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2007 AAG Presidential Plenary: America's Immigrants

The Presidential Plenary at the AAG's 2007 Annual Meeting in San Francisco will focus on immigrants and immigration, a topic that has once again moved to the forefront of the national agenda. Organized by AAG President Kavita Pandit, the plenary is entitled "Americas Immigrants: New Geographies, New Debates."

Contemporary debates on immigration center on cultural change ("will immigrants assimilate?"), economic impacts ("will immigrants take away our jobs?"), fiscal implications ("who will pay for immigrant services?"), and security concerns ("will immigrants harm us?"). These debates are critically intertwined with the changing geographies of immigrants at the national, regional, and metropolitan scales. This plenary session will profile the work of the following four scholars whose work represents the breadth of the rich research

on immigration and immigrant geographies and contributes to ongoing debates.

W.A.V. Clark is a professor in the Department of Geography at the University of California, Los Angeles, and a member of both the National Academy of Sciences and the American Academy of Arts and Sciences. His work focuses on the impacts of residential mobility in and migration to U.S. cities. Clark is the author of numerous books, most recently *Immigrants and the American Dream: Remaking the Middle Class* (Guilford, 2003).

Mark Ellis is a professor of geography and a research affiliate at the Center for Studies in Demography and Ecology at University of Washington. He is also a Guggenheim Fellow. His research interests center on migration, ethnicity, and local labor markets and his work investigates

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Sands of Time: Change in San Francisco

A visitor to San Francisco, as to any city, takes in the scene and accepts it at face value. But San Francisco, like any other city, is one of realms: specialized business districts, racialized neighborhoods, rich and poor, manufacture and finance. It has a certain order, built up over time and fixed in large buildings, streets, and transit lines—all seemingly permanent and immutable.

But the human eye can be fooled. Cities are constantly in motion and upheaval thanks to the dynamism of cap-

ital investment, shifting foundations of technology and markets, and the struggle over urban space by class, race, and interest. San Francisco is no exception. Indeed, given its position at the crossroads of the Pacific, as the historical center of finance in the western United States, and near the world center of high tech, one can expect that it would be rather more prone to change than many other places. And given its density and its restless populace, with a

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In downtown San Francisco buildings from across the ages are juxtaposed. The modern city is the sixth major iteration of urbanism on the San Francisco peninsula.

Abstract Deadline for 2007 AAG Meeting Extended to November 9

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Douglas Richardson, Publisher
and Managing Editor

Megan D. Nortrup,
Editor

AAG Voice 202-234-1450

AAG Fax 202-234-2744

newsletter@aag.org

www.aag.org

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Protecting the AAG and Supporting Hotel Unions

With a great sigh of relief, I am pleased to report a settlement of the long-standing labor dispute at the San Francisco Hilton Hotel, a dispute which threatened the very existence of the AAG's 2007 Annual Meeting.

As many of you know, the Hilton hotel and the hotel workers union have been locked in a contract renewal battle for over two years. Throughout this period the hotel has been under the cloud of a general boycott and the imminent prospect of a strike by the workers at the hotel.

After talking with hundreds of AAG members about this issue, it was my assessment that the occurrence of a strike at the hotel during or leading up to our Annual Meeting would result in the cancellation of our meeting as a majority of our members would not cross the striking workers' picket lines. The cancellation of our annual meeting would have meant very significant financial losses for the AAG, as we have contractual obligations to the hotel, and undoubtedly a great deal of internal dissension and acrimony would be generated over how to best to handle the situation.

Trying to figure out ways to both protect the AAG's financial and institutional foundations and still support the hotel workers has been one of the most intractable issues I have had to deal with as executive director of the AAG. It also is an issue which for me brings into tension personal and professional responsibilities.

I grew up in Flint, Michigan, in an extended family of auto workers and industrial workers. My grandfather played a key role in the seminal 1937 CIO sit-down strike at General Motors. Most of my relatives were and still are members of unions. I made my way through college on scholarships and by working, primarily as a journeyman construction lineman and member

of the IBEW union. Simply put, my experience has taught me the importance of supporting working people and their unions.

I also greatly value the AAG as an institution and am charged with and committed to protecting, sustaining, and building this organization. I have put enormous personal energy and time over the past five years

into helping to build the AAG to a state of financial health, strong infrastructure, dynamic programs and new initiatives, and growing membership and annual meeting attendance. Thus, I have been trying very hard to develop ways to meaningfully support the hotel worker unions without jeopardizing the AAG's financial and

institutional underpinnings.

We took several steps at the AAG to try to protect our association without compromising our values. Among them, we put pressure on the hotel to settle; we coordinated with the union workers; and in the best Washington tradition, we hired good lawyers.

First, we let the hotel know directly, as well as through our meeting planners, that this issue is one we take seriously and that if unresolved would likely have negative repercussions for the hotel (as well as for us) if a settlement were not reached soon. I believe this had an impact.

More recently, the AAG also took the lead among our peer associations in developing a supportive relationship with a new organization, INMEX (Informed Meetings Exchange), which works closely with the hotel unions to gather and analyze information regarding hotel labor issues nationally, and to provide access to the most up-to-date information available on the status of labor disputes at major hotels. Without compromising the independence of the AAG or our options for independent action



Richardson

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Building Scholarly Bridges in a Fearful World

I write this column at a time when anxiety about and restrictions to international travel have ratcheted up considerably. The U.S. State Department's "Current Travel Warnings" website (<http://travel.state.gov/travel>) lists thirty countries that Americans should avoid, the vast majority of which are developing countries. Such an environment presents formidable challenges to the work of internationalization as access to field sites becomes difficult or impossible and travel overseas for conferences or study abroad becomes more risky. The greatest danger of all, however, is that we begin to internalize a fearful view of the world and in the process forget that the "dangerous countries" out there also harbor scholars and rich disciplinary traditions! The importance of recognizing our deep common roots as geographers and building and nurturing scholarly interactions across borders has never been more important than now, when other forms of positive engagement and discourse seem to be collapsing.

These reflections, to a great extent, are sparked by a memorable visit I made last year to the Department of Geography at Karachi University in Pakistan at the invitation of their department chair, Dr. Jamil Kazmi. Visits of senior scholars from the west are not everyday events and the names of these geographers are etched in departmental history: George Cressy (1948), Dudley Stamp (1955), Robert Platt (1966). I experienced enormous warmth and hospitality during my stay. There is a deep desire to interact with American scholars; that I was elected officer of the AAG gave my visit added weight in their eyes.

Visits of western scholars occasion campus-wide lectures that draw large audiences and media coverage. At Dr. Kazmi's request, I focused my presentation on the trends in American geography since 9/11. Although the scope of this work is enormous, I spoke about the research by GIS experts that focuses on

technology and physical infrastructure, the work of political geographers on the post 9/11 reshaping of the geography of international power and politics, and the studies of the impacts of 9/11 on the daily lives of individuals and groups. Not surprisingly, there was enormous interest in and sensitivity about how Americans view Pakistan and other Islamic countries. During the lively question and answer period, I was peppered with questions and comments about U.S. international policy. Although many were beyond the scope of my lecture, I sensed that audience members were appreciative just to have the chance to express their views to an American visitor who understood the context of their comments.

Over and over I met faculty and graduate students who were excited and energized about their research, committed to the instructional mission of the department, and undaunted by the severe resource limitations affecting their work. Imagine having to stay on top of your research with very limited access to journals, without a personal desktop computer with instant Internet access, and without the ability to attend conferences that bring together leading scholars in your field! It is no wonder that visits of international academics become so important, and why there is a great eagerness to build connections with American geographers.

I returned from Pakistan with a heightened awareness of the rich possibilities for building links with geographers at Karachi University and universities in other developing countries. These connections are not difficult to forge and have the potential to make an enormous impact. Here are just a few of the many ways that you can make a difference:

It may seem trivial, but if you receive an email query or request from an overseas scholar, take a moment to send a reply.

Even a brief acknowledgement will mean a lot to the recipient. If appropriate, send a copy of a recent paper or the link to a website of interest.

If your research involves international sites, seek to identify local collaborators. These scholars often are intimately familiar with the site and have detailed historical data. Their field knowledge combined with your familiarity with current literature

and experience in publishing/grant writing will make for a formidable partnership.

When traveling overseas, make an effort to contact the geography department in the region you are visiting. Chances are that there will be considerable interest in having you visit the campus and make a presentation.

Establish a "sister department" relationship with a geography department in a third world country. This department could be the grateful beneficiary of back issues of journals, surplus books, and laboratory equipment no longer in use. (Donors interested in internationalization may be able to defray the cost of shipping.) Explore opportunities for scholarly and student exchanges with your sister department.

Despite all we hear about galloping globalization, the work of true internationalization demands effort and nurturing. This is particularly true in a world environment characterized by growing apprehension and fear toward a growing number of countries. At such a time, regardless of our politics, we need to keep doors open to geographers everywhere by focusing on our common excitement about and commitment to our discipline. There is little to lose and a world to gain.



Pandit

Kavita Pandit
pandit@uga.edu

Brown University's Spatial Structures Initiative

Four years ago, Brown University launched an initiative called "Spatial Structures in the Social Sciences." The new interdisciplinary initiative, known as "S4," aims to investigate the impacts of spatial relations and contextual effects on social science issues.

The S4 initiative began to take shape as scholars in several different social science disciplines sought to develop stronger spatial analysis capabilities. It started with the recruitment of a research assistant professor to coordinate GIS software and hardware, offer training for undergraduate and graduate students, and consult with faculty on spatial analysis aspects of their research. Chairs of several departments (economics, urban studies, community health, sociology, and political science) and directors of two major research centers (the Population Studies and Training Center and the Taubman Center for Public Policy and American Institutions) continued in the effort by proposing several new faculty appointments, recruitment of a director, a series of workshops and seminars, the creation of a GIS lab, and support for graduate students

and postdoctoral fellows in relevant disciplines. The initiative was formally approved in 2003 and in spring 2004, John Logan, a sociologist and former director of the Lewis Mumford Center for Comparative Urban and Regional Research at the University at Albany, was appointed as the first director.

The initiative's associate director, geographer Scott Bell, is currently working to expand the research collaborations that the unit supports as well as develop new and ongoing training opportunities for Brown faculty and graduate students. Part of Bell's ongoing research concerns human spatial behavior and GIScience, including exploration of the ways that researchers who use qualitative methods can better integrate GIS into their research programs. Another of his projects is on "sketch maps" and other spatial schematics that are often used to express spatial knowledge. He is also interested in ways that GIScience researchers can help build new analytical tools for qualitative spatial data.

Current training activities by the initiative include undergraduate classes, graduate seminars such as a new spatial statistics

course, a graduate student GIS institute, and partnerships with the library and other GIS related units on campus, in particular the Department of Geology's EarthLab. Additionally, several specific projects are underway within the S4 initiative including the recently re-funded Katrina Project (to study the long-term spatial and social impacts of Hurricanes Katrina and Rita on the cities and towns of the Gulf Coast), the American Communities Project (providing information to scholars and the public about trends that affect neighborhoods, cities, and regions around the country), and a project on the social and cultural geography of nineteenth-century Rio de Janeiro. Also, the Georgia Nursing Homes Project evaluates the impacts of market forces and public policies on care for older Americans, specifically addressing how residential segregation affects the provision of nursing home services, and the Brown University Working Group on China studies social change in China and its relations with the international community.

To learn more about Brown University's S4 initiative visit www.s4.brown.edu/index.htm.

2007 Presidential Plenary from page 1

how assessments of the impacts of immigration in the United States are tied to immigrant geographies.

Anna Lee Saxenian is dean of the U.C. Berkeley School of Information and a professor in the Department of City and Regional Planning. She has written extensively on the role of immigrant engineers in shaping Silicon Valley and other technology regions. Her most recent book is *The New Argonauts: Regional Advantage in a Global Economy* (Harvard University Press, 2006).

Rebecca Torres is an assistant professor of geography at East Carolina University with interests in rural development, tourism, and migration. She recently

received a NSF CAREER Award to support her work on Latino transnational migration and settlement in the rural U.S. South, and to build an integrated program of research, education, and outreach to the Latino community.

This Presidential Plenary, in combination with numerous other special events, is part of a vibrant and diverse AAG confer-

ence. The 2007 meeting is being held at the Hilton San Francisco, in San Francisco, California, from April 17 to 21, 2007. For the latest information on the meeting visit www.aag.org/annualmeetings/SF2007/index.cfm.



Clark



Ellis



Saxenian



Torres

AAG Washington Monitor

AAG Urges Congress to Support NDGPS

On August 24, the AAG sent a letter to key appropriators on Capitol Hill urging them to fund the Department of Transportation's (DOT) Nationwide Differential Global Positioning System (NDGPS) at the full level of \$30 million for fiscal year 2007. The program was zeroed out in early versions of relevant appropriations bills.

The NDGPS is designed to boost the accuracy of the nation's GPS satellite navigation and positioning system. As designed, the NDGPS would permit GPS users to benefit from positioning accuracy of less than one meter. Unless adequate funds are appropriated by Congress however, this vital system will be put on hold despite the fact that more than two-thirds of U.S. territory already has been outfitted with the hardware necessary for implementation.

The Bush administration has convincingly recognized the need for strengthening the nation's commitment to GPS and augmentation systems like NDGPS. On December 15, 2004, the president signed a policy document directing a much more aggressive approach toward building, improving, and maintaining nationwide GPS. In the document, the president directed the U.S. government to provide on a continuous, worldwide basis, civil space-based, positioning, navigation, and timing services free of direct user fees for civil, commercial, and scientific uses, and for homeland security.

AAG Executive Director Douglas Richardson picked up on this in the letter to Congress, asserting, "The NDGPS is essential to a number of national needs, including highway transportation, homeland security, agriculture, environmental protection, railways, meteorology, dredging, surveying, and mapmaking, as well as to many of the researchers and educators included in our nationwide membership of over 9,000." The AAG also plans to write to DOT urging greater funding for the program in future presidential budgets.

Colorado Teacher Suspended for Displaying Flags

On August 28, AAG Executive Director Douglas Richardson wrote to Cindy Stevenson, superintendent of the Jefferson County, Colorado School District, to protest recent administrative actions taken against Eric Hamlin, a seventh grade geography teacher at Carmody Middle School. Hamlin, in a case that drew significant media attention, was placed on leave for displaying various international flags in his classroom, supposedly in violation of state law.

Stevenson's office has cited Colorado Revised Statute 18-11-205, which states: "Any person who displays any flag other than the flag of the United States of America or the state of Colorado or any of its subdivisions, agencies or institutions upon any state, county, municipal or other public building or adjacent grounds within this state commits a class one petty offense." Richardson and others defending Hamlin, however, have noted that the law permits an exception for "the display of any flag ... that is part of a temporary display of any instructional or historical materials not permanently affixed or attached."

In the letter to Stevenson, Richardson wrote, "As our nation continues to face the threat of conflict around the world and reflect on the lessons of the Hurricane Katrina disaster, the subject of geography is more important than ever. Despite this, we are confronted with staggering rates of geographic illiteracy among individuals at nearly all levels of education attainment. Accordingly, students all across America should be encouraged to study geography and learn about the world around us." Calling Hamlin's case "astounding," Richardson asked Jefferson County officials to return Hamlin to active duty as soon as possible and asserted that "Mr. Hamlin and teachers like him should be encouraged and applauded in their efforts, not sidetracked by silly actions such as the ones taken against him."

Academic Freedom Attacked in Iran

Since taking office a year ago, Iranian President Mahmoud Ahmadinejad has used his power and influence to push liberal and secular professors and instructors out of his nation's universities. In his most forceful move, Ahmadinejad named a cleric to head Tehran University earlier this year, the first time a religious figure has been in charge at the nation's oldest higher learning institution. The appointment hastened the retirement of dozens from teaching positions at Tehran and sparked strong protests.

In a recent address to university students, Ahmadinejad called on his hard-line followers to pressure institutions into dismissing moderates in teaching positions. These tactics have followed closely on methods the he has employed in forcing adversarial bureaucrats out of government and diplomatic positions. As head of the country's Council of Cultural Revolution, Ahmadinejad has the authority to make university-level changes himself, but Iranian observers suspect he is reticent to directly confront the numerous moderates that remain in key positions at Tehran and other higher learning institutions.

In recent months, the U.S. State Department has condemned Iran's human rights violations, including those of students. An August 1 press statement by department spokesman Sean McCormack asserted: "The Iranian government's severe repression of dissidents...is part of a deliberate campaign to silence the student movement in particular, and civil society more broadly... We call on the Iranian government to respect the human rights of all Iranian citizens, including students, members of religious minorities, workers, and women, and to release those arrested and imprisoned as a consequence of defending universally accepted human rights and freedoms."

John Wertman
jwertman@aag.org

Gatrell is New PG Book Review Editor

Jay D. Gatrell, associate professor of geography and acting associate dean of the College of Arts & Sciences at Indiana State University, begins a four-year term as book review editor for *The Professional Geographer* in January 2007.

Gatrell earned his PhD from West Virginia University and his MA and BS from the University of Toledo and Eastern Michigan University, respectively. He is an economic geographer whose interests include economic development policy and the emerging importance of culture in

the economic development process. Gatrell's research has been published in a variety of journals including *Political Geography*, *GeoForum*, *Journal of Geography*, *The Professional Geographer*, *Economic Development Quarterly*, *GIScience & Remote Sensing*, *Tijdschrift voor Economische en Sociale Geografie*, *Space & Polity*, and *Applied Geography*.

He has authored, co-authored, or co-edited four books and his work has been



Gatrell

published as chapters in several collections.

Additionally, Gatrell was a founding co-editor of *The Industrial Geographer*—now housed at the University of North Carolina at Charlotte. He is a member of the AAG's Regional Development & Planning Specialty Group and participates in the IGU's Commission on the Dynamics of Economic Spaces.

Doshi Receives IDRF Fellowship

Sapana Doshi, a geography graduate student at the University of California, Berkeley, recently received an International Dissertation Research Fellowship (IDRF). The award



Doshi

will support her research on "Participatory

Resettlement, Exclusionary Redevelopment: Gender, Citizenship and Eviction Politics in Mumbai, India."

Full-time graduate students in the humanities and social sciences are eligible for IDRF fellowships. The fellowships, awarded by the Social Science Research Council in partnership with the American Council of Learned Societies, are given to students enrolled in doctoral programs in the United States who may be conducting

dissertation field research in any area or region of the world. Fifty fellowships of approximately \$20,000 are awarded annually with funds provided by the Andrew W. Mellon Foundation.

Further information about deadlines, application procedures, selection criteria and recently funded IDRF projects can be found at www.ssrc.org/programs/idrf. The deadline for applications is **November 1, 2006**.

Supporting Hotel Unions and Protecting the AAG from page 2

or policy, we have supported INMEX and its principles. This organization has been useful to me in assessing our options in the most informed way possible, and in sending clear messages to hotels of our positions on the dignity and rights of hotel workers.

In this respect, I would like to personally thank AAG member Chris Neidt and INMEX staff member Jason Ortiz who, while remaining effective advocates for the UniteHere hotel workers union, also provided thoughtful and accurate information to me during the past year and were sensitive to the needs and motivations of the AAG leadership as we struggled to deal with the complexities of our situation.

Finally, the AAG also hired very capable new attorneys with experience in labor disputes and meeting contracts, and worked

closely with them to analyze our legal options as well as the language in our current and future hotel meeting contracts. While it is a myth that hotels will agree to contract language that would allow organizations such as the AAG to simply walk away from a meeting at our own discretion without financial penalty, there are a few mechanisms to limit the extent of potential damages in the event of a decision to cancel a meeting. I should also note that moving a meeting of our size and complexity on short notice is really not a viable option logistically, and it still would require abrogating a contract for the original meeting venue.

We were successful this year both in supporting the hotel workers and in protecting the AAG treasury. However, protecting the AAG's financial underpinnings

in the face of hotel labor disputes is a challenge the AAG will continue to face in the future. Some of my colleagues at other progressive associations have likened entering into contracts for large annual meetings in today's labor climate to a form of Russian roulette. But we've dodged the bullet for the time being, and we are better prepared for future uncertainties.

So, let's congratulate the union hotel workers and the hotel on a good contract when we see them in April, and move full speed ahead on the planning of our sessions and special events for our 2007 AAG Annual Meeting in San Francisco, where we did not leave our heart.

Doug Richardson
drichardson@aag.org



Mosley-Thompson

Ellen Mosley-Thompson is a University Distinguished Scholar in the Department of Geography at Ohio State University and a research scientist at the Byrd Polar Research Center. She

examines the chemical and physical properties of glacial ice from Antarctica and Greenland, as well as high elevation low-latitude glaciers, to help unravel the Earth's climate history, provide data for determining the mass balance of the Greenland ice sheet, and to help explain abrupt climate changes.

Ellen has spent more than thirty years at Ohio State University (OSU). She earned a BS in physics at Marshall University, and an MA and PhD in geography (climatology) at OSU.

The careers of Ellen and her husband Lonnie Thompson, a professor of geological sciences at OSU, are the primary focus of the book *Thin Ice*, by Mark Bowen (Henry Holt & Co., 2005).

AAG: Your undergraduate degree was in physics. How did you come to be a geographer?

Ellen: I had originally started a master's program in physics at Miami University [Ohio] but I saw many new PhDs having trouble finding jobs so instead of going forward I decided to work for a while. I spent one year teaching junior high math in my hometown and then in 1971 I came to Ohio State University (OSU) where Lonnie, my husband, was a grad student. I found climate and atmospheric dynamics to be interesting and one day I saw an ad in the geology department that said, "Interested in Climate and Weather? If so, apply for a fellowship in atmospheric sciences." So I applied and got a fellowship.

AAG: When did you start working with polar ice?

Ellen: In 1973 I started with the Institute of Polar Studies which later became the Byrd Polar Research Center. Following the first deep ice cores drilled to bedrock in Greenland in 1966 and Antarctica in 1968, my

master's thesis was to work on dust concentrations in those ice cores. For my PhD I analyzed and interpreted the dust content in a 1,000 year record from the South Pole Station. Lonnie also did his master's on dust concentrations in glacial ice so together we became the world's experts on dust in ice cores.

AAG: You were part of an emerging field of research.

Ellen: Paleoclimatology is a relatively new endeavor. It's only been for about 100 years that people have realized that glaciers waxed and waned and for that matter only for the last sixty that people have accepted plate tectonics. Ice cores are a tremendous window into the past.

It was basic research no one had done and through it we could look back at the physical and chemical state of the atmosphere to understand the history of the Earth's climate.

Later, we were the first to drill ice cores in the Andes, Himalayas, and on Kilimanjaro. After all, people don't live at the poles. In the tropics we can use ice core records to look at the history of changes in systems such as the monsoons, El Niño Southern Oscillation (ELSO), and hurricanes.

AAG: How does geography fit in?

Ellen: Sometimes people—especially geologists—ask me why we should be worried about the impact of human activity on the atmosphere, since there have been plenty of large climate changes in the Earth's history. I tell them that we now have 6.4 billion people on the planet and nearly half of them are living in coastal regions. I think geography is key to that kind of understanding. It really gives me a broader perspective that includes consideration of the social, economic, and political implications of climate changes for people. The Earth system no longer functions in isolation from human activity. Today humans move more sediment than all the rivers of the earth!

AAG: What are your goals for future research?

Ellen: Right now our guiding questions are: How will the loss of glaciers in the Andes

of South America, as well as on Kilimanjaro and in the Himalaya affect water resources for people living in the region? Are the Greenland and Antarctic ice sheets losing or gaining mass and how does this affect global sea level? What is the role of volcanic activity in short term climate variability? We're trying to reconstruct the history of monsoon failures and identify more reliable paleoindicators of variability in ELSO.

AAG: How did you get involved the global climate change arena?

Ellen: I was a member of the National Academies of Science Board of Global Change in the mid 1980s. We were charged to formulate the U.S. Global Climate Change Research Program—a national plan for global climate change. We were beginning to realize the scope of anthropogenic climate change and we had lots of data but very little of it was linked.

AAG: How did your geographic approach inform this effort?

Ellen: We had an expression, "taking the pulse of the planet." We tried to think of the planet as a patient and come up with a list of key health indicators. We came up with a big list of physical observations, but quickly realized that we needed to address the social aspects of the problem.

AAG: What achievements are you most proud of?

Ellen: As far as contributions with lasting effects, what we did as a committee on the [NAS] Board on Global Change has resulted in a very vibrant program for studying climate change. From a personal perspective I really promoted high-resolution studies within the ice-core community—that is, changes over years, decades and centuries, rather than millennia, because those are the time scales on which climate changes affect people. Lonnie and I also lead the glaciology community from the poles into the tropics. And from the non-scientific side I'm proud to witness the increase in the number of women in geophysics. I started going to Antarctica in the 1980s and was one of the first women to lead my own field teams there. I like to think I helped open the door for other women.

The Sands of San Francisco from page 1

justifiable reputation for political moxie, it is no surprise that this is a fiercely contested city.

The city you see around you is the sixth major iteration of urbanism on the San Francisco peninsula (let alone indigenous settlements for several thousand years before). A Spanish/Mexican town, with requisite plaza, was erased by the Gold Rush, but not entirely; Portsmouth Plaza is still there, the lot sizes are of Spanish dimensions, and the street grid breaks at Market Street to integrate the town and the Mission Delores out by Twin Peaks. The Gold Rush city, a jackstraw city of wooden buildings looking like any mining town, was draped at the feet of Telegraph, Nob, and Rincon Hills—the latter now barely visible under the weight of the Bay Bridge and approaching freeways. It was during this era that Yerba Buena cove was filled. The area east of Kearny Street sits atop graves of the cove's abandoned ships and wharves. The center of that city though is still visible in the small brick buildings now called Jackson Square, just north of the Transamerica Pyramid. Later, this was the notorious Barbary Coast, the playground of America's most sinful and second most cosmopolitan city—two other legacies of the great migrations of the 49ers. All along the bay was the busiest waterfront on the west coast.

A proper Victorian city took shape after the Civil War, as San Francisco became a regular center of commerce and finance for the Pacific slope. A business district developed along Montgomery Street, South of the heart of the previous city. A shopping district for fine ladies and gentlemen opened up along Bush and Sutter Streets and later filled in around Union Square. The streets and blocks were regularized, and the city extended through the Western Addition and out to the Mission district. Cable cars climbed the hills and opened up new suburbs. A great park was begun on the dunes that still blew sand in drifts all the way to where the Civic Center now sits solidly paved. Proper city houses were constructed by the thousand in stately rows all the way to the Haight, with false fronts to

make them look higher and more urbane. But all was not orderly. Industry grew along the bay waterfront from North Point to Potrero Point, and rough and tumble Irish and German working class neighborhoods sprang up behind. The South of Market area was an especially dense warren of boarding houses and small homes for large families. A volatile working class challenged the city burghers in the Workingmen's Party of the 1870s and again in the Union Labor Party of 1900-06, and got a new Constitution for California in 1881, but their most notorious legacy was the Chinese Exclusion Act of 1882.

When the city shook and fell down in the earthquake of 1906, many of those working class people met quick deaths—which were hushed up by the city fathers so as not to further besmirch the good name of the city by the Golden Gate. Two-thirds of the city was lost to the fires that burned for days, leaving a necklace of Victorian districts to the west and nothing in the heart of the city. The great mansions of the silver "kings" and railroad barons on Nob Hill were erased as surely as the humble dwellings of Chinese, Italian, and Irish workers. San Francisco was rebuilt as fast as possible. It was a new and different city that rose from the ashes. Most of the San Francisco beloved of tourists is not the Victorian city, but the reconstructed Edwardian city built in 1906-15 and made up of mid-rise apartments and residential hotels which still

prevail east of Van Ness Avenue (it is this incarnation of the city where Dashiell Hammett wrote the *Maltese Falcon*). San Francisco ended up with more such rental units per capita than any other city in the United States. The prosperous working class got small homes to the south in the Mission, on Potrero Hill and out beyond Bernal Heights, and in North Beach. The rich moved west along the ridge tops of Pacific Heights, and into new suburban enclaves on Twin Peaks, near the Presidio, down the Peninsula. The city celebrated its rebirth in the 1915 world's fair, the Panama-Pacific Exposition, on an area of bay fill along the northern shore. The area was afterward converted by real estate developers into the Marina District. Elsewhere, a grand new City Hall was constructed, complete with gilded dome.

The Edwardian city was rounded out in the 1920s with an Opera House and Civic Center, bold new skyscrapers downtown, and a brand new waterfront walled off from the city. Then came the stagnation of the Great Depression and the immense building program of the New Deal, which gave the city dozens of schools, an aquatic park and a wealth of social realist murals (as at Coit Tower). But World War II turned everything on its head again. San Francisco prospered from the Pacific war, and its leading capitalists were poised to remake the city as a postwar gateway to the American century. Urban renewal was to be the vanguard of an expanded corporate downtown with feeder lines of freeways and BART (Bay Area Rapid Transit) to bring in business commuters from the burgeoning suburbs. The Yerba Buena project broke across the barrier of Market Street to take out the Third Street skid row, Embarcadero Center replaced the wholesale produce market, and the Western Addition's thousands of



These apartments built on Nob Hill following the 1906 earthquake helped create yet another identity for San Francisco.

Continued on page 12



AAG Annual Meeting

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Photos courtesy of the San Francisco Convention & Visitors Bureau Photo

AAG 2007 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. 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 December 16, 2006 will incur a 25% cancellation fee. Requests received by March 10, 2007 will incur a 50% cancellation fee. Requests received by April 15, 2007 will incur a 75% cancellation fee. Requests received after April 15, 2007 cannot be processed.

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MyCOE: Making a Difference with Geography in Kenya and Around the World

When young people use geography for sustainable development, they can make a difference in their own communities and around the world.

Peter Ndunda is such a young person. Ndunda is a Kenyan geographer and alumnus of the initial year of the AAG-coordinated My Community, Our Earth (MyCOE) program in 2002. He plans to join Nobel Peace Prize recipient Wangari Maathai's Green Belt Movement in Kenya, after finishing the final weeks of a position at the World Bank. In a recent conversation with the AAG, Ndunda described his experiences with geography, the MyCOE project, his commitment to sustainable development, and the educational and career opportunities that he has had since 2002.

