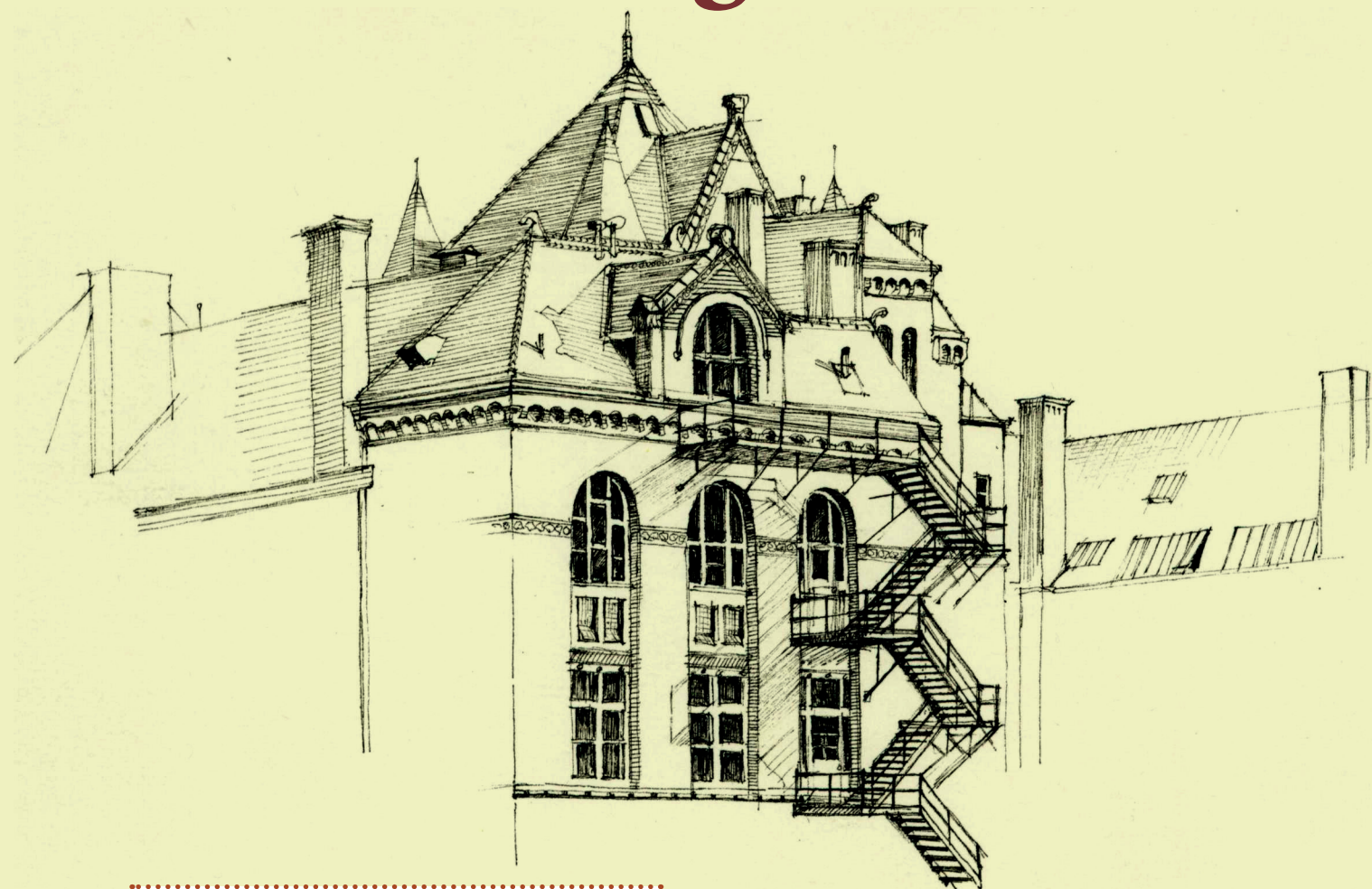


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Letter from the Chair

A warm welcome from Science Hall! It's been a particularly busy summer this year, and we've got several new people to introduce to you. I began my duties as chair of the department on August 1, with overwhelming appreciation to **Matt Turner**, who left things in great shape! One of the main things I'm thankful for is our academic staff that is at full capacity for the first time in memory! **Alice Halfen** joined geography as our new Departmental Administrator over the summer, and **Suzanne Harris** (IT Coordinator) and **Mike Lowry** (Financial Specialist) began on August 1 with me. **Sharon Kahn** – our new Graduate Coordinator – joined us during the 2008-09 academic year, and has already significantly enhanced the graduate program. **Tanya Buckingham** also joined the department during the past year as the new director of our Cartography Lab. To round out the summer activities, **Ted Koch** retired as State Cartographer after 30 years of service – thanks, and congratulations Ted! The retirement party/roast was brilliant, thanks in large part to the efforts of **Jim Lacy**. **Jim Knox** headed up a search committee which put in long hours narrowing an impressive list of applicants down to four candidates that came for extensive interviews. The process was completed with a signed acceptance letter from **Howard Veregin**, a former cartography professor at University of Minnesota who has been with Rand McNally heading up their atlas production unit for the past decade.

Joining the faculty this fall, we have **Keith Woodward** (human geography) and **Erika Marin-Spiotta** (biogeography), whose research and teaching interests are highlighted in the newsletter. **Samer Alatout** (Rural Sociology) and **Matthew Edney** (History of Cartography Project and Visiting Professor from University of Southern Maine) and also joins the department as affiliate faculty members this year. At the same time, I would like to take this opportunity to thank **Leila Harris** for all her contributions to the program – in her research activities, in the classroom,

and on the many committees she's contributed to – all with a seemingly endless supply of positive energy. As of January 2010, Leila will be leaving us for the Environmental Studies Program at the University of British Columbia.



