspect of fisheries management at the local level. Interns usually work with more experienced employees, but positions can be tailored to capitalize on students' strengths, while still allowing development in new areas. Interns should typically have at least 2-3 years of college coursework, and should have completed some coursework in fisheries and aquatic sciences. Interns fulfill college requirements through the internship. Some of these positions may be filled in the "student worker" classification. Positions may be located statewide. Pay rate \$11/hr.

Deadline for applications March 15<sup>th</sup>

Contact	<a href="mailto:Kevin.Peterson@dnr.state.mn.us">Kevin.Peterson@dnr.state.mn.us</a>		
Metro	<a href="mailto:Roland.sigurdson@dnr.state.mn.us">Roland.sigurdson@dnr.state.mn.us</a>	651-625-1291	February 23
Duluth	<a href="mailto:Nadine.martini@dnr.state.mn.us">Nadine.martini@dnr.state.mn.us</a>	218-828-6044	February 23
Rochester	<a href="mailto:Kathy.beaulieu@dnr.state.mn.us">Kathy.beaulieu@dnr.state.mn.us</a>	507-359-6049	February 23
Baudette	<a href="mailto:Mike.larson@dnr.state.mn.us">Mike.larson@dnr.state.mn.us</a>	218-634-2522	March 15
Fergus Falls	<a href="mailto:Arlin.schalenkamp@dnr.state.mn.us">Arlin.schalenkamp@dnr.state.mn.us</a>	218-739-7576	March 15
Fergus Falls	<a href="mailto:Arlin.schalenkamp@dnr.state.mn.us">Arlin.schalenkamp@dnr.state.mn.us</a>	218-739-7576	March 15
Montrose	<a href="mailto:Paul.diedrich@dnr.state.mn.us">Paul.diedrich@dnr.state.mn.us</a>	763-675-3301	March 15
Brainerd	<a href="mailto:Tim.Brastrup@dnr.state.mn.us">Tim.Brastrup@dnr.state.mn.us</a>	218-833-8636	March 15
Tower	<a href="mailto:joe.geis@dnr.state.mn.us">joe.geis@dnr.state.mn.us</a>	218-753-2580 x222	March 15
Walker	<a href="mailto:Harlan.fierstine@dnr.state.mn.us">Harlan.fierstine@dnr.state.mn.us</a>	218-547-1683	March 15
Grand Rapids	<a href="mailto:Chris.Kavanaugh@dnr.state.mn.us">Chris.Kavanaugh@dnr.state.mn.us</a>	218-999-7821	March 15
Grand Marais	<a href="mailto:Steve.persons@dnr.state.mn.us">Steve.persons@dnr.state.mn.us</a>	218-387-3056	March 15
Duluth	<a href="mailto:Tracy.close@dnr.state.mn.us">Tracy.close@dnr.state.mn.us</a>	218-525-0853 x204	March 15
Metro	<a href="mailto:Ray.valley@dnr.state.mn.us">Ray.valley@dnr.state.mn.us</a>	651-793-6539	March 15
Lk. Superior	<a href="mailto:Don.schreiner@dnr.state.mn.us">Don.schreiner@dnr.state.mn.us</a>	218-525-0853 x206	March 15
Detroit Lakes	<a href="mailto:Peter.Jacobson@dnr.state.mn.us">Peter.Jacobson@dnr.state.mn.us</a>	218-847-1579	March 15
Aitkin	<a href="mailto:Keith.reeves@dnr.state.mn.us">Keith.reeves@dnr.state.mn.us</a>	218-927-7505	March 15
Aitkin	<a href="mailto:rick.bruesewitz@dnr.state.mn.us">rick.bruesewitz@dnr.state.mn.us</a>	218-927-7503	March 15
Bemidji	<a href="mailto:Tom.Groshens@dnr.state.mn.us">Tom.Groshens@dnr.state.mn.us</a>	218-755-4488	March 15
Waterville	<a href="mailto:hugh.valiant@dnr.state.mn.us">hugh.valiant@dnr.state.mn.us</a>	507-362-4223	March 15
Windom	<a href="mailto:bob.davis@dnr.state.mn.us">bob.davis@dnr.state.mn.us</a>	507-831-2900 ext 230	March 15