Peter grew up in a rural area of Kenya called Mitaboni. Twice a day he walked to the area's closest primary school ten kilometers from his home. His good grades earned him a place in high school, and upon graduation, he was accepted in the geography program at Moi University. Peter said of his decision, "I decided to focus my studies on geography so as to equip myself with the basics of 'what is on, above and below the Earth's surface—i.e. Earth's natural resources. In my third to fourth year of undergraduate study I focused on GIS and remote sensing techniques in order to learn the techniques that I would need in spatial decision making to make a real contribution in solving natural resource management issues—including the environmental problems, and urban and regional planning issues in my country."

In his third year of university, Peter attended the Africa GIS Conference in Kenya, where he heard keynote speaker Carmelle J. Tebrorh (nee Cote) give a keynote address on the power of geography and GIS. She also spoke about the newly started MyCOE program and its goal of promoting sustainable development through geographic learning. Peter was inspired. After the meeting, he decided to organize a GIS Day on campus and formed

a team of fellow students to do geography projects and presentations. That year his team presented their research at a national scientific exhibition attended by Kenya's president.

The next year, Peter devised a monumental project for the MyCOE program. He concentrated on land use mapping of environmental problems in an area of Mombasa called Changamwe, looking at issues of soil erosion, garbage dumping in public streets (a health hazard that sometimes blocked entire roadways), and flooding and health problems in slums near sewage drainways. These were all issues that Peter grew up seeing and he wanted to do something about them. He made sure that after his study was completed, copies of his MyCOE project were given to local lawmakers along with an action plan with an analysis of which areas most needed remediation and which were at the greatest risk.

As a result of his project, Peter was one of four international students who received sponsorship to attend the 2002 ESRI User Conference. It was at that conference that he met two individuals he would later work with, Cynthia Moss and Harvey Croze from the Amboseli Elephant Research Project.

Not only did his hard work on a MyCOE project help bring him to a geographic conference in the U.S. but, Peter says it shifted his thinking toward community involvement. While school felt abstract and grade-driven, the MyCOE project exposed him to many different people including officials at the Ministry of Environment, and encouraged him to try to make a difference and engage issues in the local community.

He said, "the project changed the way I viewed my role in the community—I felt more responsible for my own actions and how they affected others," and he took on the responsibility of being a role model for conduct that would help the community.

Peter finished his BA in the same year and took his first geographic job with



Ndunda

ESRI's Eastern Africa regional distribution group. Later he joined the Amboseli Elephant Research Project where he developed a land use GIS database to foster sustainable conservation of the elephants in Kenya.

In the fall of 2004 Peter began the master's of science in GIS program at the University of Redlands. While enrolled in school, he found time to devise and carry out a modeling and research project creating visualizations of soil erosion in San Mateo, California. The project won second place in ESRI's 2005 Best Practices in Science Modeling Global Contest. His graduation project at the Redlands was to design an enterprise GIS campus.

Despite Peter's desire to return to Kenya, after graduating from the University of Redlands he took a position in Washington, D.C. at the World Bank as a geoinformation consultant. He viewed his work at the World Bank as a way to help people by working towards the resolution of environmental and sustainable development challenges around the world. While at the World Bank, he was introduced to Dr. Wangari Maathai, recipient of a 2004 Nobel Peace Prize and leader of the African "Green Belt Movement." When Maathai offered him a job establishing a GIS for the Green Belt Movement's reforestation efforts, he eagerly accepted. Not only will he now be able to work on sustainable development issues in Africa by helping to analyze historical land cover changes, map reforestation efforts, provide information required to monitor and manage forests, and support decision making for land use planning and regulatory requirements, but he is also happy to be returning to Kenya to continue making a difference at home.

The AAG acts as secretariat for the MyCOE program. For more information contact Matt Koeppe at mkoeppe@aag.org or visit www.geography.org/sustainable.

The Sands of San Francisco from page 8

Victorians were leveled—chiefly to remove the city's first ghetto, created by wartime shipyard workers filling vacant homes in the Fillmore neighborhood after Japanese removal. Corporate towers in the international style soared to new heights, led by Bank of America in 1969, and a new downtown began to take shape. Manufacturing and the working class city fell back to the south. But revolt broke out, stopping the freeways, saving Chinatown, Jackson Square, and the Tenderloin, and halting Yerba Buena for years. San Francisco was not torn down as completely as many U.S. cities, and remained a redoubt for beats, hippies, and queers as well as banks.

By the 1980s, the urban world was on the move again. Popular struggles were blunted (not least by the assassination of Harvey Milk in 1977) and the counterculture was transformed into consumer culture in the era of the yuppie. San Francisco looked richer and sleeker than ever, restaurants and hotels sprouted everywhere, and the tourists and global shoppers poured in. Skyscrapers sprouting South of Market sported postmodern jackets and commercial design grew flashier. The wheels of commerce were greased by immigrants, especially Chinese, Filipinos, and Central Americans, who formed the new class of workers and small business owners. But San Francisco's old-line banks and corporations were stumbling. The financial district was moving into a new era of securities trading, investment banking and venture capital, led by the likes of Charles Schwab, and was growing more tied to East Asia. But the real earthquake was the rise of Silicon Valley and its companies to preeminence within the Bay Area and the international world of high tech, leaving San Francisco more of a cultural museum and tourist destination than the heart of the regional economy.

In the great boom of the 1990s, propelled by the NASDAQ stock bubble, San Francisco joined the high tech party through investment bankers like Montgomery Securities, dot-com startups by the hundreds (from Webvan to Pets.com), and Internet vanguardists such as Craigslist, *Wired*, and *The Industry Standard*. The city became a leading symbol of the New Economy, trumpeted around the world as the neo-liberal answer to fading social democracy. In the process, the urban landscape continued its metamorphosis to a land of finance and fantasy. The shopping and entertainment district from Union Square to Yerba Buena were remade, a new ballpark went up at China Basin, and the whole South of Market was changed forever from a humble place of work and mixed uses into a scene of loft-living for the young and well-paid. The dot-coms seized all available warehouse space, transforming it into hip offices and driving out artists and working families. At the peak of the boom, San Francisco office space briefly topped Manhattan, at over \$100 per square foot. The tidal wave of development crashed against the Mission District, grabbed the old rail yards of Mission Bay, and transformed the waterfront. Battles over space broke out all over the city, as Latinos, artists, renters, and others made common cause against developers and their friend in City Hall, Mayor Willie Brown.

In 2000, however, the NASDAQ party fell silent, a victim of its own speculative excesses. The dot-coms disappeared, the investment banks folded, commercial rents collapsed, and the New Economy breathed its last. San Francisco got a reprieve, as "for rent" notices sprouted like weeds, trendy restaurants went belly up by the score, and the creative class slunk back to Ohio. But the city paid yet again, as it was hit by the

worst local downturn in fifty years. The Bay Area bled profits, suffered mass bankruptcy, and sacrificed 10% of all jobs lost in the recession nationally. On top of this, tourism collapsed in the wake of the Twin Towers coming down, a gut check to the city's biggest jobs generator. Homelessness swelled, the civic coffers emptied out, and the "Governator" came calling.

The economy started to revive by 2004 on the back of the housing boom triggered by the Federal Reserve Bank's draconian cuts in interests rates (to save the national economy from a nose-dive). But in a new irony, San Francisco homes became the most expensive in the nation (after Palo Alto held that honor in the 1990s), unaffordable to 90% of its populace. Gentrification pushed deeper into former working class redoubts such as the Outer Mission and Potrero Hill, and young families bailed out to the burbs, some commuting two hours each way from the Central Valley. In turn, developers shifted from commercial offices to high-rise condo construction around the central city, and fifty-story condo towers for the elite are sprouting at the foot of the Bay Bridge, forever changing the city's skyline. Tourism rebounded and hotels filled, but hotel workers were locked out for wanting a better share of the profits from selling the city.

If great cities never sleep, neither does the restless flux of capital, a world on the move, or the spirit of the people, and you can see them at work all around you in San Francisco, turning the hardscape of the city back into sand, only to build new castles on the Pacific shore.

Richard A. Walker
walker@berkeley.edu

**The deadline for 2007 AAG Annual Meeting abstract submissions has been extended to November 9, 2007.
See <http://www.aag.org/annualmeetings/SF2007/index.cfm> for the full Call for Papers.**

Nominations Sought for Blaut Award

The AAG's Socialist and Critical Geography Specialty Group (SCGSG), with the co-sponsorship of *Antipode*, will present the second James Blaut Award and Memorial Lecture at the 2007 AAG Annual Meeting. To honor James Blaut's efforts, the award will recognize a scholar who, over the course of her/his life, has (1) used a geographic and historical analysis of capitalism to explain current social injustices and inequalities; (2) promoted activism against oppressive power relations both within and outside the academy; and (3) bridged socialist theory and practice. The awardee will be expected to deliver the James Blaut Memorial Lecture at the 2007 AAG

Annual Meeting held April 17-21 in San Francisco, California.

James Blaut's passing in 2000 was a great loss to the academy and liberation struggles around the world. A radical geographer, Jim worked indefatigably on issues of social justice and inequality; enhanced our understanding of racism, imperialism, and Eurocentrism; and contributed directly to the advancement of socialist and anti-colonial struggles.

Nominations for the James Blaut Award and Memorial Lecture should include the nominee's curriculum vita and two letters of recommendation, one from an academic and one from an activist working outside the academy. The recommen-

dation letters must speak to the scholarly and wider social value of the nominee's work. The award, along with a \$500 honorarium, will be presented at the James Blaut Memorial Lecture and will be announced at the awards luncheon during the 2007 AAG Annual Meeting. The award will be presented annually.

The deadline for nominations for the James Blaut Award is **December 1, 2006**. Email submissions are accepted. Please forward nominations to the SCGSG committee chair: Christopher W. Niedt, Department of Geography, University of California, Berkeley, CA 94720-4740. Phone: +1 443-306-5700. Fax: +1 510-642-3370. Email: niedt@berkeley.edu.

Members of Note

After more than three decades at the University of Washington (UW), including eight years as dean of the College of Arts and Sciences, geographer **David Hodge** resigned in June 2006 to



Hodge

become the twenty-first president of Miami University (MU). Hodge served as chair of the UW Geography Department 1995-97.

David R. Meyer, professor of sociology and urban studies at Brown University, will be a Visiting Professor of Business at the Olin Business School at Washington University in St. Louis for the 2006-07 academic year.

Past AAG President **Richard Marston** of Kansas State University was elected to the Advisory Board of the Mountain Studies Institute (MSI), an independent, non-advocacy, not-for-profit mountain research and education institution and

high-altitude field station established in 2002 in Silverton, Colorado. MSI's mission is to enhance understanding and sustainable use of mountains through research and education.

Geographer **Doug Orr** retired as president of Warren Wilson College in Asheville, North Carolina this spring. During Orr's fifteen year term, college enrollment doubled.

An editorial by **William G. Moseley**, assistant professor of geography at Macalester College in Saint Paul, Minnesota, appeared in the August 8, 2006, *International Herald Tribune*. The article, "America's Lost Vision: The Demise of Development" concerned the shift in U.S. international development goals.

Nancy B. Hultquist, professor at Central Washington University, received the 2006 Summit Award, presented by the Washington State Chapter of the Urban & Regional Information Systems Association. The award goes annually to the Washington GIS Person of the Year at

the annual Washington GIS Conference.

Richard Greene, associate professor of geography at Northern Illinois University, was quoted in "Gini Out of the Bottle," an article by Sarah A. Klein in *Chicago Business*. Greene spoke about the geographic cleavages in Chicago that are part of the economic divide measured by the Gini coefficient. The article is available online at <http://chicagobusiness.com>.

Doug Goodin of Kansas State University was interviewed about his project on the Hantavirus on the international science radio program "Earth and Sky" on August 8, 2006. The program, "Using satellite data to track disease," focused on how human-induced landscape changes can affect the habitat of disease host organisms. A transcript and audio file are available at www.earthsky.org/shows/show.php?date=20060805.

Bimal Paul of Kansas State University participated in an August 23, 2006, Voice of America radio program in Bengali discussing global interfaith conflicts.

AAG International Geographic Information Fund Awards

The AAG International Geographic Information Fund (IGIF) offers three types of awards: Student Travel Grants, Graduate Research Awards, and Student Paper Awards. These awards are intended to support full-time students who are currently registered in an undergraduate or graduate degree program at a duly accredited and recognized college, university, or other educational institution within the United States, and who are working in any area of spatial analysis or geographic information science or systems (SA/GISS).

This year, one or more AAG-IGIF Student Travel Grants in the amount of approximately \$500 will be awarded.

Grant monies can be used for the support of student travel to national and international symposia or specialized meetings sponsored by recognized professional organizations associated with SA/GISS.

Also, one or more AAG-IGIF Graduate Research Awards of up to \$500 will be made in support of graduate research proposed by a student in any area of SA/GISS.

Additionally, one or more AAG-IGIF Student Paper Awards of up to \$200 will be made in recognition of outstanding student papers in any area of SA/GISS given at a national and international conference or specialized meeting sponsored

by recognized professional organizations held during 2006.

For complete information on all IGIF awards visit www.aag.org/Grantsawards/IGIF.cfm.

To apply for an AAG-IGIF award, please submit completed application materials in an email attachment to grantsawards@aag.org with the title of the appropriate IGIF award in the subject line. Alternately, completed applications can be mailed to: Association of American Geographers, AAG-IGIF (fill in subject) Award, 1710 Sixteenth Street NW, Washington, DC 20009-3198. The deadline for applications is **December 31, 2006**.

AAG Welcomes Workshop and Field Trip Ideas

The AAG is currently seeking field trip and workshop ideas for the upcoming 2007 AAG Annual Meeting in San Francisco. Workshops and field trips are an excellent way for meeting attendees to learn about the geography of the San Francisco region in an interactive environment and to explore geographic topics from the physical to the human to the oenological. If you are interested in organizing a field trip or workshop for San Francisco, visit www.aag.org/annualmeetings for the appropriate submission forms or contact Oscar Larson at meeting@aag.org for more information. Early proposal submission is encouraged. Field trips and workshops established early typically have higher participation rates.

Consistent with the AAG's effort to promote the fair and equal treatment of members, field trips organized by AAG members or specialty groups at the annual meeting will, as a rule, be open to all members. In instances where a member or specialty group wishes to organize a field trip that explicitly excludes any group of AAG members, the organizer will petition the AAG Council for an exception to this policy by the date when field trip proposals are due. If Council grants the

exception, notice will be given in the AAG *Newsletter*, along with an explanation of the reason for the exception.



Unique physical and cultural geographies intersect in downtown San Francisco.

AAG Book Awards

Each year, the AAG confers three book awards, the John Brinckerhoff Jackson Prize, the Meridian Award for the Outstanding Scholarly Work in Geography, and the Globe Book Award for Public Understanding of Geography. Nominations are now invited for these awards, and should be submitted by **December 31, 2006**.

AAG Meridian Book Award for 2006

Authors who have published books in calendar year 2006 are eligible for the AAG Meridian Award for the Outstanding Scholarly Work in Geography. The award is made for a book that makes an unusually important contribution to advancing the science and art of geography. Winners will be recognized at the 2007 Annual Meeting in San Francisco and an award of \$1,000 each will be made for a book written or co-authored by a geographer.

Nomination statements (two page maximum length) should specify the award for which the book is being nominated and document the ways the nominated work meets the applicable criterion. Please submit nomination statements and four copies of each nominated book to Book Awards, Association of American Geographers, 1710 Sixteenth Street NW, Washington, DC 20009 no later than **December 31, 2006**.

Visit www.aag.org/Grantsawards/meridian_book_award.cfm for details.

AAG Globe Book Award for 2006

Authors who have published books in calendar year 2006 are also eligible for

the AAG Globe Book Award for Public Understanding of Geography. This award is made for a book that conveys most powerfully the nature and importance of geography to the non-academic world.

Nominations are made in the same manner as the Meridian Award (see above), and should be received no later than **December 31, 2006**.

Visit www.aag.org/Grantsawards/globe.cfm for further details.

AAG John Brinckerhoff Jackson Prize for 2006

The AAG's Jackson Prize was established to encourage and reward American geographers who write books about the United States that convey the insights of professional geography in language that is interesting and attractive to a lay audience. The prize, which carries an award of \$1,000 to the author, is for books published during the calendar year 2006.

J. B. Jackson founded the magazine *Landscape* in 1951 and remained its owner and editor until 1968. After he retired as editor, he spent more than a decade writing about landscape and teaching celebrated courses in the history of vernacular landscapes at Berkeley and Harvard. The AAG's Jackson Prize is dedicated to encouraging the kind of thinking and writing to which J.B. Jackson devoted much of his life: to encourage Americans to look thoughtfully at the human geography of their own country; to try to understand how that geography came to be and what it signifies; and to convey that understanding to the public at large.

Eligibility: J.B. Jackson and his friends established the prize to recognize American geographers who write serious but popular books about the human geography of the contemporary U.S. The prize is restricted to books written by geographers, with preference given to those by U.S. citizens or permanent residents. Textbooks, dissertations, and articles are ineligible. Special consideration will be given to books that are carefully designed, appropriately illustrated, and physically appealing. The selection committee reserves the right to make no award in a particular year. Awards are announced in conjunction with the Annual Meeting of the AAG.

Publishers are invited to submit entries for the Jackson Prize competition by **December 31, 2006**, and should forward one copy of the book to each of the four committee members: Michael P. Conzen (chair), Committee on Geographical Studies, University of Chicago, 5828 S. University Avenue, Chicago, IL 60637-1583; Karl B. Raitz, Department of Geography, University of Kentucky, Lexington, KY 40506-0027; Richard Francaviglia, Center for Southwest Studies, Box 19497-Central Library, University of Texas at Arlington, Arlington, TX 76019-0497; and Susan Hardwick, University of Oregon, Department of Geography, Eugene, OR 97403-1251.

For more information about the Jackson Prize, see www.aag.org/Grantsawards/Jacksonprize.html or contact Michael P. Conzen (chair) at 312-702-8308 or m-conzen@uchicago.edu.

AAG publications including the new *GIS&T Body of Knowledge* are available online at the AAG Online Store at <http://www.aag.org>.

Philippe Foret (Swiss Federal Institute of Technology, Zurich) received a \$45,000 grant from the Gerda Henkel Foundation for a study of the geographical exploration of Western China. The two year project, "The Contributions of the Sino-European Survey Expeditions to the Understanding of the Environmental History of Xinjiang and Inner Mongolia," will discuss the significance of Central Asia for the history of theories on sustainable development and climate change.

Carlos Cordova of Oklahoma State University received a research fellowship of \$20,000 from the National Endowment for the Humanities (NEH) and the American Center of Oriental Research (ACOR) for field research in Jordan and South Africa for the project, "Linking Flora, Fauna, and Climate in Prehistoric Contexts Using Assemblages of Phytoliths and Paly-nomorphs in Southwest Asia and Africa." The fellowship includes a travel grant and a stipend for four months of field research in 2007. This research will attempt to build a collection of opal phytoliths of flora for use in interpretation of phytolith assemblages collected from paleosols and archaeological deposits associated with early hominids and extinct fauna.

Wendy Wolford, assistant professor of geography at the University of North Carolina at Chapel Hill, was awarded a Sawyer Seminar from the Mellon Foundation for 2007-08. The seminar, titled "The Changing Nature(s) of Land: Property, Peasants and Agricultural Productions in the Global World," will include a year-long series of public talks, working group meetings, and mini-conferences that explore historical and contemporary transformations in land rights, agrarian mobilization, ecology, and agriculture. The Mellon Foundation will also provide funds for one post-doc fellow and two graduate students, to be recruited during the academic year 2006-07.

Lee Lines of Rollins College, **Michael Kuby** of Arizona State University, and

Ronald Schultz and **Zhixiao Xie** of Florida Atlantic University were awarded \$160,000 by the Florida Hydrogen Initiative, a part of the U.S. Department of Energy. Their project, "Location Strategies for the Initial Hydrogen Refueling Infrastructure in Florida," will identify optimal locations for hydrogen vehicle refueling stations in metropolitan Orlando and the state of Florida. In addition, they will assess the feasibility of a hydrogen-fueled rental-car fleet based at the Orlando airport.

Larry Band and **Martin Doyle** of the Department of Geography, University of North Carolina, Chapel Hill, received a grant from the U.S. Forest Service for \$74,098 for, "Development and Application of a Process Based Debris Avalanche Model for Western North Carolina." This project aims to integrate a process-based ecohydrological model that will incorporate the spatial distribution of vegetation canopy and root systems, and the mechanics of debris slides.



Hill

Miriam Helen Hill, associate professor of geography in the Department of Physical and Earth Sciences, received the Distinguished Teaching Achievement Award 2006 from the College of Arts and Sciences at Jacksonville State University in Jacksonville, Alabama.

Qihao Weng, associate professor of geography, and director of the Center for Urban and Environmental Change, was one of the three recipients of the Theodore Dreiser Distinguished Research Award in 2006 by Indiana State University (ISU). This award recognizes full-time faculty members who have made outstanding contributions to their disciplines, and represents the highest research honor ISU can bestow to its faculty.

Aaron Moody, associate professor of geography at the University of North Car-

olina, Chapel Hill, received a five-year, \$1.5 million grant from the Strategic Environmental Research and Development Program (SERDP), funded by the Department of Defense and EPA for a project entitled, "Habitat Connectivity for Rare, Threatened and Endangered Species on Military Installations." The project website is www.serdp.org/Research/upload/SI_FS_1471.pdf. Moody also received a three-year, \$358,158 grant from NASA for "Testing and Extending Biodiversity Paradigms and Their Sensitivities to Scale Through Integration of In Situ and Satellite Data." This project aims to develop scaling methods for the interactions of vegetation species productivity, stability, heterogeneity, and richness.

Conghe Song, assistant professor of geography at the University of North Carolina, Chapel Hill, received a three-year, \$350,000 award from NASA New Investigator's Program Award for, "Impacts of Land-Cover/Land-Use Change on Terrestrial Ecosystem Carbon Budget." The project goal is to estimate the impacts of land cover/land use change on net primary production from European settlement to the most recent urban expansion in the Triangle area of North Carolina.

AAG Past President **Richard Marston** is one of eight co-PIs from Kansas State University on a three-year \$598,000 grant from the USDA Cooperative State Research, Education and Extension Service (CSREES) to study "Land and Stream Sediment Process Restoration in an Agricultural Watershed."

Monica Lipscomb Smith, PhD student in the Department of Geography, University of North Carolina at Chapel Hill, received an EPA STAR Dissertation Fellowship. The award, "Spatial Arrangement of Urban Development: Impacts on Nonpoint Source Pollution," is for three years at \$37,127 per year.

Iraq Policy Sustained by Geographical Illiteracy

This op-ed is based on material previously published in the Chicago Sun Times on March 18 and August 26, 2006.

Almost no one has stopped to consider the role that geographical ignorance has played in the ongoing disaster in Iraq. Yet only a geographically illiterate public could have been hoodwinked by the characterizations of Iraq spouted in Washington after the invasion. With Iraq little more than a blank space in most people's minds, few could point to the obvious once the United States moved in: the importance of strengthening institutions such as the Iraqi army that promoted state nationalism (not recognized), the strategic advantages that could come from securing Iraq's borders against foreign intruders (not prioritized), the need to guarantee a sharing of oil revenues given the lack of significant oil fields in Sunni areas (not considered), and the value of showing that the U.S. had no long-term military designs on Iraq (not only ignored, but undercut as plans went ahead for new military bases).

The blinders that got us where we are today have not disappeared. The debate centers on what is going on inside Iraq itself. Yet what are the implications of the invasion of Iraq for the larger geopolitical picture? What impact has it had, for example, on America's influence in Southeast Asia? What role does Iraq play in widening the geographic scope of violent extremism? The crisis inside Iraq should not distract us from the gravity of such questions. Unless they become the focus of attention, the administration can con-

tinue to claim, without challenge from significant segments of the electorate, that Iraq is at the leading edge of its "war on terrorism."

The absurdity of this claim becomes clear when one considers that the Iraq invasion has been used relentlessly and effectively by those seeking to undermine American influence in other parts of the world. Al-Qaida sympathizers from Europe have gone to Iraq, and then returned to Europe in a position to wreak more havoc than they ever could have imagined without the training Iraq had provided them. We cannot have a serious discussion of the role of Iraq in the larger terrorism picture if such matters are not part of the conversation.

A democratic society depends upon a certain level of understanding and engagement on the part of its citizens. Yet the limited exposure of most Americans to the history and geography of the Middle East means that few are in a position to question the geopolitical vision advanced by the current administration. That vision was on display when Donald Rumsfeld addressed the Senate Armed Services Committee in early August.

If we leave Iraq soon, Rumsfeld said, "the enemy would tell us to leave Afghanistan and then withdraw from the Middle East. And if we left the Middle East, they'd order us and all those who don't share their militant ideology to leave what they call the occupied Muslim lands from Spain to the Philippines."

This statement casts the Middle East as a monolithic geopolitical node. Yet watch-

ing what is happening now in Iraq shows the naiveté of that image. The issue isn't just Shiites versus Sunnis; there are significant divisions along tribal, village, and political lines. Moreover, the perception that most of the region's states command little loyalty is manifestly wrong. In many respects state nationalism is a stronger force than Arab or Islamic nationalism. One would have to look long and hard to find animosity between two neighboring states as violent and deep-rooted as that between Iran and Iraq. Are Iranians and Iraqis really just one undifferentiated chunk of a common enemy?

In a world in which the gap between political rhetoric and reality is growing by the day, public accountability is impossible in the absence of a basic level of global understanding and inquisitiveness. There will always be differences of opinion on policy initiatives, but the Iraq venture has been conducted and promoted through a combination of on-the-ground illusions and unasked questions—all made possible by a geographically challenged general population.

The results now lie starkly before us. If we are to salvage anything reasonable from the wreckage and avoid similar policy pitfalls in the future, we can no longer let political grandstanding trump serious consideration of the cultural, political, and environmental character of the contemporary world.

Alexander B. Murphy
AAG President 2003-2004
abmurphy@uoregon.edu

A new column in the AAG Newsletter debuts this issue on page 23. "Forthcoming in AAG Journals" gives a preview of the scholarly articles to appear in the next issue of the *Annals of the Association of American Geographers* or *The Professional Geographer*.

Environmental Perception and Behavioral Geography SG

The Environmental Perception and Behavioral Geography Specialty Group (EP&BGSG) announces the 2007 **Saari-nen Student Paper Competition**. A \$200 prize is awarded for the best student paper, illustrated paper, or poster (graduate or undergraduate) presented in either environmental perception or behavioral geography at the 2007 AAG meeting in San Francisco. Entrants in the competition must submit a maximum twenty-five page version of their work. Papers must be based upon original research done as an undergraduate or graduate student and must be written entirely by the applicant. The deadline for receiving application forms and paper submissions is **February 23, 2007**. To apply for the Saarinen Student Paper Competition, fill out an application form available at www.dean.usma.edu/geo/geog/epbg/index.htm (full competition details are also available on this website.) Send completed application form and manuscript to: Dan Montello, Geography Department, University of California, Santa Barbara, Santa Barbara, CA 93106-4060. For questions contact Dan Montello via telephone (805 893-8536) or email montello@geog.ucsb.edu.

In addition, a maximum of five **Travel Grants** of \$130 each are available to qualified applicants. Preference for the awarding of a travel grant will be: 1) any student who competes in the Saarinen Paper Competition; 2) any student presenting a paper in either environmental perception or behavioral geography at the annual meeting. To apply for a Travel Grant, fill out an application form available at: www.dean.usma.edu/geo/geog/epbg/index.htm. Send completed application form and manuscript or refer questions to Dan Montello at the contacts noted above.

Geomorphology SG

The awards committee of the Geomorphology Specialty Group (GSG) invites students to participate in the **Grad-**

uate Student Paper Competition at the 2007 AAG meeting. Graduate students from all branches of geomorphology are encouraged to apply. If fitting, separate awards can be given for master's and PhD students. Students must be members of the AAG and the GSG to be eligible. Applicants for the student paper competition will be placed into special sessions organized specifically for the competition. Papers will be evaluated based on their research contribution to the field of geomorphology and on the effectiveness of the presentation. Student participants must be registered for the AAG meeting and submit an abstract online at the AAG website. After receiving a presenter identification number (PIN) from the AAG, mail (preferred) or email your application package to Michael Craghan, Middle Atlantic Center for Geography and Environmental Studies, P.O. Box 20, Manasquan, NJ 08736; or mcraghan@macges.org.

Middle East and North Africa SG

The Middle East and North Africa Specialty Group (MENASG) invites submissions for its first annual **Student Paper Competition**. The competition is open to anyone who presents a paper about the physical or human geography of the Middle East or North Africa at a professional meeting between April 12, 2006 and April 22, 2007. Awards in the amount of \$200 will be presented for the winning paper in each of the three categories: PhD, master's, and undergraduate.

Papers submitted to the competition must be developed from original research. PhD students who present a paper based on their master's work are eligible for the master's competition. Papers entered in other specialty group competitions are welcome to participate in the MENASG competition as well.

Application materials must be received by the awards committee chair no later than **February 15, 2007**. For application instructions and further details visit <http://menic.utexas.edu/menic/mesg/index.htm>. Forward the com-

plete package to the committee chair, Amy Mills, by email at amills@sc.edu. Please address questions to committee chair via email.

Water Resources SG

In addition to those already announced (see May 2006 AAG Newsletter) the Water Resources Specialty Group (WRSG) conferred the following **student research awards** at the 2006 Annual Meeting in Chicago: Research Paper, PhD level - Carrie Davis of Purdue University, Catalin Demian of West Virginia University, and Jinnieth Woodward of Shippensburg University; Poster, undergraduate level - Sarah Assefa, Kate Del Vecchio, Laura Merner and Isaac Payano of Clark University.

The WRSG also announces its annual set of **student research competitions**, and solicits nominations for the 2007 Distinguished Career Award in Water Resources. Student awards include a paper competition at the undergraduate, master's, and PhD levels (\$100 each), a poster competition at the undergraduate and graduate levels (\$100 each), and a research grant competition at the master's and PhD levels (up to \$300 each). The deadline for submissions to the student paper competition and the research grant competition is **February 2, 2007**; submissions for the student poster competition are due **October 26, 2006**.

