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Geographies of Care and Responsibility

Vicky Lawson's Past President's Address at the 2006 AAG Annual Meeting in Chicago will pose two questions: What does a focus on care-work bring to geography? And what does geography bring to critical considerations of care-work? "Care-work" refers to the diverse activities that sustain people or bring them pleasure including childrearing, domestic work, care-giving for the sick or elderly, political activism, education, and consumption (Mitchell, Marston, and Katz 2004). Lawson will explore the ways in which considerations of care (in a range of spheres and forms) poses crucial questions that expand the scope of our research, teaching, and service agendas. This focus on care leads to questions of responsibility—who are our communities and what are our ethics and responsibilities in our scholarship, practice, and politics? Lawson will examine the sites and places in which we



Lawson

practice care and towards which we articulate responsibility.

By taking seriously the profound connections between the many roles we play in our lives, we can build stronger institutions, healthier departments, and even better theories and courses. We have a great deal to gain from shifting away from thinking of a rigid separation of public and private spheres and instead viewing the many elements of our lives as inseparable, as all contributing

to our creative work in geography, and even more importantly, as fundamental parts of society's work. Lawson will connect geographies of care to our responsibilities as scholars and members of multiple communities across the globe. We can strengthen geography, make whole lives possible, and contribute to social and environmental justice work by making care-work integral to the way we conduct our discipline. ■

Chicago and Its Inland Sea

World-class cities have landmarks of iconic stature: think of the city and the image leaps to mind. Chicago has many such images, but few surpass its magnificent frontage on Lake Michigan—a complex of parks, promontories, boulevards, and museums stretching for miles along the shoreline. The 2006 Annual Meeting of the AAG is being held in Chicago, March 7-11, and we hope that during your stay you will set aside time to explore these distinctive geographical features of the region.

Chicago's lakefront has always had a major influence upon the city's fortunes, and

it has created problems as well as amenities. Early residents faced several crucial difficulties. One was the need to stabilize the shoreline and put in place facilities capable of handling high levels of commercial traffic. Another was to develop an adequate and pure supply of water. In the face of increasing regional population levels, a third problem has recently grown in importance: that is the question of how to provide sustainable water supplies and management, not just for metropolitan and local users, but for regional needs as well.

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Lake Michigan, Chicago's "inland sea" is key to the city's geographic identity.

PHOTO: JOHN SHROEDER

AAG's Hurricane Emergency Clearinghouse, page 9.

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Building the AAG's Capacity to Respond Quickly

Within hours of Hurricane Katrina's devastation of New Orleans, many in the AAG realized that our response needed to go beyond the academic. Although the AAG is neither a government agency nor a disaster relief organization, it was clear that we needed to find ways to help immediately—ways that went beyond the analysis and critique which would surely come later. With little past history to guide us, the AAG staff began by organizing an online clearinghouse. We wanted to create a means by which departments and individuals in the affected regions could send requests for needed items or services, and by which they could make contact with colleagues interested in helping. The

AAG also established a special fund which will go toward the rebuilding of departments and assisting others in the hardest-hit areas. Very shortly, expressions of support, both moral and tangible, came pouring in from across the U.S. as well as from other countries, including France and Mexico.

Now that we are out of the initial emergency phase of this effort, we have shifted the AAG Hurricane Katrina Clearinghouse from an email notification system to a query access system. I would like to thank all the AAG members who responded, and also particularly the AAG staff, many of whom worked straight through their Labor Day weekend to create, maintain, and staff the online clearinghouse and communication network during the critical first days of chaos after the storm. Many others also helped us to get the word out about the AAG Hurricane Katrina Clearinghouse. *The Chronicle of Higher Education*, UCGIS, ESRI, AAAS, ACLS, and many others picked up the news of our early effort and made it known far and wide. As a result, similar clearinghouses soon began to appear within other scholarly associations and from other disciplines, often with programs that

seemed inspired by the AAG's early actions.

