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Paul Krugman to Speak at AAG Annual Meeting

Paul Krugman, Princeton University economist and syndicated columnist for the *New York Times*, will speak at the upcoming AAG Annual Meeting in Washington, D.C. on Friday afternoon, April 16, 2010, in Marriott Ballroom Salon 3, at 12:40pm. Krugman's presentation, "The New Economic Geography, Now Middle Aged," will serve as the Regional Studies Association Annual Lecture.

Krugman was awarded the Nobel Prize in 2008 for groundbreaking research in international trade and economic geography. He is known for developing a new theory of international trade, a theory which the Nobel Prize committee called "elegant" in their award citation, noting that Krugman's



Krugman

CREDIT: PRINCETON

achievements had "provided the seeds of a new economic geography."

Selected as AAG's Honorary Geographer in 2009, Krugman is a well-known public figure whose *New York Times* columns and guest appearances on radio and television connect economics and politics with larger social issues. Harvard economist Edward Glaeser, who will also speak at

the AAG meeting, recently noted that Krugman is often a polarizing public figure, "loved by millions but also intensely disliked by his political opponents." Krugman is professor of economics in the Woodrow Wilson School of Public and International Affairs at Princeton University.

Special Diversity Sessions Planned for AAG Annual Meeting

A special track of sessions exploring issues of diversity in higher education is being organized for the 2010 AAG Annual Meeting, to be held in Washington, D.C. The track will highlight geographic research that can support geography and geosciences departments in their efforts to design and implement plans to become more inclusive, broaden participation, and engage traditionally underrepresented populations. An extended listing

of session times and rooms will be published in the on-site conference program.

As part of the track, distinguished panelists from various associations and foundations will address, "Institutional Perspectives on Broadening Participation and Enhancing Diversity in Higher Education," on Thursday, April 15, at 2:40pm in the Tyler Room, Marriott Mezzanine. Panelists will discuss institutional strategies, experiences, access, support, and prospects for promoting greater inclusion of underrepresented students in higher education.

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Collaborative crisis mapping efforts helped focus rescue and relief missions in Haiti. See page 10.

Annual Meeting Preliminary Program Now Available Online

Register today at www.aag.org/annualmeetings/2010

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Mapping Procurement Practices – Best and Worst

Remember the old saw about how you really don't want to know how laws and sausages are made? Well, recently there has been a lot of sausage making going on in some corners of the geospatial community as dubious proposals advocating exclusionary procurement policies for governmental mapping and GIS services continue to proliferate.

Advanced relentlessly by a few private engineering and surveying firms, these shenanigans have shifted in form from previously unsuccessful litigation against the federal government (MAPPS v. United States) to a more recent spate of various "Best Practices" proposals for governmental "Procurement of Professional Geospatial Mapping Services." I think some of us in the GIS and mapping fields may have to agree to disagree on these documents. A fundamental problem with these so-called "Best Practices" proposals, and with so much of the rhetoric on procurement policies from these groups is their dominant focus on and continuous reference, almost to the point of obsession, to the Brooks Architect-Engineers Act, as if that act were somehow central or even relevant to most mapping, GIS (geographic information systems), GPS, remote sensing, or other types of geographic data collection and processing. It is not.

The Brooks Architect-Engineers Act was designed for procurement of legitimate architectural and engineering services. The attempts now by a few special interest groups to contort this act to try to extend its scope to obtain near-exclusionary procurement privileges over a very broad range of traditional mapping and new GIS activities, previously performed for centuries or decades by many others, including geographers, is in my opinion a sad chapter in the otherwise distinguished history of cartography, mapping and GIS. It obviously is being attempted out of narrow financial self-interest. I don't think it serves the nation well competitively,

economically or technologically, for a small group of firms or "professions" to try to corner the market on mapping and GIS services via this procurement ruse.



Richardson

Rather than addressing a reasonable plan or guidelines for good procurement practices (openness, competition, cost-effectiveness, quality assurance procedures, standards, and data specifications, etc.), these recent documents are little more than an extended rationale for injecting the "Brooks Architect-Engineers Act" and related unspecified "licensing,"

into nearly all geographic data collection or processing activity. They are not focused on "best practices," but are clearly advocating a quite separate agenda, which is restrictive and exclusionary procurement of geographic data collection and processing services. That certainly is not "best practices" for anyone, except for those who benefit from the closing off of competition and innovation, and excluding broad swaths of crucially needed expertise and capability from the procurement process.

The Brooks Architect-Engineers Act was never intended for nor is it relevant to the vast majority of mapping, cartography, field data collection, or GIS activities. Why this bogus issue has repeatedly been allowed to dominate the GIS and mapping agenda, via litigation and lobbying by those who stand to gain financially by extending an Architect-Engineering law to cover services long provided primarily by others, is a question worth considering. Shouldn't we, as mapping scientists, professionals and government GIS officers, perhaps be a bit more focused on the science and technology, or the educational and workforce needs of these issues? Or on innovation and competitiveness of our industry? Is restricting who can bid on mapping or GIS projects really the most important agenda item? For some, it apparently is.

Continued on page 4

Geography at the Edge

The AAG Annual Meeting in April will be, not just anywhere in Washington, D.C., but within a stone's throw of the Fall Line. It's an auspicious location, as the Fall Line is one of those places at the intersection of physical and human geography.

The Fall Line has long been a poster child for the influence of the physical environment on human settlement. At the Fall Line, the unconsolidated deposits and lower elevations of the Coastal Plain physiographic province meet the metamorphic rocks and higher elevations of the Piedmont. It marks the inland extent of navigable waters that were transportation lifelines of the 13 colonies, and the inland extent of the easy-to-cultivate Coastal Plain soils. Geographer Ellen Churchill Semple (in 1903) described the historically strategic importance of the 100-foot line of elevation, essentially the Fall Line, for overland transportation along the east coast of the U.S., noting that it enabled travelers, commerce, and armies to circumvent the difficulty of North-South overland movement across the swamps and rivers of the Coastal Plain. For early settlers, knickpoints on Fall-Line rivers presented, not just impediments to navigation, but opportunities to harness water power. Hence, numerous towns, including Trenton, Baltimore, Richmond, Raleigh, Columbia, Macon, and Washington, D.C., grew along this line of hydro-powered mills and break-in-bulk commerce.

The Actual Fall Line

In my childhood in the D.C. area, the "Fall Line" was a visible and often-mentioned element of the landscape. From below, it is the hill rising northwest of Florida Avenue; from above, it's a long hill with a big view. We talked about it on the way "downtown," visited Great Falls of the Potomac River, and frequently hiked along the towpath of the C&O (Chesapeake and

Ohio) canal, built to extend commercial navigation westward of the Fall-Line and Appalachian rapids of the Potomac River.

Because rivers focus the erosional power of flowing water, Great Falls of the Potomac has migrated upstream of the Fall Line boundary. Likewise, Rock Creek has already descended to Coastal Plain elevations as it passes below the hotels that will house our meeting, even though the actual physiographic province boundary is a short distance to the southeast. In the National Zoo (near the hotels and worth a visit), you can walk down to the elevation of the Coastal Plain from the Piedmont.

Some would argue that certain phenomena are exaggerated in Washington. The Fall Line achieves higher relief here than in some of its other cities, but it did so quite naturally before government and politicians arrived. The highest point (over 420 feet) in Washington, D.C. is at Fort Reno, north of the conference hotels on an ancient river terrace perched on the Piedmont. The freshwater springs that emerge along the rock surface at the base of the terrace were an important water source for Washington before the city's demand for water grew to require it to be pumped from the Potomac River.

Below the Fall Line, Washington, D.C. is built on old river terraces, low-lying land, and newly created land. The Coastal Plain portion of the city is remarkably low—the benchmark on the west side of Capitol Hill is at only 12 feet above sea level. Today's riverscape differs from the one recorded in pre-1900 paintings of the city. The area around the Tidal Basin and other "land" near the river were artificially formed in the first decade of the 20th century, when the

National Mall was extended westward by fill to produce land for the Lincoln and Jefferson Memorials. Thus, Washington D.C. is a "built environment" by virtue of its land as well as its structures. For geographers, then, Washington D.C. offers a fine example of a place that exists where it does for influences of the natural landscape on human settlement, while also exemplifying the remarkable vision, earth-moving, and hydraulic engineering capacity of those people who altered the landscape.

Figurative Fall Lines

In metaphorical terms, there is much to be said in favor of meeting on an edge.

From an edge, one can see the resources and opportunities offered by both sides. When an edge separates highland from lowland elevations, the view from above adds perspective to what lies below (no political jokes here, as even the land on the Piedmont side of the Fall Line is "inside the beltway").

The discipline of geography benefits from having less center and more edge than many disciplines. We have the vantage point from which to view new developments and gaps on multiple fronts, gain broad perspectives on places and issues, and draw on resources and forge collaborations from all sides. Thus, it is fitting that we will meet on the uphill edge of the Fall Line. We thank the AAG staff, whose offices are down on a Coastal Plain terrace, for having chosen this venue on a physiographic edge for our annual meeting. We will surely use it to literal and figurative advantage. I hope you will join us at the Fall Line.

Carol Harden
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Harden

AAG Annual Meeting, April 14-18, 2010, Washington, D.C.

For details and to register, visit www.aag.org/annualmeetings/2010.

Why shouldn't all knowledgeable individuals or firms which have qualifications and experience related to GIS and mapping, including those A&E or surveying firms which may also have such expertise, be allowed to compete on and receive federal, state, and local government projects and contracts?

Why the larger GIS and mapping community should even consider "negotiating" procurement concessions at all to a narrowly focused Architect-Engineers law that isn't designed to cover most GIS and mapping services in the first place is puzzling. We should also stop confusing the highly misleading term "Qualifications Based Selection" with the narrowly restrictive and anti-competitive procurement reality of the guild-based Brooks Architect-Engineers Act, as is done in these "best practices" documents and commonly elsewhere. "Qualifications based selection" or "QBS" only occurs in the Brooks Architect-Engineers Act within a limited and narrowly defined realm of eligible A&E firms, as specified in the Brooks Architect-Engineers Act (see legal analyses at www.aag.org/GISprocurement). That narrow limitation of competition to only A&E firms is logical if, but only if, the act is actually used for what it was intended, i.e., the procurement of conventional architectural and engineering services. However, should the proponents of extending this Brooks Architects-Engineers Act way beyond its original intended use succeed in annexing the procurement of broad new and old realms of mapping and GIS, of the sort that traditionally have been and currently are provided widely by others including geographers, then many if not most of the current mapping, cartography, and GIS companies, as well nearly all of the most highly talented and qualified individual mapping professionals, would not be eligible to participate under governmental GIS and mapping procurements on an equal footing. The Brooks Architect-Engineers Act, when it strays into predominantly non-A&E areas of procurement or expertise, such as mapping and GIS broadly, clearly does not support a "Qualifications based selection," but instead limits it sharply by excluding the significant Qualifications of a very large number of

relevant non-A&E firms and individuals, as well as much important expertise, experience, and other crucial Qualifications traditionally found outside the A&E professions, from the selection process.

It also is obvious that adopting restrictive and exclusionary special interest procurement practices, such as those of the Brooks Act, will dampen US economic growth and competitiveness, and new technology development in the GIS and mapping fields. Legal analyses of the Brooks Architect-Engineers Act, as well as common sense regarding the wide range of other expertise such as computer science, geographical and geodetic sciences, information technology (IT), spatial modeling, statistics, database development, GIScience, and many other forms of non-A&E science-based "qualifications" and knowledge necessary for large scale geospatial services projects, provide just a few of the reasons why I disagree with the premises and conclusions of the recent spate of "Wurst Practices" for procurement of mapping services documents.

Coincidentally, in addition to attempting to restrict governmental mapping, GIS, and GPS/GIS field data collection to only a few private firms (themselves), many of those advocating these policies also actively oppose and have attempted to block the use of federal tax dollars to support state, federal, or local governmental mapping agencies, and also seek to prohibit universities, faculty members, and students from working or collaborating with local and state governments on mapping and GIS projects, on the premise that only the private sector should be able to engage in such activities.

Procurement Principles

Rather than focusing obsessively on restrictive and exclusionary policies, a truly Best Practices procurement document might instead focus on openness, ensuring the best quality data and results, competitiveness, cost-effectiveness, science-based and demonstrable quality assurance practices, transparency, and inclusive policies that will foster rather than undermine a vital, innovative, and competitive GIS and geo-

spatial industry and capacity for the nation, and for the world. To that end, below are a few preliminary suggestions for some truly "Best Practices" principles for procurement of governmental mapping, geographic data collection, and GIS services:

- Geospatial and geographic data services procurements should be open to all companies or individuals who have expertise in mapping, cartography, geographic data collection, or GIS.
- Geographic information systems and geospatial technologies procurements rely heavily on expertise from computer scientists, geographers, planners, information technologists, database specialists, and many related subject matter disciplinary sciences. These scientists and GIS professionals should not be excluded from bidding on governmental contracts or procurements by licensing or other exclusionary mechanisms.
- Government procurement of geospatial services should recognize the dynamic and rapidly evolving nature of the Geographic Information Systems (GIS) and geospatial technology fields. This rapid innovation and dynamic growth should not be stifled through restrictive or exclusionary procurement practices, particularly licensing.
- Government procurement policies should recognize that licensing in one field, e.g., engineering or surveying or hairdressing does not represent expertise in other or broader fields, such as geographic information systems, cartography, mapping or geospatial technologies.
- Government Agencies should be supported financially in order to develop strong staffing and internal expertise in geographic information systems and geospatial technologies.
- The private sector can and should play an important role in national, state, and local geospatial science and technology service programs, but governmental mapping agencies also should have adequate funding and expertise for planning and

Continued on page 5

Economic Geographer David P. Angel Named President of Clark University

Economic geographer and AAG member David P. Angel, Clark University Provost and Vice President for Academic Affairs, has been selected as the next president of Clark University.

Angel, age 51, has served as Clark's provost since 2003, overseeing all undergraduate and graduate academic programs, as well as admissions, student affairs, sponsored research, and University libraries. Under his direction, Clark University completed an important review of its undergraduate liberal arts curriculum. As a result, program changes are underway which will help to incorporate the broader, global viewpoint and interdisciplinary vision necessary to prepare students for the complex challenges they are likely to meet in today's world.

Angel joined the Clark University faculty in September 1987. He received a B.A. at Cambridge University and his PhD

at UCLA. Angel is Leo L. and Joan Kraft Laskoff Professor in Economics, Technology and Environment in the School of Geography at Clark University.

As a pioneering researcher on industrial environmentalism and clean technologies, Angel has helped steer Clark's many innovations in campus sustainability. He will oversee implementation of the University's Climate Action Plan, which commits Clark to eliminate campus greenhouse gas emissions by the year 2030.

Angel is the recipient of numerous grants and awards, including an Abe Fellowship awarded by the Center for Global Partnership in conjunction with the Social Science Research Council and the American Council of Learned Soci-



Angel

eties. His research includes work conducted for the U.S. Department of Commerce, the U.S. Agency for International Development, the Asian Development Bank, the John D. and Catherine T. MacArthur Foundation, the U.S. National Science Foundation, and the United Nations Industrial Develop-

ment Organization.

Angel's published books include: *Asia's Clean Revolution: Industry, Growth and the Environment* (with Michael T. Rock, 2000, Greenleaf Publishers), *Effective Environmental Regulation: Learning from Poland's Experience* (with Halina Brown and Patrick Derr, 2000, Praeger Press) and *Industrial Development in the Developing World* (with Michael T. Rock, 2005, Oxford University Press).

From the Meridian continued from page 4

overseeing such programs, or for conducting mapping programs internally when appropriate or cost effective.

- Universities and community colleges should be supported to develop and sustain expertise and experience among faculty and students. This should include opportunities to enter into collaborative agreements with governmental agencies for consulting and services as a means to share research and benefit student development.
- Not just Private-Public partnerships, but also *University* partnerships with governmental agencies and private firms should be encouraged and supported. The economic threats to public education and to U.S. public research universities are serious, and excluding their engagement with governmental agencies threatens the development and training of the next-generation workforce of scientists, engineers, and GIS and mapping specialists.
- Research should be an integral component of federal agency geospatial services

programs in order to develop best practices and to keep the US competitive and at the forefront of the geospatial services and technology fields.

- Governmental procurement policies and practices related to geographic or geospatial data and services should foster competitiveness and cost-effectiveness by ensuring that the pool of potential qualified data and service providers is as large and diverse as possible. Data and service procurement proposals should be evaluated in such a way as to maximize the value proposition that the acquiring/procuring agency itself defines. Evaluative criteria should include experience, expertise, past project work of a similar nature, cost of services, internal and external QA and QC procedures, educational background and certifications, and references from prior project work.
- To ensure accountability and transparency, the preferred quality of data and services and the means for measuring that quality must be specified in advance and made

available to the public. These metrics should be sound, science-based, repeatable, and auditable. QA plans and QC procedures should be required to ensure the quality of the data collected, according to the specifications desired. All procurement activities should be based on data and performance standards that inform clear work specifications and deliverables.