The **WRSG Distinguished Career Award in Water Resources** is presented to recognize and honor the meritorious achievements of professionals in the field of water resources. The recipient of this honor need not be a member of the AAG or identify themselves specifically as a geographer, but their research must be deemed of great importance and relevance to geographers. Furthermore, this research must be largely concerned with or applicable to Water Resources in the broad sense of that term. The research may extend over a period of several decades but should also include evidence of active scholarship in the past ten years. Nominations for the

Continued on page 19

Distinguished Career Award must be received by **January 12, 2007**.

Specific instructions for all WRSG award competitions may be found on the WRSG website at www.cas.sc.edu/geog/wrsg/awards/awards.html. Send all corre-

spondence and materials (preferably via email) to Christine McMichael, Chair, WRSG Awards Committee, Institute for Regional Analysis and Public Policy, 110F Combs Building, Morehead State University, Morehead, KY 40351; [c.mcmichael@](mailto:c.mcmichael@moreheadstate.edu)

moreheadstate.edu. Announcements of the awards will be made during the WRSG business meeting at the 2007 Annual Meeting of the AAG in San Francisco.

Call for Papers

The Geographical Bulletin

The editor of *The Geographical Bulletin* is soliciting manuscripts for upcoming issues. The *Geographical Bulletin* is a peer-reviewed journal whose primary mission is to provide an outlet for undergraduate and graduate student articles. Non-student submissions are also welcome. To foster and encourage student publication, a "Best Student Paper" award with a monetary prize is awarded each year to the best paper authored solely by students. Students who are completing original research through a senior thesis or similar project are encouraged to submit the results of their research for publication. For a style sheet or for further information, contact Steven M. Schnell, Editor, *The Geographical Bulletin*, Department of Geography, Kutztown University of Pennsylvania, Kutztown, PA 19530. Phone: 610-683-1595. Email: schnell@kutztown.edu.

Southern Regional Science

The Southern Regional Science Association's forty-sixth annual meeting will be held in Charleston, South Carolina from March 29 to 31, 2007. Organizers invite papers on a wide range of topics in regional science. To presenting a paper, send an abstract of 100-200 words by email to the 2007 Program Chair Nancy White (nwhite@bucknell.edu). When there are multiple authors on an abstract, please include the address, phone number, fax, and email address for each author who will attend the conference. The deadline for abstracts is **December 15, 2006**. Submissions by email are preferred; however the chair can be contacted by phone at (570)577-3449 and by mail at Bucknell University, Department of Economics, Lewisburg, PA 17837. Visit the SRSA conference website for additional infor-

mation: www.regionalscience.org/srsa/conferencesub.htm.

The Geographical Review

The Geographical Review seeks manuscripts for volume ninety-seven (2007) and beyond. The new editor, Craig Colten and associate editors Dydia DeLyser and Andrew Sluyter, seek high-quality manuscripts representing the breadth of geographical inquiry.

Prospective authors should consult the journal's instructions that appear in each issue or at www.amergeog.org/gr/authors.html. Authors may submit manuscripts to the editors at: greditor@lsu.edu.

The Geographical Review is fully peer reviewed and both the outgoing and incoming editorial teams are dedicated to bringing work from submission to publication in a timely fashion.

AAG Invites Op-Ed Pieces

The AAG invites brief opinion pieces highlighting the contributions of geographical analysis to the understanding of important public issues and events. These pieces will be considered for the Op-Ed section of the *AAG Newsletter*. Submissions are encouraged from across the full breadth of the discipline.

The AAG sets aside approximately one to two pages of each issue of the newsletter for the Op-Ed section. When we have more commentaries than available newsletter space, the additional commentaries will be posted online at the AAG Member Commentary section of the AAG website, provided they are consistent with the AAG ethics policy. This site will also host responses to specific commentaries.

Op-ed pieces (no more than 750 words) will reflect opinions of contributing AAG members and will not represent an official AAG position on any issue. To submit a piece, send it to newsletter@aag.org with "Op-Ed" or "Commentary" in the subject line.

NSF Social Processes Grants

The NSF seeks grant proposals for projects aimed at improving our understanding of fundamental social processes. All arenas of human social organization are open to investigation including organizational behavior, population dynamics, social movements, labor force participation, studies of stratification and mobility, family, socialization, gender roles, and the sociology of science and technology. Research must be both theoretically focused and based on empirical observation or subject to empirical validation or illustration. Dissertation projects are welcome. For more information visit www.grants.gov/search/search.do?mode=VIEW&oppld=3009. The deadline for proposals is **October 15, 2006**.

Community Forestry Fellowships

The U.S. Community Forestry Research Fellowship Program provides fellowships to graduate students to support their field work in communities in the United States. The awards are up to \$15,000 for dissertation fellows, up to \$7,000 for master's fellows, and \$2,000 for pre-dissertation fellows.

The program accepts proposals dealing with the broad array of issues and resources in community forestry. Students at any institution of higher learning may apply for a fellowship. Applicants must be enrolled in a degree-granting program in the social sciences, economics, environmental science, forestry, geography, agriculture, or natural resource management policy and planning at their home institution. Field work must be participatory; fellows must work actively with members of the community in which they are conduct-

ing research to engage them in the research process.

Applications must be received by **February 1, 2007**. For more details about the program and information on how to apply, visit www.cnr.berkeley.edu/community_forestry/.

NSF Ecosystem Research Grants

The Ecosystem Science Cluster of the National Science Foundation will consider hypothesis-driven research proposals focusing on advancing ecosystem science through the pursuit of new theoretical paradigms, novel modeling efforts, or new techniques. This award supports investigations of ecosystem processes across a diversity of spatial scales. Inter- and multidisciplinary projects are especially encouraged.

For more information visit www.grants.gov/search/search.do?mode=VIEW&oppld=10704. Applications are due by **January 9, 2007**.

NSF Graduate Research Fellowships

The National Science Foundation seeks to provide three years of research funding to promising students in the early stages of their graduate careers. A number of disciplinary categories are eligible under this program. Deadline for full proposals in both the geosciences and social sciences is **November 6, 2006**. Awards are approximately \$40,000. For further information visit www.nsf.gov/funding/pgm_summ.sp?pims_id=6201.

2007-07 Stanford Humanities Fellowships

The Stanford Humanities Center is offering six to eight external faculty fellow-

ships for 2007-08, and also looks to award thematic fellowships in the areas of digital humanities and humanities and international studies. Both junior and senior faculty members are eligible. Fellows are awarded stipends of up to \$55,000 and a housing and moving allowance. The deadline for applications in **October 16, 2006**.

Online application and further information is available at <http://shc.stanford.edu>.

Massachusetts Historical Society Fellowships

The Massachusetts Historical Society (MHS) will award at least two long-term fellowships for the academic year of 2007-08. The stipend will be no more than \$40,000 for a term of six to twelve months or \$20,000 for a term of four to five months. These fellowships are open to U.S. citizens and to foreign nationals who have lived in the United States for at least the three years immediately preceding the application deadline. NEH-sponsored fellowships are not available to graduate students. The deadline for applications is **January 15, 2007**.

Other MHS fellowships are also available. For more information on visit www.masshist.org or contact Conrad Wright, Massachusetts Historical Society, 1154 Boylston Street, Boston, MA 02215; email: cwright@masshist.org.

NSF Grants and Competitions

Visit <http://www.nsf.gov/funding>.

AAG Grants and Competitions

Visit www.aag.org/grantsawards/index.cfm.

Don't Forget:

Additional journal subscriptions purchased as part of AAG membership can only be accessed online through the AAG website.* To access these non-AAG journals, login at www.aag.org and follow the link to the journal(s) that you have purchased.

*Subscribers to *Imago Mundi* will receive hard copies of the journal by mail.

New Tax Benefits for Senior Donors to AAG

A new tax-saving opportunity was signed into law on August 17, 2006. The Pension Protection Act of 2006 gives new tax incentives for charitable gifts to donors who are 70½ or older, or will turn 70½ on or before December 31, 2007. The new law allows individuals to use funds from their IRAs to make a lifetime charitable gift, *tax free*.

The benefits:

- You may be receiving minimum distributions from an IRA as part of your retirement income since you turned 70½. You may not need these IRA distributions, but by law you have to take them and pay income tax on them. Under the new law, if you transfer those minimum distributions to your favorite charity, you will avoid paying income tax on them.
- Your transfer will not generate a tax deduction, so you do not have to itemize this tax deduction to receive the benefit.

A couple of rules apply:

- You are currently aged 70½ or older, or will be on or before December 31, 2007.
- You make your gifts on or before December 31, 2007.
- Your gifts do not total more than \$100,000 per year (thus you have a maximum allowance of \$200,000 by December 31, 2007).
- Your funds are transferred directly from an IRA or Rollover IRA.
- You make your gift to a public non-profit (such as AAG).

Making a gift to the charitable organization of your choice is easy—please contact your IRA custodian for the necessary transfer forms.

Please consult your financial advisor for further information pertinent to your own specific circumstances. And if you would like any further information on the Pension Protection Act of 2006 and how your gift could benefit your favorite non-profit, including the AAG, please contact Douglas Richardson at drichardson@aag.org.

AAG Specialty and Affinity Group news and discussion forums are a great way to share news about available grants, news and special queries. Listserves are available to all AAG members.

Visit www.aag.org/faq.htm for more information.

AAG ADVANCING GEOGRAPHY FUND

I (we) pledge to contribute _____ to the Association of American Geographers as part of the Advancing Geography Campaign.

Giving levels include:

\$500 to \$999	Scholars Circle
\$1,000 to \$4,999	Millennium Circle
\$5,000 to \$9,999	Century Circle
\$10,000 to \$24,999	Explorers Circle
\$25,000 and above	Leadership Circle

This gift will be made as follows:

Total amount enclosed: \$ _____

Plus annual payments of: \$ _____

If you intend to fulfill your pledge through a gift other than cash, check, or marketable securities, please check:

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Credit Card: Visa MasterCard

Account Number _____

Name on Card _____

Expiration Date _____

Signature _____

My (our) gift will be matched by my employer

I would like my gift to go toward:

Advancing Geography Endowment Fund
 AAG Student Research and Travel Fund
 Geography and the Humanities
 Mel Marcus Fund for Physical Geography
 AAG International Geographic Information Fund
 AAG International Center For Geography Education (ICGE)
 AAG Public Policy Initiatives
 Enhancing Diversity Fund
 Area of Greatest Need
 Other _____

Name _____

Address _____

Phone _____

Date _____

Please send this pledge form to:

AAG Advancing Geography Fund
 1710 Sixteenth St. NW, Washington, DC 20009

Amen, M., K. Archer, and M. Bosman. *Relocating Global Cities: From the Center to the Margins*. Lanham, MD: Rowman & Littlefield, 2006. 229 pp., \$26.95, ISBN 0-7425-4122-3.

Beauregard, Robert A. *When America Became Suburban*. Minneapolis: University of Minnesota Press, 2006. 271 and 16 pp., \$18.95, ISBN 0-8166-4885-9.

Flint, Anthony. *This Land: The Battle over Sprawl and the Future of America*. Baltimore: Johns Hopkins University Press, 2006. 298 pp., \$24.95, ISBN 0-8018-8419-5.

Hinshaw, Robert E. *Living With Nature's Extremes: The Life of Gilbert Fowler White*. Boulder, CO: Johnson Books, 2006. 339 and 28 pp., \$26.50, ISBN 1-55566-388-5.

Koval, John P. et al., eds. *The New Chicago, A Social and Cultural Analysis*. Philadelphia: Temple University Press, 2006. 353 and 10 pp., \$34.95, ISBN 1-59213-088-7.

Mattingly, Doreen, J. and Ellen R. Hansen, eds. *Women and Change at the U.S.-Mexico Border: Mobility, Labor, and Activism*. Tucson: University of Arizona Press, 2006. 231 and 9 pp., \$45.00, ISBN 0-8165-2528-5.

Nicolaides, Becky M. and Andrew Weise, eds. *The Suburb Reader*. London and New York: Routledge, 2006. 529 and 22 pp., n.p., ISBN 0-415-94593-3.

Scafi, Alessandro. *Mapping Paradise: A History of Heaven on Earth*. Chicago: University of Chicago Press, 2006. 398 pp., \$55.00, ISBN 0-226-73559-1.

Schrag, Zachary M. *The Great Society Subway: A History of the Washington Metro*. Baltimore: Johns Hopkins University Press, 2006. 355 and 15 pp., \$30.00, ISBN 0-8018-8246-X.

Smyth, William J. *Map-making, Landscapes and Memory: A Geography of Colonial and Early Modern Ireland c. 1530-1750*. Cork, Ireland: Cork University Press, 2006. 584 and 23 pp., n.p., ISBN 1-85918-397-2.

St. Antoine, Sara, ed. *The Gulf Coast: A Literary Field Guide*. Minneapolis: Milkweed Editions, 2002. 252 and 12 pp., \$10.95, ISBN 1-57131-665-5.

St. Antoine, Sara, ed. *The South Atlantic Coast: A Literary Field Guide*. Minneapolis: Milkweed Editions, 2006. 231 and 8 pp., \$10.95, ISBN 1-57131-664-7.

Wright, Melissa W. *Disposable Women and Other Myths of Global Capitalism*. London and New York: Routledge, 2006. 195 and 12 pp., n.p., ISBN 0-415-95145-3.

Yuval-Davis, N., K. Kannabiran, and U. Vieten, eds. *The Situated Politics of Belonging*. Thousand Oaks, CA: Sage, 2006. 231 pp, n.p., ISBN 1-4129-2101-5.

Award Deadlines

OCTOBER

1. U.S. Fulbright Students Program in Canada. www.fulbright.ca.
2. NEH Summer Stipends. www.neh.gov/grants/guidelines/stipends.html.
2. AAG William L. Garrison Award for Best Dissertation in Computational Geography.
2. Woodrow Wilson Fellowships. www.grants.gov/search/search.do?mode=VIEW&oppld=10463.
15. NSF Doctoral Dissertation Research Improvement Proposals. www.nsf.gov/sbe/bcs/grs/suppdiss.jsp.
15. NSF Social Processes Grants. www.grants.gov/search/search.do?mode=VIEW&oppld=3009.
- 16.. McColl Family Fellowship. www.amergeog.org.
- 16.. Fulbright Teacher Exchanges. www.fulbrightexchanges.org.
16. Stanford Humanities Fellowships. <http://shc.stanford.edu>.
20. AGS Library Fellowships for 2007. www.uwm.edu/Libraries/AGSL/fellowships.html.

NOVEMBER

1. International Dissertation Research Fellowship Awards. www.ssrc.org/programs/idrf/.
6. NSF Graduate Research Fellowships. www.nsf.gov/funding/pgm_summ.jsp?pims_id=6201.
21. NIH Outstanding New Environmental Scientist Grants. <http://grants.nih.gov/grants/guide/rfa-files/RFA-ES-06-007.html>

DECEMBER

1. AAG Anderson Medal.
1. James Blaut Award and Memorial Lecture. www.neiu.edu/~scgsg/.
4. American Institute for Sri Lankan Studies Fellowships. www.aisls.org.
31. EPA P³ Grants. www.epa.gov/P3.
31. AAG Research Grants and Dissertation Research Grants.
31. AAG IGIF Student Travel Grant, Student Paper Award, and Graduate Research Award.
31. AAG George & Viola Hoffman Award.
31. AAG Anne U. White Fund.

31. AAG Jackson Prize.

31. AAG Meridian Book Award and Globe Book Award.

31. AAG Glenda Laws Award.

31. AAG Meredith F. Burrill Award.

2007 JANUARY

9. NSF Ecosystem Research Grants. www.grants.gov/search/search.do?mode=VIEW&oppld=10704.

15. New York State Archives Awards. www.nysarchivestrust.org.

FEBRUARY

1. U.S. Community Forestry Research Fellowships. www.cnr.berkeley.edu/community_forestry/.

28. Founder's and Patron's Medals of the RGS/IBG. www.rgs.org/AboutUs/Medals+and+Awards/Medals+and+Awards.htm.

For a summary of all AAG grants and awards, visit www.aag.org/grantsawards/index.cfm.

The Professional Geographer November 2006 (Volume 58, Issue 4)

The following articles will appear in the November 2006 issue of *The Professional Geographer*.

Articles:

Decentralization of the Nation's Main Street: New Coastal-Proximity-Based Portrayals of Population Distribution in the United States, 1950–2000, *Christopher J. Henrie and David A. Plane*

Climatological Drought in Arizona: An Analysis of Indicators for Guiding the Governor's Drought Task Force, *Gregory B. Goodrich and Andrew W. Ellis*

Constructing Community Through Maps?: Power and Praxis in Community Mapping, *Brenda Parker*

Focus:

Landscape Form, Process, and Function: Coalescing Geographic Frontiers

Introduction, *Kelley A. Crews-Meyer and Kenneth R. Young*

Landscape Models and Explanation in Landscape Ecology—A Space for Generative Landscape Science?, *Daniel G. Brown, Richard Aspinall, and David A. Bennett*

Landscape Frontiers, Geography Frontiers: Lessons to be Learned, *George P. Malanson, Yu Zeng, and Stephen J. Walsh*

Integrated Approaches, Multiple Scales: Snag Dynamics in Burned Versus Unburned Landscapes, *Joy Nystrom Mast and Carol L. Chambers*

Linking Spatial and Temporal Variation at Multiple Scales in a Heterogeneous Landscape, *Jane Southworth, Graeme S. Cumming, Matt Marsik, and Michael W. Binford*

Temporal Extensions of Landscape Ecology Theory and Practice: Examples from the Peruvian Amazon, *Kelley A. Crews-Meyer*

Kaleidoscoping Landscapes, Shifting Perspectives, *Kenneth R. Young and Richard Aspinall*

Commentary:

Geography's Strategies, *Rob Kitchin and James D. Sidaway*

New Appointments

East Tennessee State University, Assistant Professor, Ke (Catherine) Chen. PhD, 2006, University of Cincinnati.

Florida International University, Assistant Professor, Benjamin Smith. PhD, expected 2006, University of Kentucky.

Georgetown University, Academic and Administrative Director for the McGhee Center for Eastern Mediterranean Studies, Kathryn A. (Kay) Ebel. PhD, 2002, University of Texas at Austin.

Louisiana Tech University, Assistant Professor, Taylor Mack. PhD, 1997 Louisiana State University.

Michigan State University, Assistant Pro-

fessor, Najib Hourani. PhD, 2005, New York University.

Swiss Federal Institute of Technology in Zurich, Researcher, Philippe Foret. PhD, 1992, University of Chicago.

University of Florida, Assistant Professor, Ahmed Mohamed. PhD, 1999, University of Calgary.

University of Alabama, Assistant Professor, David M. Brommer. PhD, 2006, Arizona State University.

University of Denver, Assistant Professor, Rebecca L. Powell. PhD, 2006, University of California-Santa Barbara.

University of Iowa, Interim Associate Dean for Research in the College of Liberal Arts and Sciences, Marc Armstrong. PhD, 1988, University of Illinois.

University of North Carolina-Chapel Hill, Associate Professor, Michael E. Emch. PhD, 1998, Michigan State University.

Western Illinois University, Assistant Professor, Susan Romano. PhD, 2006, Southern Illinois University.

Key: *New institution, position, name. Degree, year degree granted, granting institution.*

Necrology

Charles Corbin Yahr

Charles Corbin Yahr, retired professor of geography at San Diego State University (SDSU), died on July 22, 2006. He was born June 23, 1925 in Chesterfield, Illinois.

Yahr earned a bachelor's degree from Illinois State University at Normal and a

master's and PhD in geography from the University of Illinois.

Yahr served in the U.S. Army from 1944-46, as a First Lieutenant. From 1952-54 he and his wife lived in Karachi, Pakistan while he worked as an editorial assistant for the Silver-Burdett Publishing Company and did field work for his dissertation

on the geography of northwest Pakistan. After returning home, Yahr finished his PhD and in 1955 moved to San Diego for a teaching position at SDSU. He retired after thirty-three years at SDSU but continued to teach in the continuing education department and then as a tutor for the literacy project in San Diego.

Jobs in Geography

UNITED STATES

***ALABAMA, AUBURN 36849.** The Department of Geology and Geography at Auburn University invites applications for a tenure track **Assistant Professor** position in the field of **urban or economic** geography to begin Fall Semester 2007. The successful candidate will be expected to teach at the undergraduate and graduate levels (including World Regional Geography and courses in applicant's areas of interest) and to establish a productive record of independent research, extramural funding, and publication. In consideration of Auburn University's Africana Studies Program, an interest in teaching a regional course on Africa would be advantageous. A Ph.D. in Geography is required at the time of appointment. The candidate selected for this position, which begins August 2007, must meet eligibility requirements to work in the United States on the date the appointment is scheduled to begin and be able to communicate effectively in English. Applicants should submit a detailed curriculum vitae, letter of application (1-2 pages) describing professional experience and research and teaching interests, copies of transcripts, and the names and contact information of at least three references. Applications should be sent to the address below.
OCT 06-228.

Apply: Dr. Luke Marzen, Geography Search Committee Chair, Department of Geology and Geography, 108 Tichenor Hall, Auburn University, AL 36849-5224, USA. Applicants are encouraged to visit the AU website to learn more about Auburn University and the Geography program (<http://www.auburn.edu/geography>). Review of applications will begin December 1, 2006 and will continue until a candidate accepts appointment. Auburn University is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

***ALABAMA, MOBILE 36688.** The University of South Alabama Earth Sciences Department invites applications for a tenure track **assistant professor** position in the **Human Geography** sub-discipline. The successful candidate must have a Ph.D. in Geography. While teaching other courses, the candidate is to assume responsibility for two upper level core classes: Research Methods and World Economic Geography. Preference will be given to candidates who have expertise in urban or environmental planning. The preferred starting date is January 2, 2007; if not filled in January, the starting date will be August 15, 2007. Send a copy of your

curriculum vita, transcripts, and three letters of reference to the address below. OCT 06-223.

Apply: Dr. Miriam L. Fearn, Earth Sciences Department, LSCB 136, University of South Alabama, Mobile, AL 36688. Review of applications will begin immediately and continue until the position is filled. AA/EEO/M/F/D.

CALIFORNIA, BERKELEY 94720-4740. University of California, Berkeley, tenure-track **Assistant Professor** position, starting 1 July 2007, pending budgetary approval. We are searching for a **Human Geographer who studies problems of Geographical Vulnerability and Human Security**. We are particularly interested in scholars with specializations in migration, health, and disease — especially as they are shaped by forces like natural disasters, global climate change, war and civil conflict, economic dislocation, or agrarian upheaval. Topical interests might include, but are not limited to: international migration; health and disease among slum dwellers in mega-cities; environmental refugees from extreme events such as floods, droughts, and epidemics; displacement and impoverishment caused by war and violence; and vulnerability to agro-ecosystem changes caused by global warming. This is a social science position, but we would look with favor on a social

scientist familiar with bio-physical systems and thus able to complement our strengths in the areas of human-environment relations and the geographic dimensions of global environmental change. Any regional, comparative, or transnational interest will be considered. Submit letter of application, curriculum vitae, up to three reprints, and three letters of reference (please refer your referees to the University's statement on confidentiality, found at <http://apo.chance.berkeley.edu/evalltr.html>) by December 1, 2006. SEP 06-170-3.

Apply to: Search Committee, Department of Geography, 507 McCone Hall. The University of California is an Equal Opportunity, Affirmative Action Employer.

CALIFORNIA, BERKELEY. University of California at Berkeley, College of Natural Resources. **Assistant Professor of Science, Technology, and Environment.**

This is a tenure-track, nine-month career position in the Department of Environmental Science, Policy and Management, Division of Society and Environment, and the Agricultural Experiment Station at the University of California at Berkeley, available July 1, 2007. The successful candidate will have an earned doctoral degree in a relevant field such as (but not limited

"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 email to jig@aag.org. 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.

** Indicates a new listing*

to) the social sciences; science, technology, and society (STS); the history of science and technology; science studies; environmental studies; or public policy studies. An emphasis on emerging technologies is preferred. The successful applicant will be expected to develop a nationally-recognized research program on the interaction of science, technology, and the environment. Candidates should have an interest in the social processes, ecological implications, and distributional and equity impacts of science and technological change. The candidate's research should explore the ways in which science and its applications – e.g., emerging biological, chemical, energy, and nanotechnologies – both shape and are shaped by politics, regulation, and governing institutions. Applications must be *electronically dated or postmarked* by 15 October, 2006. Electronic submissions preferred; send pdf files to: STESearch@nature.Berkeley.edu. Please submit a cover letter (including a statement of how you view the relationship between science, technology, and environment), a curriculum vitae, a writing sample or representative publication, a statement of current and future research interests, a statement of teaching experience and/or goals, and three letters of reference to the address below. SEP 06-205.

Apply: Chair, Science, Technology, and Environment Search Committee, Department of ESPM, Division of Society & Environment 137 Mulford Hall University of California, Berkeley, CA. 94720-3114.

Refer potential reviewers to the UC Berkeley Statement of Confidentiality found at: <http://apo.chance.berkeley.edu/evalltr.html>. Applications submitted after the deadline will not be accepted.

The University of California is an Equal Opportunity, Affirmative Action Employer.

CALIFORNIA, DAVIS 95616. The Department of Anthropology at the University of California, Davis invites applications for a tenure-track **Assistant Professor** beginning July 1, 2007. The appointee must have a broad interdisciplinary background and research **expertise in public culture as it takes form in media and/or space**. Topical interests may include mass media, film, photography, art, built environment, landscape, urban or architectural space. Eligible candidates may have research expertise in any geographical area and must be capable of making broad connections between disciplines and fields of study. Special preference will be given to candidates who work in text as well as in video or other media. Teaching is based on a standard faculty load of four one-quarter courses per year. Candidates should have a Ph.D. in anthropology or related disciplines by time of appointment and

be able to demonstrate excellence in teaching and research.

Applications received by October 16, 2006 will receive full consideration. Applicants should prepare a curriculum vitae including the names of three references; a cover letter that indicates completed research, current research program, and teaching experience; copies of up to three publications representing the applicant's current research, two graduate course syllabi and one undergraduate syllabus. Applications should be sent to the address below. SEP 06-172.

Apply: Janet S. Shibamoto Smith, Chair, Search Committee, Department of Anthropology, One Shields Avenue, University of California, Davis, CA 95616. E-mail: jssmith@ucdavis.edu, phone: 530-752-7388.

Address administrative questions to Royce McClellan, phone: 530-754-4936; fax: 530/752-8885; e-mail: rlmcclellan@ucdavis.edu. The position will remain open until filled.

The University of California, Davis, and the Department of Anthropology are interested in candidates who are committed to the highest standards of scholarship and professional activities, and to the development of a campus climate that supports equality and diversity. The University of California is an Equal Opportunity/Affirmative Action institution and prohibits discrimination on the basis of sexual orientation/preference and gender identity/expression. This employer offers employment benefits to domestic partners of employees.

CALIFORNIA, FULLERTON 92834. The Geography Department at California State University, Fullerton, invites applications for an **Assistant Professor** position (full-time, tenure-track) beginning Fall 2007. We seek a **physical geographer** with the ability to teach **geographic techniques** (e.g., GIS, field mapping, remote sensing). Responsibilities include teaching introductory courses in physical geography and advanced and graduate courses in area of specialization. Preference will be given to candidates that can teach applied geographic techniques. A demonstrated commitment to teaching excellence and innovation is also required.

The department offers programs leading to the B.A. and M.A. degrees in Geography, with particular emphasis placed on environmental and global geography. Department facilities include a well-equipped Geographic Learning Center that supports innovative instruction in Geography and Geographic Information Systems as well as a new remote sensing lab.

Application review begins immediately. To insure full consideration, please submit all materials by October 13, 2006. Position is open until

filled. Applicants should submit a letter of interest, curriculum vitae, evidence of teaching excellence, and three letters of reference. Please review the position announcement on our university webpage: <http://diversity.fullerton.edu/HSS-Geography.htm>. SEP 06-206.

Apply: John Carroll, Chair, Department of Geography, P.O. Box 6846, Fullerton, CA 92834-6846. Fax: 714-278-5223. E-mail: jcarroll@fullerton.edu.

Cal State Fullerton is an Equal Opportunity/Title IX/503/504/VEVRA/ADA Employer.

CALIFORNIA, LONG BEACH, 90840. California State University, Long Beach, seeks tenure-track **Assistant Professor in Environmental Geography**. Research specialization in applied environmental geography or urban ecology with some combination of natural resource management, landscape ecology, or restoration experience. Appointment begins 27 August 2007. Ph.D. required at start of appointment. Background in environmental management/planning and familiarity with California and Federal standards and processes of environmental impact analysis preferred. Successful candidate will teach environmental geography, environmental impact analysis, restoration, land use planning, and tools commonly used by practitioners (e.g., GIS, remote sensing, environmental monitoring), developing or offering advanced courses in specialization areas. Strong commitment to high quality teaching and academic research essential. Position description and application procedure: <http://www.csulb.edu/geography/envgmt-plng.html>. Inquiries and correspondence: Chrys Rodrigue, Chair, Geography, California State University, Long Beach, CA 90840-1101, 1 (562) 985-4896, rodrigue@csulb.edu. Review of complete applications begins December 1, 2006, continuing until position is filled or search cancelled. An EO EMPLOYER. SEP 06-189

CALIFORNIA, LONG BEACH, 90840. California State University, Long Beach, seeks tenure-track **Assistant Professor in Cartography/Geovisualization** with research specialization in map use and design, spatial cognition, data visualization, and/or geospatial web/interactive mapping. Appointment begins 27 August 2007. Ph.D. required by start of appointment. Ability to contribute to the geography curriculum in other areas preferred. Successful candidate will teach map analysis, advanced cartographic design, and GIS, developing or offering advanced courses in specialization areas. Strong commitment to high quality teaching and academic research essential. Position description and application procedure: <http://www.csulb.edu/geography/cartography.html>. Inquiries and

correspondence: Chrys Rodrigue, Chair, Geography, California State University, Long Beach, CA 90840-1101, 1 (562) 985-4896, rodrigue@csulb.edu. Review of complete applications begins December 1, 2006, continuing until position filled or search cancelled. An EO EMPLOYER. SEP 06-190.