Last year we experienced a dramatic increase in our undergraduate majors, continuing a trend that began a few years ago. The growth was especially strong in People-Environment studies – a reflection of the growing interest in environmental issues throughout the country – and we hope to be able to hire in this area during the upcoming year in order to add depth to this part of our program and to keep this momentum going. More generally, we had a great group of active majors who really enlivened the Geography Club and brought great enthusiasm for geography to a wide variety of activities.

We also have a large new group of graduate students joining the program this fall. 2009-10 promises to be an exciting year for geography at UW-Madison. You are all cordially invited to keep up with events by visiting our website, and to participate in as many of them as possible!

Cheers,
Bob Kaiser
September 10, 2009



Flashback

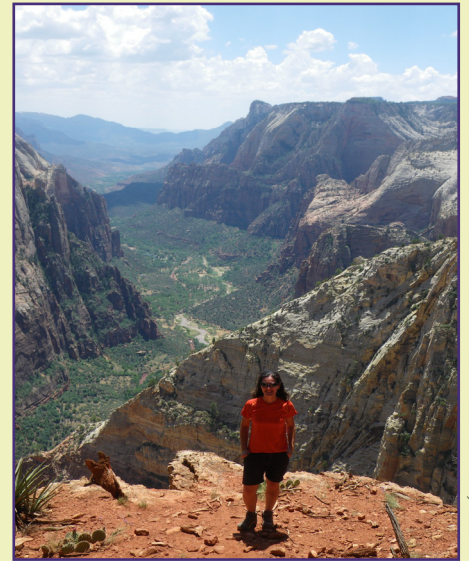
Prof. Emeritus **William Denevan** initiated, named, and edited the first MadGeogNews in November, 1981. From that first issue: David Ward is Associate Dean of the Graduate School, David Woodward is promoted to Full Professor, and Robert Ostergren has an article in the Annals AAG.

Visit the Geography Library for past issues or visit:
www.geography.wisc.edu/News/newsletters.htm

Department Welcomes Two New Faculty Members

Erika Marin-Spiotta is excited to have finally arrived in Madison after a long road trip from the west coast. She says the roadtrip was the perfect way to say goodbye to California, where she had been living for the last 16 years, and embark on a new adventure. During the trip she visited several national parks and was fascinated by the dramatic transformations in the landscape, moving first from the ocean, to deserts, canyons, alpine forests, prairies, and farmlands. It gave her a greater appreciation for the history of the land and its people. Now she is enjoying exploring Madison and its lakes and parks, restaurants, and music scene. She jokes that coming to Wisconsin was her fate ever since her college roommate's dad gave them cheesehead hats in honor of their dorm nicknames. Erika will be teaching Physical Geography in the fall (with Jim Burt) and a Biogeography course in the spring. Her research broadly addresses how land-use change affects biogeochemical cycles and vegetation community dynamics, and how these may affect ecosystems' abilities to adapt to and/or mitigate climate change.

Keith Woodward is a human geographer and social theorist joining us from the University of Exeter. His research concerns new and developing forms of organization and mobilization in contemporary social movements. In connection with this, he explores the affective, emotional, and 'other-than-rational' dimensions to understanding politics and social life. He is also the co-author of a series of articles that develop a 'site ontology' for human geography.



Erika at Observation Point Trail in Zion National Park, Utah



Keith Woodward

New Assistant Director Enlivens Cartographic Laboratory

Tanya Buckingham joins the UW Cartography Lab after working in the cartography industry for nearly ten years at XNR Productions, a custom cartography company in Madison. She brings a wealth of professional experience, having worked on projects for all audiences, from young children just learning about geography and map-reading to passionate life-long map enthusiasts. For the past several years Tanya has focused her production expertise on regional and world atlases for National Geographic, researching, and designing maps and layouts for a wide range of topics. She loves a good design challenge and finding creative ways to represent data. Tanya says, "I am excited to transform the Lab into a space that is highly professional while training students in this craft that I love." The Cart Lab is a place that supports the university and the community, all are welcomed to stop by and learn a bit about the process of map production.

Additionally, Tanya serves the field of cartography as a board member to North American Cartographic Information Society and the US National Committee of the International Cartographic Association in the role of the National Coordinator of the Barbara Petchenik International Children's map competition.



See "New Faces in Science Hall" (p. 8) to read about additional new staff hires in Geography

New Faculty Affiliates

The Department of Geography welcomed four new Faculty Affiliates this past year. Joining **Greg Downey** (School of Journalism & Mass Communication, School of Library & Information Studies) is **Samer Alatout** (Community & Environmental Sociology), **Matthew Edney** (Professor of Geography-Anthropology and American & New England Studies University of Southern Maine), **Mutlu Ozdogan** (Nelson Institute for Environmental Studies), and **Annemarie Schneider** (Nelson Institute for Environmental Studies).

Emeritus Updates

Last January Prof. Emeritus **William Denevan** participated in the Meeting of the Conference of Latin Americanist Geographers held in Granada, Nicaragua. Denevan writes that,

Beforehand, a few of us drove north into the Segovian Highlands (Contra War region) where in 1957 I had done my Master's thesis fieldwork on the southernmost pine forests. Little has changed - a few more people, a few more roads, pines still there. Talked to some ex Contras.

Prof. Emeritus **Yi-Fu Tuan** writes:

I went to Yale to give a public lecture a quarter of a century ago when I was at the height of my powers. Only five people turned up. This time, eleven years after my retirement, my Yale hosts who knew about the earlier contretemps were clearly worried. Well, this time, it was standing-room only. "How satisfying it is," I said to my hosts, "that attendance should turn out this way rather the other way around!"