- Innovation – The acquisition of geospatial data and services should encourage, not discourage, innovation and new processes and methods, with an eye toward highest societal value as a consideration when evaluating proposals.

These ideas are far from perfect, and I am sure that many others can improve on these principles, but it sure would be refreshing to discuss procurement of mapping services from a starting point of concepts other than narrow self-interest, exclusion and greed.

Doug Richardson
drichardson@aag.org

AAG Enhancing Diversity Award to Recognize Elder, Frazier

The AAG Enhancing Diversity Award honors geographers who have pioneered or actively participated in efforts toward encouraging a more diverse discipline over the course of several years. This year, the AAG posthumously acknowledges the work of **Glen Elder**, University of Vermont, for his deep lifelong commitment to social justice and practices of broad inclusion. The AAG also presents the 2009 Enhancing Diversity Award to **John W. Frazier**, Binghamton University, for his accomplishments in fostering an environment where geographers make matters of race and ethnicity a priority in their classrooms and research.

Glen Elder was Associate Professor of Geography at the University of Vermont, where he worked tirelessly to recruit and support women, faculty of color, and queer faculty in the department and college. He was founding co-chair of the Space and Sexuality Specialty Group of the AAG and co-chair of the President's Commission on Lesbian, Gay, Bisexual and Transgendered Equity at the University of Vermont, where



Elder



Frazier

he also served as interim Dean of the College of Arts and Sciences. Widely respected for his empirically grounded and theoretically sophisticated scholarship at the intersections of gender, race, sexuality, class, culture, and place, he served as an ardent voice for the marginalized, the dominated, and the less powerful, making significant contributions to the fields of Gender Studies, Queer Studies, African Studies, and Political and Urban Geography. Elder died of a heart attack, at age 42, in May of 2009.

John Frazier is Professor of Geography at Binghamton University. Throughout his distinguished career he has pioneered efforts

to encourage a more diverse discipline in roles as departmental chair, professor and scholar. As chair, he worked diligently to diversify his faculty in terms of gender and racial-ethnic composition and has been an active mentor, leading to current recognition of the department as a successful model of diversity for U.S. geography departments. Frazier also brought the study of race as a vital aspect of geographic analysis to his thematic and methodological courses. As researcher,

he has authored or co-edited important new collections, including *Race, Ethnicity and Place in a Changing America* (2006) and *The African American Diaspora in the U.S. and Canada at the Dawn of the 21st Century* (2009). Frazier also played a leading role in the establishment of the interdisciplinary Race, Ethnicity and Place (REP) conference.

The AAG will confer its Honors and Awards at the Annual Meeting Awards Luncheon, which will be held on Sunday, April 18, 2010, in Washington D.C. For more information, see www.aag.org/grant-sawards/enhancing_diversity.cfm.

Special Diversity Sessions continued from page 4

This special track is being organized in conjunction with the AAG's NSF-funded ALIGNED Project, which supports geography and geosciences departments to enhance diversity, and with the assistance of many AAG specialty groups.

In addition to this special track, many other sessions at the AAG Annual Meeting will address a broad range of diversity topics ranging from environmental justice

to identity politics to immigration. Seven coordinated sessions on Black Geographies and the Politics of Place will consider various themes, including migration, the South, and fault lines. Another set of four sessions will explore, "Critical Geographies of Race and Critical Race Theory." A compilation of sessions addressing diversity will be available in early March and may be requested from Patricia Solís at psolis@aag.org.

The 2010 AAG Annual Meeting will be held April 14-18, at the Wardman Park Marriott and Omni Shoreham Hotels in Washington, D.C. Special hotel rates for registered meeting attendees are available through March 16. For more information on the Annual Meeting and to register, visit www.aag.org/annualmeetings/2010.

AAG Diversity Ambassadors

The AAG is seeking volunteers at the 2010 AAG Annual Meeting to share their experiences and give advice about college life, graduate school, job searches, networking and navigating the annual meeting, to graduate or undergraduate students as "AAG Diversity Ambassadors." Volunteers will be available on Thursday, April 15, from 9:30 a.m. to 4:30 p.m. in the Jobs in Geography (JIG) area. Graduate students interested in volunteering may contact Nate Sessoms at sessoms@usc.edu.

INLT Workshop Invites Commentary and Debate

The International Network for Learning and Teaching Geography in Higher Education (INLT) is convening nearly 60 geographers and students from more than 13 countries for a workshop in Washington, D.C. To be held April 12-13, 2010, the workshop will immediately precede the AAG Annual Meeting.

The INLT workshop's theme, "Changing Geography in Higher Education: Towards a Scholarship of Academic Practice," is intended to prompt critical debate and discussion about key issues affecting the discipline in higher education settings worldwide.

Workshop participants will be organized into smaller, international groups to develop collaborative manuscripts on

the following topics: 1) Designing curricula to develop student employability, 2) Connecting students and departments to the work of community organizations, 3) Embedding student research and inquiry into the curriculum (two separate groups), 4) Enhancing the professional development of early career geographers, 5) Building collaborations among geographic organizations internationally, 6) Planning and bringing about change in curricula (two separate groups), 7) Promoting synergistic activities between geography and other disciplines.

Each working group will produce a working outline (approximately 2,500 words) of a full collaborative manuscript prior to the workshop. Beginning February 2010, the outlines will be available in online

public forums for discussion and feedback. This process will hopefully generate substantive commentary that will inform the development of full manuscripts.

Anyone with an interest in the workshop topics is invited and encouraged to join the debate by visiting the 2010 INLT Workshop on the Ning.com social network: <http://inlt2010.ning.com/>.

To access the forums, visitors will simply need to create a free account and password upon their first visit to the website. Once registered, visitors will be able to access the forums, download the outlines, and submit comments to the authors.

Please direct questions to Dr. Michael Solem (msolem@aag.org), lead organizer of the 2010 INLT workshop.

Ottoman Maps to be Displayed at AAG Annual Meeting

This year's Exhibition Hall at the AAG Annual Meeting will feature a spectacular display of more than thirty reproductions of 16th and 17th century maps and manuscripts by influential Ottoman Turkish cartographers from Piri Reis to Katip Çelebi. These documents have been touring the U.S. as part of the UNESCO Katip Çelebi Year and are being brought to the AAG Annual Meeting with the assistance of the Turkish Ministry of Culture and Tourism.

Considered by many to be the most important work of geography written in the 17th century, *Displaying the World*, by Katip Çelebi (1609-1657), consisted of two parts: the first dealing only with seas, rivers and islands; the second with continents, cities, and countries. Intended as a book of general geography, *Displaying the World* contained maps of the known world, includ-



Resm-i İklîm-i Avrupa (The Continent of Europe)

ing America, Africa, Asia, Europe, and other regions. Reproductions of these important maps will be on display in the AAG Exhibition Hall.

The exhibition also includes the world maps of Piri Reis. These are the most important Ottoman naval and cartographical works

of the 16th century, presented by Reis to Suleiman the Lawgiver in 1526. Despite being prepared in the traditional style, these works are portolan maps based on personal experience, observation, and earlier maps from the East and West. Although they lack longitude and latitude lines they are significant for their precision and accuracy, and represent well the remarkable skill and creativity of the Ottoman cartographers.

A preview of the exhibition, *From Piri Reis to Katip Çelebi: The Ottoman Worldview Map Exhibition*, is available at www.medam.org.tr/projects/index/id/54. For more on the 2010 AAG Annual Meeting, to be held April 14-18, in Washington, D.C., see www.aag.org/annualmeetings/2010.

Geography and Human Rights Sessions at the AAG Annual Meeting

The AAG is sponsoring special sessions on the topic of geography and human rights at the upcoming 2010 AAG Annual Meeting, to be held April 14-18 in Washington, D.C. The track builds and expands on geography and human rights sessions held at last year's AAG Annual Meeting, and will include a workshop and several panel and paper sessions.

Workshop: Human Rights 101 for Geographers

A "Human Rights 101" training session for geographers will be co-conducted by Margaret Huang, Executive Director of the Rights Working Group, Jessica Wyndham, Acting Coalition Coordinator for the American Association for the Advancement of Science (AAAS) Science and Human Rights Program, and Doug Richardson, Executive Director of AAG and Chair of the Steering Committee of the AAAS Science and Human Rights Coalition.

The workshop will address the meaning of human rights, the background to the international human rights regime, and how human rights are enforced. Participants will gain an understanding of key human rights concepts and principles necessary for robust engagement.

Huang is a member of the Board of Directors for the U.S. Human Rights Network. Her previous positions include Director of the U.S. Program at Global Rights, Program Director of the Robert F. Kennedy Center for Human Rights, and Committee Staff for the U.S. Senate Foreign Relations Committee. Wyndham has worked extensively with national human rights institutions throughout Asia, the Pacific, Africa, and the Americas. Prior to joining AAAS, she was Legal Advisor on IDP Issues for the Brookings Institution Project on Internal Displacement.

This workshop will be held on Thursday, April 15, and is free to all attendees.

Film and Panel Session

The session "Geography of Genocide" will include a screening of the film, *The Geography of Genocide in Bosnia: Redeeming the Earth* (U.S. 2009, 50 min), by filmmaker Jonah Quickmire Pettigrew and his father, David Pettigrew, Professor of Philosophy at Southern Connecticut State University and an expert on genocide studies. Panelists will include David Pettigrew, Amy Ross (University of Georgia), Eric West (Southern

Connecticut State University), Carl Thor Dahlman (Miami University), and Marc Masurovsky (U.S. Holocaust Memorial Museum). Session organizer is C. Patrick Heidkamp (University of Connecticut).

This session will be held on Thursday, April 15.

Paper Session

"Geographic Approaches to Human Rights Concerns" will include the papers "Context, Development, and Rights" by Bojana Blagojevic and Luka Jordan, "Spatio-temporality, Forensics, and Geopolitics in the Legal Definition of Genocide: Bosnia vs. Serbia" by Mahmood Khan, "The Political Ecology of Landmines in Afghanistan" by Adan Hantel, and "Potential Privacy Concerns Issues of Human Rights and Change in the Newly Emerging Democracy of Bhutan" by session chair Larry Joe Morgan.

This session will be held on Thursday, April 15, at 8:00am, in Marriott Ballroom Balcony C. Additional human rights sessions organized by AAG Specialty Groups also will be included in the track.

Grants & Competitions

Study in India

The American Institute of Indian Studies (AIIS) has announced its 2010 fellowship competition, inviting applications from scholars who wish to conduct their research in India. Junior fellowships are awarded to PhD candidates to conduct research for their dissertations in India for up to eleven months. Senior fellowships are awarded to scholars who hold the PhD degree, for up to nine months of research in India. AIIS welcomes applicants from a wide variety of disciplines. It especially encourages applicants in fields such as Development Studies, Natural Resources Management, Public Health, and Regional Planning. The application deadline is **July 1, 2010**. Applications may be downloaded from the website: www.indiastudies.org. Inquiries should be directed to 773-702-8638 or aiis@uchicago.edu.

Student Activists

The Davis-Putter Scholarship Fund has applications available for student activists who are building the progressive movement and will be enrolled in school during the 2010-11 academic year. Our website provides answers to questions about the Fund, the application process, and the students we support. Since 1961 the Davis-Putter Fund has provided need-based grants to students who are involved in building movements for social and economic justice and are able to do academic work at the college level. Applications and the supporting documents – transcripts, a personal statement, two letters of recommendation, a photograph, and financial aid reports – must be **postmarked by April 1, 2010**. Those selected to receive a grant will be notified in July, 2010. The maximum grant is \$10,000. If you know of

students working for peace and justice, or if you have a list of activist contacts, please refer potential applicants to: www.davisputter.org.

Economic and Social Research

The UK's Economic and Social Research Council (ESRC) has launched this year's ESRC-SSRC collaborative scholarships. The deadline for applications is **March 2, 2010**. Scholarships are for researchers from the Americas (North, Central, South and the Caribbean) to visit and engage in collaborative activities with members of ESRC-supported projects in Britain, or for British scholars at ESRC-supported projects to visit collaborators in the Americas, between June 1, 2010 and August 31, 2011. Further information is available at www.esrcsocietytoday.ac.uk.

Washington Monitor

Loss in Massachusetts Throws National Agenda into Turmoil

With Scott Brown's (R) upset victory over Martha Coakley (D) complete, a major wrench has been thrown into Democratic plans for a continued aggressive national agenda. The once-shocking result, which became a near certainty in the last days of the special election campaign for Ted Kennedy's Senate seat, has thrown official Washington into a tizzy, but despite the bold public pronouncements coming from both sides, only time will tell what the true repercussions might be.

Implications for Geography

It is difficult for me to gauge the precise impact on legislation and policy topics of interest to geographers, but let me give it a shot. First off, I do expect the Democrats to try to find some way to deal with health-care reform. President Obama has invested too much time and political capital in the issue to give up now – and there are still a few doors open to him. The Democrats could attempt to forge a deal with Sen. Olympia Snowe (R-ME) and/or a few other moderate Republicans that would give them back the crucial 60th vote needed to break Senate filibusters. Or, perhaps more controversially, the Democrats could attempt to use the federal budget process – called reconciliation – to pass some healthcare changes. This would require only 51 votes, but it would limit the reach of reform, take some time, and could prove politically dangerous.

Once healthcare is done, there are multiple topics Congress could turn its attention to – including at least three of importance to geography: federal appropriations (which would likely be led by increases for scientific research); a reauthorization of No Child Left Behind (NCLB – hopefully involving a mandate

for geography education); or energy legislation (which encompasses climate change).

My sense is that the last of these is the most endangered by the Massachusetts result. Many moderate Democrats were already starting to push back against the President's ambitious climate change agenda, and there seems to be limited will left to focus on a bold energy agenda – including serious reforms aimed at curbing climate change. As I noted in my July/August 2009 column, the House last year passed an aggressive bill that was based on a system called cap-and-trade, which forces greenhouse gas producers to either reduce emissions or fund projects that are aimed at similar purposes. While this bill was hailed by many in the scientific community, it became the subject of Republican attack ads – and many Democrats in moderate House districts could pay a price for their vote in this year's Congressional elections.

There is no doubt that at some point, Congress will focus on the annual appropriations process, and this could bring good news for researchers. The Obama Administration will release its FY 2011 federal budget proposal in early February, and the expectation is that the document will request significant increases for the research agencies. Additionally, the House Science Committee just began hearings about the need to reauthorize the America COMPETES Act – which was signed into law by President Bush in 2007, gave momentum to major increases in the National Science Foundation's (NSF) budget, and calls for significant funding for science and math education.

This last aim of COMPETES goes hand-in-hand with a possible reauthorization of the NCLB legislation. Education Secretary Arne Duncan has asserted that No

Child is his top priority for 2010 and that the Administration will be focused on the topic. This could be good news for our discipline – as several members have heard our calls for dedicated funding in the law for geography education and we now have several friends on Capitol Hill. Still, a reauthorization would be handled by some of the same Congressional Committees that have been dealing with healthcare reform and it could test weary members of the House and Senate.

We should learn more about the direction of the national agenda in the next several weeks – and certainly by March much will be sorted out. Stay tuned!

Reminder: Consider Visiting the Hill during Annual Meeting!

As a follow-up to the final item in my January column, I again wanted to encourage AAG members coming to Washington in April for the annual meeting to consider taking a bit of time while you are in town to visit your members of Congress. As discussed above, there are multiple issues pending that will have great impact on geography research and education and it would certainly help address their needs if members of Congress hear from their constituents that geography is a discipline that is crucial to today's world, and worthy of federal support.

To this end, if you would like to meet with the offices of your Senator or member of Congress, please do not hesitate to contact me jwertman@aag.org and I will gladly offer advice about your delegation and tips for visiting the hill. We hope to see you in April!

John Wertman
jwertman@aag.org

The new AAG Guide to Geography Programs is now available.

To order, use the form on page 21 or go to the online store at www.aag.org.

“Geography in the News” Author Neal Lineback Completes 1,000th Column

Neal Lineback recently published the 1,000th edition of *Geography in the News*, a syndicated weekly news column. He began authoring the column in 1987 with the encouragement of Harm de Blij. Over the more than 22 years since, the weekly column has grown to an estimated potential weekly readership exceeding two million students and adults.

Geography in the News (GITN) evolved from being published in a single small-town newspaper (*Watauga Democrat*) to distribution to teachers by subscription, with the number of subscribers growing annually. Additionally, the editor of the National Council for Geographic Education's *Perspective* asked for permission to publish one of the articles each month, beginning in October of 1988 with “Dust Bowl” (Oct. 1988, vol. 16, No. 6, pp. 8-9). To date, the *Perspective's* editors have published about 125 GITN articles over more than 20 years.

Over the years, several small newspapers published *Geography in the News* articles, including the *Watauga Democrat* (NC), *North Wilkesboro Journal Patriot* (NC), *Bedford Gazette* (PA), and the *Transylvania Times* (NC). The *Transylvania Times* is the longest-running publisher of GITN, with almost 20 years and 900 articles.

In 1999, Lineback began publishing GITN digitally. The column was then made available to teachers over the Internet as part of a classroom package of teaching materials called *Maps101*.