It also has been wonderful to see the high profile of geography during the past few weeks. Many geographers, including Michael Crutcher, Craig Colten, Susan Cutter, Bob Kates, Talbot Brooks, and Stephen Leatherman, to name only a few, published articles or were interviewed in media ranging from the *New York Times* to NBC News. The AAG also has been contacted by the House Science Committee, which is planning to hold hearings on social science issues related to the Katrina disaster. We have been asked to provide testimony on topics related to the hurricane's destruction and the governmental response to it.

Appreciation from those most affected by the disaster and from the AAG's members more broadly for these efforts has been very heartening. One member wrote, "Thank you for your incredible efforts in swiftly structuring the AAG response to the Gulf Coast tragedy. Many of us want to help and the AAG clearinghouse/fund provides a focused way to do so." Another member from the directly affected region added, "I have never been prouder to be a geographer."

Critical to enabling this rapid response had been the behind-the-scenes effort of the past few years to build and strengthen the AAG's internal infrastructure and staffing capacity, including the organization's computer systems, Internet resources, management systems, staff development and training, and its financial foundation. Without this strong internal infrastructure in place, it would have been impossible to respond to this emergency so quickly. This same internal capacity now enables the AAG to respond not only to disasters, but also to opportunities or threats to the discipline of geography, effectively and on short notice.



Richardson

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Geographers Interacting with Colleagues from Other Disciplines

One of the recommendations in the 1997 National Research Council Report, *Rediscovering Geography*, was to place a high priority on increasing professional interaction between geographers and colleagues in other sciences. Although our numbers are growing, geography remains a relatively small and diverse discipline, but with much to contribute once our expertise and skills are made known to those outside geography. Many of us were reminded of this when the August 12, 2005 issue of *Science* was released with a feature section on "Dealing with Disasters." Unfortunately, the seminal work by geographers was notably absent in the issue...perhaps not surprising since geographers do not participate in meetings of the American Association for the Advancement of Science (AAAS) in large numbers. While the socio-economic, psychological, political, and engineering dimensions of disasters are undeniably important, geographic perspectives are also paramount to understanding risk and minimizing the loss of life and property. Those outside of geography need to be reminded of this constantly, and events surrounding Hurricane Katrina provide only the latest example. Thus, one means by which geographers can advertise our potential contributions to solving problems is by increasing our visibility in cross-disciplinary organizations, most especially by participating in the AAAS. Check the *AAG Guide to Geography Programs* for a listing of AAG appointed representatives to various AAAS sections: Jack Shroder was recently elected Chair of Section E-Geology and Geography; Roger Kasperson is Chair of Section K-Social, Economic and Political Science. Kent Mathewson, Katherine Klink, and Ellen Mosley-Thompson serve as AAG representatives to Section H-Anthropology, Section Q-Education, and Section W-Atmospheric Sciences, respectively. As a related way of interacting,

we should invite non-geographers to participate in the AAG Annual Meeting. The AAG provides Enrichment Funds for this express purpose (see the AAG annual meeting website for details).

A second means by which geographers can interact with other disciplines is by supporting the recommendations in U.S. Geological Survey's Circular 1281, *Geography for a Changing World: A Science Strategy for the Geographic Research of the USGS, 2005-2015*. This important planning document was available at the USGS booth at our last annual meeting in Denver and deserves reading by all in our discipline. Circular 1281 presents a science strategy for the geography discipline. Nine general goals and fifty-six specific strategic actions focus on describing, explaining, and predicting the consequences of land change for coupled human-environment systems. Geographers should work to ensure that the next director of the USGS embraces the goals and strategic actions in Circular 1281.