### MN Department of Natural Resources - Fisheries Creel Clerk

A fisheries creel clerk interviews anglers to determine catch, harvest and angler demographics. The creel clerk must be able to work independently and must be able to comply with an established schedule. Clerks must be able to identify various MN fish species and must have excellent people skills. Creel clerks work 8-hour shifts, 5 days per week, including all weekend days and holidays. Shifts may begin at daylight or go until after dark, but are limited to 8 hours per day. Creel surveys may be access-based or roving on-the-water creels. Positions may be located statewide. Pay rate is \$12.18/hr.

Contacts and Deadlines:

Fergus Falls	<a href="mailto:Arlin.schalenkamp@dnr.state.mn.us">Arlin.schalenkamp@dnr.state.mn.us</a>	218-739-7576	March 15
Walker	<a href="mailto:Harlan.fierstine@dnr.state.mn.us">Harlan.fierstine@dnr.state.mn.us</a>	218-547-1683	March 15

Grand Rapids	<a href="mailto:chris.Kavanaugh@dnr.state.mn.us">chris.Kavanaugh@dnr.state.mn.us</a>	218-999-7821	March 15
Int'l Falls	<a href="mailto:Kevin.Peterson@dnr.state.mn.us">Kevin.Peterson@dnr.state.mn.us</a>	218-286-5220	March 15
Montrose	<a href="mailto:Paul.diedrich@dnr.state.mn.us">Paul.diedrich@dnr.state.mn.us</a>	763-675-3301	March 15
Park Rapids	<a href="mailto:doug.kingsley@dnr.state.mn.us">doug.kingsley@dnr.state.mn.us</a>	218-732-4153	March 15
Baudette	<a href="mailto:Mike.larson@dnr.state.mn.us">Mike.larson@dnr.state.mn.us</a>	218-634-2522	April 15
Lake City	<a href="mailto:Kevin.stauffer@dnr.state.mn.us">Kevin.stauffer@dnr.state.mn.us</a>	651-345-3365 ext 229	March 15
Spicer	<a href="mailto:Bruce.gilbertson@dnr.mn.us">Bruce.gilbertson@dnr.mn.us</a>	320-796-2161	March 15

MN Department of Natural Resources – Fisheries Technician (temporary)

Natural Resources Technician - Fisheries performs technical, para-professional fisheries work, assisting professional fisheries management personnel in the completion of field fisheries management and hatchery operations. Employees in this class may be responsible for certain phases of operations, but usually work under the general direction of a supervisor who assigns and inspects work. Some of the work is performed independently. May serve as a project leader to laborers and seasonal employees. Pay rate is \$15.17/hr.

Deadline for applications March 15<sup>th</sup>

Contact [Kevin.Peterson@dnr.state.mn.us](mailto:Kevin.Peterson@dnr.state.mn.us) for this Int'l Falls position

## Conferences and Meetings

### Second Annual Wetlands Summit

Institute for Global Studies, Department of Sociology, Institute for Advanced Study, UM Graduate School Intercollegiate Research Grant, Institute for Research on Energy and the Environment, ICGC, Department of Political Science, UM Climate Change Network, Humphrey Institute, Institute on the Environment

Location: Normandale Community College Bloomington, Minnesota

Date and Time: February 3, 2007 8:00 AM to 5:30 PM

THEME: Cultivating a Minnesota Land Ethic

The Wetlands Summit is an outgrowth of the Rally for Ducks, Wetlands and Clean Water. The rally called for holding Wetlands Summits to review current programs and problems, identify corrective measures needed, and to help establish a common ground between the wetland conservation and agricultural communities.

Registration is \$25.00 per person, with a reduced fee of \$15.00 for students. The fee includes a continental breakfast, morning and afternoon refreshments and a noon lunch in the College cafeteria. Free parking is available.

Pre-registration is advised. The deadline for pre-registration is **January 26, 2007**. All interested persons are encouraged to attend. Request a registration form by emailing or go to [Summit Announcement & Registration](#) to download the announcement and form.