Lineback retired from Appalachian State University in 2005, serving his final year as Interim Dean of the College of Arts and Sciences and completing a 40-year career in education. Throughout his years at ASU, however, he continued to write his weekly column (except for the summers in the early years). In 2007, he brought his daughter Mandy Gritzner aboard as a researcher and co-author, gradually merging her into the GITN system. Mandy is a geographer with a graduate degree from Montana State, international experience in the Peace Corps (Bolivia), and a book and professional articles to her credit.

By 2008, GITN was available online to more than 3,500 subscribing schools and colleges and used in 87,500 classes/classrooms with an estimated potential weekly readership of 2.1 million students, teachers,



Lineback with daughter and co-author Mandy Gritzner.

parents, and administrators. Adding the potential readers of the newspapers, journals, and newsletters carrying GITN, weekly readership is estimated at 2.3 million.

Appalachian State University has supported GITN with matching financial

assistance for undergraduate cartographers and occasional release time. Maps.com has provided financial and internship support. ASU's News Director, Jane Nicholson, has served as technical editor of GITN articles for nearly two decades.

Over the years, *Geography in the News* and Lineback have won numerous international, national, regional, and local awards from such groups as Travelocity, Association of American Geographers, National Council for Geographic Education, Southeastern Division of the Association of American Geographers, and the North Carolina Geographical Society.

Crisis Mapping Sites Assist Haiti Relief

Online crisis mapping platforms provided significant assistance in rescue and relief efforts in Haiti following the recent earthquake that devastated the country. On-the-ground reports submitted via text message, email, or Twitter to sites such as www.ushahidi.com or www.geocommons.com were collected and transformed into maps capable of illustrating Haiti's changing landscape in real time. Maps could show distribution points for relief supplies, blocked

roads, hospitals, places of entrapment, makeshift encampments, and the location of active looting incidents. In addition, by aggregating thousands of data points, patterns of destruction could be visualized, restoring a sense of order to the chaos and assisting in the organization of rescue and relief efforts. The Second International Conference on Crisis Mapping (ICCM 2010) will take place in Boston, October 1-3 (www.crisismappers.net).

Order tickets for the Annual Awards Luncheon by using the form on page 30.

Matching Geographic Need to Health Care Reform

The ongoing national debate on health care reform has raised many significant issues. These have included long and short term economic impacts, the availability of a public option for insurance purchases, and potential effects on the future of quality of health care delivery. Of the many issues debated, one is primarily geographic in nature: the public's right to access of affordable, quality health care. Unfortunately, one little understood and often overlooked geographical aspect of health care that has not received much attention in these debates and fails to make headlines is that of Americans' access to oral health services.

One of the few times poor oral health has made the news recently was in 2007, when a twelve-year old Maryland boy died as the result of not receiving timely and appropriate treatment for an infected tooth. This regrettable incident was unfortunately characterized as unusual and isolated, but the larger truth is that lack of access contributes to poor oral health with devastating effects for millions of individuals and the nation as a whole.

Poor oral health has been linked to a variety of other health outcomes. Tooth decay and associated pain interfere with daily activities for between four and five million U.S. children and adolescents each year. Research has shown that chronic oral infections can lead to heart and lung diseases, diabetes and stroke, as well as premature births and low birth weights, according to a report by the U.S. Surgeon General, *Oral Health in America*.

The cost of providing adequate dental care is significant. However, the price paid by people without appropriate care is tremendous in terms of pain and risk of other devastating health outcomes. Inability to secure employment is only one side effect. The cost to the nation of failing to provide adequate dental care is enormous both in terms of lost productivity and the cost of paying for these services for the unemployed, underemployed, and uninsured.

Access to treatment is of course limited by ability to pay. For those Americans who do not have dental insurance or are dependent on Medicaid to pay for dental services, the problem can be finding a dentist willing to accept what Medicaid's limited reimbursements. According to Burton Edelstein, Director of the Children's Dental Health Care Project, one of the biggest reasons that dentists do not see Medicaid patients is that the reimbursement does not cover the cost of care. Sheldon Wheeler, President of the Kennebec Valley Dental Coalition, which runs the not-for-profit Center for Community Dental Health in Portland, Maine, argues that a dentist coming out of school with extensive debt in student loans and set-up costs for a new practice cannot see patients for whom only 43 percent of their cost is paid. Wheeler uses his clinic as an example. Having billed Medicaid for \$345,000 worth of services, they have received only \$150,000 in payments.

Census Bureau data released last fall clearly indicated the enormity of existing geographical inequalities in health care insurance coverage across the United States, and numerous studies have described the lack of quality health care available by location, even for those who can afford it. Rural communities face even greater challenges when it comes to providing health care. According to the National Rural Health Association, while about 25 percent of Americans live in rural areas, only about 10 percent of the nation's physicians practice in these communities.

In the U.S., 60 dentists per 100,000 population practice in urban areas compared to only 40 per 100,000 in rural areas. As a result, practices in rural communities are overburdened and often cannot accept new patients. Long waits (often months) are common for an appointment. Distances traveled for all services in rural America are substantial. Community health centers are intended to address some of this need. However, while physicians are available dentists often are not. Thus the travel time

required to receive dental care is only one barrier. Travel time adds to the cost of a dental visit, in some cases requiring a full day which can translate into a full day's pay for those employees who have no paid sick time. Rural residents are less likely to have employer based health care and are less likely to make use of Medicaid benefits. One proposal often discussed during health care debates in Washington involves expanding Medicare. However, Medicare does not cover dental services.

The current health reform bill does provide \$30 million to educate new dentists and gives dental schools access to monies previously available only to medical schools for grants and faculty development. The current bill also establishes an oral health prevention program that will focus on key populations, pregnant women and children. In addition, needs of rural communities are addressed by providing grants for demonstration projects that would offer alternative dental health providers.

While these provisions are useful, a larger problem that remains – and that health care reform has failed to address – is that the distribution of dentists across the nation fails to match the distribution of the population. Educating more dentists, as the health care bill tries to encourage, is certainly important; however, if they are unwilling or unable to practice in rural areas, access will still be limited for millions of Americans in need. These issues can still be addressed as health care reform debates continue. However, legislators must understand that reform must lead to practices that are sustainable. If structured properly, funding for loan forgiveness and tax incentives that would encourage dentists to locate in rural areas would be useful in providing underserved populations with needed care.

Cathleen McAnney
University of Maine, Farmington

George Anglade

George Anglade, distinguished Haitian-Canadian geographer, political activist and author, died on January 12 as a result of injuries sustained during the Haitian earthquake. His wife of 43 years, Mireille Neptune, a vocal feminist, French teacher, and United Nations diplomat, also perished in the disaster.

Anglade was born on July 18, 1944. Upon completing degrees in his hometown of Port-au-Prince at the École Normale Supérieure and the Faculty of Law, he went on to obtain his PhD at the Center for Applied Geography in Strasbourg, France, in 1965. Anglade subsequently became a professor of social

geography at l'Université du Québec à Montréal (UQAM). He retired from that university in 2002.

A renowned political activist, Anglade was twice imprisoned and exiled from Haiti under its former dictatorship, but that did not prevent him from maintaining strong ties with his homeland. He not only helped to lead Haiti's democracy movement but also served as the Minister of Public Works in the Aristide government. He was an advisor to current president René Preval.



Anglade

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Anglade liked to define himself as "a man in three pieces" – geographer, politician and writer. As an engaged political writer, he authored more than 30 books (both fiction and non-fiction) in which Haiti occupies a central place. As a writer of short stories, Anglade was known for explosive, comic fiction. He influenced the evolution of modern Haiti and was one of the leading writers produced by the close relationship between Haiti and Canada.

Grants and Awards Received

Rebecca A. Buller was the 2009 recipient of the Hewes Award in Geography at the University of Nebraska-Lincoln (UNL). The award recognizes Buller's outstanding dissertation, "Intersections of Place, Time and Entertainment in Rural Nebraska in the late 19th and early 20th Centuries." Her research was completed under the supervision of David Wishart. The Hewes Award honors the memory of Leslie Hewes, a member of UNL's Geography faculty for nearly 30 years who served as Chair from 1948-1968.

Heejun Chang, Associate Professor of Geography at Portland State University, has been working on two recent research projects on climate change. The first project, serving as a lead PI, is titled "Integrated water and land planning as a climate adaptation strategy: Comparisons of Portland, Oregon and Phoenix, Arizona" funded by the National Oceanic Atmospheric Administration. The \$300,000 grant is a collaborative research, involving in multi-disciplinary scientists and regional

water providers from Portland State University (**Vivek Shandas** and **Jiunn-Der Duh**), Arizona State University (**Patricia Gober**, **Kelli Larson**, **Anthony Brazel**), and Clark University (**Colin Polsky**), University of Washington (**Eric Salathé**), and the Portland Water Bureau (**Hossein Parandvash** and **Lorna Stickel**). Chang also received a \$175,000 curriculum development grant as a co-PI titled, "Interactive Teaching Materials for Understanding Ecological Response from Climate Change in Urban Forests," from the National Science Foundation. He has been working with two ecologists, **Marion Dresner** and **Catherine de Rivera**, from the Environmental Sciences and Management Department of Portland State University, to develop interactive instructional materials for introductory physical and environmental sciences courses.

The USDA Forest Service Geospatial Service and Technology Center has been awarded the first-ever Henry Gannett Award by the USGS, for distinguished contributions to the

topographic mapping of the nation. Gannett was a founder of the AAG and later served as vice president. He established the topographic mapping program at USGS, directed the federal government's initial efforts to identify, geographically delineate, and map the forest reserves (prior to the creation of the Forest Service), and also served as research director for President Theodore Roosevelt's National Conservation Commission.

Geographer **Dawn Wright** of Oregon State University is part of a multidisciplinary team headed by Industrial Economics, Incorporated, that has just been awarded \$850,000 by the U.S. Department of Interior Minerals Management Service for the contract entitled, "Identification of Outer Continental Shelf Renewable Energy Space-Use Conflicts and Analysis of Potential Mitigation Measures." The project will examine coastal and offshore use conflicts on both the east and west coasts and recommend specific measures to avoid or mitigate competing uses.

Members of Note

Heejun Chang, Associate Professor of Geography at Portland State University, recently gave a talk on climate change policy at a conference on prospects for expanding the U.S.-ROK partnership hosted by the Center for Northeast Asian

Policy Studies at Brookings Institution and the Center for U.S.-Korea Policy at The Asia Foundation. He emphasized geographer's role (such as global change in local places, spatially-explicit climate change impact assessment, intelligent spatial

planning, etc.) in researching climate change mitigation and adaptation.

The conference was video taped by C-SPAN, available at www.c-spanarchives.org/program/291081-1.

AAG Field Trips at the 2010 Annual Meeting in Washington, D.C.

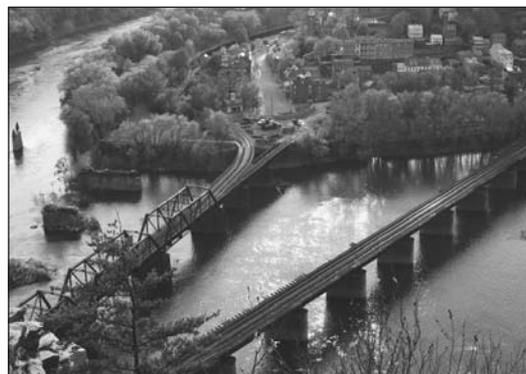
Field trips are always an integral part of AAG meetings, offering unique opportunities to explore places and topics of common interest with colleagues. Below is the list of field trips (current at press time) for the 2010 AAG Annual Meeting in Washington, D.C. Additional field trips are under development. For pricing, see the registration form on page 17.

1. Coastal Geomorphology and Processes of Barrier Islands along the Eastern Shore of Virginia-Maryland: Parramore, Cedar, and Assateague Islands

Sunday, April 11, 2:30pm – Tuesday, April 13, 6:00pm. Organizers/Leaders: Randy McBride, George Mason University, Thomas R. Allen and Paul Gares, East Carolina University.

This 2½ day field trip will examine the Holocene evolution and coastal barrier islands of the Virginia and Maryland Eastern Shore, including the Virginia Coastal Reserve of The Nature Conservancy, Assateague Island National Seashore, and Chincoteague National Wildlife Refuge. Beginning with a boat ride from Wachapreague over to Parramore Island, we will explore the natural habitats and geomorphic features of the island by foot, then get in boats again and cruise across Wachapreague Inlet, a classic tide-dominated tidal inlet characterized by a large ebb tidal delta. We also will examine Cedar Island. Moving farther north, we will climb the Chincoteague Lighthouse to view the large recurved spit complex along the southern end of Assateague Island. Coastal management and policies issues will be addressed throughout the field trip. (For a more detailed description please visit the AAG website.)

Participants should be prepared for extensive walking on flat terrain, climbing 150 lighthouse



Harper's Ferry is just a short drive from Washington, D.C.

CREDIT: ISTOCK

steps, and getting in/out of boats. Dinner on 4/11 and breakfasts on 4/12 and 4/13 are included in the price of the field trip. All other meals (two lunches and a dinner) are not included and must be paid out of pocket by each participant (~\$35.00).

2. Physical Geography and the Harper's Ferry and Antietam Battlefields

Tuesday, April 13, 7:45am – 6:00pm. Organizers/Leaders: Bryon Middlekauff, Plymouth State University, Kurt Schroeder, Plymouth State University.

Robert E. Lee's army met Union forces at Harper's Ferry, Virginia and Antietam in mid-September, 1862. We will examine site and situation of Harper's Ferry, the Potomac and Shenandoah juncture, the city's well-preserved downtown, the battle, and the area's physical geography. At Antietam, we will have an overview provided by a ranger, then visit a number of important sites on the battlefield. Participants must prepare for temperatures from 45-80° F and rain with layered clothing and sturdy shoes. A box lunch, snacks, and drinks will be provided. This field trip will depart the Marriott promptly at 7:45am.

3. The Late Quaternary Loess and Archaeological Record of the Delmarva Peninsula

Tuesday, April 13, 8:00am – 4:00pm. Organizers/Leaders: Michael A. O'Neal, University of Delaware, Darrin Lowery, University of Delaware.

In Talbot County, Maryland, we will visit Miles Point, which has two well-dated distinct loess deposits. Buried archaeological remains have been found in the upper portion of the earlier loess deposit. On Tilghman Island, we will visit a small eroded bank profile near Paw



Wild ponies are a common sight on Assateague Island.

CREDIT: ISTOCK

Paw Cove with a loess deposit covering an LGM-age upland pond deposit that has revealed some Pleistocene vertebrate remains. Clovis-age archaeological materials have also been excavated beneath the younger loess deposit

at Paw Paw Cove. In Dorchester County, we will visit Oyster Cove, which also has two distinct loess deposits. Archaeological remains have also been found beneath the younger loess deposit at Oyster Cove. Finally, we plan to end our excursion back in Washington D.C. at the Smithsonian Institution's Museum of Natural History for a presentation by Dr. Dennis Stanford on the archaeological significance of these discoveries.

4. From DC's Dairy to DC's Wine Country: the Changing Agriculture of Loudoun County, Virginia

Wednesday, April 14, 7:30am – 6:30pm. Organizers/Leaders: Patrick J. Ryan II, Loudoun County Department of Economic Development, Larry Stipek, Loudoun County Office of Mapping and Geographic Information.

This tour will visit several farms in Loudoun County, Virginia. Home to Dulles International Airport and only 25 miles from Washington, D.C., Loudoun is one of the nation's fastest growing and wealthiest counties. In the morning the tour we will visit Endless Summer Harvest, a hydroponic lettuce, greens, and herbs farm; Loudoun Nursery, a specialty tree-growing farm; and Wheatland Vegetable Farms, an "ecogonic" vegetable farm. Lunch will be at Magnolias at the Mill in Purcellville, Loudoun's historic agricultural center. The afternoon will feature trips to Corcoran Vineyards and Fabboli Cellars, two of Loudoun's 24 wineries, and the historic village of Waterford.

Continued on page 14

5. Birding and Nature Walk in Rock Creek Park

Wednesday, April 14, 7:30am – 9:45am.
Organizers/Leaders: Cathy Cooper, National Geographic Education Foundation, Neal Fitzpatrick, Audubon Naturalist Society, John Bjerke, Audubon Naturalist Society.

We will walk from the hotel to a stretch of this urban park, which attracts a variety of migrating songbirds. Other features include geologic outcrops, 18th century mill, and the possibility of herring migrating up Rock Creek. We will hear the story of changing uses of the stream and its restoration and conservation. Guides are knowledgeable naturalists and birders of the region. The walk is approximately two miles on paved and gravel trail. Dress for the weather. Bring binoculars.

6. Human-Nature Interaction on the Eastern Shore of Chesapeake Bay

Wednesday, April 14, 8:00am – 6:30pm. Organizers/Leaders: Gina Bloodworth and Alex Aguilar, Salisbury University.