A third means by which geographers can interact with scientists in other disciplines is for geographers to pursue interdisciplinary funding opportunities from the National Science Foundation (NSF), the Environmental Protection Agency (EPA), the National Institutes of Health (NIH), and other agencies that change the infrastructure of science. Highly visible examples of this are the five-year, multi-million dollar "Decision Making Under Uncertainty" Center awards to research teams led by geographers in senior positions at Arizona State University, University of Colorado-Boulder, and the Rand Corporation (see the December 2004 *AAG Newsletter* for details). Multiple-year NSF IGERT (Inter-

grated Graduate Education and Research Training) grants train the next generation of graduate students for interdisciplinary work. Just one example that involves geographers is the IGERT Program in Ecosystem Informatics at Oregon State University, featuring the contributions of geographers Dawn Wright and Julia Jones. The goal of the program is to promote a team-based approach to further ecosystem and natural resource management by fostering collaboration among ecosystem scientists, computer scientists, and mathematicians. Faculty participate from BioEngineering, Computer Science, Fisheries and Wildlife, Forest Science, Geosciences, Mathematics, and Zoology. The NSF Research Experience for Undergraduates (REU) site grants are designed to encourage undergraduate geography students to undertake multi-department research opportunities with a coherent intellectual theme.

A fourth means involves collaborating with faculty from other disciplines on individual research projects. I will list some examples from my own experience in this regard: 1) working with fisheries biologists to understand geomorphic controls on the abundance of freshwater fish and mussels; 2) working with planetary scientists to understand landforms on Mars; 3) working with botanists and landscape ecologists to understand vegetation patterns on floodplains as a response to floods and stream channel instability in France, Brazil, and the USA; 4) working with sociologists, attorneys, ecologists, climatologists, soil scientists, and geologists to formulate a surface coal mine reclamation plan; and 5) working with geologists to explore



Marston

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Geographers Interacting with Colleagues from page 3

for minerals and petroleum, detect leachate from municipal landfills, determine the cause of floods and mass movement in Nepal, and understand long-term development of Himalayan mountain landscapes.

A fifth means by which geographers can ply their trade among scientists from other disciplines is through participation in government panels. For instance, government agencies at various levels occasionally create conflict-resolution panels, one form of which is an independent scientific review panel (ISRP). In northwest California, I have served on two such multidisciplinary panels that were seeking common ground between timber harvest companies, commercial and recreation fishermen, and state and federal regulatory agencies that address water quality and fisheries. Geographers are well-suited to participating in ISRPs because of our training and expertise in integration

and synthesis. We can help formulate scientific questions in a policy relevant form. We recognize the spatial dependencies of processes and linkages between stakeholders. We can clarify the results and conflicting opinions among scientists, and even the most positivist-oriented scientists recognize that science is a process rather than an outcome or product ... an essential component of adaptive management of natural resources. As just one more example of government panels, the National Research Council (NRC) will convene committees on single issues of national importance that often require geographic expertise. A recent example is the superb NRC published report by the Committee on Endangered and Threatened Species in the Platte River Basin involving geographers Will Graf and Lisa Harrington.

A sixth means, available to all academics, is to team-teach courses with faculty

from other departments and colleges, and to participate in multi-disciplinary centers on campus. Geographers at Kansas State University participate in the Institute for Civic Discourse and Democracy, and most states have a water resources research center ... just to cite two examples. Most of the issues of the day are too complex for any one discipline, including geography, to tackle alone: global environmental change, immigration, globalization, natural and technological disasters, ethnic strife, international conflict, unemployment, social inequality, soil erosion, pollution ... just to name a few. Our discipline is enriched and we as individuals are enriched by collaborating with practitioners from other disciplines in research, teaching, business, and government affairs. ■

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Annual Meeting Presidential Plenary Session

A special Presidential Plenary Session entitled, "Geography: the Original Integrated Environmental Science" will be held at the 2006 AAG Annual Meeting. The session, arranged by AAG President Richard Marston, will feature speakers Jean-Paul Bravard (l'Université Lumière-Lyon), Carol Harden (University of Tennessee), B.L. Turner II (Clark University), and Stephen Walsh (University of North Carolina).