***CALIFORNIA, LOS ANGELES 90095-1487.** The UCLA International Institute has an immediate opening for an **Academic Coordinator in the Asia Institute**. The Academic Coordinator serves as the Assistant Director/Senior Staff Administrator to the Asia Institute. Responsibilities cover all areas of program administration: program development, outreach and fundraising activities, office management, and budgetary oversight. We seek someone familiar with one or more Asian countries whose linguistic, organizational, and academic skills prepare them for building UCLA's relationships with institutions in Asia and managing research and teaching activities on the UCLA campus.

Primary qualifications for the position are: a Ph.D. or M.A. degree in a humanities or social sciences discipline; strong interpersonal skills and administrative experience in an academic or research setting are strongly preferred; excellent oral and written communications required; grant-writing and journalism experience highly desirable.

The candidate will be hired in the Academic Coordinator series regulated by the university's Academic Personnel policies. This is a renewable, non-tenure-track, 12 month position at 100% time. Salary is commensurate with qualifications and experience.

The Asia Institute is a consortium of UCLA's Asia-focused research centers and programs to promote Asian Studies at UCLA and fosters greater understanding of Asia through a wide variety of outreach activities, including teacher training, curriculum development, public symposia, film series, and exhibitions. For more information please visit: <http://www.international.ucla.edu/asia/>

Candidates are requested to send a letter addressing their qualifications for the job, an updated CV, and the names, addresses, e-mail addresses, and phone number of three references to the address below. OCT 06-242.

Apply: UCLA International Institute Human Resources, 11230 Bunche Hall, Los Angeles, CA 90095-1487. Fax (310) 825-6033.

Applications received by October 1, 2006 will receive first consideration, but applications will continue to be accepted until the position is filled.

UCLA is an affirmative action / equal opportunity employer and has a strong commitment

to the achievement of excellence and diversity among its faculty and staff.

***CALIFORNIA, LOS ANGELES 90095.** UCLA: **Chair in the Study of Contemporary Japan**. The University of California, Los Angeles, seeks applications and nominations for the Paul I. and Hisako Terasaki Chair in the Study of Contemporary Japan, to be administered through UCLA's International Institute. The successful applicant should be an eminent senior scholar whose research addresses key issues of contemporary Japan related to domestic concerns or international affairs, and with respect to subjects such as, but not limited to, globalization and markets, governance, law and society, media and entertainment, culture and identity, the environment, and public health. The holder of the Chair should also have served in an academic or administrative leadership role with distinction. He or she will hold a tenured position at the full professor level. Responsibilities will include: (a) undergraduate and graduate instruction in Departmental and interdisciplinary courses; (b) active involvement in the chair holder's academic Department, in the Terasaki Center for Japanese Studies, in the International Institute and its relevant Interdisciplinary Degree Programs; and (c) directing the use of the Chair's funds. The appointment is to begin 1 July, 2007. Applications, to include a c.v., a statement of research and teaching interests, and a representative recent paper or article, should be submitted in hard copy to the address below. OCT 06-210-1.

Apply: Ms. Tara Wake, Terasaki Chair Search Committee International Institute, 11230 Bunche Hall, UCLA, Los Angeles, CA 90095-1487.

To assure full consideration, applications should be received by 1 November

2006. UCLA is an affirmative action / equal opportunity employer and has a strong commitment to the achievement of excellence and diversity among its faculty and staff.

CALIFORNIA, LOS ANGELES 90095-1524. University of California, Los Angeles (UCLA).

The Department of Geography seeks to make a tenure-track appointment of an **Assistant Professor of Human Geography** beginning Fall Quarter 2007. Applicants should have research and teaching interests that address geographic questions about gender, sexuality, or feminism. A Ph.D. degree is required at the time of appointment, as is a demonstrated commitment to the publication of research and to teaching excellence at both the undergraduate and graduate levels. The successful candidate will supervise

graduate students, strengthen the Department's course offerings in one or more of the areas mentioned above, and develop research links with ancillary University-wide interdisciplinary research units. UCLA is an AA/EOE employer. Please send a letter of application, Curriculum Vitae, statement of research and teaching interests, e-mail address, reprints, and the names and e-mail addresses of three referees. UCLA is an outstanding research institution with a diverse student body committed to encouraging applications to its faculty from women and minorities. Salary is commensurate with education and experience. Significant start-up awards and course relief are provided to junior faculty members.

SEP 06-188.

Apply to: Search Committee Chair, Department of Geography, UCLA, 1255 Bunche Hall, Box 951524, Los Angeles, CA 90095-1524. Applications are due no later than

October 31, 2006. The review of candidates will begin immediately after that date.

CALIFORNIA, MERCED. University of California, Merced, School of Engineering: **Spatial Analysis / GIS**.

A **postdoctoral position involving spatial analysis of precipitation and snow accumulation data** is available. The project involves using a range of spatial interpolation techniques and estimating associated uncertainties. Minimum qualifications include a solid foundation in GIS, statistical methods, and computer programming, with a Ph.D. (granted within the last ten years) in statistics, hydrology, environmental science, ecology, geography, or related field. To apply, please visit: http://jobs.ucmerced.edu/view_academic_position.faces?positionId=524. Review of applications will start immediately and continue until the position is filled. Salary is negotiable, based on the University of California pay scale. Initial appointment will be one year, with renewal on a year-to-year basis possible. Research will be carried out at UC Merced, the 10th campus of the University of California and the first new research university of the 21st century. The University of California is an equal opportunity/affirmative action employer. For more information, please contact Dr. Qinghua Guo at qguo@ucmerced.edu. SEP 06-160.

CALIFORNIA, NORTHRIDGE 91330-8249. The Department of Geography at California State University, Northridge invites applications for a full-time tenure track **Assistant Professor in Environmental Geography** starting August 2007. We welcome applications from broadly trained candidates to contribute to a growing

program in environmental geography; ability to use GIS and related research technologies is mandatory. Other desirable areas of interest include field studies, biogeography, resource and environmental management, habitat restoration, conservation, environmental impact assessment and writing and environmental hazards. Experience with funded research projects and familiarity with the American west are also advantageous.

Applicants must have a Ph.D. in Geography in hand, or near completion, at time of appointment. Applicants that do not have a Ph.D. in hand at time of appointment will be appointed as a one-year lecturer and converted to tenure track at completion of doctorate. A Ph.D. will be required for the granting of tenure. Teaching responsibilities will include lower division general education courses in physical and/or human geography, upper division courses in human impacts on the environment, world ecosystems, conservation, field studies and environmental impact statements, plus advanced and graduate courses in area of specialization.

Cal State Northridge is a large, primarily undergraduate institution with a strong commitment to teaching and teacher education. Applicants should demonstrate a firm commitment to excellent teaching as well as to research and service. The candidate should demonstrate a strong commitment to teach a diverse student population. The normal teaching load is 12 units per semester, although a reduced teaching load is usually available the first year of appointment. The Department's web page is at www.csun.edu/geography. CSUN is an Equal Opportunity, Title IX, Section 503 and 504, employer. If not a U.S. citizen at the time of appointment, the successful candidate must have authorization from Immigration and Naturalization Services to work within the United States.

To apply, send letter of application stating teaching philosophy and research agenda, curriculum vitae, three current letters of recommendation and, if possible, evidence of teaching effectiveness. Screening will begin October 9, 2006, and priority will be given to applications received by that date. However, the position will remain open until filled. Inquiries and nominations should be sent to the address below.

SEP 06-162.

Apply: Chair, EG Search and Screening Committee, Department of Geography, California State University, Northridge, Northridge, CA 91330-8249.

CALIFORNIA, NORTHRIDGE 91330-8249. The Department of Geography at California State University, Northridge, invites applications for a tenure track in **Geography and Liberal Studies** starting Fall 2007. This position

may periodically include release time from teaching responsibilities in Liberal Studies to assist in areas of teacher preparation and program assessment. For further information on Liberal Studies at California State University visit the following: www.csun.edu/liberalstudies.

Applicants must have a Ph.D. in Geography at the time of appointment. The successful candidate will have teaching experience in physical or environmental geography and may have a broadly based science or earth science background. Physical or environmental geography specialization is open. Fieldwork experience is welcome. A demonstrated interest in teacher preparation for K12, knowledge or interest in assessment methods is also highly desirable. Teaching responsibilities in Geography include physical or environmental lower and upper division courses and graduate seminars. Responsibilities in Liberal Studies will include Gateway Experience, Earth Science, and Liberal Studies Science Capstone. Participation Liberal Studies initiatives and assessment is expected.

California State Northridge is a large, primarily undergraduate institution with a strong commitment to teaching and teacher education. Applicants should demonstrate a firm commitment to excellent teaching as well as to research and service. The teaching load is six units in the Department of Geography and six units in the Liberal Studies Program although a reduced teaching load is usually available the first year of appointment. Applicants must have a commitment to quality undergraduate teaching in a University with a diverse population. The Department's web page is www.csun.edu/geography. CSUN is an Equal Opportunity, title IX Section 503 and 504, employer. If not a U.S. citizen at the time of appointment, the successful candidate must have authorization from Immigration and Naturalization Services to work within the United States.

To apply, send letter of application stating teaching philosophy and research agenda, curriculum vitae, three current letters of recommendation, and, if possible, evidence of teaching effectiveness. Deadline for applications and receipt of supporting materials is October 9, 2006. SEP 06-163.

Apply: Chair, G/LS Screening Committee, Department of Geography, California State University, Northridge, Northridge, CA 91330-8249

CALIFORNIA, REDLANDS 92373. Educational Services Training Manager. Join the world leader in GIS! ESRI is seeking an experienced professional to join its Educational Services division to manage a comprehensive customer training program to support ESRI's growing user base

and to align the delivery of training with division and sales objectives. This role will interpret, develop, plan, administer, deliver, and oversee all activities related to training for ESRI and will promote practical training and education solutions to ensure ESRI's software user and developer communities are successful.

Successful candidates will possess a B.A./B.S. degree relating to training and development, instructional technology, or curriculum design (Master's degree preferred) and at least five years of experience managing and leading a mid-size training organization. Strong presentation and facilitation skills in a classroom setting, courseware development experience, and knowledge of computer hardware and enterprise software applications also required.

Learn more about this position and apply online at www.esri.com/careers. SEP 06-199.

***CALIFORNIA, ROHNERT PARK 94928.** Sonoma State University. The Department of Geography seeks applicants for a tenure track **Assistant Professor** position beginning August 2007. The selected candidate will be a human/cultural geographer with expertise in **Urban/Economic Geography**, and a regional specialization in Latin America, Asia, or Europe preferred. The successful candidate should demonstrate the ability and willingness to teach lower division cultural, and upper division courses in their specialty. Ability to teach computer cartography and social geography desirable. PhD in Geography expected by August 17, 2007. A.B.D. candidates will be considered. The selected individual will be committed to excellence in teaching of undergraduates in a liberal arts setting, and will maintain scholarly and creative activity in support of the mission of the university. Review of applications will begin for those postmarked or received electronically by December 15, 2006, and will continue until the position is filled. A complete announcement, with application information, is available at www.sonoma.edu/aa/fa/tenure_track.shtml. Sonoma State University is an Equal Opportunity/Title IX employer. [JOB# 102710]. OCT 06-245.

CALIFORNIA, SACRAMENTO 95819-6003. California State University, Sacramento, Department of Geography. Full-time tenure track **Assistant Professor** position, effective Fall 2007. The Geography Department seeks an individual specializing in **Geographic Information Systems**. The successful candidate will teach advanced GIS-related courses in Geography and take the lead in helping the Department strengthen and expand its role as the primary provider of GIS expertise on the Sacramento

State campus. Required: Ph.D. in Geography; all requirements for the degree must be completed by August 25, 2007.

Specific duties will include: (1) developing and teaching upper division courses in the candidate's areas of specialization, (2) teaching other undergraduate courses, including introductory level courses, (3) engaging in scholarly activity/research, as well as (4) the service and advising responsibilities normally expected of university faculty. In addition, the successful candidate will be expected to take the lead in strengthening the Geography Department's GIS program.

A strong commitment to undergraduate teaching and the supervision of undergraduate research is required. Preference will be given to applicants who have (1) prior teaching experience at the college/university level, (2) demonstrated the ability to work well with students from diverse backgrounds, and (3) a record of attracting external funding.

Applicants should submit a one to two page letter of application addressing their fitness for the position described above along with statements describing their (1) teaching interests and experience, (2) experience working with Geographic Information Systems, (3) scholarly interests and experience (including involvement of undergraduate students in their research). In addition, applicants should submit official transcripts of all college work (unofficial copies accepted until invited for interview), a curriculum vitae, three letters of recommendation sent directly to the department search committee, and the telephone numbers of at least three references who will speak to the professional qualifications of the applicant. Review of applications will begin November 1, 2006; position will remain open until filled.

A successful CSUS faculty member will promote the values of CSUS as a public regional comprehensive metropolitan university. At CSUS quality of education is our top priority. CSUS is an Affirmative Action/Equal Opportunity employer. SEP 06-182.

APPLY: Chair of Search Committee, Department of Geography, California State University Sacramento, 6000 J Street, Sacramento, CA 95819-6003. Additional details available at www.csus.edu/geog/.

***CALIFORNIA, SAN DIEGO 92182-4493.** San Diego State University seeks applicants for a tenure-track **Assistant Professor** position, contingent on funding, to begin in August, 2007. Ph.D. strongly recommended at time of appointment. Expertise required in the area of **Urban Economic Geography**. This position is intended to complement existing strengths in the department in social, cultural, and economic geogra-

phy. Demonstrated excellence in teaching and scholarship, and commitment to funded research required. Departmental information can be found at <http://geography.sdsu.edu>. Send letter of application describing research agenda and teaching interests, curriculum vitae, and names and addresses of three referees. Applicants should show a commitment to working in a multi-cultural environment with students from diverse backgrounds.

SDSU is a Title IX, equal opportunity employer and does not discriminate against individuals on the basis of race, religion, national origin, sexual orientation, gender, marital status, age, disability or veteran status, including veterans of the Vietnam era.

Applications must be received by October 13, 2006. Applications should be sent to the address below. SEP 06-204.

Apply: Dr. Serge J. Rey, Chair, Hiring Committee, Department of Geography, San Diego State University, San Diego, CA 92182-4493. e-mail: serge@rohan.sdsu.edu.

CALIFORNIA, SAN FRANCISCO. Assistant Professor of Urban Studies, San Francisco State University (SFSU). The Urban Studies Program at San Francisco State University seeks to fill a tenure track position at the **Assistant Professor** level to begin August 2007. We are seeking candidates with expertise in **urban social policy** with a focus on social inequality (i.e. urban poverty, health disparities, etc). The new hire will teach undergraduate courses in the SFSU Urban Studies Program and, graduate courses in a new Master's of City and Regional Planning Program that is subject to final approval. Required qualifications are a Ph. D. in a relevant discipline; interest in teaching in an interdisciplinary Urban Studies Program; and ability to excel in teaching, research, and leadership. Applied research, community-based research, and professional experience are highly valued. San Francisco State University is an Affirmative Action Equal Opportunity Employer. Members of historically underrepresented groups are strongly encouraged to apply. Full position description can be found at: http://bss.sfsu.edu/urbs/policy_position/./pdf. SEP 06-169.

CALIFORNIA, SAN FRANCISCO. Assistant Professor of Urban Studies, San Francisco State University (SFSU). The SFSU Urban Studies Program seeks to fill a tenure track faculty position at the Assistant Professor level to begin September 2007. We seek a candidate ready to teach undergraduate urban studies courses and graduate city and regional planning courses in a proposed joint SFSU/Cal Poly San Luis Obispo MCRP Program (subject to final

approvals). Required qualifications are a Ph. D. in urban planning, a social science discipline, or a related degree. San Francisco State University is an Affirmative Action Equal Opportunity Employer. Members of historically underrepresented groups are strongly encouraged to apply. Full position description at http://bss.sfsu.edu/urbs/planning_position.pdf SEP 06-169A.

CALIFORNIA, SAN FRANCISCO 94132. San Francisco State University invites applications for **three tenure-track positions at the Assistant Professor level** to begin in August, 2007. Ph.D. required by August 1, 2007. We seek candidates with teaching experience and demonstrated potential in research, mentoring graduate students, and competing for external research funds. Salary to be negotiated and commensurate with experience.

1. Agriculture and Sustainable Development. Geographer with a focus on land conservation and sustainable development. Expertise in rural/agricultural land use, land cover change and/or environmental issues related to agriculture required. Familiarity with U.S. regulations and public policy relating to farmland conservation, organic farming, "slow food" and sustainable food supply and a record of local community involvement preferred. Teaching assignment would include Agriculture and Food Supply as well as undergraduate courses and a graduate seminar appropriate to the applicant's interests and expertise.

2. Remote Sensing of the Physical Environment. Broadly trained geographer with a focus on remote sensing applications in environmental change, hydrology, biogeography, geomorphology, climatology or oceanography. The successful candidate is expected to capitalize on department strength in GIS and physical geography, help support the design and implementation of a GIScience-focused Masters concentration in Geography, and develop linkages with the environmental sciences to foster and initiate interdisciplinary research. Teaching assignment will include Remote Sensing as well as undergraduate courses and a graduate seminar appropriate to the applicant's interests and expertise.

3. Gender, Space and Environment. Human geographer with research on gender impacts of globalization, grassroots environmental organizing, gender and population policies, and/or regional interrelations among gender, poverty and the environment. Preferred research areas include developing countries or minority/indigenous populations within the U.S. Teaching assignment will include Gender, Environment and Development as well as undergraduate courses and a graduate seminar appropriate to the applicant's interests and expertise.

Completed application packets should be postmarked by/before October 15, although positions will remain open until filled. Packet must include an application letter, statement of teaching experience & interests, statement of research interests and experience, graduate transcript, three recent letters of reference in signed & sealed envelopes, a curriculum vitae and verification that the candidate has been or shortly will be awarded the appropriate terminal degree.

San Francisco State University, a large urban university, is part of the 23-campus California State University system and serves a diverse student body in liberal arts, sciences, and professional programs. The mission of the University is to maintain an environment for learning that promotes an appreciation of scholarship, freedom, and human diversity; fosters excellence in instruction and intellectual accomplishment; and provides broadly accessible higher education. SFSU faculty are expected to be effective in teaching; to demonstrate professional achievement and growth through continued research, publications, and/or creative activities; and to contribute their academic expertise and leadership to the campus and community. SFSU is an Affirmative Action/Equal Opportunity Employer.

SFSU's thriving BA and MA programs in Geography attract students with diverse backgrounds, professional and international experience. Our department has a longstanding commitment to excellence and enthusiasm in teaching and fieldwork-supported research, and we welcome applications from creative, dedicated teacher-scholars. SEP 06-164.

Apply: Nancy Lee Wilkinson, Chair, Department of Geography and Human Environmental Studies, 1600 Holloway Avenue, San Francisco CA 94132. Phone: 415/338-2049, email geo@sfsu.edu.

CALIFORNIA, SAN LUIS OBISPO. Geographer- **Assistant Professor of Geography**, Social Sciences Department, California Polytechnic State University, San Luis Obispo, California. Full-time, academic year, tenure-track position beginning September 10, 2007. Applications are being sought for a **human-environmental geographer** to advance our core themes of environmental science, international development, and geo-spatial techniques. The successful candidate will be expected to develop courses in his/her specialization as well as teach courses in general education (such as cultural and world regional geography). Ability to teach introductory GIS is desirable. A regional specialization is open. Candidates must have previous teaching experience and possess a strong commitment to quality undergraduate education. International teaching

experience is desirable. Geography at Cal Poly is an integral component of the Social Sciences and Earth Sciences degree programs. The multidisciplinary nature of the department's programs mandates that the successful candidate work cooperatively with faculty from a variety of disciplines. Ph.D. in Geography is required at the time of appointment. Salary is commensurate with qualifications and experience. SEP 06-171.

To apply, please visit www.calpolyjobs.org to complete an online faculty application, and apply to Requisition #100985 by the closing date of 11-17-06. Please attach to your application a letter of interest and curriculum vitae. Three current letters of reference, transcripts (unofficial acceptable initially), and relevant supporting documents should be mailed to Barbara Mori, Chair, Social Sciences Department, Cal Poly State University, San Luis Obispo, CA 93407-0329. For additional information please contact James Keese at (805) 756-1170 or via email at jkeese@calpoly.edu. Closing Date: November 17, 2006. Cal Poly is strongly committed to achieving excellence through cultural diversity. The university actively encourages applications and nominations of all qualified individuals. EEO.

CALIFORNIA, SANTA BARBARA. Department of Geography www.geog.ucsb.edu invites applications for a tenure-track position at the **Assistant Professor level in Terrestrial Processes** effective July 1, 2007, Ph.D. required. The Department seeks candidates whose research and teaching interests focus on the interaction of geomorphological and ecosystem processes. The position will complement existing strengths in spatial analysis of natural and anthropogenic modifications to earth and ecosystem function. Areas of particular interest are 1) interpretation of LIDAR and satellite-based topographic data for characterizing landscape change, 2) spatial analysis and modeling of the physical, chemical and biological processes that modify ecosystems and landscapes, 3) monitoring and predicting ecosystem response to disturbance, including climate change, erosion, fire, disease and invasive species, and 4) spatial modeling of interactions between physical and biological systems at regional to global scales, including biogeochemical cycling, eco-hydrology, and biogeography.

We are looking for candidates who develop and apply novel analytical and modeling techniques, and who can provide field-based teaching at the graduate and undergraduate level. The successful candidate will be expected to develop a vigorous externally funded research program in the primary areas of his/her interest, to direct graduate students, and to teach graduate and undergraduate courses in physical geography,

biogeography, global change, and/or geomorphology. The Department strongly encourages interdisciplinary collaborations and has expertise in marine science, climate science, earth surface processes, remote sensing, GIScience, transportation geography, urban/economic geography, cognitive science and human-environment interactions. Application deadline is October 31, 2006.

Qualified applicants should send complete curriculum vitae, statement of research and teaching interests, and names with addresses of three referees to the address below. SEP 06-176.

Apply: recruit@geog.ucsb.edu or Search Committee, Department of Geography, University of California, Santa Barbara, CA 93106-4060. The department is especially interested in candidates who can contribute to the diversity and excellence of the academic community through research, teaching and service.

An EO/AA Employer.

***CALIFORNIA, TURLOCK 95382.** The Department of Anthropology and Geography at California State University, Stanislaus invites applications for a full-time, tenure-track **Assistant Professor position in Geography** beginning August 2007. We seek a broadly trained physical or human geographer with emphasis on GIS. The successful candidate will teach upper division courses in geographic computer technique (GIS) and offerings in the candidate's areas of expertise for majors and for general education. A Ph.D. in Geography is required by July 1, 2007 and evidence of successful university teaching is desirable. The candidate should be able to teach courses in GIS and other lower and upper division courses in either human or physical geography. The Department has particular needs in biogeography, environmental geography, urban geography, and a non-U.S. regional geography, but will consider excellent candidates with expertise and an active research agenda in any subspecialty. A complete application must include: an application letter, specifically addressing the position description and qualifications; unofficial copies of graduate transcripts; a professional résumé; three letters of recommendation; and, if possible, evidence of teaching effectiveness. Screening of completed application files will begin on December 15, 2006. The position will remain open until filled. Send applications, and all other correspondence concerning this position vacancy, to the address below. OCT 06-231.

Apply: Dr. Jennifer Helzer, Coordinator Department of Anthropology/Geography California State University, Stanislaus 801 W. Monte Vista Avenue Turlock, CA 95382. Full position description at <http://www.csustan.edu/FacultyAffairs/EmploymentOpps.html>.

COLORADO, DENVER 80208. Assistant Professor – Geomorphologist. Hiring Range: Competitive. Department: Geography. Job Summary: The Department of Geography at the University of Denver invites applications for a tenure-track position at the assistant professor level beginning in the fall of 2007. We seek a geomorphologist with research interests in Quaternary geomorphic processes and additional expertise in one or more of the following areas: hydrology, sedimentology and stratigraphy, soils, or geologic hazards. The successful candidate will be expected to teach classes in introductory geologic hazards, introductory and advanced geomorphology, in addition to classes within their specialty. Preference will be given to candidates who can teach hydrology, geography of soils, or sedimentology. The applicant's research interests should compliment the existing departmental strengths in physical geography including paleoenvironmental research, biogeography, and climatology. The successful candidate will be expected to solicit extramural funding, maintain an active research program, and supervise graduate student research.

The University of Denver is a mid-sized independent institution situated at the junction between the Rocky Mountains and the Great Plains. The Geography Department consists of ten faculty members and offers the PhD in geography, the MS in GIScience, the MA and BA degrees in geography, the BA and BS degrees in environmental science, and a geology minor. In addition, the department has a strong internship program in which graduate and undergraduate students work with the City and County of Denver, the National Park Service, Environmental Systems Research Incorporated (ESRI) and other public and private agencies using various geographic information related technologies.

The Department is housed in newly renovated facilities, and is equipped with first class teaching, research, and computer laboratories. The University maintains a corporate partnership and site license with ESRI. Facilities include three GIS instructional labs, a remote sensing lab, climate lab, soils lab, palynology lab, a regional GPS base station, and a special projects lab. For more information see our web page at www.geography.du.edu

Preferred Qualifications: Ph.D. in Geography, Geological Sciences, or related field by September 1, 2007. Preferred candidates will complement the department's strengths in physical geography including paleoenvironmental research, biogeography, and climatology.

Minimum Qualifications: Ph.D. in Geography, Geological Sciences, or related field by September 1, 2007.

Required Qualifications: Ph.D. in Geography, Geological Sciences, or related field by September 1, 2007.

Open Date: August 1, 2006. **Closing Date:** Open until filled.


Special Instructions to Applicants:

Review of completed applications begins December 1, 2006.

Qualified applicants should complete online application and attach cover letter, curriculum vitae, and statement of research interests (www.dujobs.org/applicants/Central?quickFind=52497). Send three letters of recommendation and teaching evaluations or other evidence of teaching quality under separate cover to the address below. SEP 06-181.

Apply: Dr. Michael W. Kerwin, Search Committee Chair, Department of Geography, 2050 E. Iliff Avenue, Denver, CO 80208.

The University of Denver is committed to enhancing the diversity of its faculty and staff and encourages applications from women, minorities, people with disabilities and veterans. DU is an EEO/AA employer.



DIRECTOR

Disaster Research Center

The College of Arts and Sciences at the University of Delaware invites applications for the position of Director of the Disaster Research Center (<http://www.udel.edu/DRC/>). We seek an energetic and charismatic person who will guide DRC in its present-day transformation into a university-wide interdisciplinary research center, and who will also cooperate in the ongoing efforts with university colleges to develop a university-wide interdisciplinary graduate program in the area of disasters. The position is at the rank of full professor and a PhD in a social science discipline is preferred. The successful applicant will have a strong social science background with a distinguished record of scholarly accomplishments in the social aspects of disasters, administrative and grants-management exp., a strong record of teaching and service, and an active research agenda that demonstrates familiarity with external government and private sources of funding. The successful applicant will be offered a tenured appointment in the appropriate department of his or her discipline.

Founded at Ohio State University in 1963 and moved to the University of Delaware in 1985, the DRC is central to the international network of research on the social aspects of disasters and crises. DRC has received funding from various governmental and private agencies, including the National Science Foundation, the Sea Grant Program, and the Federal Emergency Management Agency. The Director manages Center operations, supervises a staff that includes graduate research assistants and undergraduates, and represents DRC with funding agencies and other constituencies. The appointment also includes opportunities for teaching undergraduate and graduate courses related to disasters. The University of Delaware is an equal opportunity employer which encourages applications from minority group members and women. Applicants should send or arrange to have sent a statement of interest, curriculum vitae including names and contact information of three referees, and reprints of recent publications by September 29, 2006 to Professor Sue McNeil, Chair, Disaster Research Search Committee, College of Arts and Sciences, 4 Kent Way, University of Delaware, Newark, DE, 19716.

The UNIVERSITY OF DELAWARE is an Equal Opportunity Employer which encourages applications from Minority Group Members and Women.

***DISTRICT OF COLUMBIA, WASHINGTON 20009.** The Association of American Geographers has a position available for immediate placement at the AAG's office in Washington, D.C.

Senior Project Manager for Geography Education. We seek an individual whose primary responsibility will be developing and administering projects in geography education, especially at the K-12 level. The successful applicant will have interests and experience in areas such as, but not limited to, the national geography standards, GIS education, teacher professional development, earth science and environmental education, and international education. Desirable skills include an ability to manage multiple projects and work effectively in a team environment. The Senior Project Manager will also contribute to AAG research and outreach programs, assist in the development of grant proposals and newsletter articles, and interact constructively with organizations in the Washington, D.C. area and elsewhere. This is an excellent opportunity for qualified scholars to participate in AAG research and education initiatives. A highly qualified candidate will have a graduate degree (PhD preferred) in geography or education; possess outstanding written and verbal communication skills; be highly organized and experienced with project management; and have strong interpersonal skills. Salary is commensurate with experience.

To apply, send letter of application, CV, and a list of three references to: Michael Solem, Educational

Affairs Director, Association of American Geographers, 1710 Sixteenth Street NW, Washington, D.C. 20009 or email to msolem@aag.org.

***DISTRICT OF COLUMBIA, WASHINGTON 20009.** The Association of American Geographers (AAG) is seeking a **Web designer** to work with our current programmer to update and enhance the association's website by: upgrading various elements of the website, including page design, graphics production, navigation, and the overall look and feel of the site; creating new content, adapting current content to new format, and fixing inconsistencies in existing content; and posting updates in a timely manner.

The following skills are required: ability to work independently while also cooperating with others on site development; excellent skills with software such as, but not limited to, Adobe Photoshop, Illustrator, Dreamweaver, and HTML; proficiency in CSS and Flash; and strong graphics and design background. Background in Geography a plus; experience working with e-commerce and membership sites a plus.

We desire applicants interested in long-term, stable employment with the AAG, which offers an excellent working environment and benefits. Salary commensurate to experience. The AAG is an equal opportunity employer. Submit application letter, resume, and sample links to Robert Andelman at randelman@aag.org.