This field trip explores the various layers of human interactions with the decidedly non-urbanized Eastern Shore of the Chesapeake Bay, which provides a stark contrast to the heavily urbanized Western Shore. From a historical and scalar perspective, we look at different layers of human patterns dating from the oldest town in Maryland (established in 1635) to the ultra-secluded enclave of wealth at St. Michael's Island, to Cambridge, and a water-based boat economy. We will explore the cultural landscape evidenced by a mosaic of forest, agriculture, and suburban development. Lastly, we will take in the Eastern Shore both as a nature lover's paradise with its bay, rivers and wetlands (the Bay Country), and as manufactured landscape dotted with pine plantations and industrial-scale chicken farms.

7. Post-Tobacco Southern Maryland: Agricultural Heritage and Transition

Wednesday, April 14, 8:00am – 3:30pm. Organizer/Leader: Richard A. Russo, Department of Geography, University of Maryland.

Southern Maryland's agricultural economy was dominated by tobacco production until 2000, when the state of Maryland instituted a buyout program to effectively end tobacco



Covered bridges dot the rural Maryland landscape.

CREDIT: ISTOCK

production in the state. The region has experienced significant residential and commercial growth in the past 50 years. The disappearance of the region's cash crop, coupled with development pressure, has prompted the region to focus on conserving its agricultural landscapes by rethinking its agricultural economy. In this field trip, we will learn about the challenges and opportunities that have come as a result of the tobacco buyout.

24. DC In a Day!

Thursday, April 15, 8:00am – 7:00pm. Organizers/Leaders: Kevin Patrick, Indiana University of Pennsylvania.

Washington is a grandiose inside-out museum of American Political Culture, a place where even capitalism is subservient to symbolism and iconography. In the place of free market skyscrapers, Washington has a big lawn bound by monuments to the promise of greatness. Despite Washington's particular penchant for classical forms, the iconography of monumentalism changed continuously over the last two centuries, and examples from many different periods abound. This field trip crams DC into a day, revealing the stories and symbolism of the city in the monuments, buildings and landscapes that have accumulated within the ten-mile square district that functions as the nation's curio cabinet.

8. Columbia Heights: Walking Tour by Regional Development and Planning Specialty Group

Thursday, April 15, 1:30pm – 3:30pm. Organizers/Leaders: Rajrani Kalra, California State University, San Bernardino, Patricia Zingsheim, Associate Director of Revitalization and Design DC Office of Planning, Jennifer Pomeroy, University of Maryland, College Park.

The tour will focus on the Columbia Heights Metro Transit Oriented Development Area. It will focus on several major

development projects, investments in public facilities, public space, and transit improvements points that include the Kenyon Square, DC-USA, Tivoli Theater, and Bell/Lincoln Multicultural School.

9. Right to the City: Walking Tour of Speculation

Thursday, April 15, 3:00pm – 5:30pm. Organizers/Leaders: Kathryn Wells, Syracuse University, Amanda Huron, The Graduate Center, City University of New York, Linda Leaks, Empower DC.

As part of the Right to the City sessions, this "Walking Tour of Speculation" will lead participants through an afternoon of exploration and conversation in the Columbia Heights neighborhood of D.C. Columbia Heights has undergone rapid change in recent years, including the construction of D.C.'s first Target store, and has been the subject of many city-wide debates about affordable housing. Longtime local activist Linda Leaks of Empower DC will direct this two-hour tour of development, gentrification, and other struggled-over sites of speculation. Columbia Heights is only 10 minutes by bus from the conference hotel. This tour is sponsored by the Urban Geography specialty group, the Social and Critical Geography specialty group, and the People's Geography Project. Please bring \$2 to cover your bus fare.

10. Slavery, War, and a Town Transformed: Exploring Fredericksburg's Cultural Landscapes

Friday, April 16, 8:30am – 5:00pm. Organizers/Leaders: Stephen P. Hanna, University of Maryland Washington, John Hennessy, Chief Historian, Fredericksburg-Spotsylvania National Military Park.

This trip will explore the historic landscapes of Fredericksburg, Virginia, and the collective memories they represent. The itinerary includes: a walk along Sunken Road, a carefully crafted scene from the Battle of Fredericksburg; a walking examination of "Old Town" emphasizing how slavery is hidden and visible in the townscape; and a lunch-time session with the National Park Service's new "Virtual Fredericksburg" – a 3-D interactive map that is both virtual tour guide and a database of historic documents, images, and modern media. Wear good walking shoes and be prepared to walk several city blocks during the day.

Continued on page 15

AAG Field Trips continued from page 14

11. Geographies of the Holocaust: Special Tour of the U.S. Holocaust Memorial Museum

Friday, April 16, 9:00am – 2:00pm. Organizers/Leaders: Anne Kelly Knowles, Middlebury College, Robert Ehrenreich, U.S. Holocaust Memorial Museum, Alberto Giordano, Texas State University.

This field trip will begin with a guided tour of the U.S. Holocaust Memorial Museum's permanent exhibit by Museum staff (9:30 – 11:00am). The tour will be followed by a presentation by Alberto Giordano and Anne Kelly Knowles, leaders of the Holocaust Historical GIS research project, explaining the genesis and development of the project, its major findings to date, and the Museum's involvement. The presentation will be followed by a tour of the Museum library and archives. Participants may purchase lunch at the Museum cafeteria before returning to the conference.

12. Maryland Piedmont Winery Experience

Friday, April 16, 9:00am – 5:30pm. Organizers/Leaders: James DiLisio, Towson University.

This field trip will include visits to two Maryland wineries with tours and tastings. The first leg of the itinerary goes from the conference hotel to the Black Ankle Vineyards in Mt. Airy, Maryland. The trip will continue east across the piedmont to Towson, Maryland for lunch at Towson University's Berkshire Conference Center. The luncheon, served with Maryland wine, will feature a speaker, Kevin Atticks, Executive Director of the Maryland Wineries Association. Atticks will give an overview of wine production in Maryland and the region.

After lunch the trip continues just a short distance north of Towson to Boordy Vineyards in Hydes, Maryland. As the group spends the day crossing the Maryland Piedmont, tour leader Jim DiLisio will offer some relevant geographic



Several field trips will include visits to area wineries.

CREDIT: ISTOCK

comments on the wine industry. Maryland Public TV is providing a video on the Maryland wine industry to be viewed along the way.

22. Issues in Culture, Place and Representation: The Smithsonian National Museum of the American Indian

Friday, April 16, 10:00am – 2:30pm. Organizer/Leader: Doug Herman, National Museum of the American Indian.

How do you take objects of a culture and present them in such a way as to have others understand that people and their place? How do you present peoples considered to be "of the past" as living cultures today? This trip to the National Museum of the American Indian will include guided tours and lectures to two main galleries: "Our Universes" presents case studies of six American Indian communities, their understandings of their place in the cosmos, and the ways in which their material and intangible cultures reflect those values; and "Our Lives," which presents perspectives of six Native communities today, addressing questions of identity, government policy, and cultural survival. Lunch will be at participants' expense in our famous Mitsitam cafe featuring regional-based Native cuisine (prices range from \$8 - \$15 and up). The trip will conclude with a presentation and discussion of NMAI's Indigenous Geography project.

13. Columbia Heights; Gentrification, Immigration, Segregation, and Historic Victorian Homes

Friday, April 16, 3:00pm – 7:00pm. Organizer/Leader: Derrick Scott, University of Maryland, College Park.

This field trip is a walk from Columbia Heights to U Street. We will depart from the Marriott, taking the Metro from the Woodley Park stop. We will examine gentrification and the recovery of the city 40 years after the riots that burned more than 200 buildings. There are issues of immigrant populations, long time low-income residents, and upwardly mobile residents who have all made this their home. We will look at architecture and urban planning from the turn of the century and compare it to the new architecture and city designs that are sharing the same space. U Street was historically a segregation line and was locally known as the "Black Broadway."

It was the center for the arts in African-Americans across the nation and we will look at its changing dynamics. The trip will end with a meal in "Little Ethiopia." Participants should expect to spend approximately \$15.

14. Boundary Stones of the District of Columbia

Saturday, April 17, 9:00am – 5:00pm, Organizers/Leaders: Douglas and Terri Batson, MGSG.

The Federal District of Columbia is perhaps best known to tourists for its impressive monuments. The very first Federal monuments were boundary stones, placed at one mile intervals during a historic 1791-92 survey, to demarcate the 100 square miles of land donated by Maryland and Virginia. The tour will visit up to 10 of the 40 boundary stones in Northwest D.C. – Alexandria, Arlington, and Falls Church, Virginia – that even today form political boundaries and traffic patterns. Following a historical site visit, the group will have lunch in an Old Town Alexandria restaurant (lunch not included in field trip cost).

15. Field Trip to the Library of Congress, Geography and Map Division and Prints and Photographs Division

Saturday, April 17, 9:00am – 12:00pm. Organizers/Leaders: Ed Redmond, Geography and Map Division, Library of Congress, Barbara Orbach Natanson, Prints and Photographs Division, Library of Congress.

The Geography and Map Division and the Prints and Photographs Division of the Library of Congress welcome AAG attendees to two open houses on Saturday April 17 in the James Madison Memorial Building, diagonally across from the Capitol South Metro (subway) station on Capitol Hill. Both open houses are open to anyone (including spouses) with an AAG conference badge.

The Geography and Map Reading Room (LM B-02) will host a unique display of both modern and historic maps, atlases, globes, and terrain models, dating from the 14th century to 2010. In addition to the display, the Geography and Map Division will offer "behind the scenes" guided tours of the Library's rich cartographic collections that are a treasure trove for modern geographers, historical geographers, and anyone with an interest in geography/cartography. The Prints and Photographs Reading Room (LM-337) display will

Continued on page 16

highlight research opportunities in its holdings of photographs, architectural documentation, prints and posters. The open house will feature some of the riches of the Prints and Photographs Division and suggest ways to explore the holdings both online and on site.

Both open houses are free but transportation from the conference hotel to the Library of Congress will not be provided. For additional information contact Ed Redmond, Geography and Map Division, Library of Congress, at ered@loc.gov.

16. Two Decades of New Urbanism: Regional Development and Planning Specialty Group Tour of the Kentlands

Saturday, April 17, 9:00am – 1:00pm. Organizer/Leader: George Pomeroy, Shippensburg University of Pennsylvania, Bridget Ryder, Kentlands Foundation.

Whether in terms of age, scale, or significance, The Kentlands is the world's premier example of New Urbanism. It serves as both a living laboratory for the philosophy of New Urbanism and as an illustration of the principles traditional neighborhood planning. Based on the architectural visions of Andres Duany and Elizabeth Plater-Zyberk, the development is now a fully built out community with an active community foundation. It has been featured in numerous national and international publications and documentaries for its planning significance. The field visit consists of a 90-minute walking tour of the development led by the Kentlands docents.

17. Wine Tasting, Gourmet Lunch at Salamander, and Visit of the Chrysalis Vineyards

Saturday, April 17, 10:30am – 5:00pm. Organizers/Leaders: Denyse Lemaire, Rowan University, Percy Dougherty, Kutztown University.

Discover the geology of the Piedmont Region of Virginia, visit the Chrysalis and Breaux Vineyards, attend two wine tastings, and enjoy a gourmet lunch at Market Salamander in Middleburg, Virginia.

23. The National Mall as it Was, Is, and Might Have Been

Saturday, April 17, 11:00am – 3:00pm. Organizers/Leaders: Sarah Luria, College of the Holy Cross, Phillip Kennicott, Culture Critic, Washington Post.

The National Mall was once planned to extend from the shore of the Potomac to

the shore of the Anacostia, cutting across the point of land on which Washington sits. It would connect the monuments to the rivers that inspired the siting of the capital. The Potomac shore used to reach the foot of the Washington Monument. The Lincoln Memorial sits on landfill. Join Washington historian Sarah Luria and *Washington Post* culture critic Philip Kennicott for a bus and walking tour of the geography of the Mall, as we review what it might have been and what it has become. Please bring extra money for lunch.

18. African American History and Archaeology in the Kalorama Neighborhood of Washington, DC with National Geographic

Saturday, April 17, 12:00pm – 2:30pm. Organizer/Leader: Sean O'Connor, National Geographic Education.

This guided walking tour will visit sites important to African-American heritage in Washington, D.C., including stops at Kalorama Park, recently named by the National Park Service as a National Underground Railroad Network to Freedom site. The tour will end at Walter C. Pierce Community Park, the site of Washington's first Quaker cemetery and the city's largest African-American burial ground following the Civil War. Howard University archeologists will introduce participants to a non-invasive archeological survey of the site currently underway to determine where unmarked graves still exist so they may be protected and commemorated.

19. Forgotten Places: The Seminary at Forest Glen

Saturday, April 17, 1:00pm – 5:00pm. Organizer/Leader: Lauren Wagner, UCL Geography.

First built in 1887 as a hotel on higher ground to escape the humidity and insects of the Washington D.C., the Seminary at Forest Glen was a girls school for nearly 50 years before it was requisitioned at the outset of World War II as an annex of the (now infamous) Walter Reed Army Medical Center. For the past 30 years the unique architecture and historical value of this site has been subject to conservation debates, while it stands deteriorating out of sight of thousands of daily commuters – just behind trees that shield the National Capital Beltway.

20. Native American History and Archeology in the Washington, DC Area with National Geographic

Sunday, April 18, 8:30am – 2:30pm. Organizer/Leader: Sean O'Connor, National Geographic Education.

This trip will explore culturally rich sites in and around Washington, D.C. focused on Native American presence in the region from pre-history through to today. The morning will start with a visit to the Palisades Museum of Prehistory, with a tour from museum director Doug Dupin, who will then join the group for a hike along the Potomac River gorge to a prehistoric complex. The last stop will take participants into Rock Creek Park in Washington, D.C. to visit quartzite and steatite quarries left by the indigenous peoples of the area. Please plan to bring lunch and/or snacks, as these will not be provided and options may not be available on route.

21. Eckington Neighborhood History Walking Tour

Organizer/Leader: Brian D. Kraft, Independent Local Historian.

This lively and engaging tour covers a unique neighborhood in Washington D.C. Led by local historian, writer and guide Brian Kraft, this field trip is intended to accompany his presentation on Eckington in the Historical GIS session. Even if you skip that session, this is an opportunity to see a corner of Washington few ever visit. Participants will ride Metrorail from Woodley Park to New York Ave/Florida Avenue. We will walk about 2½ miles, so participants will need walking shoes and might care to bring a bottle of water and a small snack.

25. NASA Goddard Space Flight Center's Environmental and Engineering Test Facilities

Sunday, April 18, 8:30am – 2:30pm

This field trip will tour NASA Goddard Space Flight Center's Earth and Space Science facilities, including remote sensing operations. The visit will include a presentation by the LANDSAT project team and a tour of the Earth Science Control Centers, as well as tours of the Hubble Space Telescope and James Webb Space Telescope facilities. Space on the tour is extremely limited and will be available on a first-come, first-served basis.

See www.aag.org/annualmeetings for additional information on the 2010 AAG Annual Meeting, to be held April 14-18 in Washington, D.C.

AAG 2010 ANNUAL MEETING REGISTRATION FORM (www.aag.org)

Everyone who attends the AAG Annual Meeting must register. **You may use this form if you do not wish to register online, or if you wish to add events but have already registered for the meeting.** Space is limited for all events, field trips, and workshops. AAG reserves the right to cancel any event with insufficient enrollment. All fees are payable in US dollars, by check, money order, Visa, or MasterCard. All cancellation requests must be made in writing to meeting@aag.org by the stated deadlines. Cancellation requests received by January 6, 2010 will incur a 25% cancellation fee. Requests received by March 3, 2010 will incur a 50% cancellation fee. Requests received by April 2, 2010 will incur a 75% cancellation fee. *Requests received after April 2, 2010 cannot be processed.*

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*NAME OF COMPANION/SPOUSE who is registering (please indicate if field trip is for companion/spouse) _____

[If you are a "companion/spouse" of a registered attendee, you MUST be registered for the meeting in order to register for a field trip.]

Do you have any disabilities or special needs? Please explain: _____

I. REGISTRATION FEES	<i>Before 4/3</i>	<i>After 4/3</i>	Quantity	Price
<input type="checkbox"/> Check here if you have already registered for the meeting.				
Regular Member	\$265	\$315	_____	\$ _____
Student Member / Retired Member	\$145	\$185	_____	\$ _____
Non-Member	\$390	\$435	_____	\$ _____
Non-Member Student	\$215	\$235	_____	\$ _____
Companion / Spouse*	\$90	\$140	_____	\$ _____
One day registration	\$215	\$235	_____	\$ _____
TOTAL FEE(S) FOR REGISTRATION			_____	\$ _____

*Those registering under the companion/spouse category may not present a paper or participate as a panelist or session organizer, and must submit a paper form via fax or mail (not online).