Grads Brottem and Limburg Awarded Fulbright Scholarships

Two graduate students in Geography were awarded Fulbright Scholarships. Established by Congress in 1946, the international exchange Fulbright Program is designed to "increase mutual understanding between the people of the United States and the people of other countries."



Leif Brottem's project is entitled 'Farmer-herder conflict, environmental change, and institutional response in Mali.' Leif will conduct research into how semi-nomadic herders in western Mali access water and grazing resources during their annual migration. While climate change and agricultural expansion increasingly constrain herd migration patterns, a new Malian national law guarantees herders legal rights to mobility and resources access. Leif will collaborate with the National Institute for Social Research and the Malian bureau of the Swiss

NGO Helvetas on this project.

Chris Limburg also received the Fullbright Award for his research into Nagas in Nepal.

Applications allow Internet access to statewide survey control

By **Brenda Hemstead**, SCO

The State Cartographer's Office has been the key point of contact for the surveying community for federal control for over 30 years. Wisconsin has tens of thousands of survey control monuments placed by numerous agencies over many decades, so the avenues for finding control point information are varied.

In our continuing effort to make this information more accessible as a central point of access, we've developed two prominent Internet-accessible map-based catalogs, ControlFinder and PLSSFinder, designed to help users locate information about survey control points in Wisconsin from distributed sources.

The locations of these points are shown in a common view so that users can visually navigate, locate, and identify them. From the statewide view, users have five ways to navigate, three sizes to view the application window, ability to print (pdf) the map image, ability to save and export, helpful links, and direct linkage to other sites where control information may be found providing a common entry point for control information in Wisconsin.

(continued on page 12)

Sharing Ideas

Prof. **Matthew Turner** and **Lisa Naughton** each presented their research at a 3 day meeting in Jodhpur, India on *Geospatial Technology, Wildlife Conservation, and Community*, during December, 2008 organized by Prof. Paul Robbins (Geography, UoA).

Turner and Zhu awarded L&S Faculty Fellows

Prof. **Matt Turner** has received the Abo S. Sher Faculty Fellow award for his research accomplishments and contributions to the University. Matt is presently involved in a range of research projects. Turner, former student Mara Goldman (University of Colorado) and Paul Nadasdy (Anthropology) have just finished an edited volume entitled *Knowing Nature, Transforming Ecologies: Science, Power, and Practice in Environmental Science and Management* (to be published by University of Chicago Press) that explores the politics surrounding the production, application and circulation of environmental knowledge.

Prof. **A-Xing Zhu** also received the Hamel Faculty Fellow award. The Hamel Faculty Fellow program is an extremely competitive program, providing \$10,000/year for 5 years in unrestricted gift funds to top faculty in L&S.

Williams Awarded Bryson Professorship

Prof. **Jack Williams** is the Bryson Distinguished Professor of Climate, People, and Environment. Professor Williams joined the Geography Department in August, 2004 and gained tenure promotion to Associate Professor in May, 2008. His research on the ecological responses to climate change reaches a broad, international audience and has substantially influenced the urgent and on-going debates about how best to conserve biological diversity in the face of current warming trends. Prof. Williams is an enthusiastic researcher and educator who inspires his students to make significant contributions to the field. Williams is the third professor to hold the Bryson Professorship.



Naughton Organizes Forum of Women Research Leaders

Prof. **Lisa Naughton** organized a special forum for the Geography Department and Nelson Institute on *Integrating geospatial and field-based science to assess biodiversity conservation: A special forum of women research leaders*.

The lectures and panels provided examples of novel research projects and creative ways of linking large scale remotely-sensed research on environmental change with field-based assessments of local ecology. Several students spoke with the guests about their individual research and thus learned of new methods and had a chance to discuss their projects with outside experts. The event also brought together women on the UW campus who had not previously shared their work, helping to establish new collaborations and ongoing discussions.

News from the History of Cartography Project

We have received the first reviews of Volume Three, *Cartography in the European Renaissance*, edited by **David Woodward** (University of Chicago Press, 2007). Reviewers called the book “imaginatively conceived and expertly presented,” “an invaluable resource,” and “eloquently written.” Praise was also given for “extraordinary summaries of key themes” and for the broad scope of the series as a whole.



Karen Cook and **Joel Morrison** have been appointed as associate editors for Volume Six (Twentieth Century) to aid editor **Mark Monmonier**. Associate editors **Dennis Reinhartz** and **Sarah Tyacke** work with coeditors **Matthew Edney** and **Mary Pedley** on Volume Four (Enlightenment). In spring 2008, **Roger Kain** of the University of Exeter accepted the position of editor of Volume Five, *Cartography in the Nineteenth Century*. Now all six volumes of the series are either published or in preparation.

The UW Department of Geography recently voted to grant the title visiting

professor to Project director **Matthew Edney**. He continues to divide his time between the UW and the University of Southern Maine. Although we miss **Fernando Gonzalez** [PhD 2009], we have welcomed in his place **Joel Longsdorf**.