### 2007 MN SCB ANNUAL MEETING & RETREAT: FEB 23-24, 2007

Greetings MNSCB members and friends -

We are excited to see you at the annual meeting this February! This year we will be flying solo (without AFS, TWS etc), and meeting at a smaller venue: the Audubon Center of the North Woods in Sandstone Minnesota. Our theme will be Conservation and Working Lands. Instead of having contributed paper sessions, we will have 4 sessions in which we hear from critical thinkers, but spend at least 1/2 the time in discussion of the topics (see below). We hope to use this time to deepen our chapter's

capacity to take action on issues of critical concern. If you have ideas about these sessions, please contact Julia right away, and she will put you in touch with the organizers. We especially need contributions of papers and discussion items for a session on water.

We are also excited to introduce what we call “fireside papers”, an opportunity for our members to do short presentations on their research questions and then get feedback from or work on networking with other professionals. Unlike traditional contributed papers, the focus will be on deepening the conversation about issues that you are working on.

On Saturday we will continue to discuss the role of MN SCB in advocacy work and hold a series of facilitated conversations on our strategic role in MN conservation efforts. Please open and complete the registration form with a check made out to MN SCB and mail it back by **February 9th** to:

Julia Nerbonne  
HECUA  
2233 University Ave. W. #210  
St. Paul, MN 55114

*Thanks, and we look forward to seeing you in Sandstone.  
Julia Frost Nerbonne, Erika Rivers, and Brian Stenquist  
Conference Organizers*

#### Minnesota Chapter of the American Fisheries Society 2007 Annual Meeting Call For Papers

The meeting will be on March 19-21, 2007, at the Holiday Inn Hotel and Suites, St. Cloud. Get your abstracts in to Dan Isermann by **January 29, 2007**. For details on submitting your abstract, see the December RYBA.

Are you a student member? We have a new process for allotting Student Travel Awards for the annual meeting. Don't be shy - the Minnesota Chapter strongly supports student attendance, for both graduate and undergraduate students. Check out the announcement and application in the December RYBA, or download your application here: [2007 Student Travel Awards](#). Applications are due **22 January 2007!**

#### CALL FOR PROPOSALS: Spring teaching and learning conference

Faculty and staff are encouraged to submit presentation proposals for this. On Monday, April 23, 2007 the Academy of Distinguished Teachers, the Center for Teaching and Learning (Twin Cities), and the Digital Media Center (Twin Cities), with support from the Bush Foundation, are sponsoring a conference Enhancing Student Learning: Conversations about Research and Practice in the McNamara Alumni Center on the Twin Cities campus.

The conference key note speaker, Dr. Eric Mazur, holds a triple appointment as Harvard College Professor, Gordon McKay Professor of Applied Physics, and Professor of Physics at Harvard University. An internationally recognized scientist and researcher, he leads a vigorous research program in optical physics and devotes part of his research group's effort to education research and improving science education.

Information about the conference call for proposals (**due January 29th**), the key note speaker, and general conference information, can be found at the conference web site at <http://www.adt.umn.edu/conference07/>. Online registration will open in early March. For more information, contact Karen Zentner Bacig, [kbacig@umn.edu](mailto:kbacig@umn.edu) or 612.624.5082. Submit your proposal today!

### NOAA Fellowships with the National Estuarine Research Reserve System

The National Oceanic and Atmospheric Administration's Office of Ocean and Coastal Resource Management, Estuarine Reserves Division, in collaboration with NOAA's Coastal Services Center and Office of Oceanic and Atmospheric Research, Climate Program Office, are offering fellowships for masters and doctoral students to conduct social science research within the National Estuarine Research Reserve System. Five fellowships will be available to students whose research focuses on the social, cultural, economic, or policy aspects related to one of the following topics: Community resilience (e.g., individual and community vulnerability; resistance, response, and adaptability to continuous or episodic natural and anthropogenic stressors; risk perception)

Ecological restoration (e.g., human behaviors; advocacy and volunteerism; responses to social and ecological change; personal and societal value orientations) Ecosystem-based management (e.g., collaborative decision-making; motivations or preferences for resource uses or management practices; ways in which people affect or are affected by natural resource management decisions; cultural history)