II. WORKSHOPS	Quantity	Price
1. Earth System Monitoring (4/13)	_____ @	\$31.00 \$ _____
2. Teaching Practical Ethics (4/13)	_____ @	\$20.00 \$ _____
3. Modeling REDD-Baselines (4/13)	_____ @	\$31.00 \$ _____
4. Advanced Analysis with GIS (4/14)	_____ @	\$120.00 \$ _____
5. EDGE Workshop: Ethical Research (4/14)	_____ @	\$25.00 \$ _____
6. Geography in the Americas (4/14)	_____ @	\$15.00 \$ _____
7. Teaching with Data (4/14)	_____ @	\$0 \$ _____
8. Modeling Trade Areas (4/14)	_____ @	\$120.00 \$ _____
9. Wine Tasting of South American Wines (4/14)	_____ @	\$42.00 \$ _____
10. Writing Proposals for NSF (4/15)	_____ @	\$0 \$ _____
11. Establish Undergrad Research Program (4/15)	_____ @	\$10.00 \$ _____
12. Introduction to ArcGIS Server (4/15)	_____ @	\$120.00 \$ _____
13. Doctoral Dissertation Proposals for NSF (4/15)	_____ @	\$0 \$ _____
14. CGGE Workshop #1 (4/15)	_____ @	\$10.00 \$ _____
15. Advanced Topics in ArcGIS Server (4/15)	_____ @	\$120.00 \$ _____
16. CGGE Workshop #2 (4/15)	_____ @	\$10.00 \$ _____
17. CGGE Workshop #3 (4/15)	_____ @	\$10.00 \$ _____
18. Lake and Watershed Assessment (4/15)	_____ @	\$15.00 \$ _____
19. Polar Research Opportunities (4/15)	_____ @	\$22.00 \$ _____
20. CHANS: Progress & Prospects (4/16)	_____ @	\$15.00 \$ _____
21. EDGE Workshop: Future Faculty in Geog (4/16)	_____ @	\$23.00 \$ _____
22. Fulbright Scholar Awards (4/16)	_____ @	\$0 \$ _____
23. Integrating Imagery to GIS (4/16)	_____ @	\$23.00 \$ _____
24. EDGE Workshop: Departmental Climate (4/16)	_____ @	\$18.00 \$ _____
25. Writing CAREER Proposals for NSF (4/16)	_____ @	\$0 \$ _____
26. Wine Tasting of Virginia Wines (4/16)	_____ @	\$40.00 \$ _____
27. Bordeaux vs. New World Style Wines (4/16)	_____ @	\$40.00 \$ _____
28. EDGE Workshop: Planning/Advising (4/16)	_____ @	\$18.00 \$ _____
29. Writing Proposals for NSF (4/16)	_____ @	\$0 \$ _____
30. Hands on GPS Mapping (4/17)	_____ @	\$23.00 \$ _____
32. Land Change Modeling Methods (4/17)	_____ @	\$40.00 \$ _____
33. Census Data and TIGER/Line Shapefiles (4/17)	_____ @	\$18.00 \$ _____
34. EDGE Workshop: Academic Publishing (4/17)	_____ @	\$5.00 \$ _____
35. Teaching Geography (4/17)	_____ @	\$20.00 \$ _____
36. Human Geography in Action (4/17)	_____ @	\$TBD \$ _____
TOTAL FEE(S) FOR WORKSHOPS	_____	\$ _____

III. SPECIAL EVENTS	Quantity	Price
Awards Luncheon - individual ticket	_____ @	\$55.00 \$ _____
Awards Luncheon Table - 10 tickets	_____ @	\$495.00 \$ _____
TOTAL FEE(S) FOR SPECIAL EVENTS	_____	\$ _____

IV. FIELD TRIPS	Quantity	Price
1. Coastal Geomorphology (4/11)	_____ @	\$TBD \$ _____
2. Harper's Ferry and Antietam Battlefields (4/13)	_____ @	\$109.00 \$ _____
3. Delmarva Peninsula (4/13)	_____ @	\$87.00 \$ _____
25. NASA Goddard Space Flight Center (4/13)	_____ @	\$40.00 \$ _____
4. From DCs Dairy to DCs Wine Country (4/14)	_____ @	\$155.00 \$ _____
5. Birding & Nature Walk in Rock Creek Park (4/14)	_____ @	\$14.00 \$ _____
6. Eastern Shore of Chesapeake Bay (4/14)	_____ @	\$108.00 \$ _____
7. Post-Tobacco Southern Maryland (4/14)	_____ @	\$85.00 \$ _____
24. DC in a Day! (4/15)	_____ @	\$66.00 \$ _____
8. Columbia Heights: Walking Tour (4/15)	_____ @	\$26.00 \$ _____
9. Right to the City (4/16)	_____ @	\$5.00 \$ _____
10. Slavery, War, and a Town Transformed (4/16)	_____ @	\$79.00 \$ _____
11. Geographies of the Holocaust (4/16)	_____ @	\$19.00 \$ _____
12. Maryland Piedmont Winery Experience (4/16)	_____ @	\$113.00 \$ _____
22. Smithsonian Nat. Mus. - American Indian (4/16)	_____ @	\$8.00 \$ _____
13. Columbia Heights (4/16)	_____ @	\$10.00 \$ _____
14. Boundary Stones of DC (4/17)	_____ @	\$65.00 \$ _____
15. Field Trip to the Library of Congress (4/17)	_____ @	\$0 \$ _____
16. Two Decades of New Urbanism (4/17)	_____ @	\$50.00 \$ _____
17. Chrysalis Vineyards (4/17)	_____ @	\$90.00 \$ _____
23. The National Mall (4/17)	_____ @	\$36.00 \$ _____
18. African American History & Archaeology (4/17)	_____ @	\$5.00 \$ _____
19. Forgotten Places (4/17)	_____ @	\$31.00 \$ _____
20. Native American History and Archeology (4/18)	_____ @	\$72.00 \$ _____
21. Eckington Neighborhood History (TBD)	_____ @	\$5.00 \$ _____
TOTAL FEE(S) FOR FIELD TRIPS	_____	\$ _____

V. ABSTRACT CDs	Quantity	Price
<i>Abstracts are available online to all registrants at no charge. If you also wish to purchase a printed abstract CD, sign up here.</i>		
2010 Meeting Abstract CDs	_____ @	\$25.00 \$ _____
TOTAL FEE(S) FOR ABSTRACT CDs	_____	\$ _____

SUMMARY / PAYMENT

I. Registration Fee(s)	\$ _____
II. Workshop Fee(s)	\$ _____
III. Special Event Fee(s)	\$ _____
IV. Field Trip Fee(s)	\$ _____
V. Abstract CD Fee(s)	\$ _____
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Questions? Visit us at: www.aag.org or call (202) 234-1450

Please register online at www.aag.org or return this completed form along with payment to:
AAG 2010 Annual Meeting Registration
 1710 16th Street, NW, Washington, DC 20009 ♦ Fax: (202) 234-2744

D.C.'s Evolving Economy

Recent relocations of corporate headquarters to Washington, D.C., site of the 2010 AAG Annual Meeting, illustrate the region's success in attracting new businesses. In 2007, Volkswagen moved its U.S. headquarters from the Detroit area to Herndon, a suburb of Washington, D.C. in Northern Virginia. Volkswagen located in the D.C. area to be closer to the automaker's customer base in a business-friendly economic environment near a major international airport. In 2009, the Hilton Hotels Corporation moved their headquarters from Los Angeles to Tyson's Corner, another Northern Virginia suburb. State and local incentives were part of the explanation for the decision of the world's largest hospitality company to move to the area. Hilton also wanted to be in a major tourist destination and have access to an established pool of hospitality workers. In late 2009, the federal contractor SAIC Inc. revealed plans to move its headquarters from San Diego to McLean, citing the area's favorable business climate, highly skilled workforce, and good quality of life. The location in the Virginia suburb also puts the company close to its major client—the U.S. Department of Defense.

These moves are emblematic of the changing character of the region's economy—diversification and decentralization. Through most of the 20th century, the Washington, D.C. area economy was dominated by the federal government and the locus of economic activity was the District of Columbia. In recent decades, largely as a result of growth of federal government contracting, the area's economy became more economically diverse and geographically dispersed. The region's economy remains strongly linked to the federal government, but the economy now has a broader base and a more suburban geography.

The gross regional product (GRP) of the Washington, D.C. metropolitan area was \$393.4 billion in 2008, making it the fourth largest economy in the United

States. The region is home to more than 3.8 million jobs, 400 million square feet of private office space, two international airports, and a 106-mile subway system. The region is, of course, also home to the federal government, with 360,000 federal workers.

The Washington, D.C. metropolitan area consistently fares better than other regions during economic downturns. As the nation emerges from the worst recession since the Great Depression, the area is poised for quicker recovery than most other places. Benefitting not only from direct federal stimulus dollars, the area also benefits from new jobs created expressly for managing and monitoring federal stimulus money being distributed and spent all over the country. In addition, the high education levels of the region's workforce contribute to its resilience. Workers in the Washington, D.C. metropolitan area are among the most highly educated in the country. More than 46% have a bachelor's degree or higher and 22% hold a graduate or professional (i.e. law or business) degree.

Diversification and Decentralization

While the D.C. area economy is still strongly linked to the federal government, the tie has loosened and the breadth of regional economic activity has expanded in recent years. This economic diversification was driven in large part by a change in policy about the size and functions of the federal government in the 1980s. The Reagan administration instituted a major change in federal government operations by outsourcing privatizing many government functions. In FY1980, federal procurement spending in the Washington D.C. metropolitan area—that is, the amount of money the federal government spent on goods and services purchased from private companies in the region—totaled \$4.2 billion. In FY2008, federal procurement spending

in the region had increased dramatically, to \$66.5 billion.

Privatization of federal government functions and the ramp up in federal procurement spending led to a diversification of the region's economy. In 1970, 27% of jobs in the Washington D.C. metropolitan area were federal government jobs. In 2009, the share is less than 12%. The professional and business services sector has gained the most from the increase in federal procurement spending. This sector includes some of the region's highest paying jobs including engineers, IT professionals, computer technicians, and database managers. In 2009, nearly one quarter of all jobs in the region is in the professional and business services sector.

In 1970, the heart of the region's economy was in the District of Columbia, centered around the Capitol and the federal agencies. Over the past 40 years, while the regional economy has diversified through the growth in federal procurement spending, it has also decentralized. Private government contractors materialized throughout the Washington, D.C. region. When choosing where to locate, these companies generally looked to the suburbs. In 1970, 38% of the region's jobs were located in the District of Columbia. Over the past four decades, the suburbs have gained the majority of new job growth. In 2010, it is estimated that 24% of the region's jobs are located in the District of Columbia, while 44% are in Northern Virginia and 32% are in the Maryland suburbs. The suburbs have gained an even larger share of total GRP as a result of the growth of relatively high value jobs—more than three-quarters of the area's GRP is located in the Northern Virginia and Maryland suburbs.

The choice of suburban location is largely a function of proximity to the agencies the contractors served. Companies working with the Department of Defense (DoD)

Continued on page 20

Specialty Group News

Historical Geography SG

Student members of the Historical Geography Specialty Group (HGSG) are invited to submit proposals for the HGSG Student Research Award. The specialty group will grant two prizes in 2010. The awards will be \$400 for the Carville Earle Award recognizing research at the PhD level and \$200 for the Terry G. Jordan-Bychkov Award supporting Master's level research.

Students seeking funds to underwrite thesis or dissertation research should submit a two-page summary of their proposed research on a topic in historical geography. The statement should spell out the research question and how archival and/or field work is necessary to complete the project, and specify the archives collection and/or field research site to be utilized. The award may be used to cover travel and related research expenses. In addition to the two-page summary, applicants should include a short budget of estimated expenses. The student's major advisor must also submit a letter of support to the committee's chair that verifies the student is making progress toward conducting their research. A two-page report will be required upon completion of the funded portion of the project and will be published in *Past Place*.

Apply: Please submit your two-page proposal with budget via e-mail by **March 22, 2010**, to Dr. Ben Tillman, Chair, HGSG Student Research Awards committee, Texas Christian University, B.Tillman@tcu.edu.

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To update your address or contact info, visit the AAG website (www.aag.org) or fax this entire page to 202-234-2744 or mail to the AAG Office.

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located their offices in the Northern Virginia suburbs to be close to the Pentagon and DoD agencies. Health contractors located north of the District of Columbia in Montgomery County, Maryland to be accessible to the National Institutes of Health. Companies are also drawn to the suburbs by relatively cheap office space and proximity to an educated workforce. The Tyson's Corner area of Fairfax County in Northern Virginia has emerged as an economic focal point in the region, as has the I-270 corridor in Maryland, which has also experienced a surge of job growth in recent years.

The suburbanization of economic activity has important transportation and housing policy implications for the region.

The Washington, D.C. area is grappling with how to improve increasingly congested suburban roads through a combination of highway construction, more express and carpool lanes, and transit projects. The housing supply is not large enough to meet the demand of new suburban workers; local jurisdictions often put limits on growth of new residential development. Even as housing markets across the country continue to be in decline, prices in Northern Virginia have started to rise.

The Washington economy, once almost solely defined by the federal government presence and geographically concentrated in the District of Columbia, has expanded and diversified. As a result, this metropolitan area

is emerging as an important global business center, with a talented, highly educated workforce and a strong base of high value economy activity. The federal government continues to cushion the regional economy from the full effect of future economic downturns, while the growth of the private sector—particularly the professional and business services sector—will result in more robust economic growth. Washington, D.C. and its surrounding environs thus benefit from an economy that demonstrates both stability and growth—the best of both worlds.

Lisa A. Sturtevant
George Mason University
School of Public Policy

Call for Nominations: AAG Standing Committees

At the AAG Council's Spring 2010 meeting, held immediately prior to the Annual Meeting in Washington, D.C., the AAG Council will make new appointments to the set of AAG Standing Committees. These appointments will replace members whose terms expire July 1, 2010.

If you wish to nominate yourself or other qualified individuals for one or more of these vacancies, please notify AAG Secretary Lisa Harrington on or before **April 1, 2010** via e-mail (lbutlerh@ksu.edu).

Please ensure that your nominee is willing to serve if appointed. Include contact information for your nominee as well as a brief

paragraph indicating why he/she would be suitable for the position.

The list of number of vacancies (in parentheses) and topics of interest to committees: Archives and Association History (2), Committee on College Geography and Careers (4), Committee on the Status of Women in Geography (3), Constitution & Bylaws Committee (3), Enhancing Diversity Committee (2), Governmental Data and Employment Committee (1), Membership (3), Publications Committee (2), Scientific Freedom & Responsibility Committee, (2), AAG Awards Committee (2), AAG Globe Book Award Committee (1), AAG Meridian Book Award Committee (1),

AAG Mel Marcus Fund Committee (1), AAG Research Grants Committee (2), AAG Student Award and Scholarship Committee (3).

The AAG Secretary will also receive names for service on the AAG Nystrom Award Committee, to be appointed by the Fall of 2010.

The current charges for AAG Standing Committees may be found in the AAG Guide to Programs or online at <http://www.aag.org/Info/Committees%20List.pdf>.

Others who are interested in assisting with the World Geography Bowl Committee in Washington, D.C. should directly contact the Chair, Laurence Carstensen, at Virginia Tech (carstens@vt.edu).

Receive Your AAG Journals Online Only

If you would prefer to receive your Journals, *The Professional Geographer* and *The Annals of the AAG*, online only, and not to receive paper copies of the Journals, you may do so by logging into your online member profile and editing your personal information. At the bottom of your profile page you may check boxes to opt out of receiving paper copies of the AAG journals. AAG members will still have online access to all articles.

Please direct questions to Laura Miller at 202-234-1450 or lmiller@aag.org.

ADVERTISE IN THE AAG NEWSLETTER

The AAG Council has authorized the acceptance of advertisements for publication in the AAG Newsletter. All ads must meet AAG ethical standards and relate to the discipline or profession of geography. For more information on advertising in the Newsletter, please visit www.aag.org/ads.

Global Studies Association

The theme of the 2010 GSA conference is "Global Studies and International Relations: complementary perspectives or competing paradigms?" The conference will seek to probe the relationship between these two different approaches by asking whether the advent of Global Studies is an extension of International Relations, on a continuum with it, or does Global Studies represent what Foucault termed a new episteme, with the implication that International Relations and Global Studies cannot speak to each other for lack of a common language? Proposals for papers should take the form of a 300-word abstract and may be submitted on any aspect of the conference theme. Organizers will allocate papers to an appropriate panel. The deadline for submission of abstracts is **April 30, 2010**. Details of the conference are available at www.criticalglobalisation.com.

Home, Migration, City

The European Science Foundation (ESF) is co-organizing the following conference: "Home, Migration and the City: New Narratives, New Methodologies," to be held in Linköping, Sweden, August 6-10, 2010. Closing date for applications is the **April 16, 2010**. This conference is part of the

2010 ESF Research Conferences Program and is accessible online at www.esf.org/conferences/10317.

Forging Linguistic Identities

Organizers are now accepting papers for the conference, "Forging Linguistic Identities: Language in the Region, the Nation, and the World," to be held March 17-19, 2011, in Towson, Maryland. Language as a fundamental social instrument in the process of community and identity formation has been much studied in recent years. This conference seeks to examine language as socially embedded within historical and geographical contexts. Please send an abstract of 250 words by email to: Dr. George McCool (gmccool@towson.edu). Please include a short CV, maximum 2 pages, with your name, full address, institution affiliation, day telephone, fax and email address (For more information: <http://www.h-net.org/announce/show.cgi?ID=173183&keyword=forging&keyword=identities>). Deadline for submissions is **June 1, 2010**.