The session will present discussions of geography as the original place-based, environmental science that integrates knowledge, theory, and techniques from the biophysical and human realms. Geographers possess an advantage in understanding human-environment



Bravard



Turner

relations because we recognize that processes are place-dependent and operate at multiple/interacting scales. Moreover, we seek integration of spatial and temporal analyses using modern qualitative and quantitative tools. Four outstanding scholars will present examples and general observations on how they use concepts from both human and physical geography to solve complex environmental problems.

The 2006 AAG Annual Meeting will be held in Chicago in the elegant Palmer House Hilton Hotel located in the heart of the Chicago. Abstracts may be submitted for



Harden



Walsh

the meeting until October 13 at www.aag.org/annualmeeting. A host of special activities are planned for the meeting, including the AAG Banquet featuring Victoria Lawson's Past President's Address and many field trips exploring Chicago's rich cultural and physical geography in addition to over 3,000 scholarly and research presentations. For more information on the meeting, visit the website noted above. We look forward to seeing you there! ■

Nora Volkow to Keynote NIDA/AAG Symposium

The AAG is pleased to announce that Dr. Nora D. Volkow will present the keynote address at the NIDA/AAG Symposium on Geography and Drug Addiction. The symposium, on March 8, 2006, is being held in conjunction with the 2006 Annual Meeting of the AAG in Chicago and will allow medical researchers, epidemiologists, geographers, neuroscientists, geneticists, and others to explore the geographical dimensions of drug addiction.

Nora D. Volkow, MD, became Director of the National Institute on Drug Abuse (NIDA) in May, 2003. A leader in drug addiction research, she is the first woman to serve as NIDA's director since the founding of the institute.

Volkow came to NIDA from Brookhaven National Laboratory (BNL), where she held concurrent positions including Associate Director for Life

Sciences, Director of Nuclear Medicine, and Director of the NIDA-Department of Energy Regional Neuroimaging Center. In addition, Volkow was a professor in the Department of Psychiatry and Associate Dean of the medical school at the State University of New York (SUNY)-Stony Brook.

Volkow is a recognized expert on the brain's dopamine system, with her research focusing on the brains of addicted, obese, and aging individuals. She was the first to use imaging to investigate neurochemical changes that occur during drug addiction. Her primary focus was on mechanisms underlying the reinforcing, addictive, and toxic properties of drugs of abuse in the human brain. She investigated the neurochemical mechanisms that influence the

way individuals respond to drugs of abuse and the potential link to vulnerability to drug abuse, alcoholism, or other impulse behaviors.



Volkow

Volkow received her BA from Modern American School, Mexico City, Mexico, her MD from the National University of Mexico, Mexico City, and her postdoctoral training in psychiatry at New York University. In addition to BNL and SUNY-Stony Brook, she has worked at the University of Texas Medical School and Sainte Anne Psychiatric Hospital in Paris, France.

For more information about the NIDA/AAG Symposium visit www.aag.org/nida-aag/research/. A call for papers for this symposium appears on page 12 of this issue. ■

Atlas of American Poverty

An *Atlas of Poverty in America: One Nation, Pulling Apart, 1960-2003* was recently published by Amy Glasmeier, professor of geography and regional planning at Pennsylvania State University. The atlas is one of numerous projects developed under the One Nation project, a research program aimed at providing a new understanding of the

causes and meaning of enduring economic distress in the United States. A central theme of the atlas is the enduring character of poverty in America; it conveys the message that America's poor are people who work or who are dependents of people who work and face limited opportunity, often due to living in places that are seriously disadvantaged because

of geography or history or both. An expanded version of the atlas will be published by Routledge Press in fall of 2005. For a copy of this book, contact Routledge at www.routledge.com. The book, ISBN 0415-953-359, will be available as of November 11. ■

Corrections

The article entitled, "Online Global Geography Modules Enhance Undergraduate Learning" that appeared on page eleven of the September 2005 AAG Newsletter incorrectly listed Phil Gersmehl as article co-author. The actual

co-author is Phil Klein of the University of Northern Colorado.