Landscape or seascape change (e.g., current or potential effects on or threats to the traits, patterns, or structure of a specific geographic area of the terrestrial or aquatic environment, including its biological, physical, and anthropogenic attributes; population and demographic change; coastal urbanization and habitat fragmentation)

Climate variability and change (e.g., sea level rise; extreme weather events; seasonal or interannual climate fluctuations; effects on water resources, living marine resources, agricultural productivity, delivery of ecosystem services, or public health and safety)

At least one fellowship must address climate variability and change. The amount of the fellowship is \$30,000 and requires a 30% match. For more information on application guidelines and participating reserves, please visit <http://www.nerrs.noaa.gov> or <http://www.grants.gov>.

### American Fisheries Society Annual Meeting

We invite you to California as the American Fisheries Society (AFS) convenes its 137th Annual Meeting at the Marriott Hotel in downtown San Francisco September 2-6, 2007. The theme of the meeting is "Thinking Downstream and Downcurrent: Addressing Uncertainty and Unintended Consequences in Fish and Fisheries." At the interface between the Sacramento-San Joaquin River drainage and the Pacific Ocean, San Francisco provides an outstanding venue to think about managing whole ecosystems, advance your professional networking, and to keep current on emerging ideas in fisheries science and management. San Francisco also provides a world class location for a personal or family vacation. Dozens of must-see cultural, historic, and natural points of interest are located only minutes away from the Marriott. Experience a wide array of outdoor activities both locally and within a few hours drive from the "The City". Climb aboard a cable car to visit Fisherman's Wharf, take a ferry to Alcatraz, or walk along the bayside Embarcadero. Drive across the Golden Gate Bridge to hike through giant redwood groves, meander up the Pacific Coast Highway, or discover the delights of the Napa/Sonoma wine country. Cast a line for salmon, rockfish, and halibut or fly fish for trout in the myriad Sierra Nevada streams from Lake Tahoe to Yosemite. We hope you join us in San Francisco to stimulate scientific thinking and let the Golden State stir your senses.

#### Deadlines

09 February 2007 - Deadline for contributed presentations and posters

23 February 2007 - Final list of confirmed symposium speakers

02 March 2007 - Deadline for symposium presentation abstracts

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## Funding opportunities

The Consortium on Law and Values in Health, Environment & the Life Sciences is accepting proposals for projects addressing the broad societal implications of problems in health, environment, or the life sciences. University of Minnesota graduate and professional students should apply now for stipends for research, funding for research supplies, or funding for events in Summer 2007 or academic year 2007-08. Maximum award is \$7000.

The Request for Proposals (RFP) may be found at

<http://www.lifesci.consortium.umn.edu/rfps/>

Proposals must be received by 4pm on Monday, **February 19**. If you have questions concerning this RFP, please contact Audrey Boyle at [boyle032@umn.edu](mailto:boyle032@umn.edu) or 612.626.5624.

### President's Student Leadership and Service Awards

Each year, this award honors the accomplishments of outstanding students and their invaluable contributions of leadership and service to the University of Minnesota, Twin Cities campus and the community. All administrators, faculty, staff, and students are encouraged to nominate current University students for this prestigious award that is given out annually to one-half percent of all University students.

Undergraduate recipients of the President's Student Leadership and Service Award may also be considered for the Donald R. Zander Award for Outstanding Student Leadership (a \$1,000 scholarship is given to two recipients) and the University of Minnesota Alumni Association Student Leadership Award (a \$500 scholarship is given to eight recipients). Graduate and professional student recipients of the President's Student Leadership and Service Award may also be considered for the Mary A. McEvoy Award for Public Engagement and Leadership (a \$1,000 scholarship is given to one graduate and one professional student).

I am looking forward to presenting all of these awards at the annual President's Awards banquet scheduled for Thursday, May 3, 2007.

Please join me in celebrating the contributions made by outstanding student leaders by nominating deserving students for the President's Student Leadership and Service Awards. The deadline for submitting applications is Wednesday, **February 14, 2007**.

For more information and to access online nomination forms, please visit the Student Activities Office website at <http://www.sao.umn.edu/Awards/> or telephone the Student Activities Office at 612-626-6919.