FLORIDA, BOCA RATON 33431. The Department of Geosciences at Florida Atlantic University invites applications for a tenure-track position at the **Assistant Professor** level beginning August 2007. We seek candidates with expertise in **human-environmental interactions**, particularly focused on one or more of the following areas: natural hazards, human-environmental systems, coastal environments, biogeography, population analysis, and environmental modeling. Quantitative, field and technical skills are highly desirable. Applicants should have strong teaching interests as well as a track record in published research and grant work relative to time since terminal degree. The successful candidate is expected to pursue funded research independently and or collaboratively within or outside of the Department. The Department of Geosciences has working relationships with various FAU departments and centers such as Biology, Environmental Sciences, Center for Environmental Studies, Civil Engineering, Urban and Regional Planning, Anthropology and Economics. More information about the Department can be found at www.geosciences.fau.edu. SEP 06-173.

Apply: Dr. Russ Ivy, Human-Environmental Search Committee Chair, Department of Geosciences, Florida Atlantic University, Boca Raton, FL 33431. Send letter of application stating teaching and research interests, *curriculum vitae*, and names and contact information for four references. Applications will be accepted until November 3, 2006. E-mail applications will not be accepted. Florida Atlantic University is an Equal Opportunity/Equal Access Institution.

FLORIDA, FORT LAUDERDALE AND PLANT CITY. University of Florida.

The University of Florida's Institute of Food and Agricultural Sciences (IFAS) is seeking candidates for two **Assistant Professors** of Geomatics. Both are 12-month tenure-accruing positions - 70% teaching and 30% research. Selected applicants are expected to provide leadership for two new undergraduate programs at the **Fort Lauderdale Research and Education Center** and the **Gulf Coast Research and Education Center at Plant City**, leading to a B.S. degree in Geomatics. Teaching responsibilities will include surveying-related courses at the undergraduate level, and at least one graduate course. Candidates are

expected to recruit and advise undergraduate and graduate students, engage in service activities, and be active team members within the Program, and, to develop a successful externally funded research program in any area of the geospatial sciences with a natural resources focus. Ph.D. in a Geomatics-related discipline required, for example, in Surveying, Mapping, GIS, Civil Engineering, Geography or Natural Resources. Please visit www.sfrc.ufl.edu/announce.html for details and refer questions to Dr. Scot Smith at sesmith@ifas.ufl.edu. Application review will commence on 09/25/06. SEP 06-197.

***FLORIDA, MIAMI 33199.** The Women's Studies Center and the Department of International Relations at Florida International University seek applicants at the **Associate or Assistant Professor** level for a tenure track position shared between Women's Studies and Geography. Applicants must have a Ph.D. in geography, active teaching and research interests related to **feminist geography and women's studies**, and a strong scholarly record of publishing. Applicants with strength in seeking external funding are preferred. Responsibilities include development of funded interdisciplinary and/or disciplinary research; program building; teaching courses at the undergraduate and graduate level; and participation in an active community of feminist scholars. FIU, a Doctoral/Research Extensive university, offers over 200 academic programs in 12 schools and colleges and enrolls over 32,000 students. Please send letter of interest, c.v., and names and contact information for three references to the address below. OCT 06-247.

Apply: Dr. Suzanna Rose, Director, Women's Studies Center, DM212, Florida International University, University Park, Miami, FL 33199, wstudies@fiu.edu, <http://womensstudies.fiu.edu>. Applications will be accepted until the position is filled, review will begin on October 1. FIU is an EO/EA employer and institution.

FLORIDA, ST. PETERSBURG. U.S. Geological Survey Mendenhall Postdoctoral Research Fellowship Program—Opportunity in Hazards Geography

The U.S. Geological Survey (USGS) invites applications for the Mendenhall Postdoctoral Research Fellowship Program for Fiscal Year 2008. The Mendenhall Program provides opportunities to conduct research in association with selected members of the USGS professional staff. Through this Program the USGS will acquire current expertise in science to assist in implementation of the science strategy of its programs. Fiscal Year 2008 begins in October 2007.

Opportunities for research are available in a wide range of topics, including hazards geogra-

phy. The postdoctoral fellowships are 2-year appointments. The closing date for applications is November 15, 2006. Appointments will start October 2007 or later, depending on availability of funds. A description of the program, research opportunities, and the application process are available at <http://geology.usgs.gov/postdoc>. The U.S. Geological Survey is an equal opportunity employer. SEP 06-191.

GEORGIA, CARROLLTON 30118-3100. The Department of Geosciences at the University of West Georgia invites applications for two **temporary appointments** at the **Instructor** level for one semester, for the 2006-2007 academic year, beginning January 2007. The successful candidate may teach a combination of upper and lower division **Physical Geography and Geology** courses and laboratories that may include Landform Geography, Global Environmental Change, Weather and Climate, and Physical Geology.

Candidates should have a Master's degree in Geography (Ph.D. or ABD preferred) or a related discipline, and a strong commitment to undergraduate education. Applicants should submit a letter summarizing research interests and teaching philosophy as well as curriculum vita, copies of transcripts, and names and contact information for three references. Application materials should be sent to the address below.

SEP 06-180.

Apply: Dr. Heather Nicol, Search Committee Chair, Department of Geosciences, University of West Georgia, Carrollton, GA 30118-3100 (hnicol@westga.edu). Review of applications will begin September 15, 2006 and continue until the position is filled.

The Department of Geosciences (<http://www.westga.edu/~geosci>) offers undergraduate degrees in physical geography, human geography, geology, and earth science education. Its thirteen tenure-track faculty members are strongly committed to high quality undergraduate education and vigorous faculty-student research. The department contains a well equipped GIS lab with lab technician support. Located fifty miles west of Atlanta, the University of West Georgia is a growing regional university of the University System of Georgia with an enrollment of approximately 10,000. The University of West Georgia is an equal opportunity/affirmative action employer.

***GEORGIA, KENNESAW 30144.** Kennesaw State University invites applications for a nine-month, tenure-track **Assistant Professor of Geography (GIS Focus)** in the Department of

Geography and Anthropology beginning August 2007. Qualifications include an earned doctorate in geography or related discipline with demonstrated effectiveness in teaching and scholarship. Primary instructional responsibilities include teaching courses in cartography, GIS, remote sensing, and in developing and teaching a weather/climate course for our proposed major and existing GIScience degree. The successful candidate will occasionally be expected to teach introductory physical and human geography courses.

KSU has established a notable record for inclusion of minorities and women in its educational mission and strongly encourages applications from both groups.

To guarantee consideration, application materials must be postmarked by October 31, 2006. Electronic submission is preferred. For a detailed description of this position and the requirements please visit: http://www.kennesaw.edu/facultypositions/2006/Humanties/asstprofGeoAnth_52966.htm.

For questions about this position opening, contact: Dr. Vanessa Slinger-Friedman, (vslinger@kennesaw.edu). OCT 06-224-1.

***GEORGIA, STATESBORO 30460.** The Department of Geology and Geography invites applications for a **tenure-track faculty position in geographic information science (GISc)**. We seek an individual with the expertise and interest in building the GISc component of a rapidly growing geography program. The individual selected will teach courses in introductory and advanced GISc and courses in their specialty. The appointment will be made at the rank of Assistant Professor. A PhD in geography or a closely related discipline must be completed by the position starting date of August 1, 2007. Preference will be given to candidates with demonstrated excellence in teaching GISc and individuals whose areas of expertise complement those currently available in the department.

Screening of applications begins December 1, 2006, and will continue until the position is filled. A complete application consists of a letter addressing the qualifications cited above, supporting documentation (such as reprints and evidence of teaching effectiveness), a *curriculum vitae*, and the names, addresses, telephone numbers, and e-mail addresses of at least three professional references. Other documentation may be requested. Georgia Southern University seeks to recruit individuals who are committed to working in diverse academic and professional communities. Applications and nominations should be sent to the address below. OCT 06-251.

Apply: Dr. Mark R. Welford, Search Chair (Search 53819), Department of Geology and Geography, Georgia Southern University, P. O. Box 8149, Statesboro, GA 30460-8149. Electronic mail: MWelford@GeorgiaSouthern.edu. Telephone: 912 681-5361.

More information about the institution is available through <http://cost.georgiasouthern.edu/geo/>, or at <http://Chronicle.com/jobs/profiles/911.htm>. Georgia Southern University seeks individuals who are committed to excellence in teaching, scholarship, and professional service within the University and beyond. Georgia is an Open Records state. Georgia Southern University is an AA/EO institution. Individuals who need reasonable accommodations under the ADA in order to participate in the search process should contact the Associate Provost.

ILLINOIS, CARBONDALE 62901. Southern Illinois University Carbondale. The Department of Geography and Environmental Resources (www.geography.siu.edu) invites applications for a tenure-track **assistant/associate professor** position in **environmental geography** to begin August 16, 2007. Specific research interests could include natural hazards, meteorology/climate, or natural resource management. Skills in GIS or quantitative research methods are preferred, to compliment our department focus on environmental analysis and problem-solving. Candidates must have a Ph.D. in Geography or a related discipline by date of hire and have a strong record of quality scholarly research and teaching commensurate with the rank for which they apply. Applicants must have a professional record that establishes their research and funding potential. The work load associated with this position is typically two courses per semester, service on M.S. and Ph.D. student committees, active and successful research program, and appropriate service. Duties include teaching a mix of undergraduate and graduate courses that may include environmental conservation, environmental management, natural hazards, weather, sustainable development, and/or an advanced course in the candidate's area of research. Candidates must be proficient in English.

The Department of Geography and Environmental Resources has a diverse, dynamic, and collegial faculty. We are located in the forested hills between the Mississippi and Ohio rivers. Application deadline is October 15, 2006 or until filled. Applications must include an introductory letter, a statement describing current and proposed environmental research, a statement on teaching experi-

ence and philosophy, CV, and list of three references. Also include reprints of recent publications. Applications will only be accepted by mail. SEP 06-174.

Please apply: Leslie A. Duram, Chair, Department of Geography and Environmental Resources, Mail Code 4514, Southern Illinois University Carbondale, 1000 Faner Drive, Carbondale, IL 62901. Phone: 618/5363375. FAX 618-453-6465. geog@siu.edu. SIUC is an affirmative action/equal opportunity employer that strives to enhance its ability to develop a diverse faculty and staff and to increase its potential to serve a diverse student population. All applications are welcomed and encouraged and will receive consideration.

ILLINOIS, CARBONDALE 62901. Southern Illinois University Carbondale. The Department of Geography and Environmental Resources invites applications for a tenure-track **assistant/associate professor** position in **environmental applications of GIS and Remote Sensing** to begin August 16, 2007. This position is part of a cluster hire in interdisciplinary environmental analysis. Candidates must possess an earned doctorate in Geography or a closely related field by date of hire and have a strong record of quality scholarly research and teaching commensurate with the rank for which they apply. Applicants must have a professional record that establishes their research and funding potential. The candidate will typically teach two courses per semester and serve on M.S. and Ph.D. student committees. Candidates must be proficient in English. We seek candidates who can contribute to our many interdisciplinary research teams and participate in our interdisciplinary *Environmental Resources & Policy* Ph.D. program (www.siu.edu/~er&p). Our department maintains a modern spatial analysis GIS lab and we focus on environmental analysis and problem-solving (see www.geography.siu.edu). The Department of Geography and Environmental Resources has a diverse, dynamic, and collegial faculty. We are located in the forested hills between the Mississippi and Ohio rivers. Application deadline is October 15, 2006 or until filled. Applications must include an application letter describing research and teaching experience, a statement on the geographic relevance of their interdisciplinary environmental research, CV, and list of three references. Candidates should also include reprints of recent publications. Applications will only be accepted by mail. SEP 06-175.

Please apply: Christopher Lant, Search Committee Chair, Department of Geography

and Environmental Resources, Mail Code 4514, Southern Illinois University Carbondale, 1000 Faner Drive, Carbondale, IL 62901. Phone: 618/5363375. FAX 618-453-6465. geog@siu.edu. SIUC is an affirmative action/equal opportunity employer that strives to enhance its ability to develop a diverse faculty and staff and to increase its potential to serve a diverse student population. All applications are welcomed and encouraged and will receive consideration.

ILLINOIS, CHARLESTON 61920. Eastern Illinois University. The Department of Geology/ Geography invites applications for a tenure-track **Assistant Professor** in Geography with primary expertise in **Remote Sensing** to begin August 2007. A strong background in **Geographic Information Sciences** and a commitment to excellence in teaching, research, and service are required. Ph.D. required by time of appointment. The successful candidate will be able to apply their teaching and research to applied aspects of the natural and built environments. Additional expertise in some area of resource conservation, land use/land cover change, biogeography, natural hazards, environmental modeling, climate change, or related areas is highly desirable. The department offers BS degrees in Geology, Geography, Teacher Certification in Earth Science, and Teacher Certification in Geography, as well as participating in the multi-disciplinary Masters of Science for Natural Sciences program. Candidates must be comfortable working across disciplines, teaching introductory and advanced courses to students from all areas within the department, and be willing to serve students from the biological sciences and social sciences. Our department is student-oriented, encourages undergraduate research, and applied regional studies. Send a letter of application that includes teaching philosophy/experience and research experience/interests, curriculum vitae, three letters of reference, and copies of undergraduate and graduate transcripts, by 15 December 2006. Review of applications will begin 16 December and continue until the position is filled. All materials should be submitted electronically to the address below. SEP 06-184-3.

Apply: Dr. Vincent P. Gutowski, Chair, Search Committee. E-mail: vpgutowski@eiu.edu. Phone: 217-581-3825. Fax: 217-581-6613. Department home page <http://www.eiu.edu/~geoscience>. Eastern Illinois University is an equal opportunity, equal access, affirmative action employer committed to achieving a diverse community.

***ILLINOIS, CHICAGO 60625.** Assistant Professor — **Environmental Planner/Environmental Geographer** at Northeastern Illinois University, Department of Geography & Environmental Studies. Tenure track, PhD is required. The successful candidate will provide curriculum leadership in environmental policy, organization, and environmental legislation for our B.A. programs and M.A. Urban environmental issues, geographic techniques and quantitative skills are a plus. Send letter of application, transcript, curriculum vitae with email address, statement of teaching philosophy and research plan, and three letters of reference (at least one addressing teaching effectiveness) to the address below. OCT 06-252.

Apply: Dennis Grammenos, G&ES/NEIU 5500 N. Saint Louis Chicago IL 60625-4699. Review of applications will begin Oct. 31, 2006, appointment begins August 2007. For more information please consult www.neiu.edu/~deptges. AA/EOE.

***ILLINOIS, DEKALB 60115.** Northern Illinois University, Department of Geography. De Kalb, Illinois 60115. Full-time tenure track **Assistant Professor**. Starting in August 2007. Required — Ph.D. in geography or related field by time of appointment. We seek candidates with research and teaching expertise in **geovisualization/spatial decision support** for the spatial social and environmental sciences. The substantive field of research is open, but should complement program initiatives in: human impacts on the environment, the urban built environment, human social systems, environmental risk, climate change, and homeland security. Skills in modern analytic tools and geospatial technologies required. Teaching responsibilities will include upper division/graduate courses in specialty area (geovisualization, spatial decision support), a lower-division general education course, and electives serving human geography, GIS, or homeland security. Consideration will be given to candidates with the ability to contribute to regional/multicultural geography or cartographic design. The successful candidate is expected to seek external funding in support of scholarship.

The department has a robust student population and exceptional facilities to support research and learning in GIS and mapping science, urban/economic geography, spatial environmental science (biogeography, climatology, hydrology, soils), and applied atmospheric science. Preference will be given to persons who can demonstrate a willingness to collaborate, in both research and teaching,

with faculty in the department and College of Liberal Arts and Sciences.

Submit a letter of application identifying teaching and research interests; a curriculum vita; publications or examples of writing; evidence of grantsmanship; evidence of teaching quality; and the names, addresses, and e-mail of at least three current references to the address below. OCT 06-213.

Apply: Search Committee, Department of Geography, Davis Hall 118, Northern Illinois University, DeKalb, IL, 60115-2854. <http://www.niu.edu/geog>. Complete applications must be received by December 5, 2006.

Northern Illinois University is an Affirmative Action/Equal Employment Opportunity Institution.

***ILLINOIS, NORMAL 61790-4400.** Illinois State University, Department of Geography-Geology seeks applicants for a tenure track position at the **Assistant Professor** level beginning August 16, 2007. PhD is preferred, but ABD will be considered.

The department invites applications from individuals specializing in **Remote Sensing and Geographic Information Systems**. Research related to human-environment interactions, and in particular water or energy related issues, is preferable, but any thematic specialty will be considered. The successful candidate will teach general education, intermediate, and advanced courses in his/her area of interest. The department houses GIS and Cartography Services, a newly established community and regional GIS outreach program; two teaching computer labs equipped with the latest ESRI GIS software; a dedicated research laboratory; and teaching and research GPS units. Collaboration with the Stevenson Center for Applied Community and Economic Development is possible.

Illinois State University is a research-intensive university enrolling approximately 20,000 students. Our department offers a BA/BS in Geography, a BS in Geology, and a MS in Hydrogeology. Illinois State University and the department place strong emphasis on undergraduate education. The successful candidate is expected to pursue an active program of scholarly research, publication, and external grant funding. Potential for a significant start-up package exists.

Illinois State University is located in the Bloomington-Normal metropolitan area of central Illinois with a population of approximately 150,000. A cover letter, a curriculum vita, research and teaching statements, the names of three referees, and all college and university transcripts must be received by

December 1, 2006, to ensure full consideration. OCT 06-216.

Apply: Dr. David Malone, Department of Geography-Geology, Campus Box 4400, Normal, Illinois 61790-4400. Telephone: (309) 438-2692, Fax: (309) 438-5310, Email: dhmalon@ilstu.edu. Additional information about our department, university, and our community is available at <http://www.geo.ilstu.edu>.

Illinois State University is an Affirmative Action University encouraging diversity.

INDIANA, BLOOMINGTON 47405-7100. The Indiana University Department of Geography invites applications for a tenure-track position that emphasizes geographic approaches to **Environmental Change**. The position is at the level of **Assistant Professor**, although exceptional candidates at other levels also will be considered. Research and teaching specialization is open, with preference for applicants that complement departmental interests in climate, energy, land-cover, and transportation. Teaching duties include both undergraduate and graduate courses. Applicants should have or expect to receive the doctoral degree by August 2007. Applications received by November 1, 2006 are guaranteed full consideration; the position will remain open until filled.

Applicants should send a letter of application describing research and teaching interests, c.v., sample publications, and syllabi. Three letters of reference should be mailed under separate cover. SEP 06-158.

Apply: Scott M. Robeson, Acting Chair, Department of Geography, Indiana University, 701 E Kirkwood Ave, Bloomington, IN 47405-7100, USA. Indiana University is an Equal Employment Opportunity/Affirmative Action Employer and we strongly encourage applications from women and minorities.

***KANSAS, MANHATTAN 66506-2904.** Kansas State University invites applications for a tenure-track position at the **Assistant Professor** level starting January, 2008. We seek a geographer with research interests in the **land change science** component of **human dimensions of global and regional change**. Individuals with research experience in the social drivers of land use and land cover change and/or in the modeling of land cover change are strongly encouraged to apply. Expectations include a commitment to the pursuit of extramural research grants and interdisciplinary collaboration with ecologists to help delineate feedbacks within human and ecological systems and associated changes in ecosystem goods and services. This is a new

tenure-track faculty line which is partially supported by an interdisciplinary Ecological Forecasting grant from the National Science Foundation.

Candidates should have completed a Ph.D. by the time of appointment and be able to demonstrate a capability for high quality and effective classroom instruction. Teaching responsibilities will be two classes per semester (four per year), at both the undergraduate and graduate levels. Candidates can expect to work with a wide range of constituencies and diverse student populations. Successful candidates will value diversity in all of its dimensions, employ innovative approaches in their research and teaching, and consider different technical and cultural perspectives to solving problems.

Send an application letter describing: your background, research interests, teaching qualifications, and how you see yourself contributing to the geography program at K-State. Additional documentation to include are: a curriculum vitae, evidence of scholarship, indicators of teaching effectiveness, and a list of names, addresses, and e-mail addresses of at least three referees. Send materials or direct questions to the address below. OCT 06-246.

Apply: Dr. Doug Goodin, Search Committee Chair, Department of Geography, 118 Seaton Hall, Kansas State University, Manhattan, KS 66506-2904. Review of applications begins November 3, 2006, and will continue until the position is filled. Kansas State University is an equal opportunity employer and actively seeks diversity among its employees. Paid for by Kansas State University.

KENTUCKY, LEXINGTON 40506. Positions to Commence in Fall of 2007.

Two positions in Gender and Women's Studies: The Program in Gender and Women's Studies at the University of Kentucky seeks two faculty members. **One appointment will be made at the Associate or Full Professor level, the other at the Assistant Professor level.** PhD or other terminal degree required for appointment. Academic disciplines and areas of specialization open. We are interested in candidates who will be enthusiastic about participating in the work of transitioning the Program to department status. Evidence of scholarly achievement and teaching experience appropriate for rank in a Research I university is required; experience mentoring graduate students is desirable. Teaching load for each position is two courses per semester; teaching responsibilities will include graduate and advanced undergraduate courses, as well as interdisciplinary introductory courses. The

successful candidates' tenure homes will be in existing academic departments until the transition to a Department of Gender and Women's Studies is complete, at which time the new Department of GWS will become the tenure home. Please see our website: <https://www.uky.edu/AS/WomenStudies/>

Please send a letter of application, curriculum vita, writing sample, and three letters of recommendation to the address below. SEP 06-165.

Apply: Search Committee, c/o Betty Pasley, Program in Gender and Women's Studies, 112 Breckinridge Hall, University of Kentucky, Lexington, KY 40506-0056.

Completed applications should be in by November 1, 2006. Applications will be considered until both positions are filled.

The Program in Gender and Women's Studies is strongly committed to diversity. Applications from women, ethnic and sexual/gender minorities, and persons with disabilities are especially encouraged.

LOUISIANA, NEW ORLEANS 70148. The Department of Geography at the University of New Orleans invites applicants for the tenure-track position of **Assistant Professor of Geography**, to begin August 2006. We seek a candidate with teaching interests and research capabilities in human and environmental geography. Candidate should be eager to become engaged in a city and region experiencing an unprecedented time of rebuilding, redefinition, and new opportunities. Applicants must have a demonstrated teaching ability and research expertise in human geography, and be willing to teach World Regional Geography. Ability to teach urban geography, coastal environments, natural hazards, field methods in human geography, environmental impact assessment, are a plus, as is expertise that complements the department's existing emphases in Latin American studies, environmental analysis, and GIS/remote sensing. Candidates must also be willing and able to participate in our Master's program. Ph.D. required by date of appointment. Please send: 1) letter of application; 2) vitae; 3) names of three referees to the address below. SEP 06-157.

Apply: Dr. Peter Yaukey, Chair, University of New Orleans, New Orleans, LA 70148. Review of materials will begin immediately and will continue until position is filled. Women and minorities are encouraged to apply. EO/AEE.

***MARYLAND, BALTIMORE 21250.** University of Maryland, Baltimore County. The Department of Geography and Environ-

mental Systems at UMBC invites applications for **two positions** to begin August 2007. Ph.D. in Geography or closely related field is required and candidates are expected to have an active program of research and publication, ability to attract external funding, and evidence of commitment to excellence in teaching.

Position 1: (Assistant Professor) GIScience with research and teaching interests in remote sensing, geovisualization, geocomputation, or geoinformatics. Teaching responsibilities include introductory and advanced GIS along with courses in area of specialization. The ability to teach remote sensing is desirable.

Position 2: (Appointment can be at any level) Human Geographer with research and teaching interests in environmental health and hazards, geography of disease and health, or political ecology. Experience with GIS is desirable. Teaching responsibilities include introductory human geography and courses in area of specialization. The successful candidate at the **Assistant Professor** rank must demonstrate potential for attracting outside funding and mentoring undergraduate and graduate-level research. The successful candidate at the **Associate or Full Professor** rank must demonstrate a proven record of excellence and ongoing achievement in these areas.

In the most recent Carnegie ranking, UMBC is listed as a Research University-High Research Activity. Research opportunities at UMBC include collaboration with the Baltimore Ecosystem Study (BES), an NSF-funded Urban Long-Term Ecological Research site; the Joint Center for Earth Systems Technology (JCET), a research consortium formed by UMBC and NASA-Goddard Space Flight Center; the Center for Urban Environmental Research (CUERE), an EPA funded center focusing on the impacts of landscape transformation associated with urban and suburban development, and beginning in 2007, the U.S. Geological Survey Water Science Center for the MD-DE-DC region, which will be moving to the campus Research Park with a staff of 60+ personnel. In addition UMBC is a partner in the Chesapeake Watershed Cooperative Ecosystem Studies Unit (CESU), part of a national CESU network. The campus also is home to the Erickson School of Aging Studies, the Center for Health Program Development and Management (CHPDM), and the Laboratory for Healthcare Informatics. UMBC is located in close proximity to Washington D.C. and a broad array of federal, state, and local agencies as well as to other research institutions along the Washington-Baltimore-Philadelphia corridor. The Washington-Baltimore region has an extraordinary num-

ber of agencies and institutions whose focus is medicine and public health, both in national as well as international contexts. Interested candidates may visit the web site <http://www.umbc.edu/ges> for additional information.

Please send curriculum vitae and cover letter describing research agenda and teaching interests, and have three letters of reference sent to the department. Electronic submissions are strongly encouraged. OCT 06-230.

Apply: Those applying for the GIScience position should send pdfs to Dr. Andy Miller, Search Chair, at GISsearch@umbc.edu. Those applying for the human geography position should send pdfs to Dr. Keith Harries, Search Chair, at HumanGeogsearch@umbc.edu. For those unable to submit electronically, send applications to the relevant search chair, Department of Geography and Environmental Systems, UMBC, Baltimore, Maryland 21250. Review of applications will begin on Dec. 1, 2006 and will continue until the position is filled.

UMBC is an Affirmative Action/Equal Opportunity Employer and actively seeks the applications of minorities, women, and individual and disabilities.

***MARYLAND, COLLEGE PARK 20742.** Faculty Position. **Full Professor In Human Geography.** Department of Geography, University of Maryland.

The University of Maryland (College Park) Department of Geography invites applications for a tenured **Full Professor in human geography**. This position is expected to start on or about August 2007. Salary and benefits are highly competitive, commensurate with qualifications and experience. A Ph.D. degree in geography or in a related area of the social sciences is required.

We are seeking an outstanding candidate who will provide leadership in developing our research and teaching in human geography. We anticipate that, following this full professor appointment, further appointments in human geography, at a more junior level, will be pursued. To achieve these goals, the successful candidate is expected to take advantage of existing strengths of the department, realizing synergies between human and physical geography.

The UMD Geography Department is achieving substantial success in integrated studies of the Earth system as well as the development and application of remote sensing and geographic information systems to local, regional, and global issues in geography. We are seeking applicants who offer strong potential to further enhance the Department's national and international reputation.

Applicants must demonstrate substantive research, teaching, and service experience, as well as an established publication record. The successful applicant is also expected to substantively contribute to development of the teaching program of the department.

Applications should include a vision for strengthening human geography in the department as well as 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 should be submitted no later than January 10, 2007 but the search will continue until a suitable candidate is appointed. Applications from women and minorities particularly sought. The University of Maryland is an Equal Opportunity Affirmative Action Employer. OCT 06-257.

Submit applications to: Samuel N. Goward, Chair, 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 <http://www.geog.umd.edu/>.

***MARYLAND, SALISBURY.** Assistant Professor of Geography and Geosciences.

Salisbury University, Department of Geography and Geosciences seeks applicants for a tenure track position at the **Assistant Professor** level beginning in August 2007. Ph.D. in Geography or related field is required at time of appointment. We are seeking a **Geographer with a specialization in Geographic Information Science**. This is an expansion position to support a new Master's program in GIS and Public Administration. In addition to teaching GIS/geographic techniques, the candidate will teach undergraduate courses in physical or human geography as well as graduate courses in the Master's program. The successful candidate is expected to participate in regional and community GIS outreach through the Eastern Shore Regional GIS Cooperative (www.esrgc.org). It is essential that the candidate have a commitment to excellence in teaching and the ability to communicate fluently in English, both orally and in writing and is able to use effective teaching and classroom management strategies which enhance the success of diverse learners. Salisbury University faculty members are expected to demonstrate appropriate levels of scholarly activity and service.

Salary will be commensurate with qualifications and experience. Submit letter of application, curriculum vita, and the names, addresses (including e-mail) and phone numbers of at least three references. Applications will be reviewed beginning December 15, 2006. Applications will be accepted until the position is filled. OCT 06-243-3.

Apply: Dr. Michael Scott, Chair of Search Committee, Department of Geography and Geosciences. E-mail: msscott@salisbury.edu.

The Department of Geography and Geosciences is part of the endowed Richard A. Henson School of Science and Technology, and is housed in the recently opened Henson Science Hall. Department facilities include a state-of-the-art 42-station geographic computing lab, over two terabytes of regional geographic datasets, and modern physical geography laboratories. For more information about the Department visit our website: www.salisbury.edu/geography.

Salisbury University has a strong institutional commitment to diversity and is an Equal Opportunity/Affirmative Action employer, providing equal employment and educational opportunities to all those qualified, without regard to race, color, religion, national origin, sex, age, marital status, disability, or sexual orientation.

Please visit www.salisbury.edu.

MASSACHUSETTS, WESTFIELD. Urban Planning/Geography, Assistant Professor Tenure Track.

Department of Geography and Regional Planning at Westfield State College invites applications for an Urban/Regional Planner for a full-time, tenure track position at the Assistant Professor level beginning January 2007.

Westfield State College, established in 1839, is the nation's first public coeducational school for teacher preparation. It has since evolved into a selective public institution, offering undergraduate and master's level graduate programs to over 5,000 students.

An online application is required for this position. SEP 06-181.

To submit an online application and to review a more detailed job description and minimum qualifications, please visit: <http://jobs.wsc.ma.edu>.

An Affirmative Action/Equal Opportunity Employer, Westfield State College is committed to hiring a diverse faculty and staff. People of color, women, and people with disabilities are encouraged to apply.