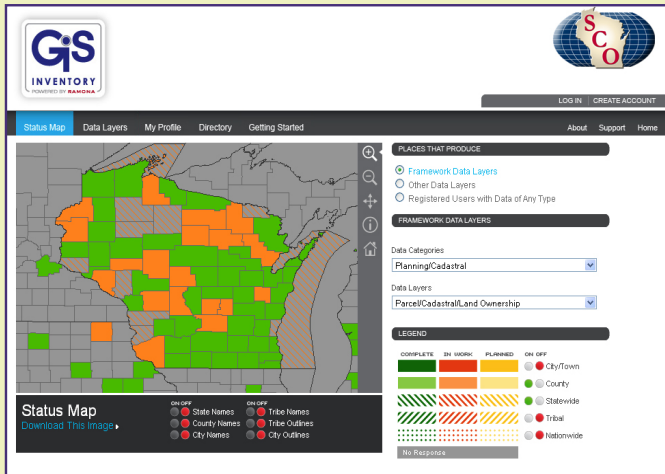
A crucial component of the History is the liberal illustration of maps. We recently learned that the University of Chicago Press will publish all illustrations in color for forthcoming volumes in the series. Color began to bear significant meaning in topographical mapping during the eighteenth century and proved to be a key aspect in how twentieth-century maps communicated information, thus publication in full color will add a great deal to the finished product.

Continuing support for the Project is provided by the National Science Foundation, the National Endowment for the Humanities, the UW-Madison Graduate School, with funds provided by the Wisconsin Alumni Research Foundation (WARF), the College of Letters and Science, and through donations from private foundations and many individuals.

2009 Report on WI County GIS Systems

By **AJ Wortley**, SCO

The State Cartographer's Office recently collaborated with the Department of Administration on an updated 2009 status report for Wisconsin County GIS Data Systems. The report, released in May, describes the production status and accessibility of some key framework GIS data layers that are produced locally and in demand statewide.



Wisconsin has a long history of high quality GIS data production capacity within local government. As mapping and GIS data grow in demand, so does the need for integrated GIS data across the state. Accurate inventorying and assessment is the first step in building a case for seamless statewide GIS data accessibility. To this end, the State Cartographer's Office has led an initiative over the last 3 years to engage Wisconsin's GIS community in a statewide GIS Inventory.

With the support of many stakeholder groups in the state including the Wisconsin Land Information Association and the Wisconsin Land Information Program, the Wisconsin GIS Inventory is the most comprehensive statewide GIS inventory to date, containing records on more than 1500 local GIS datasets from over 100 agencies across the state. Much of the information in the 2009 status report was derived from self-reported information in the GIS Inventory and plans are already underway for an update in 2010.



Fitchburg engineer, Felipe Avila (GIS Certificate, 2002), demonstrates how the city uses GIS for emergency management at GIS Day 2007

UW GIS Day Expo: November 20th

By **Karen Tuerk**, GIS Day Coordinator

The UW GIS Day Expo is a bi-annually event sponsored by the Department. It is held during National Geography Awareness Week as an effort to promote education about geography and Geographic Information Systems (GIS). The 2009 Expo will take place on Friday, November 20th at the Memorial Union from 9am – 3pm.

The theme of this year's Expo is, "History: Education: Research: Application" and will feature over 25 exhibitor booths, presentations, a map gallery, and interactive activities.

There will be two presentation tracks. The first is a research track in which speakers will have an opportunity to talk about their research in the areas of GIS, spatial analysis, remote sensing or cartography. The second is for a general audience and will feature presentations on GIS or Remote Sensing applications and mapping or educational resources. This includes the workshop, "GIS 101 for Non-profit and Community Organizations".

Special exhibits about the History of Geographic Information in Wisconsin are also planned.

High school students, teachers and administrators are especially welcome to attend as there will be activities and information specifically for this audience.

Back in Science Hall, Robinson Map and GIS Librarian, **Jaime Stoltenberg**, will lead a hands-on "Intro to GIS Workshop" from 4-6pm. Pre-registration is required for this lab.

Individuals and organizations are invited to participate by having an exhibition booth, giving a GIS demo, presenting a GIS topic, holding an interactive activity, or submitting a map or poster. The Expo regularly draws over 40 university departments, federal, state and local government agencies, businesses, and non-profit and professional organizations.

Everyone is welcome to attend! The event is free and open to the public. With the exception of the "Intro to GIS Workshop", you do not need to pre-register. See www.geography.wisc.edu/GISDay for more information.

If you are interested in speaking or exhibiting at the 2009 GIS Day Expo, contact **Karen Tuerk** at 265-9975 or kstuerk@wisc.edu.

New Faces in Science Hall

State Cartographer

Dr. Howard Veregin has been selected as the next State Cartographer for Wisconsin. Howard takes over for Ted Koch, who retired in early July of this year.

Howard received his PhD from the University of California



- Santa Barbara, and held a faculty position in cartography at the University of Minnesota before joining Rand McNally in 2000, where he was Director of their GIS division. In his message to faculty, staff, and students of the Department, Chair of the Department Prof. Kaiser explained that "(Howard) is excited to be back in an academic setting, and the

State Cartographer's Office will benefit greatly from his years and diversity of experience."

Watch the State Cartographer's Office "Mapping Bulletin" newsletter at news.sco.wisc.edu for a full biographical sketch of Howard and his new role in the Geography Department.

Department Administrator



Alice Halfen, our new Department Administrator, did not move far. She came to us from the Nelson Institute for Environmental Studies (downstairs in Science Hall) this March. Before serving as the Nelson Institute's Payroll and Benefit's Specialist, she spent several years working in Human Resources for the private sector. "I feel right at

home here. Geography runs in the family as I was a geography undergraduate at the UW-Eau Claire, and met my husband in the Cartography Lab there. Both husband Fred and son Alan are geography graduates."

Director of Graduate Programs

The Department of Geography is pleased to announce the hiring of a new Director of Graduate Programs.

Sharon Kahn will now play this key role within the department. The Director of Graduate Programs has significant responsibilities in policy development and oversight with respect to our graduate studies program and will direct graduate recruitment, advising, and program administration.