Las Navas 2010

Organizers of the 20th Anniversary Meeting on Cognitive and Linguistic Aspects of Geographic Space, to be held in

Avila, Spain, July 5 - 9, 2010, invite proposals for papers. Position papers and other short papers are especially encouraged. Full text submissions will be reviewed for possible inclusion in the conference preprints and presentations at the meeting. Authors will have an opportunity to revise their work after the conference, to be reviewed before inclusion in an edited book reporting the results of the meeting. The meeting will be held in the Castillo-Palacio Magalia (<http://magalia.mcu.es>), an historic castle about two hours by train from Madrid, in the hills towards Avila. For more information on submissions, visit www.geoinfo.tuwien.ac.at/lasnavas2010

2010 URISA/NENA

URISA and the National Emergency Number Association are now accepting abstract submissions for the 2010 URISA/NENA Addressing Conference. The conference – for GIS professionals, addressing coordinators, 9-1-1 and emergency response specialists – will take place in Charlotte, North Carolina, August 16-18, 2010. Three program tracks have been identified for the conference. Visit <http://www.urisa.org/addressing/2010charlotte> for more information and submission guidelines.

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Jobs in Geography

UNITED STATES

ARIZONA, TEMPE.

Assistant Professor in Urban Climatology. The School of Geographical Sciences and Urban Planning at Arizona State University seeks applicants with research and teaching interests in urban climate processes, particularly involving atmospheric processes and interactions with urban landscapes; of desirable focus is urban climatology in arid and semiarid regions.

While a range of techniques and methods are appropriate to address these topics, we are specifically targeting candidates with a strong quantitative/numerical modeling background and experience in data analysis from remote sensing platforms. A demonstrated track record in publication, teaching and acquiring competitive grants is preferred. Competence in teaching synoptic and/or dynamic meteorology as well as physical geography is required, contribution to teaching in remote sensing is desirable.

The position provides the opportunity to collaborate with a broad range of other faculty members within the School and across ASU, including the GeoDa Center for Geospatial Analysis and Computation, the School of Earth and Space Exploration, School of Sustainability, School of Human Evolution and Social Change, and the Ira A. Fulton Schools of Engineering. In addition, opportunities exist to participate in research projects at the Decision Center for a Desert City (DCDC) and the Central Arizona-Phoenix Long Term Ecological Research (CAPLTER) project. A PhD in geography, atmospheric science or related field by time of appointment is required.

Applications should include: 1) a cover letter that includes a description of the applicant's research and teaching interests & philosophy, 2) a current CV, 3) a writing sample, and 4) the names, addresses, e-mail and telephone numbers of three references. Inquiries and applications must be addressed to Luc Anselin, Director, School of Geographical Sciences and Urban Planning, and submitted electronically to geoplan@asu.edu. Submissions in pdf format are preferred. Review of applications

will start on January 1, 2010. Position will remain open until filled.

Arizona State University is an equal opportunity/affirmative action employer committed to excellence through diversity. Women and minorities are especially encouraged to apply. A background check is required for employment.

JAN 10-08

*CALIFORNIA, STANFORD.

Stanford University Postdoctoral Fellowship: Cultures of Nature in the American West. The Environmental Humanities Project, in collaboration with the Woods Institute for the Environment and the Bill Lane Center for the American West at Stanford University, seeks applicants for a postdoctoral fellowship focusing on cultures of nature in the American West. Applicants' research should focus on how cultures shape conceptions of nature, the

natural, species boundaries, uses of plants and animals and natural resources, the human body in its environmental dimensions, or environmental health and illness; how cultures of nature form and dissolve; how cultures map nature, literally and metaphorically; how cultures of nature rooted in particular places develop dimensions beyond that place (e.g. in the virtual realm); and what practical differences such cultures make for human uses of the environment and in shaping nature.

The postdoctoral fellow will be a leader in the Environmental Humanities Project, a new initiative at Stanford designed to develop an interdisciplinary community across departments, programs and research areas in the Humanities involving environmental issues. This community will also seek to build bridges to the social and natural sciences. Fellows should be committed to this goal and will be expected

"Jobs in Geography" lists positions available with US institutions who are Equal Opportunity Employers seeking applications from men and women from all racial, religious, and national origin groups, and occasional positions with foreign institutions.

Rates: Minimum charge of \$150. Listings will be charged at \$1.25 per word. Announcements run for two consecutive issues unless a stated deadline permits only one listing. The charge for running an announcement more than twice is one-third the original charge for each subsequent listing. We will bill institutions listing jobs after their announcements appear in JIG for the first time.

Deadline: JIG announcements must reach the AAG *before the first of the month* to appear in JIG for the following month (eg: 1 January for February issue). Readers will receive their Newsletter copies between the 5th and the 15th of the month. Schedule job closing dates with these delivery dates in mind.

Format: Announcements should be sent as an attachment or in the body of an e-mail to jig@aag.org. The announcements must be saved in Microsoft Word 5.0 or greater, or Corel WordPerfect 6 or greater. No job announcements accepted by phone. Follow format and sequence of current JIG listings. All positions are full-time and permanent unless otherwise indicated. State explicitly if positions are not firm. Employers are responsible for the accuracy and completeness of their listings. JIG will not publish listings that are misleading or inconsistent with Association policy. Employers should notify the Editor to cancel a listing if the position is filled. The Editor reserves the right to edit announcements to conform with established format. All ads must be in English.

Display ads are also available. Ads will be charged according to size: 1/6 page (2 1/4" x 5") \$335; 1/3 page vertical (2 1/4" x 10") \$475; 1/3 page square (4 3/4" x 4 3/4") \$475; 1/2 page horizontal (7" x 5") \$625; 2/3 page vertical (4 3/4" x 10") \$750; Full page (7" x 10") \$900. Display ads run for one month only.

Affirmative Action Notice: The AAG Affirmative Action Committee requires job listers to send to the JIG Editor the name, academic degree, sex, and rank of each person appointed as a result of an announcement in JIG.

Geographer Available. A service for AAG members only. Send personal listings of 50 words or less, following the format of current listings. Listings run for two consecutive issues. Enclose \$25 with listing. A blind listing service is available - the editor will assign a box number and forward inquiries to the member listed.

* Indicates a new listing

to participate actively in building such a community. In addition, they will teach one class and participate in workshops and seminars. The appointment is for one year but may be renewed for an additional year. Applicants must have their doctoral degree in hand 30 days prior to the appointment start date.

The concept of "cultures of nature" is conceived broadly to include indigenous, ethnic, class-based, local, professional formations and subcultures. The American West is understood as the United States west of the Mississippi, western Canada, Mexico, and their interfaces with the Pacific region. We welcome applicants from anthropology, geography, history, literary and cultural studies, political science, sociology and urban studies, as well as candidates from the natural sciences with a strong interest in multidisciplinary methods and the humanities. We particularly encourage applicants who are interested in working with a variety of sources, including data, maps, images, and multimedia visualization techniques. Applicants should be comfortable working in a collaborative research setting. The fellowship research project will be developed by the candidate in collaboration with scholars from a variety of related disciplines, and will have an associated public outreach dimension.

For further information please contact Ursula K. Heise (uheise@stanford.edu), Professor of English, Director of the Program in Modern Thought and Literature and faculty coordinator of the Environmental Humanities Project, or Jon Christensen (jonchristensen@stanford.edu), Executive Director, Bill Lane Center for the American West, Stanford University.

Applicants should submit the following materials by April 1, 2010: Cover letter, CV, 1000-word project proposal, dissertation abstract, 25-page writing sample, three letters of recommendation.

Apply: Send application materials to: Prof. Ursula K. Heise, Department of English, 450 Serra Mall Bldg. 460, Stanford University, Stanford, CA 94305-2087.

FEB 10-38

DISTRICT OF COLUMBIA.

The Association of American Geographers has an opening for the position of **Senior**

Researcher at the AAG's office in Washington, D.C.

We seek an individual with strong research and writing skills who can contribute to AAG research, education, and outreach projects, including new federally funded projects related to professional development, careers, and diversity. The Senior Researcher will participate in the development of research instruments and protocols; travel several times a year to collect data; lead professional development workshops; evaluate materials with students and faculty in participating departments; interact constructively with academic and non-academic employer organizations; assist in preparing manuscripts for publication; and assist with a variety of project management tasks. The Senior Researcher will also work closely with AAG staff to support other AAG initiatives, meetings, and proposals.

A highly qualified candidate will have a PhD in geography; possess strong skills in qualitative and quantitative methods in social science research, including interview and survey analysis, and knowledge of GIS and/or spatial analysis; possess outstanding written and verbal communication skills; be highly organized and able to meet deadlines on multiple projects, and have strong interpersonal skills.

This is an excellent opportunity for a junior scholar, but we will also consider applications from senior level researchers. Salary is commensurate with experience. The AAG is an equal opportunity employer and offers a highly competitive benefits package and a collegial working environment.

Apply: Please send a letter of application, CV, sample publications, and contact information for three references via email to: Megan Overbey at moverbey@aag.org.

Applications will be reviewed until the position is filled.

OCT 09-121

MARYLAND, COLLEGE PARK.

Lecturer in Geospatial Sciences, Department of Geography, University of Maryland. Duties: Position in the Department of Geography for a full-time lecturer in geospatial sciences. This position is expected to start the Spring 2010 semester. We seek a candidate who will provide expert teaching support for the Master of Professional Studies in Geospa-

tial Information Sciences Program. Salary is commensurate with experience.

Qualifications: Minimum requirements are a PhD in geography or a related discipline by time of appointment and a demonstrated teaching record in GIS. The person chosen for the position will be broadly trained in both GIS and remote sensing. Proficiency in ESRI products is essential and programming skills is highly desirable. The courses to be taught may include: GIS modeling, spatial databases, GIS programming, geovisualization, and GPS. Experience in teaching at college-level and teaching online courses is preferred.

Apply: Submit letter of application and a resume with the names and telephone numbers of three references to: Liz Smith, Department of Geography, 2181 LeFrak Hall, University of Maryland, College Park, MD 20742 (lizsmith@umd.edu). For best consideration applications are due no later than January 15, 2010 but the search will continue until suitable candidates are appointed.

Applications from women and minorities are particularly sought. The University of Maryland is an Equal Opportunity Affirmative Action Employer. Further information on this position and on academic and research programs of the Department may be obtained from the address above and can be found at www.geog.umd.edu/gis.

JAN 10-05

MARYLAND, COLLEGE PARK.

Lecturer in Physical Geography, Department of Geography, University of Maryland. Duties: Position in the Department of Geography for a full-time lecturer in Physical Geography. This position is expected to start the Fall 2010 semester. We seek a candidate who is an excellent teacher and will provide expert teaching support for the Geography Department. The salary is commensurate with experience. The position is a full time 9 month appointment with the possibility of renewal.

Qualifications: Minimum requirements are a PhD in Geography or a related discipline by time of appointment and a demonstrated teaching record in physical geography. The person to be chosen for the position will be broadly trained in physical geography with a good understanding of biogeography, geomorphology, and climatology. The courses to be taught will be at the Geog 100-400 Level

(i.e. introductory through to senior classes) and may include: Geography of Environmental Systems, Geomorphology, Biogeography, Climatology, Hydrology and Causes and Implications of Global Change.

Apply: Submit letter of application and a resume with the names and telephone numbers of three references to: Liz Smith, Department of Geography, 2181 LeFrak Hall, University of Maryland, College Park, MD 20742 (lizsmith@umd.edu). For best consideration applications are due no later than January 15, 2010 but the search will continue until suitable candidates are appointed.

Applications from women and minorities are particularly sought. The University of Maryland is an Equal Opportunity Affirmative Action Employer. Further information on this position and on academic and research programs of the Department may be obtained from the address above and can be found at www.geog.umd.edu.

JAN 10-06

MARYLAND, COLLEGE PARK.

Three Faculty Positions (Open Rank), Department of Geography, University of Maryland. The University of Maryland (at College Park) Department of Geography invites applications for **three tenured or tenure-track faculty**, rank commensurate with experience. These positions are expected to start on or about August 2010. Salary and benefits are highly competitive, based on qualifications and experience. A PhD degree in geography, or in a related area of the social sciences, is required.

We are seeking the most outstanding candidates with an existing track record of publications and success in research grant applications, appropriate to rank. The successful candidates are expected to establish productive research programs, appropriate to a research-intensive institution.

Candidates are sought who will complement the Department's existing strengths in the **physical and human systems dimensions of global change** and should have demonstrable potential to further enhance the Department's national and international activities.

Applications should include a personal statement of background and experience relevant to the position, including research, teaching and service activities, a signed, dated Curriculum Vitae, reprints of selected

peer-reviewed publications, and names and addresses (including e-mail) of 3-5 referees.

For best consideration applications are due no later than January 15th, 2010 but the search will continue until suitable candidates are appointed. Applications from women and minorities are particularly sought. The University of Maryland is an Equal Opportunity Affirmative Action Employer.

Submit applications to: Liz Smith, Faculty Position Search Committee, Department of Geography, 2181 LeFrak Hall, University of Maryland, College Park, Maryland 20742-8225. Further information on this position and on academic and research programs of the Department may be obtained from the address above and can be found at www.geog.umd.edu.

JAN 10-07

MARYLAND, FROSTBURG.

The Geography Department at Frostburg State University seeks applications for a full-time tenure track position to begin Fall 2010 for a **Human Geographer** with interests in cultural and regional geography.

The successful candidate will teach advanced undergraduate courses that contribute to established departmental strengths and participate in the University general education program by teaching introductory cultural or human geography. A creative balance of classroom and field experiences is desired for our students. Normal teaching load is 12 credits per semester. Demonstrated teaching excellence, terminal degree, active service, student advising and engagement in research are required for retention, promotion, and tenure.

Minimum Qualifications: Applicants should have earned a PhD in Geography or closely related discipline, although ABD candidates will be considered for appointment as Instructor.

Preferred Qualifications: Preference will be granted to candidates able to offer a regional course(s) other than North America as well as courses that complement departmental strengths. Candidates with demonstrated successful teaching experience at the university level are preferred.

Situated in the mountains of Allegany County, Frostburg State University is one of the 13 institutions of the University System of Maryland. FSU is a comprehensive, residential regional university and serves as an

educational and cultural center for Western Maryland. The Geography Department administers undergraduate degree programs in Geography, Earth Science, Environmental Analysis and Planning, and Urban and Regional Planning. For more details, visit www.frostburg.edu/dept/geog. For more information, contact: Dr. Henry W. Bullamore, 301-687-4413, hbullamore@frostburg.edu.

Apply: email a letter of interest; vita; the names, email addresses, and telephone numbers of three professional references by February 1, 2010, to: humanresources@frostburg.edu. Include "Instructor/Assistant Professor of Geography (Position #10-010339)" in subject line.

Frostburg State University welcomes and encourages women and minorities to apply and seeks to recruit and retain a diverse workforce. FSU is an Equal Opportunity Employer. Appropriate auxiliary aids and services for qualified individuals with disability will be provided upon request. Please notify us in advance. www.frostburg.edu.

JAN 10-03

MICHIGAN, ANN ARBOR.

The Survey Research Center in the Institute for Social Research at the University of Michigan invites applications from outstanding candidates for Faculty Research Fellow appointments in any area of social science research including anthropology, demography, economics, education, geography, psychology, public health, social epidemiology, social work, sociology, survey methodology, statistics, and urban studies. Faculty Research Fellow appointments are designed to be commensurate and competitive with tenure-track academic or research appointments at any leading research University or organization, and are intended to lead directly into a Research Professor tenure-track career within the Survey Research Center. Joint appointments in appropriate academic departments and units at the University of Michigan are possible, with the majority of our senior research staff having such affiliations.

We seek to attract the very best early career social scientists whose interests and aspirations incline them toward a career in the world's leading academic social science research organization doing externally funded interdisciplinary social science research, often

focusing on original data collection, in our uniquely collaborative and supportive research environment. New PhDs, as well as those with research or academic experience beyond the PhD, are invited to apply. For more information on the Survey Research Center and the Faculty Research Fellows Program, including procedures for applying, please visit our website: www.isr.umich.edu/src.

Applicants may initiate the process by submitting a letter describing their scholarly activities and interests in SRC, along with a CV, names of three references, and one or two recent publications or working papers. Concurrently, applicants should request that the three letters of reference be sent directly to the email address below. Please send applications, letters of reference, and inquiries electronically to SRCSearch@isr.umich.edu and reference position #34254.

The University of Michigan is an Affirmative Action/Equal Opportunity Employer and is responsive to the needs of dual career couples. Women and minority candidates are encouraged to apply. Information on the Dual Career Program is available at www.provost.umich.edu/programs/dual_career.

JAN 10-18

MICHIGAN, FLINT.