MASSACHUSETTS, WORCESTER 01610. Clark University. Two tenure-track positions

starting August 2007. **Assistant Professor.** PhD required at time of appointment. The Graduate School of Geography seeks to fill **two positions with expertise in Earth Systems Science (ESS)**. Primary undergraduate responsibilities will reside in the School's ESS concentration in the new Environmental Science major at Clark (<http://www.clarku.edu/departments/ES/>). Expertise and teaching proficiency in any ESS theme will be considered, including earth science, climate change, biodiversity, and landscape modeling. Graduate advising and research responsibilities will be linked to one or more of the School's graduate research foci, such as GIScience, remote sensing, or human-environment geography (<http://www.clarku.edu/departments/geography/phd.cfm>). Applicants are expected to pursue cutting-edge scholarship at the nexus of environmental science and our linked graduate research foci, and be committed to securing extramural funding and engaging team-based research. Strong undergraduate and graduate teaching, advising, and mentoring are a requisite in the "university college" tradition of Clark.

Send CV, a detailed statement of professional experience and research and teaching interests, and contact information for three references to the address below. JUL 06-152-3.

Apply: Ms. Jean Heffernan, Assistant to the Director, Graduate School of Geography, Clark University, 950 Main Street, Worcester, MA 01610. Review of applications commences 15 October, 2006; applications will be accepted until the posts are filled. AA/EOE Minorities and women are strongly encouraged to apply.

***MICHIGAN, EAST LANSING 48824. Assistant Professor of Forest Management.**

The Department of Forestry at Michigan State University seeks a full-time (12 month) tenure-track, Assistant Professor of Forest Management (60% research, 40% teaching). The position carries a 25% joint appointment in the Department of Geography. We seek candidates who work at landscape or regional scales with expertise in one or more of the following areas of forest ecosystem management: landscape ecology, production forestry, regional biogeochemistry, conservation biology, and human dimensions of natural resource management. Application of geospatial analyses (e.g., GIS, environmental modeling, remote sensing) in research and teaching is highly desirable. The successful applicant will be expected to develop a nationally recognized research program. Initial teaching responsibilities include a

senior-level course in Forest Management and a graduate course in the candidate's area of expertise. A Ph.D. is required by the time of appointment. Publications in leading refereed journals, a successful record of obtaining research grants, teaching experience, and demonstrated interest in collaborative interdisciplinary research are desirable. Additional information is available at: www.for.msu.edu/Position/ForMgt.htm.

To ensure full consideration, please submit: curriculum vitae, statement of research experience and future directions (2 pp max), statement of teaching experience and philosophy (2 pp max), examples of publications, and 3 letters of reference by 30 September 2006 (or until a suitable candidate is selected) to the address below. OCT 06-222-1.

Apply: Richard Kobe, Chair, Forest Management Search, Michigan State University, Department of Forestry, 126 Natural Resources Building, East Lansing, MI 48824-1222; email: kobe@msu.edu; phone: (517) 355-8433. MSU is an Affirmative Action / Equal Opportunity Employer.

***MICHIGAN, EAST LANSING 48824.** The Department of Geography at Michigan State University is seeking applications for a tenure track faculty appointment in the area of **GIS and cartography (SSC 184)**. The appointment will be at the rank of **assistant professor**, beginning August, 2007. A Ph.D. in geography or closely related field is required. We seek applicants with expertise and interest in cartographic design and visualization and abilities in GIS theory and applications. The successful candidate will be expected to work collaboratively in a multi-disciplinary environment with researchers in the Department of Geography and across the University and to actively contribute to the current spatial technology curriculum. Duties include developing an externally funded research program, teaching undergraduate and graduate student courses, and mentoring graduate students. International experience or demonstrated interest in international regions is an advantage. Applicants should submit a current curriculum vitae, a letter of interest, no more than two sample publications, and names of three references. Michigan State University is an affirmative action, equal opportunity institution and strongly encourages applications from women and minorities. OCT 05-215.

Apply: Dr. Alan Arbogast, 123 Geography Building, Michigan State University, East Lansing, MI, 48824 dunes@msu.edu 517-355-5262. Review of applications will begin November 1 and continue until the position is filled.

MINNESOTA, MACALESTER. Chair Environmental Studies Department

The Environmental Studies Department of Macalester College invites applications for a Chair of the Department to begin Fall 2007. Appointment will be at the Associate or Full Professor rank. We seek applicants who can provide leadership for the Environmental Studies Department and who will help develop and implement a new curriculum in the Department. The best-qualified candidates will have experience participating in an environmental studies/science program. The Department currently has tenure-track faculty in environmental history and environmental policy and we seek a scientist with expertise that will complement these areas. We are especially interested in persons with scholarly and teaching interest in Environmental Science. Areas of expertise could include areas such as physical geography, climatology, biogeography, environmental chemical chemistry, applied mathematics/modeling, agriculture or natural resource management, although other areas will be considered. The position will include the opportunity to forge curricular links with disciplinary and interdisciplinary programs as appropriate. The successful candidate is expected to build and maintain an active research program with students. The Environmental Studies Department is housed in a renovated/expanded science building with state of the art laboratory facilities and equipment. Start-up funds are available. Send letter of application, CV, statement of teaching philosophy and research plans, and 3 letters of reference to the address below. SEP 06-153.

Apply: Dr. Dan Hornbach, Acting Chair, Department of Environmental Studies, Macalester College, St. Paul, MN 55105. Applications received by November 15, 2006 will receive first consideration.

Macalester College is a selective, private liberal arts college located in the Minneapolis-St. Paul metropolitan area, whose vital and diverse urban communities offer multiple opportunities for engagement as an integral part of the student experience. The College enrolls over 1800 students from 50 states plus the District of Columbia and almost 80 countries. As an Equal Opportunity employer supportive of making affirmative efforts to achieve a diverse workforce, the College strongly encourages applications from women and members of underrepresented minority groups. We are especially interested in applicants who are dedicated to excellence in both teaching and research in a liberal arts setting and who are committed to working with students of diverse backgrounds. All faculty at Macalester are

expected to help sustain the Colleges distinctive mission of educational excellence with a special emphasis on internationalism, multiculturalism, and service to society as they pursue their individual research programs and engage with students in and out of the classroom.

*MISSISSIPPI, MISSISSIPPI STATE 39762.

The Department of Geosciences at Mississippi State University invites applications for a new full-time, tenure track Assistant Professor (9-month appointment) position. A Ph.D. in Geography/Meteorology, Geoscience Curriculum and Instruction or closely related field with meteorological applications is required for this position. This position is with the Geoscience Distance Learning Program and will begin on January 2007.

The Assistant Professor will be teaching meteorology courses in our Teachers in Geosciences, Broadcast Meteorology, and Operational Meteorology programs. Courses to be taught may include: Introduction to Meteorology, Synoptic Meteorology, Thermodynamic Meteorology, Satellite Meteorology, Radar Meteorology, Severe Weather and World Geography. The Assistant Professor will also develop a research and service program in their specific area of specialization involving graduate students, other university departments and centers, and government and corporate agencies and sponsors. An interest in distance learning instruction techniques is essential. Extensive computer knowledge and an interest in leading summer field courses and teaching traditional on-campus courses are highly desirable.

The Geoscience Distance Learning Programs offer B.S. and M.S. degrees in Geosciences. The department presently offered seventeen undergraduate and twenty-two graduate courses via distance learning. For more information regarding the distance learning programs please visit <http://www.msstate.edu/dept/geosciences/distance.html>.

Applications must be made online at <https://www.jobs.msstate.edu/>. Applicants should submit a letter of application, a curriculum vita, copies of transcripts and the names and addresses (including e-mail) of three people who may be contacted for letters of recommendation. The official transcripts should be sent to Dr. Mike Brown, Search Committee Chair, Department of Geosciences, P.O. Box 5448, Mississippi State, MS 39762.

Screening of applicants will begin November 1, 2006 and continue until the position is filled. Women and minorities are encouraged to apply. Mississippi State University is an Affirmative Action/Equal Opportunity

Employer. OCT 06-203-1.

NEVADA, RENO. University of Nevada, Reno. The Department of Geography DendroLab invites applications for a **post-doctoral position in the area of landscape-level modeling applied to tree ring records of environmental change**. The postdoc will be responsible for the overall integration, modeling, and scaling-up of field and laboratory data, to arrive at spatial simulations of landscape patterns over time. Review of applications will begin October 1, 2006; the anticipated start date is January 1, 2007. Required qualifications are an earned Ph.D. in Geography, Applied Statistics, Landscape Ecology, Forestry or a related field at the time of appointment. For more information, desired qualifications and to complete the online application visit www.unresearch.com/applicants/Central?quickFind=51374. EEO/AA Women and under-represented groups are encouraged to apply. SEP 06-159.

*NEW JERSEY, MONTCLAIR 07043. The Department of Earth and Environmental Studies at Montclair State University invites applications for a full-time, tenure-track faculty position in **surface hydrology**, with an emphasis on water resource management. This appointment will be at the **assistant rank** starting September 1, 2007. Expertise in metropolitan water quality issues and integrated research and teaching in applied GISciences would be highly desirable. A Ph.D. is required at the time of appointment. Additional information about the position and the department is available at www.csam.montclair.edu/earth. Applicants should send cover letter, CV, three letters of recommendation, and a statement of professional goals, research interests, and teaching philosophy to the address below. OCT 06-241.

Apply: Dr. Duke Ophori (ophorid@mail.montclair.edu), Hydrology Search Committee Chair (VF-30), Dept. of Earth & Environmental Studies, Montclair State University, Montclair, NJ 07043. Review of applications will begin immediately. Montclair State University is an Equal Opportunity/Affirmative Action Employer. Qualified women, minorities, and individuals with disabilities are encouraged to apply.

*NEW YORK, HEMPSTEAD, 11549. The Department of Economics & Geography at Hofstra University invites applications for a tenure track **Assistant Professor** of Geography position. The Department seeks someone with a topical specialty in **Cultural and/or Political**



Global Studies: Assistant Professor Geography – Tenure Track

The Global Studies Department at St. Lawrence University seeks applicants with expertise in geography who can bring to bear spatial analysis on global processes. Preference will be given to those with interests in Africa or indigenous peoples or global women's issues. The person hired must be able to teach an introductory core course on globalization and political economy as well as electives in her/his field. Applications are encouraged from people who enjoy working at the boundaries of disciplines, area studies, and interdisciplinary studies. The global studies major emphasizes intensive advising as students choose the foci of their individual majors and prepare to do senior independent projects. Teaching load is three courses per semester.

Interested candidates should write a detailed letter of application describing their interest in contributing to a global studies department at a Liberal Arts College, their familiarity with theoretical debates surrounding area, global, or development studies; any language competence or field study; experience with transnational, comparative, or world systems analysis. A Ph.D. by the time of appointment is expected. Candidates must present evidence of excellence in teaching and include a curriculum vitae and three letters of reference.

Review of applications will begin on November 15, 2006. Applications should be addressed to Eve W. Stoddard, Chair, Global Studies Department, St. Lawrence University, Canton, NY 13617 U.S.A. Email: estoddard@stlawu.edu. FAX: 315-229-7419.

St. Lawrence University, chartered in 1856, is the oldest coeducational university in New York State. Please see the University homepage at <http://www.stlawu.edu> for more information.

St. Lawrence University is an Affirmative Action/Equal Employment Opportunity employer. Women, members of minority groups, veterans, and persons with disabilities are encouraged to apply.

Geography and the ability to teach regional courses on the Middle East/North Africa, South Asia, or Eastern Europe. Applicants will be expected to teach general undergraduate geography courses, develop new courses in their area of expertise and maintain a strong research agenda. Applicants should submit a CV, letter of interest, statement of research and teaching interests (outlining current/future research contributions and teaching qualifications/preferences), and the names and contact information for three referees. Additional materials, such as a teaching portfolio and research articles, may be subsequently requested by the search committee. It is preferred that the candidate has a PhD in geography or related discipline by the time the appointment begins, but we will be willing to consider candidates that are ABD. Given our Department's commitment to teaching excellence, prior university teaching experience and good teaching reviews are highly desirable. The position remains open until filled, with applications reviewed on a continual basis beginning November 2006. Anticipated start date is August 2007. Hofstra University is a private university located in suburban Long Island, 20 miles east of Manhattan. The campus is accessible by public transit from anywhere in the New York/New Jersey metropolitan area. OCT 06-226.

Apply: Dr. Robert Guttman, Chair, Department of Economics & Geography, Hofstra University, Hempstead, NY 11549. (<http://www.hofstra.edu/Academics/HCLAS/Economics/>) Equal Opportunity Employer.

***NEW YORK, NEW YORK 10024.** The Bard Graduate Center invites applications for a position in **Landscape History/ Cultural Geography**. The BGC is a graduate institute affiliated with Bard College committed to the encyclopedic study of the material world, drawing on methodologies and approaches from art and design history, economic history, history of technology, philosophy, anthropology, and archaeology. For this search, which is **open rank** and open field, we especially seek scholars interested in working in a pluri-disciplinary context and across conventional boundaries of field, period and geography. The recipient must have a Ph.D. Applications are due on 1 December 2006. These should include a cover letter, c.v., sample publication, and names of three references, and should be sent to the address below. OCT 06-240.

Apply: Chair, Landscape History/ Cultural Geography Search Committee, Bard Graduate Center, 18 W. 86th Street, New York, NY 10024 (landscape@bgc.bard.edu).



New York University

ASSISTANT PROFESSOR

Department of Social and Cultural Analysis- Asian American Studies/Urban Studies

FACULTY OF ARTS AND SCIENCE

The Department of Social and Cultural Analysis (SCA) at New York University seeks to appoint a tenure-track assistant professor working at the intersection of urban studies and Asian American studies, construed in broad hemispheric terms. The successful candidate will hold a Ph.D. in a relevant social science discipline, e.g., geography, anthropology, political science, sociology, urban planning or an appropriate interdisciplinary social science doctorate. The degree must be in hand by July 1, 2007, and the appointment would be effective September 1, 2007, pending administrative and budgetary approval. While primarily serving the Department's curricular programs in Asian/Pacific/American Studies, Metropolitan Studies, and American Studies, the appointee to this position will contribute as well to SCA's overall interdisciplinary project. We welcome applications from individuals researching any aspect of the field, including: race, ethnicity and environmentalism; migration, immigration and labor; welfare and work; community development; social service delivery; urban political economy; community organizing; housing and land development; urban and neighborhood revitalization; physical planning and urban design; property rights and planning institutions.

Send letter of application, cv, writing sample (an article-length essay or a portion of a dissertation or book manuscript), and reference dossier to: **Junior Faculty Search Committee, Department of Social and Cultural Analysis, New York University, 41 East 11th Street, 7th Floor, New York, NY 10003-4602.** *Deadline for receipt of applications is November 1, 2006.*

NYU is an Equal Opportunity/Affirmative Action Employer.

NORTH CAROLINA, WILMINGTON. Chair, Department of Geography and Geology. The University of North Carolina Wilmington invites applications for the position of Professor and Chair of the Department of Geography and Geology in the College of Arts and Sciences (<http://www.uncw.edu/ears>). We seek candidates with an outstanding reputation within the academic community; individuals with expertise in physical geography (especially in coastal settings), remote sensing, or natural hazards are particularly encouraged to apply. Successful candidates will have a demonstrated ability to bring dynamic and innovative leadership to the department. A PhD in geography is preferred; candidates with a PhD in a related discipline and experience with geography programs will be considered. The successful candidate must possess a strong record of leadership experience; excellent interpersonal skills, including the ability to communicate effectively with students, faculty, and the administration; a commitment to working with a diverse faculty; and a distinguished record in teaching, scholarship and research appropriate to appointment at the rank of full professor. SEP 06-198.

To apply, please complete the online application process available on the Web at <http://consensus.uncw.edu>. A letter of application including curriculum vitae, a brief statement of administrative philosophy, a description of research and instructional interests, and contact information for three professional references should be attached to the online application – not e-mailed, mailed or faxed. Microsoft Word or Adobe PDF attachments are preferred. For questions regarding the online application process, contact Catherine Morris at morris@uncw.edu or (910) 962-3736. Under North Carolina law, applications and related materials are confidential personnel documents and not subject to public release. UNCW conducts criminal background checks on finalists prior to offers of employment.

Review of applications will begin December 1, 2006, and continue until the position is filled. The position is anticipated to begin July 1, 2007. Questions about the position may be addressed to Dr. Patricia H. Kelley at kelleyp@uncw.edu.

UNCW is an equal opportunity, affirmative action employer. Minorities and women are encouraged to apply.

***NORTH DAKOTA, GRAND FORKS 58202-9020.** University of North Dakota. The Department of Geography seeks a **human geographer** with teaching interests in cartography/GIS and urban-regional planning at the rank of **Assistant Professor** beginning 16 August 2007. The successful candidate will teach cartography, GIS, introduction to human geography, urban geography and planning, and other courses reflective of their expertise in the department's Community and Urban Development track. This faculty member is expected to develop an active research program leading to scholarly publications, seek external funding, and supervise graduate students. A Ph.D. at the time of appointment is preferred, but ABD candidates will be considered.

The University of North Dakota is an Equal Opportunity/Affirmative Action Employer. Women and minority applicants are encouraged. Please send a letter discussing your teaching and research interests and experiences, curriculum vitae, graduate transcripts, and the names, telephone numbers, and e-mail addresses of three references by 1 November 2006 (or until position is filled) to the address below. OCT 06-238-1.

Apply: Search Committee, Department of Geography, 221 Centennial Drive Stop 9020, University of North Dakota, Grand Forks, ND 58202-9020. Telephone: (701) 777-4246; Fax: (701) 777-6195; email: paul_todhunter@und.nodak.edu.

Web site: <http://www.und.edu/dept/Geog/mainpage.htm>.

OHIO, GRANVILLE 43023. **Earth Surface Processes, Assistant Professor**, Denison University.

The Department of Geosciences at Denison University invites applications for a new tenure track position in the areas of physical geography, earth surface processes or earth systems science to begin in Fall 2007. A Ph.D. at the time of appointment is required. We seek a broadly-trained scientist who shows potential as an outstanding teacher/scholar to teach introductory Physical Geology or Physical Geography and courses in the applicant's areas of expertise that will enhance the diversity of our program. Some fields of interest include hydrology, geomorphology, low temperature geochemistry, surface geophysics, biogeography, land use and resources, atmospheric sciences, and ocean sciences. Expertise in remote sensing and/or geographic information science is a plus. All candidates engaged in the study of modern surface processes—broadly defined—and environmental change will be seriously considered.

We seek a colleague who is committed to teaching excellence in the liberal arts tradition, is field-oriented, has broad interests beyond their specialty, and will provide a balance of classroom, field and laboratory experiences for our majors. Denison is a highly selective liberal arts college strongly committed to, and supportive of, excellence in teaching and active faculty research that involves undergraduate students.

Please submit the following: a letter of application; a statement of your approach to teaching and research in a liberal arts setting as well as ways in which your expertise would expand, enrich and complement our program; a vita; academic transcripts; and contact information for three references to the address below. SEP 06-178.

Apply: Dr. Tod Frolking, Department of Geosciences, Denison University, Granville, OH 43023; (740) 587-6217; frolking@denison.edu. Application materials should arrive by October 30, 2006 for full consideration, although the search will remain open until the position is filled. We encourage early applications as we would like to meet with those attending GSA in late October. Denison University is an Affirmative Action, Equal Opportunity Employer. In a continuing effort to diversify our Campus Community, we strongly encourage women and people of color to apply.

OHIO, KENT 44242. The Department of Geography at Kent State University invites applications for a **Visiting Assistant/Associate Professor of Geography** beginning August 2006 or January 2007. All specializations will be considered. The successful applicant will teach introductory geography, regional geography courses, and/or courses in applicant's specialty areas. Applicant should hold a Ph.D. in Geography but ABD is also acceptable. The review of applications will begin immediately until the position is filled. Kent State Geography offers BA, MA and Ph.D. degree programs in Geography. Faculty are active in research and publication, offering ample opportunities for collaboration. Detailed information of the department is available at <http://dept.kent.edu/geography>. SEP 06-179.

Apply to Dr. Jay Lee, Chair, Department of Geography, Kent State University, Kent, Ohio 44242-0001. Inquiries may be made *via* email: jlee@kent.edu, or voice: 330-672-3222. Kent State University is an equal opportunity, affirmative action employer, and is strongly committed to increasing the diversity of its faculty.

***OHIO, OXFORD 45056.** Miami University. Tenure-track Assistant Professor. Begin August 2007.

The Department of Geography seeks a full-time, tenure-track **assistant professor in urban geography** who will contribute to our program in Urban and Regional Planning and other areas of existing strength. Candidates from a broad range of theoretical and analytical perspectives will be considered. Teaching will include introductory, advanced, and graduate-level courses. Remuneration includes salary and benefits, including health insurance. Ph.D. required at time of appointment. Screening begins October 31, 2006 and continues until the position is filled.

Send curriculum vitae, letter describing scholarly and teaching interests, three letters of recommendation, copies of relevant publications, and record of teaching (including courses taught and evidence of teaching quality).

Miami University is an affirmative action / equal opportunity employer. Women and minorities are encouraged to apply. Miami University offers an excellent benefits package including same-sex domestic partner benefits. Visit www.muohio.edu/benefits for details. For information regarding campus crime and safety, visit www.muohio.edu/righttoknow. OCT 06-264.

Apply: David Prytherch, Chair, Search Committee, Department of Geography, 216 Shideler Hall Miami University, Oxford, Ohio 45056 (telephone: 513-529-5010, fax: 513-529-1948; email prythedl@muohio.edu). For more information on Miami University and the Department of Geography, consult the web site at www.muohio.edu/geography.

OKLAHOMA, STILLWATER 74078-4073. Oklahoma State University. The Department of Geography invites applications for a tenure-track **Assistant Professor** beginning August 2007. The department is searching for a geographer specializing in **Human-Environment Interactions**, which may include cultural or political ecology, development studies, or natural resources. Experience with fieldwork and a desire to teach field techniques and GPS are required. Ability to teach introductory GIS and a regional specialty in Latin America or Africa would be an advantage. A PhD in Geography or closely related field at the time of appointment is expected. The successful candidate will be expected to develop an excellent instructional program and a nature-society research agenda in support of departmental mission.

OSU Geography is a doctoral-granting department housed in the College of Arts and Sciences and currently has 14 faculty members, 55 undergraduate majors, and 45 graduate students. OSU is a Land Grant University with

a student population of approximately 23,000. Stillwater is an attractive community of 40,000 equidistant from Tulsa and Oklahoma City. Further information on the department is available at <http://www.geog.okstate.edu>.

Applicants must submit a letter of application that includes a statement of teaching and research direction, curriculum vitae, and have three letters of reference forwarded by November 1, 2006. Women and minority candidates are strongly encouraged to apply. EO/AEE. SEP 06-195.

Apply: Dr. Dale Lightfoot, Head, Department of Geography, Oklahoma State University, Stillwater, OK 74078-4073. Voice: 405-744-6250. FAX: 405-744-5620. E-Mail: drlight@okstate.edu.

OKLAHOMA, STILLWATER 74078-4073. Oklahoma State University. The Department of Geography invites applications for a tenure-track **Assistant Professor** beginning August 2007. The department is searching for a geographer with a focus in remote sensing applied to **Environmental or Physical Geography**. Specialties in energy or water resources would be an advantage. A PhD in Geography or closely related field at the time of appointment is expected. This position will augment an existing specialty area and broaden course offerings of the department at both the undergraduate and graduate levels. Opportunities exist for collaborative research both within the department and through university centers in energy and water resources. The successful candidate will be expected to develop an excellent instructional program and a research agenda in their area of interest and in support of departmental mission.

OSU Geography is a doctoral-granting department housed in the College of Arts and Sciences and currently has 14 faculty members, 55 undergraduate majors, and 45 graduate students. OSU is a Land Grant University with a student population of approximately 23,000. Stillwater is an attractive community of 40,000 equidistant from Tulsa and Oklahoma City. Further information on the department is available at <http://www.geog.okstate.edu>.

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Apply: Dr. Dale Lightfoot, Head, Department of Geography, Oklahoma State University, Stillwater, OK 74078-4073. Voice: 405-744-6250. FAX: 405-744-5620. E-Mail: drlight@okstate.edu.

OREGON, EUGENE 97403-1251. University of Oregon. Tenure-track Assistant Professor position beginning September 2007. We seek an individual with interests in **China's evolving character and its changing global economic and political role.** The ideal candidate will seek to link empirical work on economic, social, political, or environmental topics with larger theoretical concerns. Applicants should have a demonstrated interest in contributing to a program that fosters links between human and physical geography. The successful candidate is expected to conduct a rigorous research program, and to teach at both the undergraduate and graduate levels. Duties include teaching courses in human geography, the regional geography of Asia, and topical fields of specialization; maintaining a strong program of research and publication; and supervising masters and doctoral students. Ph.D. must be in hand by September 2007. Send letter of application that details research and teaching interests, professional accomplishments, and a future research plan; curriculum vitae; and the names and contact information (not letters) of exactly three references. No electronic applications. EO/AA/ADA institution committed to cultural diversity. We invite applications from qualified candidates who share that commitment and encourage applications from members of underrepresented groups. To assure full consideration, applications must be received by October 20, 2006. Send materials to the address below. SEP 06-201.

Apply: Prof. Walker, Search Committee Chair, Department of Geography, University of Oregon, 1251 Univ. Oregon, Eugene OR, 97403-1251.

OREGON, EUGENE 97403. Position: **Director of the Center for the Study of Women in Society (CSWS) and tenured associate or full professor in the Department of Sociology,** posting #6154. Full description of CSWS: (<http://csws.uoregon.edu>). Qualifications: Ph.D.; excellence in research and teaching on women in society; breadth of gender scholarship and theory; commitment to interdisciplinary concerns; administrative experience; record securing support for research and/or programs; sociological orientation regardless of discipline. Application includes: letter describing relevant research, teaching, administrative, and funding experience; curriculum vitae; evidence of teaching excellence; names of three references. Send materials to the address below. SEP 06-160.

Apply: CSWS/Sociology Search Committee, 1201 University of Oregon, Eugene OR 97403-1201.

Review begins October 2, 2006. Search open until successful candidate chosen. The

successful candidate will have ability to work effectively with faculty, staff and students from diverse backgrounds. The University of Oregon is an equal opportunity, affirmative-action institution committed to cultural diversity and compliance with the Americans with Disabilities Act.

Complete position description: <http://jobs.uoregon.edu/unclassified/academic/> For questions call 541-346-5015, or email csws@uoregon.edu.

***OREGON, PORTLAND 97207-0751.** Portland State University. The Department of Geography (www.geog.pdx.edu) invites applications for a full-time tenure-track position in **Environmental Geography** at the rank of **Assistant Professor** to begin September 2007. We are seeking research expertise in one of the following areas: environmental dimensions of global change, environmental modeling or analysis, or economic development. The successful candidate will be expected to develop a funded research agenda that complements the department's and university's specializations, and to teach graduate and undergraduate courses in the area of specialization, an introductory course in either physical or human geography, and an upper division course in geographic techniques. The successful applicant must have a strong commitment to quality teaching at the undergraduate and graduate levels and demonstrate the potential to initiate and maintain an externally funded research program. Ph. D. is required at time of appointment.

Portland State University is a comprehensive public university with approximately 20,000 students. The Geography Department offers bachelors and masters degrees in Geography and a doctoral degree in conjunction with the Environmental Sciences and Resources program. University-wide initiatives include a commitment to sustainability, internationalization, diversity, and innovative pedagogy.

Candidates should submit a letter of application, curriculum vitae, and names and addresses (including e-mail addresses) of three referees to the address below. Review of applications will begin December 1 and continue until finalists are identified. (AAG number here). OCT 06-236.

Apply: Search Committee Chair, Dept. of Geography, Portland State University, Portland, OR 97207-0751. PSU is an AA/EO institution and, in keeping with the President's diversity initiative, welcomes applications from diverse candidates and candidates who support diversity.

SOUTH CAROLINA, COLUMBIA 29208. University of South Carolina. The Department

of Geography invites applications for two **tenure track assistant professor positions** to begin August 2007.

Position 1: **GIScientist with expertise in visualization, cartography, and human-computer interactions.**

Position 2: **Human geographer with expertise in migration and related issues.**

Applicants for this position must have demonstrated interests that complement and extend existing departmental strengths in societal change, sustainability and human security; culture, place and power; and environmental transformations. We encourage candidates with international/transnational research interests to apply.

Successful candidates for both positions will couple broad analytical capability with interest and skill in contributing to interdisciplinary research teams, and must demonstrate excellence in research and teaching. A Ph.D. in geography or closely allied discipline is required at the time of appointment. Successful candidates will join a 19-member department that offers bachelors, masters, and PhD programs in integrative geography. The department offers a full range of degree programs and enjoys excellent administrative support for its activities. The department has excellent recently renovated facilities that house several specialized activities including the Geographic Alliance, the Center for GIS and Remote Sensing, and Hazards and Vulnerability Research Institute.

The department will begin initial screening processes for these positions on October 16, 2006. The search process will continue until the positions are filled. To apply, send letter of application, curriculum vitae, and the names and addresses (including e-mail addresses) of three referees to the address below. E-mail applications accepted. JUL 06-155-3.

Apply to William L. Graf, Chair, Department of Geography, University of South Carolina, Columbia, SC 29208; E-mail graf@sc.edu. For additional information, visit our departmental web site at www.cas.sc.edu/geog. Voice 803-777-5234; fax 803-777-4972. The University of South Carolina is an Equal Opportunity/Affirmative Action Employer. Minorities and women are encouraged to apply.

***TENNESSEE, JOHNSON CITY 37614.** East Tennessee State University, College of Business and Technology, Department of Economics, Finance, Geography, and Urban Studies invites applications for a tenure-track position in Geography beginning fall 2007 at the **Assistant Professor** level. We seek a diversified geographer who can teach courses in **physical geography (Weather and Climate, Landforms and Process-**

es), remote sensing, and resource management. GIS teaching experience is a plus. The successful candidate will have an active research agenda leading to refereed journal publications. Teaching load for such a candidate is 3 courses per semester. Ph.D. in Geography is required by time of appointment. Send only a letter of application and current vita with references to the address below. OCT 06-214.