Science Hall IT Manager



The department welcomes **Suzanne Harris** to Science Hall as our new IT Manager. Suzanne replaces Paul Gunther who took a new position in January with the College of Agriculture and Life Science (CALS) as IT Manager for Russell Labs.

No stranger to the UW-Madison, Suzanne comes to us from the School of Nursing where she was Coordinator of Technology Services for the last 8 years. A native of Wauwatosa, Suzanne has an undergraduate degree in Biology from the UW-LaCrosse and a received her Master's in Biological Anthropology from the UW-Madison in 1991. She has been involved in computer support both as an employee and consultant since 1988, including 6 years with the WI State Historical Society.

Financial Specialist

Mike Lowrey joined us in August to fill this brand new position in the Department. Mike worked previously in the UW-Madison Bursar's Office.



Science Hall Cartography

Under the new leadership of **Tanya Buckingham**, the **University of Wisconsin Cartography Laboratory (UWCL)** is abuzz with activity, and there is no sign of slowing down.

The student team has gained invaluable experience on several interesting projects over the year, including:

- A re-design of the state bike map for the Wisconsin DOT, and will continue work with the DOT on a set of urban bicycle maps
- Consulting on atlas preparation and relief representation with Florida State University
- A partnership with local cartography experts, Axis Maps, to create an interactive map of the Arboretum, with exciting new functionality and brilliant flexibility
- Production on three fully, attributed, nicely generalized, world datasets with Tom Patterson of the National Park Service and **Nathaniel Kelso** of the Washington Post

Other exciting projects in the lab:

- The UWCL lead the project, under the direction of Prof. **Mark Harrower**, to archive past issues of Cartographic Perspectives for the North American Cartographic Information Society (NACIS).
- **Tanya Buckingham** is the guest editor for a special issue of Cartographic Perspectives, emphasizing the importance of sharing information, data and knowledge in cartographic techniques.
- Map entries from around the country for the International Map Competition passed through the lab, enroute to the Barbara Petchenik Children's Map Exhibit which will be held in Santiago, Chile at the International Cartography Association in the fall.

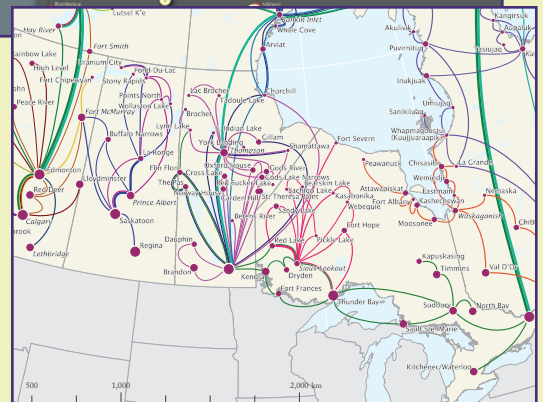
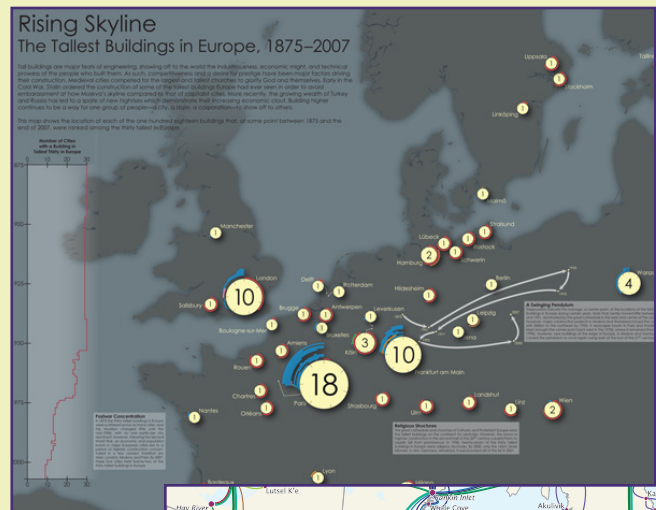
Cartography students, **Ben Coakley** and **Daniel Huffman**, received national accolades for original works. Daniel Huffman's work and honors include: "Rising Skyline" received the National Geographic Award in Mapping 2008-09, it will also be on display at ICC in Chile. "Visualizing Airfare" ACSM, Runner-up, Arthur Robinson Award for Best Printed Map and will be printed in the Cartography Design Annual #2.

Ben Coakley received Second Prize in the National Geographic student map competition for "Scheduled Service on Small Airlines in Canada, Summer 2008".

Department Resource

The **UWCL** will be offering drop in hours for advice, starting this Fall. During this time you are welcomed to bring your questions about representing data, general map and graphic software questions, as well as map critiques. While we won't be able to create a map for you in during these open hours, we can offer advice on how to move your project forward.

In addition to our custom cartography and data graphic services, the UWCL also offers large-format printing on our new Epson plotter. Please feel free to contact us about pricing.



Robinson Map Library

The past year has been an exciting one in the Robinson Map Library. Our project “The Changing Landscapes of Wisconsin: A Digital Archive of Historic Aerial Photographs” is in full swing as we enter the mid-point of the three-year grant cycle. Over 35,000 metadata records have been created, and digitization of the 1930’s aerial photographs is going smoothly. Students and staff in the Map Library, the State Cartographer’s Office, and the UW Digital Collections Center have been working hard to keep the project on track (and ahead of schedule!). All of the project participants are thrilled to have Professor **Mark Harrower** back on campus this fall to resume his role as project director following a year-long sabbatical. Look for the complete collection of historic 1930’s aerial photos to appear online in the coming year. Funding for the “Changing Landscapes of Wisconsin” project is made possible by the Ira and Ineva Reilly Baldwin Wisconsin Idea Endowment.