Assistant Professor of Geography. The Department of Earth and Resource Science (ERS), University of Michigan-Flint invites applications for a tenure-track position at the Assistant Professor level beginning Fall 2010. Responsible for teaching undergraduate courses in Physical and Human Geography, Environmental Systems, and specialty courses which can include Applied GIS, Energy and Sustainable Systems, Environmental Planning, Urban Environment, and Natural Resource Management. A PhD in Geography, Natural Resources, Urban Planning, or related field is preferred, but ABD with a 1-year timetable to PhD completion is acceptable.

ERS has a comprehensive undergraduate program, with excellent teaching and research environments characterized by modern classrooms, well developed and maintained GIS and computing facilities, and access to one of the top research libraries in the world. Department faculty possess strong commitments to quality teaching and conduct active research in Energy and Sustainable Systems, Water Resources, and Urban Restructuring.

The University of Michigan-Flint is a regional campus of the University of Michigan with 8,000 students. Our riverfront campus offers the best of both worlds; the resources and support of an internationally recognized institution and a small interactive campus atmosphere.

Please send a curriculum vitae, a statement of teaching and research interests, and three letters of reference to: Marlos Scrimger, Earth and Resource Science Search Committee Chair, 516 Murchie Science Building, University of Michigan-Flint, Flint, MI 48502-1950. E-mail: mscrimge@umflint.edu. For a view of our department, please see www.flint.umich.edu/ers.

Application deadline is February 15, 2010 or until position is filled. For additional information, please consult our website at www.umjobs.org. At detailed search, enter job ID 35840.

UM-Flint is a non-discriminatory Equal Opportunity/Affirmative Action employer.

JAN 10-04

MICHIGAN, MOUNT PLEASANT.

Central Michigan University seeks **qualified part-time temporary instructors** to teach the following courses: GEO 120 Environmental Geography, GEO 121 Cultures of the World. Location: online. Requirements: Masters in Geography is required. A PhD in Geography with graduate level coursework in the topic to be taught is preferred. Course: GEO 340 Urban Geography. Location: Online. Course: GEO 373 Latin America. Location: Metro Detroit. Requirements: A PhD in Geography with graduate level coursework in the topic to be taught is preferred.

Local candidates are preferred for face-to-face courses. The University does not sponsor candidates or reimburse relocation expenses. The successful candidate will teach adult students in classes offered on alternating weekends or one night a week for eight weeks. A generous stipend is paid.

If you are interested in further information concerning these opportunities at CMU and how to apply please visit our website at www.cel.cmich.edu/faculty/recruitment/job-postings.html to view the job postings and access the application at www.cel.cmich.edu/faculty/opportunities/application.html to apply.

For additional information, contact Carmen at 800-950-1144 ext. 2199 or cejab1c@cmich.edu.

CMU, an AA/EO institution, strongly and actively strives to increase diversity within its community (see www.cmich.edu/aaeo).

JAN 10-14

***MICHIGAN, UNIVERSITY CENTER.**

Saginaw Valley State University, **Instructor of Geography: One Year Temporary.** The Department of Geography seeks a full-time, one-year temporary Instructor of Geography to teach the General Education courses Intro to Physical Geography, North American Regional Geography, and World Regional/Cultural Geography. Master's degree in Geography or closely related field required. For complete list of requirements, further information, and to apply for this position, please visit www.jobs.svsu.edu.

Apply: Applicants must apply on-line at www.jobs.svsu.edu.

SVSU is an EO/AA employer.

FEB 10-36

***MONTANA, MISSOULA.**

The Department of Geography at The University of Montana (<http://www.umt.edu/jobs/FAC/cgis.html>) seeks a **Cartographer/Geographic Information Scientist** to fill a **One-Year Lectureship**, with possibility of renewal for up to two additional years, beginning August 2010. A graduate degree in Geography or allied field is required. Geography PhD strongly preferred.

Teaching expectations include Principles of Digital Cartography; Thematic Cartography and GIS; one upper-division GIS methods course (Internet GIS or Spatial Statistics and GIS); and one graduate-level applied GIS course (Seminar in GIS or Vector GIS). All courses have labs. This hire will serve as the Geospatial Research and Teaching (GReaT) Laboratories Coordinator. Duties include overseeing lab monitors, coordinating technical support, internships, etc. Substantive experience teaching with ESRI products is required and expertise with Open Source software desired.

Apply: Please submit a letter detailing teaching interests, curriculum vitae, copies of official transcripts, evidence of teaching excellence, and contact information for three references to: Anna Klene, Chair of the Search Committee, Department of Geography, The University of Montana, Missoula, Montana 59812-5040 (anna.klene@umontana.edu).

Review of applications will begin March 1, 2009. This position announcement can be made available in alternative formats upon request.

The University of Montana is an equal opportunity/affirmative action employer and encourages applications from qualified women, minorities, veterans, and persons with disabilities.

FEB 10-30

***NEVADA, LAS VEGAS.**

Assistant Professor, Geoscience. The Department of Geoscience at the University of Nevada Las Vegas is seeking candidates for a full-time, 9-month, tenure-track position in **Terrestrial Climate Science**. We are searching for a process-oriented scientist whose research will link climate science to changes in hydrologic processes, primarily, as well as to changes in critical zone, ecological, and surface geological processes. Possible research foci include evaluating the impact of anthropogenic climate change and natural climate variability on water resources and ecosystems in the desert southwest, and understanding past hydroclimate variability.

The successful candidate is expected to build a sustained, externally-funded research program that incorporates a strong field component that is relevant to the Great Basin/Mojave Desert Region. The ability to collaborate with a broad range of other faculty members across UNLV, as well as UNR and DRI, is highly desirable. This position will benefit from new research infrastructure, including state-of-the-art laboratory facilities in stable isotope geochemistry, soils, hydrology and GIS; the Center for Urban Water Conservation; NSF EPSCoR Climate Change monitoring transects in the Great Basin; and the NSF EPSCoR Climate Change project team.

Duties of this position will include the supervision of graduate students seeking MS and PhD degrees in Geoscience, instruction of introductory courses in the areas of Climatology and Earth Science, and upper-division/graduate instruction in the candidates' specialty.

A PhD in Geosciences or a related field from an accredited college or university is required. This hire will be initially funded by a major NSF EPSCoR grant focused on Climate Change, and the successful candidate will be expected to participate in that program.

Review of applications will begin February 16th, 2010, and continue until the position is filled. For a complete position description and application details, please visit <http://jobs.unlv.edu> or call 702-895-2894 for assistance.

UNLV is an Affirmative Action/Equal Opportunity educator and employer committed to excellence through diversity.

FEB 10-28

NEW HAMPSHIRE, DURHAM.

University of New Hampshire. The Department of Geography and the Center for International Education seek a **broadly-trained geographer** with a **strong international perspective** for a full-time appointment as **Lecturer** to begin in August 2010. This is a teaching position, with no research expectations or service responsibilities. It is not a tenure-track position, but includes full benefits. The position includes a one-year contract and is eligible for renewal. Teaching load is six courses per academic year – at least four for the Department of Geography and up to two for the Center for International Education.

Candidates should be qualified to teach lower-level courses in human, physical, and regional geography, as well as the geography component of a team-taught introductory course in International Affairs. Preference will be given to candidates who have a regional specialty other than North America, the Middle East, or Sub-Saharan Africa. Minimal qualifications: master's degree; PhD or ABD preferred. Teaching experience required.

The Department of Geography (www.unh.edu/geography) is a small, undergraduate-only department with five tenure-track faculty and about forty majors that places a high value on both research and teaching. The Center for International Educational (www.unh.edu/cie) coordinates study abroad programs on campus and oversees an International Affairs dual major.

Apply: Please send a letter of application, a curriculum vitae, evidence of teaching quality, and the names and addresses (including e-mail) of three references by February 15, 2010 to Blake Gumprecht, Chair, Department of Geography, University of New Hampshire, 102 Huddleston Hall, 73 Main Street, Durham, NH 03824-2541.

UNH supports diversity among its faculty and strongly encourages women and minority candidates to apply.

JAN 10-15

NEW YORK, BUFFALO.

The University at Buffalo, Department of Geography. The Department of Geography anticipates hiring a faculty member at the full Professor rank. The successful candidate will have primary responsibility for conducting research, participating in service to the Department & University, providing graduate and undergraduate instruction, and supervising graduate student research. The Department seeks to enhance areas such as health, urban geography, economic geography, geohazards, human dimensions of global change, and geographic information science. The candidate will be expected to demonstrate leadership in sustaining an externally funded research program based on scholarship and high-quality journal publications. The successful candidate will have a PhD in Geography or a related field & an established record of publications and external funding.

Apply: only e-applications are accepted. Please submit application, cover letter, and CV at: https://www.ubjobs.buffalo.edu/applicants/jsp/shared/position/JobDetails_css.jsp?postingId=155479 (posting #0900519). The search committee will begin to evaluate applications immediately, and the position will remain open until filled.

The University at Buffalo is an Equal Opportunity/Affirmative Action Employer.

JAN 10-19

OHIO, COLUMBUS.

SBS Diversity Postdoctoral Fellowships. The College of Social and Behavioral Sciences Diversity Postdoctoral Fellowship Program at The Ohio State University supports promising scholars who are committed to diversity in the academy and to prepare those scholars to enter tenure track faculty positions. We are particularly interested in receiving applications from individuals who are members of groups that historically have been underrepresented in the American professoriate.

Fellows will be affiliated with one of the eight academic units of the College of Social and Behavioral Sciences: Anthropology, Economics, Geography, Communication, Political Science, Psychology, Sociology, and Speech and Hearing Science (additional information at <http://sbs.osu.edu>). The College also houses four interdisciplinary research units: the Criminal Justice Research Center, the Center for Human Resource Research, the Center for Urban and Regional Analysis, and

the Initiative in Population Research. Fellows may also have the opportunity to participate in the activities of the Kirwan Institute for Race and Ethnicity, a multidisciplinary center founded jointly by the Colleges of Social and Behavioral Sciences, Humanities, and Law.

Eligibility: Applicants must have completed all requirements for a doctoral degree in the social sciences by August 2010. Preference will be given to individuals who are within five years of their degree. Applicants must be committed to an academic career. Applicants must be a citizen of the United States. **Awards:** Up to three fellowships will be awarded. The appointments are intended for two years, with re-appointment for the second year contingent upon a successful performance review. The appointments will begin in September 2010. The fellowships provide a \$40,000 annual stipend, university medical benefits, and some support for travel and research expenses.

Apply: Required application materials: (1) Applicants should clearly identify a unit within the College of Social and Behavioral Sciences at OSU with which they would be affiliated during the Fellowship period, and are encouraged to suggest one or more tenured faculty members within that unit who could serve as a host and mentor; (2) a curriculum vitae; (3) a one page dissertation abstract; (4) a statement outlining the specific research proposed to be undertaken during the Fellowship period, and the significance of that research (four-page limit, double-spaced); (5) a personal statement describing the applicant's background and commitment to the goal of diversity in higher education (three-page limit, double-spaced). Applicants should submit all of these materials electronically in Microsoft Word. (Please identify all of the documents with the last name and document type, e.g., smithcv.doc or smithresearchstatement.doc.) In addition, three letters of recommendation should be submitted electronically.

All materials must be received by February 15, 2010, and should be submitted to sbspstdocs@polisci.osu.edu. Questions can be directed to Prof. Kathleen M. McGraw (mcgraw.36@osu.edu).

JAN 10-01

OKLAHOMA, NORMAN.

The University of Oklahoma, Norman, Oklahoma, is seeking applications for the combined position of Dean, College of

Atmospheric and Geographic Sciences and Director, National Weather Center. The Dean and Director guides and oversees the OU Geography Department, the School of Meteorology and the Geoinformatics Program, plus ten associated research and service units and integrates the OU and NOAA programs of the National Weather Center to facilitate synergistic opportunities and discoveries.

The University is seeking a dynamic visionary and proven professional. They must provide academic, intellectual and administrative leadership for an interactive and collaborative community of educational, governmental and private sector organizations. This weather and environmental enterprise is comprised of well over 700 weather-related professionals and 350 students.

Applications and Nominations: Review of applications will begin December 1, 2009 and continue until the position is filled. Preferred start date is July 1, 2010. Formal candidates will be requested to submit a letter of interest demonstrating how the candidate fulfills the qualifications for this position, a detailed resume, and names of at least five references (including mail and email addresses and telephone/fax numbers). Electronic submission in PDF format preferred.

Apply: Direct nominations and applications to: Rich Taylor, Atmospheric and Geographic Sciences Dean Search Committee Chair, Dean of the Weitzenhoffer Family College of Fine Arts, Carpenter Hall, Suite 104, Norman, OK 73019. Email: rich.taylor@ou.edu; Phone: (405) 325-7370; Fax: (405) 325-1667. For complete job description and application process: <http://ags.ou.edu/deansearch>.

The University of Oklahoma is an Affirmative Action/Equal Opportunity employer and encourages diversity in the workplace.

JAN 10-09

*OREGON, ASHLAND.

Southern Oregon University invites applications for a tenure-track position at the Assistant Professor level in the Department of Environmental Studies for Fall 2010. Candidates in the geosciences, earth sciences, environmental sciences or related fields are encouraged to apply. We seek a scholar excited by problem-driven field-based research, committed to interdisciplin-

ary undergraduate education, and enthusiastic about joining a diverse department faculty that spans the natural and social sciences. We also seek someone committed to creating and maintaining connections with community partners and conducting research on regional issues.

We are looking for a scientist with a comprehensive knowledge of surficial processes: geomorphology, soils, slope stability, hydrology, water quality, and watershed science, with applied skills and facility with geospatial technologies. The successful candidate will teach introductory and advanced earth science classes and labs, integrative environmental studies courses, his/her specialty in geospatial technologies, as well as taking a prominent role in student capstone experiences.

Apply: to view a complete job description and apply, please visit: <http://apptrkr.com/132914.AA/E>.

FEB 10-23

TENNESSEE, KNOXVILLE.

The College of Arts and Sciences at the University of Tennessee invites applications for four open-rank tenure-track positions from individuals whose research agendas encompass scholarship and creative activity related to the continent and/or peoples of Africa, the African diaspora, and/or the African-American experience.

Individuals appointed to these positions will have a tenure home in one of the College's 21 Departments or Schools (www.artsci.utk.edu) and will also be expected to make substantive contributions to the mission of the College's Interdisciplinary Program in Africana Studies (web.utk.edu/~africana), including teaching undergraduate Africana Studies courses.

We seek applicants who will be able to contribute in meaningful ways to the diversity-related and intercultural aspects of the University's educational mission. The Department of Geography (web.utk.edu/~utkgeog) is a PhD granting department in the College of Arts and Sciences. A successful geography candidate will work in both the Geography and Africana Studies programs.

Applicants must demonstrate promise of distinguished scholarship and creative activity and a commitment to excellent teaching. Appropriate terminal degree required at the

time of appointment. Appointment will be made at a rank commensurate with an individual's level of experience. Review of applications will begin on December 1, 2009. Positions will remain open until filled.

Apply: Send electronic application, including letter of application, curriculum vitae, three letters of reference, a research prospectus, and a teaching statement to africanasearch@utk.edu. Letters of reference may be submitted under separate cover and should be sent to the same email address. Applications will be acknowledged.

The University of Tennessee is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA institution in the provision of its education and employment programs and services. All qualified applicants will receive equal consideration for employment without regard to race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, gender identity, age, physical or mental disability, or covered veteran status.

JAN 10-11

*TEXAS, HUNTSVILLE.

Sam Houston State University, Department of Geography and Geology, seeks to fill a tenure-track position at the rank of **Assistant or Associate Professor** of Geography with expertise in **GIS or related geospatial technologies**, all specialties considered, beginning August 2010. A PhD in geography by the time of appointment is required. Successful candidates will be able to contribute towards a Master's Program in Applied GIS. Special consideration will be given also to those capable of teaching courses from a broad selection of undergraduate course offerings.

The Department presently has 12 full-time faculty and offers degrees in applied GIS (M.S.), geography (B.A., B.S.), social science composite – geography emphasis (B.A., B.S.), and geology (B.S.). The Geography Program supports two minors (Geography and Geo-Spatial Science), maintains modern GIS and remote sensing labs, and possesses a broad range of modern field and laboratory equipment. Sam Houston State University, located about 70 miles north of Houston, is one of Texas' fast growing universities with over 16,000 students and 79 undergraduate, 54 masters, and 5 doctoral programs.

Selected candidates will be scheduled for on-site interviews on or before March 15, 2010 and continue until the position is filled.

Apply: Send a letter of interest, curriculum vitae, statements of teaching and research philosophies, one sample publication, unofficial graduate transcripts, and the names and contact information (including email) of three referees to: Dr. Donald Albert, Chair of Geography Position Search Committee, Department of Geography and Geology, Box 2148, Sam Houston State University, Huntsville, TX 77341-2148. Voice: 936-294-1453. Fax: 936-294-4203. Email: geo_dpa@shsu.edu.

SHSU is an EEO/AAP employer.

FEB 10-34

*VERMONT, MIDDLEBURY.

The Geography Department seeks to fill a one-year position at the **Instructor (ABD) or Assistant Professor (PhD)** level to begin fall 2010. We seek candidates with combined strengths in the technical, conceptual and topical aspects of GIS and geo-spatial techniques generally. Teaching responsibilities will include one comprehensive, problem-based GIS course (lecture and lab) along with thematic and/or technical courses in his/her specialty area. Middlebury College has a history of innovative GIS teaching within the liberal arts. A strong commitment to undergraduate education is essential.