Apply: Edward A. Baryl, Jr. Ph.D., Chair, Department of Economics, Finance, Geography, and Urban Studies, East Tennessee State University, Box 70686, Johnson City, TN 37614 (email: Baryl@etsu.edu). Do not send research papers, student evaluations, or reference letters. Deadline for applications is November 30, 2006.

East Tennessee State University is an equal opportunity/ affirmative action employer. Minorities, people with disabilities, and women are encouraged to apply. Position contingent on state funding.

***TENNESSEE, MURFREESBORO 37132.** The Geosciences Department of Middle Tennessee State University seeks a **broadly trained geographer with research and teaching expertise in the area of geographic information science and cartography** to work with current faculty to expand an established program in GIS/Remote Sensing (125180). Position is available January 1, 2007. A Ph.D. in Geography or closely related field is required. Teaching responsibilities may include the following undergraduate courses: introductory and advanced GIS, Cartography, and related topics. The candidate would also be required to teach introductory geography. Research, university/community service, and cooperative work with Department faculty and staff are expected. Some college teaching and research experience preferred; salary dependent upon qualifications and experience. OCT 06-248.

To Apply: go to <http://mtsujobs.mtsu.edu> and follow the instructions on how to complete an application, attach a resume, and submit application online. The Department would also like applicants to send 3 letters of recommendation and transcripts to Dr. Hilary Stallings, College of Liberal Arts Faculty Recruitment, MTSU Box 546, Murfreesboro, TN 37132; original letters of recommendations and official transcripts (not issued to student) of all degrees are required prior to on-campus interview. For more information contact Tom Nolan, search committee chair at tnolan@mtsu.edu or 615-898-5561 or Jim Henry at jhenry@mtsu.edu or 615-898-5075. Review of applications begins October 29, 2006; contract starts January 1, or August 1, 2007. Proof of U.S. citizenship OR eligibility

for U.S. employment will be required prior to employment (Immigration Control Act of 1986). Clearly Act crime statistics for MTSU available at http://police.mtsu.edu/crime_statistics.htm. EO/AA employer.

***TEXAS, AUSTIN 78712.** The University of Texas at Austin. **Assistant Professor.** The Department of Geography and the Environment and the Center for African and African American Studies invites applications for a tenure-track Assistant Professor position with a starting date of September 1, 2007. The areas of specialization are the Cultural Geography of the African Diaspora or Urban Geography with a focus on African-American communities. Position duties will include teaching undergraduate and graduate courses, research, and service to the Department, Center, and University. Applicants must hold a Ph.D. at the time of appointment, demonstrate publication potential and a clearly defined research agenda, and present evidence of teaching abilities. Send letter of application, curriculum vitae, statement of research and teaching interests, sample publications, and three letters of reference to the address below. OCT 06-229.

Apply: Dr. Paul Adams, Search Committee Chair, Department of Geography and the Environment, 1 University Station, A3100, Austin, TX 78712. Questions may be directed to him at paul.adams@mail.utexas.edu or 512-232-1599. Review of applications commences December 1, 2006 and will continue until the position is filled. A criminal background check will be conducted. The University of Texas is an Affirmative Action/Equal Opportunity employer.

TEXAS, AUSTIN 78712. University of Texas. **Assistant Professor.** The Department of Geography and the Environment invites applications for a tenure-track Assistant Professor position in **GIScience and environmental analysis** to begin September 1, 2007. Salary commensurate with qualifications and/or expertise.

The successful applicant must have an established record of excellence in research productivity in at least two of the following: decision support analysis, environmental modeling, GIS, landscape ecology, and spatial analysis / statistics. Ability to teach GIScience classes strongly preferred, as is ability in or willingness to pursue research in international settings and multiscale analysis. The successful applicant will be strongly encouraged to work with one or more related campus units, including Center for Space Research, Environmental Science Institute, GIScience Center, and Population Research Center.

Applicants must hold a Ph.D. at the time of appointment, have a proven research record

and clearly defined research agenda, and present evidence or potential of teaching excellence. Send letter of application, curriculum vitae, statement of research and teaching interests, sample publications (no more than three), and three letters of reference. SEP 06-185.

Apply: Dr. Kelley A. Crews-Meyer, Search Committee Chair, Department of Geography and the Environment, 1 University Station, A3100, Austin, TX 78712. Questions may be directed to her at kacm@uts.cc.utexas.edu or 512.232.5909. Review of applications commences October 16, 2006. A criminal background check will be conducted. The University of Texas is an Affirmative Action/Equal Opportunity employer.

***TEXAS, COLLEGE STATION 77843-3147.** Texas A&M University. The Department of Geography (<http://geog.tamu.edu>) invites applications for **two tenure-track positions in Human Geography** at the **Assistant Professor** level, to begin in September 2007. We seek geographers researching **global economic and/or political processes**. Possible specializations are health geography, urbanization, large-scale organizations and institutions, or public policy, however other specializations will be seriously considered. One of these geographers must be capable of teaching an introductory undergraduate GIS course. These positions are part of a major expansion at Texas A&M, the College of Geosciences, and the Department of Geography. The successful candidates are expected to solidify the human geography research cluster and support the human-environment research cluster. Outstanding opportunities exist for collaboration with other departments, research units, and interdisciplinary initiatives within the College of Geosciences (<http://geosciences.tamu.edu>) and the University (e.g., the George Bush School of Government and Public Service, and the Colleges of Liberal Arts and Agriculture & Life Sciences, the Department of Urban and Regional Planning). The successful applicants must have a strong commitment to quality teaching at both undergraduate and graduate levels and demonstrate the potential to initiate and maintain vigorous, externally funded research programs. The Ph.D. is required at time of appointment.

Candidates should submit a letter of application, curriculum vitae, and names and addresses (including e-mail addresses) of three referees to the address below. OCT 06-249.

Apply: Professor Jonathan M. Smith, Search Committee Chair (jmsmith@tamu.edu). Review of applications will begin on November 1st, 2006. Texas A&M University is an Affirmative Action/Equal Opportunity Employer. The

Continued on page 45

Geographic Information Science & Technology Body of Knowledge

Edited by David DiBiase, Michael DeMers, Ann Johnson, Karen Kemp, Ann Taylor Luck, Brandon Plewe, and Elizabeth Wentz

UNIVERSITY CONSORTIUM FOR GEOGRAPHIC INFORMATION SCIENCE

Analytical Methods

AM1 Academic and analytical origins

- 1-1 Academic foundations
- 1-2 Analytical approaches

AM2 Query operations and query languages

- 2-1 Set theory
- 2-2 Structured Query Language (SQL) and attribute queries
- 2-3 Spatial queries

AM3 Geometric measures

- 3-1 Distances and lengths
- 3-2 Direction
- 3-3 Shape
- 3-4 Area
- 3-5 Proximity and distance decay
- 3-6 Adjacency and connectivity

AM4 Basic analytical operations

- 4-1 Buffers
- 4-2 Overlay
- 4-3 Neighborhoods
- 4-4 Map algebra

AM5 Basic analytical methods

- 5-1 Point pattern analysis
- 5-2 Kernels and density estimation
- 5-3 Spatial cluster analysis
- 5-4 Spatial interaction
- 5-5 Analyzing multidimensional attributes
- 5-6 Cartographic modeling
- 5-7 Multi-criteria evaluation
- 5-8 Spatial process models

AM6 Analysis of surfaces

- 6-1 Calculating surface derivatives
- 6-2 Interpolation of surfaces
- 6-3 Surface features
- 6-4 Intervisibility
- 6-5 Friction surfaces

AM7 Spatial statistics

- 7-1 Graphical methods
- 7-2 Stochastic processes
- 7-3 The spatial weights matrix
- 7-4 Global measures of spatial association
- 7-5 Local measures of spatial association
- 7-6 Outliers
- 7-7 Bayesian methods

AM8 Geostatistics

- 8-1 Spatial sampling for statistical analysis
- 8-2 Principles of semi-variogram construction
- 8-3 Semi-variogram modeling
- 8-4 Principles of kriging
- 8-5 Kriging variants

AM9 Spatial regression and econometrics

- 9-1 Principles of spatial econometrics
- 9-2 Spatial autoregressive models
- 9-3 Spatial filtering
- 9-4 Spatial expansion and Geographically Weighted Regression (GWR)

AM10 Data Mining

- 10-1 Problems of large spatial databases
- 10-2 Data mining approaches
- 10-3 Knowledge discovery
- 10-4 Pattern recognition and matching

AM11 Network analysis

- 11-1 Networks defined
- 11-2 Graph theoretic (descriptive) measures
- 11-3 Least-cost (shortest) path
- 11-4 Flow modeling
- 11-5 The Classic Transportation Problem
- 11-6 Other classic network problems
- 11-7 Accessibility Modeling

AM12 Optimization and location-allocation modeling

- 12-1 Operations research modeling and location modeling principles
- 12-2 Linear programming
- 12-3 Integer programming
- 12-4 Location-allocation modeling and

Conceptual Foundations

CF1 Philosophical foundations

- 1-1 Metaphysics and ontology
- 1-2 Epistemology and methodology
- 1-3 Philosophy of science

CF2 Cognitive and social foundations

- 2-1 Perception and cognition of geographic phenomena
- 2-2 From concepts to data
- 2-3 Geography as a foundation for GIS
- 2-4 Place and landscape
- 2-5 Common-sense geographies
- 2-6 Cultural influences
- 2-7 Political influences

CF3 Domains of geographic information

- 3-1 Space
- 3-2 Time
- 3-3 Relationships between space and time
- 3-4 Properties

CF4 Elements of geographic information

- 4-1 Discrete entities
- 4-2 Events and processes
- 4-3 Fields in space and time
- 4-4 Integrated models

CF5 Relationships

- 5-1 Categories
- 5-2 Mereology: structural relationships
- 5-3 Genealogical relationships: lineage, inheritance
- 5-4 Topological relationships
- 5-5 Metrical relationships: distance and direction
- 5-6 Spatial distribution
- 5-7 Region
- 5-8 Spatial integration

CF6 Imperfections in geographic information

- 6-1 Vagueness
- 6-2 Mathematical models of vagueness: Fuzzy sets and rough sets
- 6-3 Error-based uncertainty
- 6-4 Mathematical models of uncertainty: Probability and statistics

Cartography and Visualization

CV1 History and trends

- 1-1 History of cartography
- 1-2 Technological transformations

CV2 Data considerations

- 2-1 Source materials for mapping
- 2-2 Data abstraction: classification, selection, and generalization
- 2-3 Projections as a map design issue

CV3 Principles of map design

- 3-1 Map design fundamentals
- 3-2 Basic concepts of symbolization
- 3-3 Color for cartography and visualization
- 3-4 Typography for cartography and visualization

CV4 Graphic representation techniques

- 4-1 Basic thematic mapping methods
- 4-2 Multivariate displays
- 4-3 Dynamic and interactive displays
- 4-4 Representing terrain
- 4-5 Web mapping and visualizations
- 4-6 Virtual and immersive environments
- 4-7 Spatialization
- 4-8 Visualization of temporal geographic data
- 4-9 Visualization of uncertainty

CV5 Map production

- 5-1 Computational issues
- 5-2 Map production
- 5-3 Map reproduction

CV6 Map use and evaluation

- 6-1 The power of maps
- 6-2 Map reading
- 6-3 Map interpretation
- 6-4 Map analysis
- 6-5 Evaluation and testing
- 6-6 Impact of uncertainty

Design Aspects

DA1 The scope of GIS&T system design

- 1-1 Using models to represent information and processes
- 1-2 Components of models: data, structures, procedures
- 1-3 The scope of GIS&T applications
- 1-4 The scope of GIS&T design
- 1-5 The process of GIS&T design

DA2 Project definition

- 2-1 Problem definition
- 2-2 Planning for design
- 2-3 Application/user assessment
- 2-4 Requirements analysis
- 2-5 Social, political, and cultural issues

DA3 Resource planning

- 3-1 Feasibility analysis
- 3-2 Software systems
- 3-3 Data costs
- 3-4 Labor and management
- 3-5 Capital: facilities and equipment
- 3-6 Funding

DA4 Database design

- 4-1 Modeling tools
- 4-2 Conceptual model
- 4-3 Logical models
- 4-4 Physical models

DA5 Analysis design

- 5-1 Recognizing analytical components
- 5-2 Identifying and designing analytical procedures
- 5-3 Coupling scientific models with GIS
- 5-4 Formalizing a procedure design

DA6 Application design

- 6-1 Workflow analysis and design
- 6-2 User interfaces
- 6-3 Development environments for geospatial applications
- 6-4 Computer-Aided Software Engineering (CASE) tools

DA7 System implementation

- 7-1 Implementation planning
- 7-2 Implementation tasks
- 7-3 System testing
- 7-4 System deployment

Data Modeling

DM1 Basic storage and retrieval structures

- 1-1 Basic data structures
- 1-2 Data retrieval strategies

DM2 Database management systems

- 2-1 Coevolution of DBMS and GIS
- 2-2 Relational DBMS
- 2-3 Object-oriented DBMS
- 2-4 Extensions of the relational model

DM3 Tessellation data models

- 3-1 Grid representations
- 3-2 The raster model
- 3-3 Grid compression methods
- 3-4 The hexagonal model
- 3-5 The Triangulated Irregular Network (TIN) model
- 3-6 Resolution
- 3-7 Hierarchical data models

DM4 Vector and object data models

- 4-1 Geometric primitives
- 4-2 The spaghetti model
- 4-3 The topological model
- 4-4 Classic vector data models
- 4-5 The network model
- 4-6 Linear referencing
- 4-7 Object-based spatial databases

DM5 Modeling 3D, uncertain, and temporal phenomena

- 5-1 Spatio-temporal GIS
- 5-2 Modeling uncertainty
- 5-3 Modeling three-dimensional entities

Data Manipulation

DN1 Representation

transformations
data transformation
interpolation
vector-t
conversion
aster
transformations

DN2 Generalization and aggregation

- 2-1 Scale and generalization
- 2-2 Point, line, and area generalization
- 2-3 Classification and transformation of attribute measurement levels
- 2-4 Aggregation of spatial entities

DN3 Transaction management

- 3-1 Database change
- 3-2 Modeling database change
- 3-3 Reconciling database change
- 3-4 Managing versioned geospatial databases

Geocomputation

GC1 Emergence of geocomputation

1-1
1-2
1-3
1-4
1-5

GC2 Computational aspects and neurocomputing

- 2-1 High performance computing
- 2-2 Computational intelligence
- 2-3 Non-linearity relationships and non-Gaussian distributions
- 2-4 Pattern recognition
- 2-5 Geospatial data classification
- 2-6 Multi-layer feed-forward neural networks
- 2-7 Space-scale algorithms
- 2-8 Rule learning
- 2-9 Neural network schemes

GC3 Cellular Automata (CA)

- 3-1 CA Model Structure
- 3-2 CA Transition Rule
- 3-3 CA simulation and calibration
- 3-4 Integration of CA and other geocomputation methods
- 3-5 Typical CA applications

GC4 Heuristics

- 4-1 Greedy heuristics
- 4-2 Interchange heuristics
- 4-3 Interchange with probability
- 4-4 Simulated annealing
- 4-5 Lagrangian relaxation

GC5 Genetic algorithms (GA)

- 5-1 GA and global solutions
- 5-2 Genetic algorithms and artificial genomes

GC6 Agent-based models

- 6-1 Structure of agent-based models
- 6-2 Specification of agent-based models
- 6-3 Adaptive agents
- 6-4 Microsimulation and calibration of agent activities
- 6-5 Encoding agent-based models

GC7 Simulation modeling

- 7-1 Simulation modeling

GC8 Uncertainty

- 8-1 Conceptual model of uncertainty
- 8-2 Error
- 8-3 Problems of scale and zoning
- 8-4 Propagation of error in geospatial modeling
- 8-5 Theory of error propagation
- 8-6 Problems of currency, source, and scale

GC9 Fuzzy sets

- 9-1 Fuzzy logic
- 9-2 Fuzzy measures
- 9-3 Fuzzy aggregation operators
- 9-4 Standardization
- 9-5 Weighting schemes

Geospatial Data

GD1 Earth geometry

- 1-1 History of understanding Earth's shape
- 1-2 Geoids
- 1-3 Spheres and ellipsoids

GD2 Land partitioning systems

- 2-1 Unsystematic methods
- 2-2 Systematic methods

GD3 Georeferencing systems

- 3-1 Geographic coordinate system
- 3-2 Plane coordinate systems
- 3-3 Tessellated referencing systems
- 3-4 Linear referencing systems

GD4 Datums

- 4-1 Horizontal datums
- 4-2 Vertical datums

GD5 Map projections

- 5-1 Map projection properties
- 5-2 Map projection classes
- 5-3 Map projection parameters
- 5-4 Georegistration

GD6 Data quality

- 6-1 Geometric accuracy
- 6-2 Thematic accuracy
- 6-3 Resolution
- 6-4 Precision
- 6-5 Primary and secondary sources

GD7 Land surveying and GPS

- 7-1 Survey theory and electro-optical methods
- 7-2 Land records
- 7-3 Global Positioning System

GD8 Digitizing

- 8-1 Tablet digitizing
- 8-2 On-screen digitizing
- 8-3 Scanning and automated vectorization

GD9 Field data collection

- 9-1 Sample size selection
- 9-2 Spatial sample types
- 9-3 Sample intervals
- 9-4 Field data technologies

GD10 Aerial imaging and photogrammetry

- 10-1 Nature of aerial image data
- 10-2 Platforms and sensors
- 10-3 Aerial image interpretation
- 10-4 Stereoscopy and orthoimagery
- 10-5 Vector data extraction
- 10-6 Mission planning

GD11 Satellite and shipboard remote sensing

- 11-1 Nature of multispectral image data
- 11-2 Platforms and sensors
- 11-3 Algorithms and processing
- 11-4 Ground verification and accuracy assessment
- 11-5 Applications and settings

GD12 Metadata, standards, and infrastructures

- 12-1 Metadata
- 12-2 Content standards
- 12-3 Data warehouses
- 12-4 Exchange specifications
- 12-5 Transport protocols
- 12-6 Spatial Data Infrastructures

GIS&T and Society

GS1 Legal aspects

- 1-1 The legal time
- 1-2
- 1-3 Liability
- 1-4 Privacy

GS2 Economic aspects

- 2-1 Economics and the role of information
- 2-2 Valuing and measuring benefits
- 2-3 Models of benefits
- 2-4 Agency, organizational, and individual perspectives
- 2-5 Measuring costs

GS3 Use of geospatial information in the public sector

- 3-1 Uses of geospatial information in government
- 3-2 Public participation in governing
- 3-3 Public participation GIS

GS4 Geospatial information as property

- 4-1 Property regimes
- 4-2 Mechanisms of control of geospatial information
- 4-3 Enforcing control

GS5 Dissemination of geospatial information

- 5-1 Incentives and barriers to sharing geospatial information
- 5-2 Data sharing among organizations and individuals
- 5-3 Legal mechanisms for sharing geospatial information
- 5-4 Balancing security and open access to geospatial information

GS6 Ethical aspects

- 6-1 Ethics and geospatial information
- 6-2 Codes of ethics for geospatial professionals

GS7 Critical GIS

- 7-1 Epistemological critiques
- 7-2 Ethical critiques
- 7-3 Feminist critiques
- 7-4 Social critiques

Organizational & Institutional Aspects

OI1 Origins of GIS&T

- 1-1 Public sector origins
- 1-2 Private sector origins
- 1-3 Academic origins
- 1-4 Learning from experience
- 1-5 Future trends

OI2 Managing the GI system operations and infrastructure

- 2-1 Managing the GI system operations and infrastructure
- 2-2 Ongoing GI system revision
- 2-3 Budgeting for GI system management
- 2-4 Database administration
- 2-5 System management
- 2-6 User support

OI3 Organizational structures and procedures

- 3-1 Organizational models for GI system management
- 3-2 Organizational models for coordinating GI systems and/or program participants and stakeholders
- 3-3 Integrating GIS&T with management information systems (MIS)

OI4 GIS&T workforce themes

- 4-1 GIS&T staff development
- 4-2 GIS&T positions and qualifications
- 4-3 GIS&T training and education
- 4-4 Incorporating GIS&T into existing job classifications

OI5 Institutional and inter-institutional aspects

- 5-1 Spatial data infrastructures
- 5-2 Adoption of standards
- 5-3 Technology transfer
- 5-4 Spatial data sharing among organizations
- 5-5 Openness
- 5-6 Balancing data access, security, and privacy
- 5-7 Implications of distributed GIS&T
- 5-8 Interorganizational and vendor GI systems

OI6 Coordinating organizations

- 6-1 Federal agencies and national and international organizations and programs
- 6-2 State and regional coordinating bodies
- 6-3 Professional organizations
- 6-4 Publications
- 6-5 The geospatial community
- 6-6 The geospatial industry

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University is dedicated to the goal of building a culturally diverse and pluralistic community committed to teaching and working in a multicultural environment. We strongly encourage applications from women, underrepresented ethnic groups, and individuals with disabilities.

***TEXAS, DALLAS 75083. Head, Geospatial Information Sciences.**

The University of Texas at Dallas seeks a distinguished geospatial scientist to head its program, consequent to the retirement of the current director. Candidates need a Ph.D. degree, a distinguished record of teaching, research and public service, and demonstrated potential to lead a new program to national and international eminence. This is an exceptional opportunity for an individual energized by a unique multi-disciplinary environment.

The Ph.D. program in Geospatial Information Sciences, which commenced in Fall 2005, is offered jointly by the School of Economic, Political and Policy Sciences, the Department of Geosciences in the School of Natural Sciences and Mathematics, and the Department of Computer Science in the Eric Jonsson School of Engineering and Computer Science. A joint Master of Science in Geographical Information Sciences, Graduate Certificates in Geographic Information Systems and Remote Sensing, and a Bachelor of Arts in Geography with GIS emphasis are also offered. The university is located in the suburbs of north Dallas amid one of the largest and most vibrant high-technology concentrations in the nation. For more information, go to the School's web site at: <http://www.utdallas.edu/dept/socsci>, and the Programs web site at: <http://www.gis.utdallas.edu>.

Inquiries regarding the search may be directed to the address below. OCT 06-208.

Apply: Dr. Brian J.L. Berry, Dean, School of Economic, Political and Policy Sciences. Nominations and applications should be sent to: Academic Search #397, The University of Texas at Dallas, P. O. Box 830688—AD 42, Richardson, TX 75083-0688, and should include a current curriculum vita and the names, addresses and telephone numbers of five references. Applications will be accepted until the position is filled. The University of Texas is an Equal Opportunity, Affirmative Action employer and applications from minority and female candidates are especially welcome.

***TEXAS, NACOGDOCHES 75962-3045.** The Department of Political Science, Geography, and Public Administration at Stephen F. Austin State University invites applications for

the position of **Department Chair** beginning Fall 2007. Successful candidates should possess a Ph.D. or commensurate experience in political science, public administration, geography or related field (area of specialization open), a commitment to teaching excellence, a record of significant scholarly research, demonstrated administrative skills and experience with multi-disciplinary programs. In addition, strong leadership ability and demonstrated skills in identifying external funding sources are desirable.

The successful candidate must qualify for tenure at the time of appointment.

Salary is competitive based on experience and qualifications.

Stephen F. Austin State University is a regional university that has an enrollment of over 11,500 students. SFASU is a traditional, residential university located in the beautiful piney woods of east Texas. The Department of Political Science, Geography, and Public Administration has sixteen full-time faculty who serve undergraduate majors in political science, public administration and geography and graduate students in the Master of Public Administration program.

Interested applicants should submit a current vita, a letter of application, three letters of recommendation, a statement of teaching and administrative philosophy and evidence of quality teaching and scholarship to the address below. OCT 06-225.

Apply: Dr. Ken Collier, Search Committee Chair Department of Political Science, Geography, and Public Administration P.O. Box 13045, SFA Station Stephen F. Austin State University Nacogdoches, Texas 75962-3045 kcollier@sfasu.edu

Review of candidates will begin October 2, 2006 and continue until the position is filled.

Stephen F. Austin State University is an Equal Opportunity, Affirmative Action Employer. Women and minorities are encouraged to apply.

***TEXAS, SAN MARCOS 78666-4616.** Texas State University-San Marcos. Tenure-track, **Assistant Professor**, beginning Fall 2007, with expertise involving the human dimensions of **Environmental Geography**. PhD required in Geography. Demonstrated record of excellence in teaching and research is essential. The successful candidate will play a major role within the Department's graduate and undergraduate programs in environmental geography. Teaching duties will include courses that emphasize the human dimensions of environmental geography such as environmental management, environ-

mental hazards and land management, water resources or other aspects of human interactions with natural systems. The department has 29 full-time faculty members serving BA, BS, MS, Master of Applied Geography, and PhD programs.

Review of applications will begin on November 14, 2006. Applicants are to submit a letter of application, curriculum vitae, and the names and contact information of three references. Texas State is an equal opportunity educational institution and as such does not discriminate because of race, color, creed or religion, sex, national origin, age, physical or mental handicaps, or status as a disabled or Vietnam era veteran. Texas State is committed to increasing the diversity of its faculty. Texas State University-San Marcos is a member of the Texas State University System. OCT 06-253.

Apply: Dr. Philip W. Suckling, Professor and Chair, Department of Geography. Voice: 512-245-2170. Fax: 512-245-8353. E-mail: ps33@txstate.edu.

***TEXAS, SAN MARCOS 78666-4616.** Texas State University-San Marcos. Tenure-track, **Assistant Professor**, beginning Fall 2007, with expertise in **Geographic Education**. PhD required in Geography or closely related field. Demonstrated record of excellence in teaching and research is essential. The successful candidate will play a major role within the Department's PhD and Master's programs in Geographic Education. Teaching duties will include classes in geographic education at the undergraduate and graduate levels, plus other courses in the candidate's area of interest or to serve the needs of the department. The department has 29 full-time faculty members serving BA, BS, MS, Master of Applied Geography, and PhD programs.

Review of applications will begin on November 14, 2006. Applicants are to submit a letter of application, curriculum vitae, and the names and contact information of three references. Texas State is an equal opportunity educational institution and as such does not discriminate because of race, color, creed or religion, sex, national origin, age, physical or mental handicaps, or status as a disabled or Vietnam era veteran. Texas State is committed to increasing the diversity of its faculty. Texas State University-San Marcos is a member of the Texas State University System. OCT 06-254.

Apply: Dr. Philip W. Suckling, Professor and Chair, Department of Geography. Voice: 512-245-2170. Fax: 512-245-8353. E-mail: ps33@txstate.edu.

***UTAH, PROVO 84602.** Brigham Young University, Department of Geography invites applications for a full-time (continuing faculty track) position in **any specialty** but with the ability to effectively teach introductory GIS. Candidates at **all levels** (Assistant, Associate, and Full) will be considered. The successful candidate must have a Ph.D. degree in Geography by the beginning of the appointment. The primary responsibilities of this position include (1) teaching GIS classes and other courses in area of specialty (2) engaging in research in collaboration with faculty and mentoring of undergraduate students (3) curriculum development and (4) maintaining high levels of department collegiality.

The Department of Geography houses the Geographic Information Consulting and Analysis Center and sponsors the BYU Center for Remote Sensing Image Processing Laboratory. Together, these facilities include 40 Windows Workstations, several large format plotters, digitizing tablets, spectrometers and over a terabyte of online data storage. ESRI and ERDAS software form the basis for our software environment. In-house funding to seed research has been excellent over the past several years. The Department currently has 11 faculty members, between 250 and 300 undergraduates with emphases in GIS and remote sensing, environmental studies, planning, travel and tourism geospatial intelligence and global studies.

Brigham Young University is situated at the foot of the Wasatch Front of the Rocky Mountains. It was founded in 1875 and is operated by The Church of Jesus Christ of Latter-Day Saints. BYU is the largest privately-owned, church-related institution of higher learning in the United States and offers undergraduate degrees in approximately 130 subject areas in 10 colleges. Graduate degrees are offered in 100 master's and 56 doctoral programs. More than 70 percent of BYU's undergraduates come from outside of Utah, representing all 50 states and 90 foreign countries. The Provo/Orem area is constantly growing and is second only to the Salt Lake area in total population. The state's major ski resorts are a short drive away, with spectacular national parks and monuments within a half day's drive.

Review of applicants will begin August 28, 2006 and end on November 3, 2006. Brigham Young University is an equal opportunity employer sponsored by The Church of Jesus Christ of Latter-Day Saints and requires observance of Church standards. Preference is given to members of the sponsoring Church.

Potential applicants can visit the University's web page at <http://www.byu.edu> (employment). Applicants must apply on-line <https://yjobs.byu.edu> and attach current curriculum vitae. In addition, please send letter of interest address-

ing teaching specialization, research interest and professional experience, as well as a curriculum vitae, graduate transcripts, at least three letters of recommendation, and samples of scholarly work to the address below. OCT 06-211.

Apply: Chair, Department Search Committee, Department of Geography, Brigham Young University, 690 SWKT, Provo, UT 84602.

***UTAH, SALT LAKE CITY.** Institute of Public and International Affairs (IPIA) **Senior Scholar Position - International Public Policy** <http://www.ipia.utah.edu/>.

Responsibilities: The College of Social and Behavioral Science (CSBS) at the University of Utah is launching an exciting new Institute of Public and International Affairs (IPIA) that will house numerous research, teaching, and outreach activities related to politics, public policy, governance, security, and international affairs. The University of Utah is seeking an accomplished senior scholar with expertise in international public policy who would be tenured as an associate or full professor in one of the seven departments in CSBS and hold a senior appointment in IPIA. Departments in CSBS include anthropology, economics, family and consumer studies, geography, political science, psychology, and sociology. The successful candidate will be expected to contribute to core public policy teaching, undertake research projects that will advance the IPIA's international public policy emphasis, and assist leadership in building the IPIA's regional, national and international reputation during its early, formative years.

Qualifications: We seek applications from individuals who conduct research related to international policy analysis and/or policy decision-making whose work would build on existing international and public policy strengths within the university. Preferred areas of research include but are not limited to and are not listed in priority order: (1) development, (2) the environment (3) health, (4) inequality, and (5) security. Researchers must demonstrate an international perspective in their work. We encourage applications from individuals who are excited about working in a multi-disciplinary environment. The successful candidate must have a Ph.D., be familiar with current international public policy issues, have effective interpersonal skills, and an established, nationally visible, extramurally funded research program.