### Graduate Fellows and Environmental Biology, an NSF-funded GK-12 Project

Join fellow Environmental Biology graduate students in this NSF-funded project! Work with K-12 teachers and UM faculty and staff engaged in K-12 activities as you translate your research expertise into a K-12 learning environment. The goal of this project is to encourage science graduate students to connect with K-12 teachers and students throughout their careers. Benefits include experience in inquiry-based pedagogy that will be effective in university teaching, working with graduate students and faculty from across the University, and helping young students become engaged in science.

#### **Apply by February 28**

- Fill out the on-line form at [www.gk12.umn.edu](http://www.gk12.umn.edu)
  - Ask your advisor to fill out the recommender's form at [www.gk12.umn.edu](http://www.gk12.umn.edu)
- Please contact Karen Oberhauser with questions or comments: [oberh001@umn.edu](mailto:oberh001@umn.edu)

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Please be aware that February 19th is the deadline for the following fellowships offered through the Bell Museum and Ecology, Evolution and Behavior.

<http://www.cbs.umn.edu/eeb/graduateprogram/fellowships/daytonwilkie.shtml>

The Florence Rothman Fellowship

[/eeb/graduateprogram/fellowships/daytonwilkie.shtml](http://www.cbs.umn.edu/eeb/graduateprogram/fellowships/daytonwilkie.shtml) provides support for students working with Bell Museum faculty or doing field work in EEB (deadline: February 19, 2007).

The \*Huempfer Ruffed Grouse

[/eeb/graduateprogram/fellowships/daytonwilkie.shtml](http://www.cbs.umn.edu/eeb/graduateprogram/fellowships/daytonwilkie.shtml)\* fund supports graduate students researching ruffed grouse and their habitat (deadline: February 19, 2007).

The \*Dayton and Wilkie Natural History Funds\*

[/eeb/graduateprogram/fellowships/daytonwilkie.shtml](http://www.cbs.umn.edu/eeb/graduateprogram/fellowships/daytonwilkie.shtml) is administered by the Bell Museum of Natural History. Funds can be used for laboratory supplies and equipment to support field studies that are directly related to the student thesis project (deadline: February 19, 2007).

The Frank McKinney\*Fellowship

[/eeb/graduateprogram/fellowships/daytonwilkie.shtml](http://www.cbs.umn.edu/eeb/graduateprogram/fellowships/daytonwilkie.shtml) provides support for students working in Avian Behavior (deadline: February 19, 2007)

\*If you have questions, feel free to contact Bob Zink ([zinkx003@umn.edu](mailto:zinkx003@umn.edu)).  
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New Funding for International Scholarly Activities

The following are new funding programs to promote a global network of scholarship and engagement and encourage interdisciplinary and transnational partnerships. The programs are administered and funded by the Office of International Programs. Guidelines and application materials:

<http://www.international.umn.edu/funding/strategic.html> Questions: Karen Brown, 612-624-0832 or [kbt@umn.edu](mailto:kbt@umn.edu)

Funding for Faculty, Staff, and Colleges/Departments

- Interdisciplinary International Institutional Partnership Grants Deadline noon on Jan. 29, 2007
- Interdisciplinary International Research Circle Grants Deadline noon on Jan. 29, 2007

Funding for Graduate and Professional Degree Students

- OIP Doctoral Fellowships for International Research and Writing Deadline noon on March 9, 2007
- OIP International Pre-Dissertation and Small Grants Competition Deadline noon on Jan. 29, 2007

OIP International Internship Awards Deadline noon on Jan. 29, 2007

More information on guidelines and application forms is available at:  
<http://www.international.umn.edu/funding/strategic.html>