Apply: Please send a letter of application, curriculum vitae, and three letters of recommendation, at least two of which address teaching ability, to: Dr. Anne Knowles, Chair GIS Search Committee, Department of Geography, Bicentennial Hall, 5580 Middlebury College, Middlebury, VT 05753. All materials must be received in hard copy by March 15, 2010.

Middlebury College is an equal opportunity employer, committed to hiring a diverse faculty to complement the increasing diversity of the student body.

FEB 10-27

WEST VIRGINIA, HUNTINGTON.

The Department of Geography at Marshall University seeks a candidate for a tenure-track faculty position with the rank of **Assistant Professor** to start August of 2010.

Candidates must demonstrate the ability to teach courses in **economic geography and planning**, both applied and theoretical, at the graduate and undergraduate level. The Department seeks candidates who will contribute to the University's general education curriculum with its emphasis on a common First Year Seminar and core curriculum courses that enhance students' critical thinking, and the College's support of interdisciplinary programs of study. Preference will be given to candidates with additional teaching abilities in urban geography, GIS, and/or regions other than North America/Europe/Russia. A PhD in Geography is required at time of appointment.

Success candidates are expected to maintain an active, scholarly research agenda, possess a quality teaching record, and provide service to the university. The appointee will be expected to teach 12-credit hours per semester. Salary is commensurate with qualifications and experience. Applications should include 1) letter of application describing teaching and research interests, 2) complete curriculum vita, 3) official transcripts, and 4) contact information of three references.

Apply: Professor Larry Jarrett, Chair, Department of Geography, Marshall University, Huntington, WV 25755. Review of completed applications will begin January 1, 2010 and continue until the position is filled.

Marshall University is an EEO/AA/ADA employer. Women and minorities are encouraged to apply.

JAN 10-13

WISCONSIN, WHITEWATER.

The University of Wisconsin-Whitewater Department of Geography and Geology is seeking applications for a tenure track position at the rank of **Assistant Professor**. The department seeks a **physical geographer** with expertise in climatology. Remote sensing and GIS skills highly desired. Ph.D. required; ABD considered.

Teaching duties will include Physical Geography, Human Environmental Problems, Meteorology and Climate, online Weather and Climate, and other courses that complement our program needs. The candidate will be expected to develop upper level courses in their research area. Inter-

national specialization in Africa, Europe, South America, the Middle East, or Oceania is desired.

This position requires a strong commitment to undergraduate education. Prior teaching experience and demonstrated teaching ability preferred. Contributing to the department's internship program and involving students in research activities is essential. The hire will be required to monitor and maintain the campus weather station and weather data archive. The successful candidate will have an active research agenda, seek external research funding, and publish scholarly articles in peer reviewed journals.

Founded in 1868, UW-Whitewater is the premier public regional university with an enrollment of 10,500 in 45 undergraduate majors, 13 master's degree programs, and one specialist degree program. It offers high-quality career-oriented programs integrated with a model general education curriculum. UW-Whitewater is part of the 26-campus University of Wisconsin System. Located in a community of 12,000 residents near the scenic Kettle Moraine State Forest in southeastern Wisconsin, Whitewater is within convenient driving distance to the metropolitan areas of Milwaukee, Madison, and Chicago.

The Geography and Geology Department is housed in Upham Hall, which features state of the art research and teaching facilities including two dedicated GIS and remote sensing labs. Upham Hall also houses the biology, chemistry, and physics departments, which provides an excellent opportunity for interdisciplinary collaborations. The department of Geography and Geology has approximately 100 undergraduate majors.

Completed application packet must include: (1) letter of interest that includes qualifications and experience; (2) curriculum vita; (3) non-certified transcripts; and (4) three letters of reference. Electronic submissions preferred. Letter of recommendation must be sent from reference. Official transcripts will be required upon hiring.

Apply: Dr. Dale Splinter, Chair, Search Committee, Department of Geography & Geology, 800 W. Main Street, Upham Hall 120, Whitewater, WI 53190; Dept Number 262-472-5156; Email splinted@uww.edu. Evaluation of applicants will begin

on January 29, 2010 and will continue until the position is filled.

The University of Wisconsin-Whitewater is an Equal Opportunity and Affirmative Action Employer, and actively seeks and encourages applications from women, people of color, persons with disabilities, and all veterans. Names of applicants may be disclosed unless requested otherwise. Names of finalists will be released. New hire will be subject to a criminal background check as a condition of appointment.

JAN 10-02

INTERNATIONAL

*AUSTRALIA, MELBOURNE.

Monash University. **Lecturer/Senior Lecturer (2 positions). Human Dimensions of Environment and Sustainability, and Biogeography/Palaeoecology.** School of Geography and Environmental Science.

The School is seeking to make two appointments at Lecturer/Senior Lecturer. The appointees will be required to supervise graduate and honours research students and contribute to a range of undergraduate and postgraduate teaching programs. The successful applicants will have a demonstrable capacity to attract research funding, and a record of high quality research in either Human Dimensions of Environment and Sustainability or biogeography/palaeoecology.

Remuneration package: A\$83,363 – A\$98,994/A \$102,119 – A\$117,749 pa Level B/Level C (includes employer superannuation of 17%). Enquiries: Associate Professor David Dunkerley, via email: David.Dunkerley@arts.monash.edu.au. Location: Melbourne, Australia. Ref No: A0910499.

For position information go to <http://www.monash.edu.au/jobs/> and search under the job title or job number.

FEB 10-32-1

CANADA, ONTARIO, WATERLOO.

The **International Development** Program in the School of Environment, Enterprise and Development (SEED), in the Faculty of Environment, University of Waterloo invites applications for a tenure-track position at the **Assistant or Associate Professor** level; full professorship is possible for exceptional candidates. Applicants should have a PhD, a

strong background in the political economy of development, and be able to teach core courses in International Development at the undergraduate and graduate level.

The ideal candidate will have research interest and expertise in Sub-Saharan Africa as a world region, including focus on one or more of the following issue areas: urbanization and sustainable cities; international health; natural resources; climate change; and/or the increasing role of China as an agent of international development. The successful candidate will be expected to develop senior seminars/graduate courses in line with her/his research expertise, have a strong commitment to teaching, research and graduate student supervision, and contribute meaningfully to the strategic direction of the INDEV program, SEED, and the Faculty of Environment.

For more information about the Faculty of Environment, the INDEV Program, and the Faculty's Strategic Plan, please visit: www.environment.uwaterloo.ca/index.html; www.shapetheworld.uwaterloo.ca, and www.fes.uwaterloo.ca/faculty/strategic_plan.html.

Interested candidates are invited to submit a detailed curriculum vitae, a statement of career objectives and approach to learning and teaching goals, as well as the names, addresses, e-mail addresses and telephone numbers of four referees. Applicants are requested to provide a statement explaining how their research interests relate to the areas targeted above. Review of applications will begin February 1, 2010 and appointment is expected to commence May 1, 2010 or earlier.

Apply: Please send application package to: Prof. Larry A. Swatuk, International Development Program, School for Environment, Enterprise and Development (SEED), Faculty of Environment, University of Waterloo, Waterloo, Ontario, Canada, N2L 3G1. Email: lswatuk@uwaterloo.ca.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. The University of Waterloo encourages applications from all qualified individuals, including women, members of visible minorities, native people, and persons with disabilities.

JAN 10-12

FEBRUARY

1. Society of Women Geographers Dissertation Fellowships. www.iswg.org. Contact Ruth Shirey for details (rishirey@auxmail.iup.edu).
19. David Woodward Memorial Fellowship in the History of Cartography. www.geography.wisc.edu/histcart/#fellow.
28. Kislak Fellowship in American Studies. Library of Congress. www.loc.gov/loc/kluge/fellowships/kislak.html.

MARCH

1. Newberry Library History of Cartography Fellowship (and other short-term awards). Chicago. www.newberry.org/research/felshp/short-term.html.
2. American Geographical Society Library Fellowships. www.uwm.edu/libraries/AGSL/fellowships.html.
2. Economic and Social Research Council ESRC-SSRC collaborative scholarships. www.esrcsocietytoday.ac.uk.
21. James Blaut Award. www2.stetson.edu/cape/Honors/honors.htm.

APRIL

1. Davis-Putter Scholarships for student activists. www.davisputter.org.
30. PAIGH Technical Assistance Project Proposals. www.ipgh.org/Cooperacion-Tecnica/default.htm.

MAY

15. Society for the History of Discoveries Essay Contest. www.sochistdisc.org.
15. Society of Women Geographers Pruitt Minority Fellowships. www.iswg.org. Contact Ruth Shirey for details (rishirey@auxmail.iup.edu).

JUNE

1. Walter W. Ristow Prize in the History of Cartography. <http://home.earthlink.net/~docktor/ristow.htm>.
30. AAG Honors. www.aag.org/grantsawards.

JULY

1. American Institute of Indian Studies Fellowships. www.indiastudies.org.

SEPTEMBER

15. Holberg Prize. www.holbergprisen.no/en/nomination.html.

DECEMBER

1. AAG Anderson Medal. <http://agsg.binghamton.edu>.
31. AAG Anne U. White Fund. www.aag.org/grantsawards/Annewhitefund.html.
31. AAG Darrel Hess Community College Geography Scholarships. www.aag.org/grantsawards.
31. AAG Dissertation Research Grants. www.aag.org/grantsawards/dissertation-research.html.

31. AAG Research Grants. www.aag.org/grantsawards/generalresearch.html.
31. AAG E. Willard and Ruby S. Miller Award. www.aag.org/grantsawards.
31. AAG International Geographic Information Fund. Student Travel Grant, Student Paper Award, and Graduate Research Award. www.aag.org/grantsawards.
31. AAG Mel Marcus Fund. www.aag.org/grantsawards/marcus.cfm
31. AAG Meredith F. Burrill Award. www.aag.org/grantsawards.
31. AAG Hoffman Award. www.aag.org/grantsawards.
31. J.B. Jackson Prize. www.aag.org/grantsawards/jackson_prize.cfm.
31. AAG Glenda Laws Award. www.aag.org/grantsawards.
31. AAG Meridian Book Award. www.aag.org/grantsawards.
31. AAG Globe Book Award. www.aag.org/grantsawards.

AAG Grants and Competitions

The AAG offers numerous grants and awards. Visit www.aag.org/grantsawards for a full listing including detailed descriptions, deadlines, and application procedures.

NSF Grants and Competitions

Detailed information about NSF grants and awards is available at www.nsf.gov.

AAG Annual Meeting Awards Luncheon Form**Washington, DC — Sunday, April 18, 2010****11:50 pm - 2:00 pm**Single Ticket
\$55.00Qty
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Name: _____

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Mail or fax your order to: Association of American Geographers, 1710 16th Street NW, Washington, D.C., 20009-3198.
Fax: 202-234-2744.

2010

MARCH

25-26. 41st Annual South Dakota State Geography Convention. Brookings, SD. www3.sdstate.edu/academics/collegeofartsandsciences/geography.

APRIL

5. 3rd Annual Global Environmental Sustainability Symposium. New Britain, CT. www.ccsu.edu/page.cfm?p=2334

5-9. 25th Annual Meeting of the U.S. Chapter of the International Association for Landscape Ecology (US-IALE). Athens, Georgia. www.usiale.org/athens2010.

7-9. "Mapping Climate, an Environment for Change," Australian and New Zealand Map Society (ANZMapS). Adelaide, Australia. www.anzmaps.org.

14-18. AAG Annual Meeting.
Washington, DC. www.aag.org.

MAY

25-26. National Geographic Bee. Washington, DC. www.nationalgeographic.com/geographybee.

26-28. Conference of Latin Americanist Geographers (CLAG) 2010. Bogatá, Columbia. <http://cider.uniandes.edu.co/CLAG/index.asp>.

JUNE

1-5. Canadian Association of Geographers National Meeting. University of Regina. <http://uregina.ca/prairies>.

JULY

5-8. Biennial Conference of the New Zealand Geographical Society, in conjunction with the Institute of Australian Geographers. Christchurch, NZ. www.nzgs2010.org.nz.

5-9. Las Navas 2010: Cognitive and Linguistic Aspects of Geographic Space. Avila, Spain. www.geoinfo.tuwien.ac.at/lasnavas2010.

12-16. IGU/UIG Regional Conference 2010, "Bridging Diversity in a Globalising World." Tel Aviv, Israel. www.IGU2010.com.

12-16. ESRI User Conference. San Diego, CA. www.esri.com.

27. Fourth Meeting of the AAAS Science and Human Rights Coalition. <http://shr.aaas.org/coalition/Meetings/meetings.shtml>.

AUGUST

3-7. Local Food Systems in Old Industrial Regions: Challenges and Opportunities. IGU Commission on the Dynamics of Economic Spaces. Toledo, Ohio. http://uac.utoledo.edu/igu_commission/ToledoMC2010-Home.htm.

SEPTEMBER

1-3. Royal Geographical Society/Institute of British Geographers Annual Conference. London. www.rgs.org/AC2010.

1-3. Global Studies Association Conference. Oxford, UK. www.criticalglobalisation.com.

12-14. Society for the History of Discoveries 51st Annual Meeting. Santa Fe, NM. www.sochistdisc.org.

14-17. **GIScience 2010**. Zurich, Switzerland. www.giscience2010.org.

15-18. **AAG Pacific Coast Regional Meeting**. Coeur D'Alene, ID. www.uidaho.edu/sci/geography.

29-OCT 3. National Conference on Geography Education. Savannah, GA. www.ncge.org.

OCTOBER

6-8. Race, Ethnicity, and Place Conference. Binghamton, NY. <http://rep-conference@binghamton.edu>.

8-9. **AAG Great Plains/Rocky Mountain Regional Meeting**. Lawrence, Kansas. <http://geography.unco.edu/GPRM>.

14-16. **AAG Southwest Division Regional Meeting**. Northeastern State University, Tahlequah, Oklahoma. www2.geog.okstate.edu/swaag.

21-23. 33rd Applied Geography Conference. Fort Worth, TX. <http://applied.geog.kent.edu>.

22-23. **AAG Middle States Division Regional Meeting**. West Point, NY. <http://departments.bloomu.edu/geo/msd>.

22-23. **AAG East Lakes Division Regional Meeting**. Grand Rapids, MI. www.eastlakesaag.org.

22-23. **AAG West Lakes Division Regional Meeting**. Macomb, IL. www.macalester.edu/geography/09aagwestlakes.htm.

25-27. Intn'l Symposium on Sustainability Science. Montclair, NJ. Contact: Dr. Michael P. Weinstein (weinsteinmi@mail.montclair.edu).

29-30. **AAG New England/St. Lawrence Valley Regional Meeting**. Storrs, CT. www.nestval.org.

NOVEMBER

5-6. **AAG Middle Atlantic Division Regional Meeting**. York, PA. www.gwu.edu/~madaag.

9-12. Pan-American Institute for Geography and History (PAIGH) General Assembly. Lima, Peru. www.ipgh.org.

21-23. **AAG Southeast Regional Meeting**. Birmingham, AL. www.sedaag.org.

2011

APRIL

12-16. AAG Annual Meeting.
Seattle, WA. www.aag.org.

2012

FEBRUARY

24-28. AAG Annual Meeting.
New York, NY. www.aag.org.

AAG Annual Meeting Registration form is available on page 17.

www.aag.org/annualmeetings/2010.

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Department Leadership Workshop

Registration has begun for the 7th annual AAG Department Leadership Workshop, to be held in Boulder, Colorado, June 17-19, 2010. Open to all geographers interested in improving their programs, including chairs, deans, associate chairs, academic advisers, provosts and other administrators, the workshop will address a broad range of leadership issues and is particularly well suited for those who may soon assume leadership positions.

The theme "Beyond the Ivory Tower" will focus on sharing practices for helping students succeed in non-academic careers. Additional sessions will focus on conflict resolution, difficult communication, and supporting early career faculty. Time will also be set aside for participants to share and discuss their own concerns and experiences, especially issues arising from the recent economic downturn.

The workshop cost of \$275 will include materials, instructor expenses, field trip expenses, and attendee meals. Participants will stay in the historic Hotel Boulderado, a beautiful national landmark property in the center of Boulder. A room rate of \$149 per night is available for workshop participants. A field trip to Rocky Mountain National Park is scheduled for June 17, with the main workshop sessions beginning that evening.

For additional information and to register: www.aag.org/healthydepartments/healthy_content.cfm.

Reserve Your AAG Conference Hotel Room

The Wardman Park Marriott and Omni Shoreham conference hotels are now accepting reservations at AAG discounted rates for those attending the AAG

Annual Meeting, to be held April 14-18, 2010. These offers are valid for stays between April 8, 2010 and April 22, 2010 on a space available basis. Details,

including the AAG group code number required to receive room discounts, are available on the AAG website at www.aag.org/annualmeetings.

Register for the 2010 AAG Annual Meeting Today

www.aag.org/annualmeetings