Application Deadline and Start Date: Applications should be received by November 13, 2006. The search committee may consider applications received after this time until the position is filled. This is a new position with an expected starting date of approximately July 1, 2007.

Contact Person Inquiries should be made to the IPIA International Public Policy Search Committee, c/o Jenny Robinson, 801-585-3048 or robinson@coppa.utah.edu. Applications should include a letter of interest, CV, a sample of published work, and contact information for three references. Applications should be mailed to the address below. OCT 06-250.

Apply: Chair, IPIA International Public Policy Search Committee, c/o Jenny Robinson, University of Utah, 260 S Central Campus Dr Rm 214, Salt Lake City, Utah 84112.

The University of Utah is an Equal Opportunity, Affirmative Action Employer, encourages nominations and applications from women and minorities, and provides reasonable accommodation to the known disabilities of applicants and employees.

UTAH, SALT LAKE CITY 84112. **Responsibilities:** The College of Social and Behavioral Science (CSBS) at the University of Utah is launching an exciting new Institute of Public and International Affairs (IPIA) that will house numerous research, teaching, and outreach activities related to politics, public policy, governance, security, and international affairs. The University of Utah is seeking an accomplished **senior scholar with expertise in public policy** who would be tenured as an **associate or full professor** in one of the seven departments in CSBS and hold a senior appointment in IPIA. Departments in CSBS include anthropology, economics, family and consumer studies, geography, political science, psychology and sociology. The successful candidate will be expected to contribute to core public policy teaching, undertake research projects that will advance the IPIA's public policy emphasis, and assist leadership in building the IPIA's regional, national and international reputation during its early, formative years.

Qualifications: We seek applications from individuals who conduct research related to policy analysis and/or policy decision-making whose work would build on existing public policy strengths within the university. Preferred areas of research include, but are not limited to and are not listed in priority order: (1) economic and social well-being, (2) health, and (3) the environment. Researchers with an international perspective will be considered favorably. We encourage applications from individuals who are excited about working in a multi-disciplinary environment. The successful candidate must have a Ph.D., be familiar with current public policy issues, have effective interpersonal skills, and an established, nationally visible, extramurally funded research program.

Application Deadline and Start Date Applications should be received by October 16, 2006. The search committee may consider

applications received after this time until the position is filled. This is a new position with an expected starting date of approximately July 1, 2007.

Contact Person: Inquiries should be made to the IPIA Public Policy Search Committee, c/o Jolaine Randall, 801-581-6493 or jrandall@cpga.utah.edu. Applications should include a letter of interest, CV, a sample of published work, and contact information for three references. Applications should be mailed to the address below. SEP 06-200.

Apply: Professor Robert Huefner, Chair, IPIA Public Policy Search Committee, c/o Jolaine Randall, University of Utah, 260 South Central Campus Dr., Rm 214, Salt Lake City, Utah 84112.

The University of Utah is an Equal Opportunity, Affirmative Action Employer, encourages nominations and applications from women and minorities, and provides reasonable accommodation to the known disabilities of applicants and employees.

***VIRGINIA, NORFOLK 23529-0088.** The Department of Political Science and Geography at Old Dominion University invites applications for **two (2) tenure-track positions in Environmental and/or Physical Geography (one Assistant Professor, one Associate/Full Professor)**, beginning August 2007. For more information on the geography program see <http://al.odu.edu/pols-geog/academics/geog/>. Requirements include research interests in two or more of the following: environmental issues, coastal/marine systems, natural and technological hazards, and landscape change; and the application of geospatial technologies to the topics above. Teaching requirements include introductory environmental geography and two or more of the following: research methods, remote sensing, and natural and technological hazards. Also required are effective communication skills and demonstrated teaching and research ability. Ability to obtain outside funding, a regional focus on North and/or Latin America, and ability to teach applied GIS and field techniques are preferred. Successful candidates must have a Ph.D. and are expected to develop excellent instructional programs and research agendas in their areas of interest. Submit an application letter, CV, statement of teaching philosophy, evidence of teaching and research excellence, and three letters of reference to the address below. OCT 06-217.

Apply: Chair, Environmental Geographer Search Committee, Department of Political Science and Geography, Old Dominion University, Norfolk, VA 23529-0088. Screening of applicants will begin October 25, 2006 and continue until position is filled. Old Dominion University

is an equal opportunity/ affirmative action employer and requires compliance with the Immigration Reform and Control Act of 1986.

***VIRGINIA, NORFOLK 23529-0088.** The Department of Political Science and Geography at Old Dominion University invites applications for a **tenure-track position in GIScience with research interests in modeling, simulation, and visualization** beginning in August 2007. This position (Assistant/Associate rank) is part of a recent expansion of the Virginia Modeling, Analysis, and Simulation Center (VMASC), one of the world's leading university research centers for computer modeling, simulation, and visualization. The Center conducted approximately \$10.5m in funded research. ODU offers masters and doctoral degrees in Modeling and Simulation supported by faculty from all academic colleges and research faculty from VMASC. More information on VMASC can be found at <http://www.vmasc.odu.edu>. The successful candidate is expected to pursue a vigorous funded research program and have significant involvement with VMASC as well as with the interdisciplinary graduate program in modeling and simulation. The successful candidate will also contribute to a potential new interdisciplinary graduate degree in GIScience. Teaching expectations include graduate and undergraduate courses in GIS and spatial modeling, simulation, and visualization. Successful candidates must have a Ph.D. and are expected to develop excellent instructional programs and research agendas in their areas of interest.

For more information on the geography program see <http://al.odu.edu/pols-geog/academics/geog/>.

Submit an application letter, CV, statement of teaching philosophy, evidence of teaching and research excellence, and three letters of reference to the address below. OCT 06-218.

Apply: Chair, GIScience Search Committee, Department of Political Science and Geography, Old Dominion University, Norfolk, VA 23529-0088. Screening of applicants will begin October 25, 2006 and continue until position is filled. Old Dominion University is an equal opportunity/ affirmative action employer and requires compliance with the Immigration Reform and Control Act of 1986.

VIRGINIA, RICHMOND, 23173. The University of Richmond, a private, highly selective, predominantly liberal arts institution, solicits applications for a **tenure-track position (rank open) in political or economic geography**. Expectations: maintain a vigorous research program, actively engage undergraduates in substantive research, attract extramural support, and commit to highly effective teaching at all

levels of the undergraduate curriculum including contributions to either the International Studies and Environmental Studies Programs. The incorporation of advanced geospatial technologies, as well as the ability to teach an introductory GIS course, will be viewed favorably. A Ph.D. in Geography is required prior to the August 2007 start date. SEP 06-168.

Apply: Applicants should submit a curriculum vitae, separate statements of (1) teaching philosophy and (2) research interests and plans to: Dr. Michael Harrison, Chair, Geography Search, 106 Weinstein Hall, University of Richmond, Richmond, VA 23173. Junior faculty applicants should also arrange for three letters of recommendation, including at least one that addresses teaching potential, to be sent to the same address. Senior level applicants will be asked for references only if they are among the final candidates. Review of applications will commence September 15th and continue until the position is filled. The University of Richmond values diversity in its faculty, staff, and student body. In keeping with this commitment, our academic community strongly encourages applications from diverse candidates and candidates who support diversity. For more information on the geography program, resources, and teaching assignments, see <http://geography.richmond.edu/>. Our academic community is committed to increasing the diversity of the faculty and strongly encourages applications from women and minorities.

***WASHINGTON, CHENEY 99004. Assistant Professor in Middle Eastern Studies.**

Eastern Washington University invites applications for a tenure-track assistant professorship in Middle Eastern studies for a joint appointment in the departments of History and Geography-Anthropology to begin September 2007. Any time period or geographical specialization is acceptable. The successful candidate will be expected to teach survey courses in broader Middle Eastern history and cultures, upper-division and graduate courses in their areas of specialization. The ability to teach to an introductory class in World Civilization or World Regional Geography is desirable. Candidates with a Ph.D. or advanced ABDs will be considered; Ph.D. must be granted by September 2008. Salary is competitive, commensurate with qualifications and experience, in addition to generous faculty development money and an attractive benefits package. Please send an application letter, c.v., official graduate transcripts, three letters of reference, a writing sample (article or chapter length), and sample syllabi to the address below. OCT 06-219.

Apply: Dr. Michael Conlin, Search Committee Chair, Department of History, 200 Patterson

Hall, Eastern Washington University, Cheney, WA 99004. Review of applications will begin on November 1, 2006, and will continue until the position is filled.

Eastern Washington University recognizes the value of culturally diverse academic programs and course offerings. We are committed to raising awareness throughout the institution and increasing the diversity of our faculty, staff, and students. We are an equal opportunity/affirmative action employer and applications from members of historically underrepresented groups are especially encouraged. The successful candidate will be required to show proof of eligibility to work in the United States pursuant to US immigration laws.

***WISCONSIN, KENOSHA 53141-2000.**

The Department of Geography invites applications for a tenure track **Assistant Professor in GIS and Cartography** beginning August 2007. Ph.D. by start date is required. ABD will be considered for a one-year terminal appointment as a Lecturer with conversion to tenure track if Ph.D. is completed by June 2008. A strong commitment to high quality teaching, research, and service is expected.

Teaching responsibilities include introductory and advanced GIS, remote sensing, map analysis, cartography, and introductory geography. Ability to provide high quality teaching for undergraduate students is essential. Additional responsibilities include guiding the Department's GIS Certificate program and managing the Spatial Data Analysis Lab.

The University of Wisconsin-Parkside is committed to access, diversity, engagement, and academic excellence. Located in the Chicago-Milwaukee urban corridor in a beautiful park-like setting, UW-Parkside enrolls about 5,100 students. Geography has four faculty positions and offers B.A. degrees to about 50 majors.

Send letter of application, vitae, contact information for 3 references, and supporting evidence regarding qualifications (e.g. examples of scholarly work, teaching philosophy, teaching evaluations, letters of recommendation). For full consideration submit all materials by November 17, 2006. Search will continue until the position is filled. The University of Wisconsin-Parkside is an AA/EEO employer and D/M/V/W. OCT 06-239.

Apply to Richard A. Walasek, Chair, Department of Geography, 900 Wood Road. Voice 262-595-2149. Fax 262-595-2602 Email walasek@uwp.edu.

***WISCONSIN, MILWAUKEE 53201-0413.**

University of Wisconsin-Milwaukee. Tenure track **Assistant Professor** beginning Fall 2007.

PhD required. The department is searching for a highly motivated individual who is interested in contributing to our graduate program focus on **Urban Environments**. We seek a human geographer focusing on urban environments with emphasis on nature-society interactions, such as environmental justice, land use, political ecology or the political economy of nature.

The successful applicant will be expected to develop active research programs, to develop individual and collaborative extramural grant proposals, and to establish appropriate connections with the local community.

Send a letter of application clearly stating how you can contribute, plus your Curriculum vitae and the names of three referees. Applications will be reviewed beginning on 6 November 2006 and continue until a suitable candidate is found. Applicants from diverse backgrounds are strongly encouraged to apply. UWM is an affirmative action, equal opportunity employer. OCT 06-233.

Apply: Faculty Search Committee, Department of Geography, P.O. Box 413. Phone: (414) 229-4866. Fax: (414) 229-3981. E-mail: mickday@uwm.edu. Find out more about the Geography Department through our web page: <http://www.uwm.edu/Dept/Geography>.

***WYOMING, LARAMIE 82071.**

The University of Wyoming invites applications for the position of **Department Chair** with the rank of Associate or Full Professor in a full-time (eleven-month), tenured appointment, to begin in August 2007, at a competitive salary. A Ph.D. in Geography or a closely related discipline, with a specialization in one or more subfields of human geography is required. Candidates must have teaching and research records that will make them eligible for immediate tenure at the University of Wyoming, a research extensive institution. Preferred qualifications include administrative experience at the departmental level, an ongoing research program, successful teaching experience, and interdisciplinary interests. Duties include: administration of a viable and active department with many teaching and research connections to other departments, programs, and institutes at the University; one course in area of expertise per semester at either the undergraduate or graduate level; ongoing research program; undergraduate advising and supervision of masters students; ability and willingness to participate in collaborative interdisciplinary research or programs. The Department has integrated programs in human geography, geographic information sciences, physical geography, environment and natural resources, and planning. The successful candidate will have a strong inclination to work with faculty colleagues in shaping those programs.

Applicants should submit a letter of interest highlighting their qualifications and experience, a curriculum vitae, a statement of administrative philosophy, a summary of research interests, a statement of teaching qualifications, and recent teaching evaluations to the address below. OCT 06-227.

Apply: Dr. Deborah D. Paulson, Chair of Search Committee, Department of Geography, Dept. 3371, 1000 E. University Ave., Laramie, WY 82071. Please arrange to have three letters of reference sent directly to Dr. Paulson. Screening of applicants will begin on November 6, 2006.

The Department of Geography at the University of Wyoming offers excellent resources, a collegial atmosphere in which to work, and a physical setting in the heart of the Rocky Mountain region. The Denver metropolitan area is approximately 2 hours distant by car; skiing, rock climbing, hiking, wildlife watching, scenery gazing, and hunting and fishing are much closer.

The University of Wyoming is an affirmative action/equal opportunity employer.

INTERNATIONAL

CANADA, ALBERTA, CALGAR T2N 1N4.

The Department of Geography invites applications for a tenure track position as a senior **Associate or Full Professor in Transportation Geography**. The Department is seeking expertise in the following areas of geography: transportation, urban studies, GIS, planning and economic geography. The successful candidate must have a PhD in Geography and an established international reputation and research program. The successful applicant will be expected to teach in the Geography Department and to contribute in a substantial manner to the newly established Transportation Studies Major in which the Geography Department plays a leading role. In addition the applicant would be expected to contribute to all Departmental Programs at the Undergraduate and Graduate levels.

The Geography Department, with 23 faculty members, offers PhD, MSc, MA, MGIS, BSc, and BA degrees. The Department plays a leadership role in, and has strong links with, interdisciplinary undergraduate programs including the Transportation Studies Major, Urban Studies, Environmental Science and Earth Science. State-of-the-art research, teaching, computing and analytical facilities are available in the Department. The successful candidate's duties would include undergraduate and graduate teaching (Masters and PhD levels).

Applicants should provide a letter of application that includes evidence of excellence in teaching and research productivity, a curriculum vitae, student teaching evaluations and

reprints of recent publications. The position is open until filled, with applications reviewed on a continual basis beginning October 16, 2006.

Applicants should arrange to have three letters of reference directly sent to the address below. SEP 06-156-3.

Apply: Chair, Search Committee, Department of Geography, University of Calgary, 2500 University Dr. NW Calgary, AB T2N 1N4. Fax 403-282-6561.

Further information about the Department may be found at: <http://www.ucalgary.ca/geog>

Please do not respond by email to this advertisement.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. The University of Calgary respects, appreciates, and encourages diversity.

To see all University of Calgary academic positions, please visit www.ucalgary.ca/hr/career.

***CANADA, BRITISH COLUMBIA, VANCOUVER V6T 1Z2.** The Department of Geography at the University of British Columbia invites applications for a tenure-track position in Health, Environment and Social Justice, at the level of Assistant Professor. Applicants should have a PhD degree in Geography or a closely related discipline with research and teaching interests in one or more aspects of the geographies of environment, health and social justice. Candidates should have demonstrated excellence and high promise in research, and have a strong commitment to teaching. The successful candidate will be expected to develop an externally funded research program, to develop courses in her/his area of specialization, and to contribute to the Health and Society Program in the Faculty of Arts. The ability to contribute to the teaching of spatial-analytical methods would be an asset. The appointment will be effective July 1, 2007 and is subject to final budgetary approval.

Candidates should submit, in hard (not electronic) copy, a letter of application, together with a curriculum vitae, one writing sample (e.g., a recent publication or a thesis chapter), and the names, affiliations and e-mail addresses of four referees, to arrive at UBC no later than November 27, 2006. UBC hires on the basis of merit and is committed to employment equity. We encourage all qualified persons to apply; however, Canadians and permanent residents of Canada will be given priority. All enquiries and applications should be directed to the address below. OCT 06-234.

Apply: Brian Klinck, Chair, Search Committee, Department of Geography, 1984 West Mall, University of British Columbia, Vancouver, BC, V6T 1Z2, Canada.

Fax: 604-822-6150. Web address: www.geog.ubc.ca. E-mail: brian@geog.ubc.ca.

***CANADA, ONTARIO, TORONTO M3J 1P3.** York University – Faculty of Arts - The Department of Geography invites applications for a full-time tenure-track position at the **Assistant Professor** level. The Department seeks an **urban economic geographer** conducting critical research on labour and work-related issues in Canada who will complement the Department's existing strength in urban geography. Scholars working on any region of Canada are encouraged to apply. A PhD is required at the time of appointment and preference will be given to applicants with experience supervising graduate students. We seek an individual who will develop a vigorous research program in an interdisciplinary environment and can demonstrate a commitment to high-quality undergraduate and graduate teaching.

The position, to commence 1 July 2007, is subject to budgetary approval.

York University is an Affirmative Action Employer. The Affirmative Action

Program can be found on York's website at <http://www.yorku.ca/acadjobs/index.htm>, or a copy can be obtained by calling the affirmative action office at 416-736-5713.

All qualified candidates are encouraged to apply; however, Canadian citizens and Permanent Residents will be given priority.

Applicants should submit a curriculum vitae, statement of research interests and selected publications, and arrange to have three letters of reference sent to the address below. OCT 06-244.

Apply: Professor Patricia K. Wood, Chair, Department of Geography, York University, N418 Ross Building, 4700 Keele Street, Toronto, Ontario, Canada, M3J 1P3; phone 416-736-5107, fax 416-736-5988. Electronic applications will not be accepted.

Deadline: 17 November 2006.

HONG KONG. Institute of Space and Earth Information Science, The Chinese University of Hong Kong invites application for an academic position for its newly-established Institute of Space and Earth Information Science (ISEIS). The rank of the position will be at the level of **Assistant Professor/ Associate Professor/ Professor**.

Applicant must have a PhD degree in Earth Science, GeoInformation Science, Geography, Environmental Science, or related field at the time of appointment, with expertise in one or more of the following areas: satellite oceanography, ocean environmental monitoring and modeling, remote sensing of terrestrial ecosystem, land/atmosphere interaction and process. In addition, experience in advanced remote sens-

ing is essential for the position. The successful candidate is expected to develop his/her independent research program and show strong leadership. Besides research and administrative service, the appointee is expected to teach courses in GeoInformation Science and supervise post-graduate students.

Appointment will initially be made on a fixed-term contract basis for up to three years, with prospect for renewal or re-appointment on a longer-term basis thereafter subject to mutual agreement.

Salary will be highly competitive, commensurate with qualifications and experience. The University offers a comprehensive fringe benefit package including a contract-end gratuity for an appointment of two years or longer.

Please send full resume, copies of academic credentials, a publication list and/or abstracts of selected published papers, together with names, addresses and fax numbers/e-mail addresses of three referees to whom applicants' consent has been given for their providing references (unless otherwise specified), to the address below. SEP 06-166.

Apply: Director, Institute of Space and Earth Information Science, 615 Esther Lee Building, The Chinese University of Hong Kong, Shatin, New Territories, Hong Kong on or before 30 September, 2006 (Fax: (852) 2603 7470).

MEXICO, MEXICO CITY. The National University of México (UNAM).

The Institute of Geography at UNAM invites applications for the following position: **Social/Economic Geographer** with demonstrated expertise in urban-regional Geography preferably in relation to environment, at the **Associate Researcher** level. Ph.D. required at the time of appointment. A postdoctoral stay is a necessity and previous publications are required. The successful candidate is expected to engage in active research, to be effective in teaching at graduate or undergraduate level, to demonstrate professional achievement and growth through continued research and publication, and to engage in obtaining external funding for individual and collaborative research. A basic knowledge of Spanish is recommendable. Review of applications will begin immediately and continue until position is filled. Send letter of application, vitae, and name and addresses of three references. UNAM is an equal opportunity employer.

The Institute of Geography-UNAM (www.igeograf.unam.mx) is the biggest and most important center for geographical research in Mexico. Additional information and applications: Dr. Adrian G. Aguilar, Director, Institute of Geography, UNAM, Tel. +52-55-5622-4341; fax +52-55-5616-2145; e-mail: adrian@servidor.unam.mx SEP 06-209.

New Members

The AAG welcomes the following new members.

Alicia, Herrmann; Wilmington, NC	Gorelnik, Richard; San Francisco, CA	Neet, Matthew; North Augusta, SC
Amero, Jeffrey; Cambridge, MA	Green, Timothy Richmond; Knoxville, TN	Pace, Kenneth
Benitez, John; Lexington, KY	Harvey, Constance Olivia; IL	Paik, In-Ky; Seoul, Korea
Bennett, Steven; Jacksonville, NC	Haswell, Scott; Menlo Park, CA	Peloquin, Claude; Sainte-Anne-De-Sorel, PQ, Canada
Boye, Marla; Austin, TX	Hennig, Benjamin; Germany	Pierce, Karen
Buchman, Monique; Beach Park, IL	Holmes, Karen W.; North Perth, WA, Australia	Piersol, Bryan J.; Fort Myers, FL
Buckley, Lauren; CA	Jacobs, Leslie; Tampa, FL	Pinault, Jeffrey; Lake Milton, OH
Budrow, Joseph; Meriden, CT	Jim, Gilsenan; Oakland, CA	Rials, Guy Montgomery; Lafayette, LA
Butler, David J.; Cahir, Co. Tipperary, Ireland	Kamusoko, Courage; Tsukuba, Japan	Rice, Matthew; The Woodlands, TX
Chhatre, Ashwini	Kates, Katharine; Windsor, CA	Riley, Michael; Portland, ME
Clark, John; Cambridge, MA	Kennedy, Ward; Indianapolis, IN	Riner, George; Concord, MA
Clark, Redmond; Cary, IL	Klubnikin, Kheryn; Reston, VA	Rumbaugh, Andrew; Jonesborough, TN
Cureton, Edna; APO, AE	Knapp, Jonathan	Saffery, Lynn Adam; Vancouver, BC, Canada
Dan, Lynch	Koeplinger, Natalie; Greensboro, NC	Schlee, John; Gaithersburg, MD
Daugherty, Max; Brooklyn, NY	Kramer, Jan-Philipp; Kiel, Germany	Sellner, Michael; Manassas, VA
Davinroy, Thomas C.; Louisville, CO	Leverington, David; Lubbock, TX	Sexton, James; Knoxville, TN
Dean, David; Maumee, OH	Maasdam, Christine; Toluca Lake, CA	Shanafelt, Samuel Henry; Bryan, TX
Dodge, Rebecca L; Carrollton, GA	Masri, Ghada; Davis, CA	Switzer, Douglas; Findlay, OH
Duncan, Eve; Herndon, VA	Maxwell, Jason; Tallahassee, FL	Taal, Jessica; Berkeley, CA
Dyer, Sarah; Oxford, UK	McLaughlin, Ian; San Marcos, TX	Tamasy, Christine; Auckland, New Zealand
Ellman, Joe; Brown Deer, WI	Meng, Qingmin; Athens, GA	Wennemar, Kenneth; Broomfield, CO
Emery, Brianne; Salt Lake City, UT	Meushaw, Carolyn; Columbia, MD	Wilson, Andrew; Sylvania, OH
Eskridge, Anna; Greenville, NC	Morgan, Derek; Tallahassee, FL	Zamanian, Ramin; Baton Rouge, LA
Evers, Jean; Honolulu, HI	Morris, Gregory; Summit, IL	Zhou, Guoqing; Norfolk, VA
Fenwick, Michael; Omaha, NE	Murphy, Stacey; Oakland, CA	
Gandy, Williams; NC	Mutch, Erin; Sonora, CA	

Quarter Century

The October 1981 issue of the AAG *Newsletter* reported that **Norman J.W. Thrower**, professor of geography at UCLA, was appointed Director of the university's William Andrews Clark Memorial Library, a position to be held concurrently with his appointment in the Geography Department.... **social scientists** scored major victories in Congress in July of 1981 during the consideration of the National Science Foundation appropriation bills...**Geoffrey J. Martin**, professor of geography at Southern Con-

necticut State College (SCSC), presented "Geopolitics and Oil Energy with Special Reference to the Iran War" in February of 1981 to the Energy & Economic Review of Chase Manhattan Bank in New York City. In May he was named Faculty Scholar, 1981, at SCSC....the total number of geographers in Maynard Weston Dow's **Geographers on Film** project reached 100...**Harm de Blij** was appointed Presidential Professor at the Colorado School of Mines in Golden, Colorado for the 1981-82 academic year...**John E. Adams**,

professor of geography, University of Minnesota, Duluth, received an NSF grant of \$68,550 from the Division of Behavioral and Neural Sciences for a research project on "Attitudes Determining Food Shortages: A Study of Fish Consumption Habits in the Caribbean"...**Robert W. Morrill**, assistant professor of geography at Virginia Polytechnic Institute and State University, was appointed a Danforth Associate for a six-year term.

2006

OCTOBER

3-5. Pacific Geospatial Conference 2006. Honolulu, HI. www.higicc.org/pacgeo2006/index.html.

5-7. AAG Joint Meeting of the Great Plains-Rocky Mountain Division and the West Lakes Division. Lincoln, NE. <http://calmit.unl.edu/aag/>.

5-7. International Indian Geography Congress on Development, Environment and Geoinformatics. Hyderabad, India. Contact Kalpana Markandey at kalpanamarkandey@yahoo.com.

5-8. NCGE Annual Meeting. Lake Tahoe, NV. Contact Allison L. Newton at anewton@jsucc.jsu.edu.

11-14. Applied Geography Conference. Tampa, FL. Contact Montz, Burrell at bmontz@binghamton.edu.

13-14. AAG Middle States Division Meeting. New Brunswick, NJ. www.departments.bloomu.edu/geo/msd.

13-15. AAG New England-St. Lawrence Valley Division Meeting. Burlington, VT. Contact Lesley-Ann Dupigny-Giroux at ldupigny@uvm.edu.

14-18. ESRI Southwest User Group Conference. Flagstaff, AZ. www.swuggis.org/.

18-21. NACIS Annual Meeting. Madison, WI. www.nacis.org.

19-21. PlaceMatters 2006. Denver, CO. www.placematters.org.

20-21. AAG East Lakes Division Meeting. Toledo, OH. Contact Patrick Lawrence at patrick.lawrence@utoledo.edu.

20-22. 37th International Binghamton Geomorphology Symposium. Columbia, SC.

26-28. AAG Southwest Division Meeting. Norman, OK. www.swaag.net.

26-28. The Euro-Arab Encounter: Geographical Linkages and Cross-Cultural Research Agendas. Beirut, Lebanon. <http://users.fmg.uva.nl/vmamadouh/awg>.

NOVEMBER

1-4. Race, Ethnicity, and Place Conference. San Marcos, TX. <http://rep-conference.binghamton.edu>.

6-10. Measuring the Earth II: Latest Developments with Digital Surface Modeling and Automated Feature Extraction. San Antonio, TX. www.mapps.org.

16-18. 53rd Annual North American Meetings of the Regional Science Association International. Toronto, Ontario, Canada. www.narsc.org.

19-21. AAG Joint Meeting of the Southeast Division and the Middle Atlantic Division. Morgantown, WV. www.geography.vt.edu/sedaag/.

25-27. International Conference on Natural Hazards and Disasters. Anantapur, Andhra Pradesh, India. Contact ssubbiah@vsnl.com.

28-30. Southeast Asian Geography Association Conference 2006. Singapore. <http://www.seaga.co.nr/>.

2007

MARCH

29-30. 38th Annual South Dakota State Geography Convention. Brookings, SD. www3.sdstate.edu/Academics/CollegeofArtsAndScience/Geography/Index.cfm.

29-31. Southern Regional Science Association Meeting. Charleston, SC. www.regionalscience.org/srsa/conferencesub.htm.

APRIL

17-21. AAG Annual Meeting. San Francisco, CA. www.aag.org.

MAY

21-26. Geography in the Americas: Collaboration on Research and Education. La Serena, Chile. www.aag.org.

29-June 2. Canadian Association of Geographers Annual Meeting. Saskatoon, Saskatchewan, Canada. www.cag-acg.ca/en/.

31-June 3. Conference of Latin Americanist Geographers 2007. Colorado Springs, CO. Contact Eric Perramond (perramond@yahoo.com) or John Harner (jharner@uccs.edu).

JUNE

18-21. Seventh International Conference on Military Geology and Geography. Québec City, Québec, Canada. <http://icmagg2007.geographic.ulaval.ca/>.

22-24. The Monticello Symposium on Geography and the Humanities. Charlottesville, VA. www.aag.org/humanities.

25-28. Second Global Conference on Economic Geography. Beijing, China. <http://courses.nus.edu.sg/course/geoywc/conference/econgeog.html>.

JULY

8-13. 22nd International Conference on the History of Cartography. Berne, Switzerland. www.ichc2007.ch.

18-21. Sixth Quadrennial Conference of British, Canadian, and American Rural Geographers. Spokane, WA. www.ewu.edu/ruralgeography.

AUGUST

18-23. Ninth Asian Urbanization Conference. Chun-cheon City, Republic of Korea. www.ship.edu/~aura.

SEPTEMBER

21-22. AAG Great Plains-Rocky Mountain Division Meeting. University of Denver.

2008

15-20. April. AAG Annual Meeting. Boston, MA. www.aag.org.

2009

22-26. March. AAG Annual Meeting. Las Vegas, NV. www.aag.org.

Retired Life Membership

Are you a geographer who is currently retired or preparing to retire, but who wants to remain connected with your colleagues and active in the discipline without dealing with annual membership renewal? If so, please consider the AAG's Retired Life Membership. This membership category is available to retired individuals and to

those who will be retiring within the year. For a dues payment of \$1,230, AAG membership will remain active for the life of the member, with no further dues payments to consider.

A Retired Life Membership makes a wonderful gift from geography departments or individual colleagues to a retiring colleague. If you are

interested in such a membership for yourself or for someone else, please contact Robert Andelman at (202) 234-1450 or randelman@aag.org, or simply print and send in the AAG membership form posted online at www.aag.org/Membership/form.pdf. Be sure to select "Retired Life" in the AAG Annual Dues section when you fill it out.

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