In other aerial photograph news, Map Library staff members have been busy re-organizing the collection to make room for an additional 10,000 aerial photos given to the library by the WI

Department of Natural Resources Forestry Division. These photos cover the state for the years 1991-1994 at a scale of 1:15,840 (or 1 inch = ¼ mile). Full integration of these photos into the existing collection of over 200,000 prints will be completed by the end of the summer.

Map Library student employees continue to work diligently at various projects focused on improving access to our diverse collections. Ben Spaier, Angie Hanson, Sonja Reichertz, Amanda Sauer, Carly Myers, and Sarah Smith worked tirelessly over the past year and kept the library in an active and vibrant state. Each year more and more positive changes happen in the library because of the talented and dedicated students we are fortunate to employ.

Jaime Stoltenberg continues her role as Map and GIS Librarian, entering her 6th year of service in the Department of Geography. She would like to encourage all alumni and friends to visit the Map Library, especially those who have not been by in recent years. Room 310 of Science Hall has changed dramatically with the development of new collections and services. Hope to see many of you soon!

GIS Certificate Program: A Decade in Review

By **Karen Tuerk**

Ten years ago, faculty members, **A-Xing Zhu** and **Jim Burt** took advantage of a campus initiative to “enhance the undergraduate experience with specialized training in areas of increasing market demand”. With the support of then Chancellor **David Ward** (Geography Emeritus, 1966-1993), they created the Capstone Certificate in Geographic Information Systems (GIS) – one of six original programs of this University “Capstone Initiative”.

The timing was just right. Powerful GIS software had begun to transition from command-line interfaces for the workstation to graphical user interfaces (or GUIs) on the desktop, making GIS a more technologically accessible tool. New applications in GIS were taking off, and so was demand for GIS professionals. In the beginning, the program attracted students mainly from fields of early GIS adoption (eg. natural resource management, conservation, earth sciences, urban-planning), but as GIS became a more widespread tool, a more diverse student body emerged. Economics, archeology, sociology, history, political science, public affairs, business, and public health are just some of the additional backgrounds students entering the program have today. We even had

Undergraduates Represent UW-Madison at AAG Annual Meeting in Las Vegas

Thirteen Geography Club members stretched out their Spring Break this past March to attend the Association of American Geographers Annual Meeting in Las Vegas, Nevada. **Jon Gadbois, Adam Nellesen, Devon Piernot, Genevieve Schaad, Aaron Schuck, Ben Spaier, and Maggie Strassman** represented the UW and the West Lakes Division in the World Geography Quizbowl during the conference. As the ONLY all-undergraduate team, the Club members impressed the judges, fans, and everyone there! Congrats to Ben for finishing as one of the top 10 highest point scorers at the Bowl!

Geography Undergraduates at AAG in Vegas



students with advanced degrees in folklore and religious studies come to us to learn how to apply GIS to their research.

The GIS Certificate is a one-year program open to students with an undergraduate degree in any natural or social science, intended to provide a mix of GIS theory and practical knowledge for many possible applications. The strength of the program lies in its balance; the core curriculum gives students a strong foundation in GIS and spatial analysis, including cartography and statistical methods, while project work, a required internship, and other outside opportunities give students real-world experience. Since 2004, the program offers bi-weekly, hands-on workshops that give students even more exposure to GIS software and methods to help ensure they hit the ground running when they enter the job market.

And what success our students have had. A recent analysis of alumni found that approximately 90% of students completing the program found work in the geospatial science field or jobs in which GIS tools are used as part of their work. Program graduates hold positions in local, state, and federal agencies as well as academic institutions and private business. Some typical titles of our graduates are GIS Specialist, GIS Analyst, GIS Manager, GIS Coordinator, GIS Technician, Data Manager, and Cartographer. Many have titles specific to a domain area. While the use of GIS is a component of their job, it may not be their primary activity. These include titles such as Geographer, Market Research Analyst, Planner, and Scientist.

But students and employers are not the only beneficiaries of the GIS Certificate. The program also contributes to the culture and fiscal health of the Department. The regular flow of new students into the Department (15-20 per



GIS Certificate students – Class of 2008

year) brings a breadth of backgrounds, interests and new ideas for GIS applications, adding to the diversity of the academic environment. And because the program is revenue-generating, continued demand also brings in significant annual funds. This allows for resources the Department could not afford otherwise in this era of declining budgets. For example, each year the program funds 7 teaching assistant positions and the occasional lectureship, helps staff the computer help-desk and webmaster position, and allows the teaching lab to be upgrading with new computer every two years. Finally, the program supports geography outreach and education by providing funding and student volunteers for Geography Awareness Week activities (p. 13) on and off-campus including our bi-annual GIS Day (p. 7).

Additional information about the GIS Certificate Program can be found at: www.geography.wisc.edu/GISCertificate

Welcome incoming GIS Certificate students:

Andrew Badje
Jeffrey Becker
David Brunner
Timothy Burkhalter
Derrick Frese
David Hamm
Dustin Linder
Andrew McGuire
Danielle McIntosh
Christopher Noll
George Oliver
Meaghan Proctor
Jay Schmidt
Matthew Sudac
Kenneth Then
Zachary Uttech
Daniel Wandersee
Benjamin Wernberg
Michael Winer

The Hulburt Creek Fields Conservation Area

Alumnus **Bill Gartner**, Ph.D worked with the Sauk County Historical Society (SCHS) and the Ho Chunk Nation (HCN) to acquire the Hulburt Creek site, a relict agricultural field system that dates to around 1000 AD near Wisconsin Dells. The Hulburt Creek fields are one of the oldest and best-preserved raised field sites in the Upper Midwest. Bill excavated the site as part of his dissertation research on “the original organic farmers.”