### Torske Klubben (The Cod Club) Fellowship for Minnesota Residents

Students currently registered for credit in the University of Minnesota Graduate School who are official state-of-Minnesota residents may apply. The award is open to individuals who have an interest in or connection with Norway and/or its culture. Applicants should have a strong, mature, and clearly defined career interest in a specific field, with a sound research or study plan. Applicants must be able to demonstrate outstanding leadership skills and high academic achievement. Preference will be given to students who earned their undergraduate degrees from a Minnesota college or university, or from a college founded by or associated with Norwegian-Americans, such as Luther College in Decorah, Iowa, and Augustana College in Sioux Falls, South Dakota. A stipend of \$10,000 for the academic year. For recipients without another source of tuition support, such as an assistantship, the Graduate School Fellowship Office will provide a Tuition Scholarship for full-time study for the academic year. Torske Klubben is interested in supporting students of high academic achievement who show great promise of becoming leaders in their chosen profession and/or in the Norwegian- American community, who have a deep and abiding cultural and/or professional interest in Norway (in a historical or present-day context), and who convey a sensitivity to the future of Norway and Norway-America relationships. Need may be taken into account, all other factors being equal. Complete Fellowship description, application form, and instructions are available on the web at [http://www.grad.umn.edu/fellowships/forms/tk\\_mn\\_residents.pdf](http://www.grad.umn.edu/fellowships/forms/tk_mn_residents.pdf) or from the Graduate School Fellowship Office [gsfellow@tc.umn.edu](mailto:gsfellow@tc.umn.edu) Deadline: **March 1, 2005**

### Foreign Language and Area Studies (FLAS) Fellowships Scholarship Funding

Opportunities for Graduate/Professional Students Funding available: Summer 2007 (\$2500 stipend + tuition and selected fees) and 2007-08 Academic Year (\$15,000 stipend + tuition and fees) FLAS fellowships promote the study of modern foreign languages within graduate and professional schools. The awards are available on either a 9-month academic year or summer term basis. The fellowships are primarily available to graduate and professional school students studying less commonly taught languages, but students of other languages are also welcome to apply. For more information, see <http://igs.cla.umn.edu/grad/>

### The Udall Foundation Applications are being accepted for the 2007

The Udall Foundation is accepting applications for the 2007 Environmental Public Policy & Conflict Resolution Dissertation Fellowship. We hope that you will forward this information to qualified Ph.D. students.

The Udall Foundation awards two one-year fellowships of up to \$24,000 to doctoral candidates whose research concerns U.S. environmental public policy and/or environmental conflict resolution and who are entering their final year of writing the dissertation. Previous fellows' fields of study include political science; economics; government; environmental science, policy and management; ecology; environmental justice; regional planning; geography; natural resource policy; and environmental analysis and design. Interdisciplinary projects are particularly welcome. Fellows must be U.S. citizens, U.S. nationals or permanent residents, and their dissertation research must pertain to U.S. environmental policy.

Program details, information and applications are available at [www.udall.gov](http://www.udall.gov) . If you have questions, please contact Dr. Jane Curlin at [curlin@udall.gov](mailto:curlin@udall.gov) . Thank you!

Deadline: **Feb. 21, 2007**

National Wildlife Refuge System Centennial  
Scholarship Program-Deadline: April 13, 2007

In honor of the National Wildlife Refuge System Centennial, the Walt Disney Company (<http://www.disney.com/>), the U.S. Fish and Wildlife Service <http://www.fws.gov/>, and the National Fish and Wildlife Foundation <http://www.nfwf.org/> are supporting the 2007 National Wildlife Refuge System Centennial Scholarship Program. The NWRS Centennial Scholarship Program seeks to support students whose research will contribute toward improved management and understanding of the diverse fish, wildlife, and plant resources found on National Wildlife Refuges <http://refuges.fws.gov/>.

Under this competitive scholarship program, a minimum of ten one-year scholarships will be awarded to support students' research expenses, tuition, fees, books, and room and board.

Undergraduate, master's, and juris doctorate students are eligible to receive a one-time award of \$5,000; Ph.D. and D.V.M. students are eligible to receive a one-time award of \$15,000.

To be eligible, a student must be a U.S. citizen or legal resident enrolled in an accredited institution of higher education in the U.S. pursuing a graduate or undergraduate degree (sophomores and juniors in the current academic year only) in environmental science, natural resource management, biology, public policy, education, geography, political science, or related disciplines. Only those students working on a National Wildlife Refuge or whose work is directly applicable to resource management on a National Wildlife Refuge(s) are eligible. Visit the NFWF Web site for complete program details and application instructions.

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