William and Phyllis Pierce graciously donated the site to the Sauk County Historical Society in December of 2008. A dedication ceremony - which included presentations by Bill as well as local, state, and tribal officials - was held in May of 2009. The SCHS, the HCN, and Bill are currently working on site management and public education plans for the Hulburt Creek fields.

New SCO Coordinate Reference Systems Guide Now Available

By **Jim Lacy**

More than two years in the making, the State Cartographer's Office recently published a revised handbook on coordinate systems commonly used in Wisconsin. Wisconsin Coordinate Reference Systems, 2nd Edition, is a revision of the popular Wisconsin Coordinate Systems handbook first published by the SCO in 1995.

This new 119-page publication contains general background information on map projections and coordinate systems, as well as specific coordinate systems design parameters used in Wisconsin. Most notable of these is the recent Wisconsin Coordinate Reference System (WISCRS), designed and created in 2006 as an alternative system to the existing Wisconsin County Coordinate System (WCCS) that became available in 1995.

In addition to details on the new county coordinate system, the handbook details other coordinate systems used in Wisconsin, such as the State Plane, the Universal Transverse Mercator, the Wisconsin Transverse Mercator, and the U.S. National Grid.

Wisconsin Coordinate Reference Systems, 2nd Edition is available as a free download on the SCO Web site at www.sco.wisc.edu.

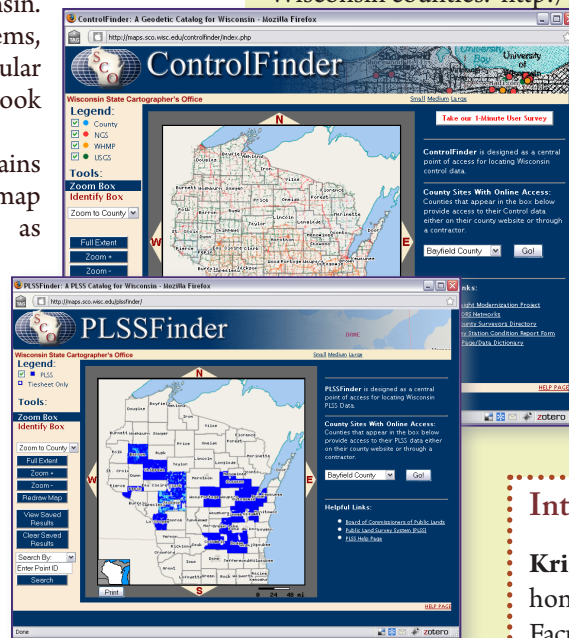
Department Alumnus Ryan Galt Awarded Eric Wolf Prize of the Political Ecology Society

UW-Madison Department of Geography Alumnus **Ryan Galt** has received the Eric Wolf Prize for the best article-length paper based on dissertation research, presented by the Political Ecology Society. Dr. Galt's paper is published in the Journal of Political Ecology and is entitled "It just goes to kill Ticos: national market regulation and the political ecology of farmers' pesticide use in Costa Rica."

Galt is currently Assistant Professor of Agricultural Sustainability and Society in the Department of Human and Community Development & Agricultural Sustainability Institute at the University of California.

(continued from page 5)

ControlFinder: This online catalog of approximately 25,000 geodetic control points in Wisconsin provides access to control established by the National Geodetic Survey, the U.S. Geological Survey, the Wisconsin Dept. of Transportation Height Modernization Program, and local control established by various Wisconsin counties. <http://www.sco.wisc.edu/geocat/index.php>



PLSSFinder: This online catalog contains information about the Public Land Survey System (PLSS) corners for 17+ Wisconsin counties consisting of over 30,000 corners. The corner information accessible through this application comes directly from county contributors.

www.sco.wisc.edu/plss

International Connections

Kris Olds and **Bob Kaiser** were both honored with International Institute Faculty Contribution Grants in recognition of their outstanding scholarship abroad.

Geography Grad Student Mark Cooper Awarded NSF Doctoral Dissertation Improvement Grant

Mark Cooper, a doctoral candidate in the Department of Geography, has received a Doctoral Dissertation Research Improvement Grant from the National Science Foundation's Science, Technology and Society Program for his proposal entitled, "Making Markets for Environmental Governance: Science and Politics in Climate Change Policy." The research aims to explain how emissions trading moves from theory to reality in national climate policy and to improve understanding of the capabilities and limitations of market-based environmental policy instruments for the regulation of greenhouse gas emissions.





Geography Awareness Week Activities

Geography Club members bring their enthusiasm about geography to local K-5 classrooms during Geography Awareness Week (November 16-22, 2008). Club members led interactive activities that taught kids about diversity on the African continent in over 20 classrooms at Northside, West Middleton, Randall and Emerson elementary schools.

Geography Library

For decades, Science Hall has been part of a special migratory path for geographers. Inside, the Geography Library is a welcome respite along the way and is the place that brings the past to the present. What is it that draws visitors here? The consensus points to the collections within. Undoubtably, the Geography Library is unique because of its books, atlases, and its physical location. However, the library is much more than its expansive main reading room and the maze of stacks, it is also a portal to the vast collections of the University of Wisconsin here at Madison, and libraries throughout the entire state system of schools and beyond.

The Geography Library continues its long tradition of service to the university community by providing library and information assistance into the 21st century. We have over 70,000 physical books and journals. We also have electronic access to much more. Many print journals are now available online, so while we may be receiving fewer journals in print, there is still plenty of electronic access to full texts, and other digitized content. A few years back, our photocopier was replaced by a scanner/photocopier. The scanner is very popular and in a small way the library is greener because of this. Remember those photocopied print reserves at the circulation desk? This paper based system has been completely digitized. Students now find almost all their reserve readings online.

Our library computer stations are always in use. This is not a problem for those who may have a laptop or netbook in tow. Wireless access is available throughout the library and Science

Hall. This summer, the library underwent the installation of electrical outlets located throughout the main reading room and up in our mezzanine area. We also recently acquired some previously owned comfy chairs and tables. As always, the Geography Library is a place where all students can come, settle in, and now plug in with comfort and ease.

The Geography Library has employed many undergraduate student assistants who have spent a semester abroad during their tenure here. Since 2006, past student assistant **Adam** studied in Ecuador. Two of our graduating student assistants, **Davita** and **Sydney**, studied in India and South Africa, respectively. Kayla, one of our current student assistants, also spent a semester in Ecuador studying Spanish as she prepares to become a elementary school teacher. Their travels added to their growth as good global citizens and Geography library staff members.

The permanent staff of **Tom Tews** as Librarian and **Paddy Rourke** as assistant continues. Congratulations are in order as Tom recently received an indefinite appointment to continue his good work in leading the library. Paddy is no stranger to Science Hall. She was the assistant to Miriam Kerndt, Tom's predecessor, back in the early 1980s. In 2006 Paddy returned to the Geography Library from the Communication Arts Department.

So if you find yourself in Science Hall, stop by and say "Hello." We will be happy to show you around. Your support is always appreciated, whether a kind word, a donated geography book, or a monetary donation.

Geography Department Bids Farewell to Retiring State Cartographer Ted Koch

On June 19th nearly 100 friends, family, and colleagues of **Ted Koch** gathered at the Lowell Center on the UW-Madison campus to celebrate his retirement after 18 years as Wisconsin's State Cartographer. Ted previously worked with the New York Department of Transportation for 17 years prior to returning to his home state of Wisconsin in 1991.

Prior to his departure on July 3rd, Ted reflected on his time as State Cartographer in the SCO's online newsletter. MADGEOGNEWS readers are invited to check out his article at: news.sco.wisc.edu.

The staff and faculty in the Department wish Ted the very best in his much-deserved retirement!



Geography 565: Undergraduate Colloquium

As part of the 20th anniversary celebration honoring the creation of the Lower Wisconsin Riverway, **Bill Gartner** and 67 students researched land and life within this unique conservation corridor. Students created animated maps; assembled and analyzed GIS data sets; designed thematic and reference maps; conducted interviews; interpreted landscapes; and in general documented the cultural, historical, and natural resources of, and daily life within, the lower Wisconsin River Valley. Research topics varied from the catastrophic draining of Glacial Lake Wisconsin and the biogeography of Sand Barrens to the ethnic settlement of the Lower Wisconsin River valley and the effects of geotourism, conservation, organic farming, highways, bars, and the Badger Army Ammunition Plant on the Riverway's geographic personality. One student group filmed a documentary on planning and place-making. Students presented their research in a public symposium and turned over their results to the Lower Wisconsin Riverway Board. Bill, his daughter Olivia (age 7), and 13 students celebrated the end of the semester by canoeing down the Lower Wisconsin Riverway and camping on a sand bar.

Recent Graduates

Colin Belby, Ph.D

"Historical Floodplain Sedimentation Along the Upper Mississippi River"

Leila Gonzales, Ph.D

"Reconstructing Late-glacial No-analogue Climates in Northeastern Illinois with Expanded Pollen-climate Relationships: A Case Study at Crystal Lake, McHenry County, Illinois"

Fernando Gonzales, Ph.D

"Socio-Environmental Dynamics of Biological Invasions: The Case of Kikuyu Grass (*Pennisetum clandestinum*) in the Cotahuasi Valley, Southern Peru"

Feihua Yang, Ph.D

"A Data-driven Approach to Modeling Regional Evapotranspiration and Net Ecosystem Exchange of Carbon"

Jacob Fleming, MS

"Herders and Reformers in Central Asia's 'Island of Democracy': Post-Soviet Institutional Change in Pastoral Kyrgyzstan"

Adam Mandelman, MS

"Walking through Time and Place: The Cultural Politics of Hawaii's Ala Kahakai National Historic Trail"

Julia Ferguson, MS

"Reconstructing Historic Floodplain Conditions for Restorations: A Case Study in Iowa County, Wisconsin"

Noel Rivera, MS

"Al-Andalus as a Space of Coexistence: An Eventual Imaginative Geography"

GIS Certificates

Althea Archer

Amber Boudreau

John Edwards

Rozalynn Klaas

Angus Lewis

Stephen Mauel

Michael Mejac

Travis Reinke

Julie Schoengold

Kyle Westendorf

Alumnus and Emeritus Information Update

MadGeogNews requires a constant flow of new material to bring you the latest information on faculty, alumni, students, and friends of the Department of Geography. Help us keep current with our allumnus and emeritus.

Please use this opportunity to give us an update of your current happenings, recent publications, lectures, or presentations; recent awards or other recognition; news of former faculty, students, or staff. Include your name, degree and year(s) of completion or tenure.

Updated information can be emailed to **webmaster@geography.wisc.edu** or directly mailed to:

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Gifts are allocated to the areas of greatest need in the Department of Geography. These gifts help support activities such as graduate student research, student travel to conferences, undergraduate student awards, development, and maintenance of our website, and bringing guest speakers to our campus.

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Thank You for your Support of the University of Wisconsin Foundation-Geography!