The article introducing new AAG employee Beth Schlemper, on page 10 of the September 2005 AAG Newsletter, incorrectly listed her degrees earned.

Dr. Schlemper earned a bachelor's in social studies education and a master's in geography both at the University of Missouri-Columbia and a PhD in geography at University of Wisconsin, Madison. ■

Chicago and its Inland Sea from page 1

Chicago lies within the Great Lakes watershed. The Chicago River drained originally into Lake Michigan, but only a few miles and a low rise separate it from the Des Plaines, which is tributary to the Mississippi. The



strategic importance of this location, and the potential it held for canalization, were noted as far back as 1673 when Father Marquette and Louis Jolliet passed through the region. The city's environment, though, was not a

healthy one. The site which would become Chicago was marked by low, shifting sand dunes interspersed with extensive marshy swales (see figure). The river was a low-gradient stream, often kept from entering the lake by sediments deposited at its mouth. Still, the portage to the Mississippi began here. For that reason, Fort Dearborn was constructed on the river's south bank in 1803. Those attending the AAG meeting can find an outline of the fort embedded in pavement at the intersection of Michigan Avenue and Wacker Drive, just a few blocks from the meeting headquarters hotel.

The river originally entered the lake in the vicinity of Monroe Street, where the Art Institute now stands. Lake freighters, in an enterprise fraught with hazard, anchored over a half-mile offshore while goods were transferred to smaller vessels capable of navigating the sandbars obstructing the river's mouth. In 1834, efforts to remove those obstacles began, and the river was re-routed into its present channel. Within a year, vessels of 100-ton capacities were entering the new harbor, and Chicago became the leading port on the frontier. These investments rapidly came to be protected by a system of piers, breakwaters, landfills, and revetments.

Railroads also impacted the lakefront. The Illinois Central completed its route

through Illinois by 1856, but needed a downtown terminal and had purchased the area south of Fort Dearborn for that purpose. The state had previously designated much of that area to remain "forever open, clear, and free," and the shoreline south of today's Loop had already been built up. The railroad's solution was to enter Chicago on a trestle built out in the lake. That trestle ran from

22nd Street to the point occupied by Millennium Park today. The area between Michigan Avenue and the trestle was a lagoon, "open and free" views of the lake notwithstanding. After the Great Chicago Fire devastated the city in 1871, practical city fathers simply dumped the conflagration's debris into that lagoon. Many visitors to Chicago are surprised to learn that the Art Institute and, indeed, much of Grant Park is built on material left over from that fire.

From the 1890's through the 1930's, additional landfills expanded the lakefront area, and on these Chicago's world-famous museums, Soldier Field, McCormick Place, and Northerly Island were all built. To the north, much of Lincoln Park is also built on fill. Only that portion of the city north of Hollywood Avenue follows the original shoreline. These landfills were vulnerable to wave erosion. To protect the lake shore, a system of revetments was installed. Many of these revetments are now fifty to one hundred years old, and in some areas the shoreline has deteriorated badly. Consequently, the city, the Chicago Park District, and the U.S. Army Corps of Engineers are currently involved in the Chicago Shoreline Project, a \$300 million dollar program designed to re-build these protective structures

(www.lrc.usace.army.mil/projects.htm). The project was scheduled to be completed by 2005, but disputes over design standards and accessibility to the lakefront have slowed progress and put federal funds at risk.

Chicago also needed to protect its water supply. During much of the early 19th century this problem was largely ignored; water was collected in barrels at the shoreline or even from the lower course of the Chicago River. It was known though, that water was "purer" the farther off-shore one went to get it. By 1840, a water intake was located 150 feet out into the lake; in 1854 an attempt was made to extend that intake to 600 feet. Pressure had to be equalized in the early mains, so the city built the historic Water Tower and its neighboring pumping station in 1869. Both of these landmarks survived the 1871 fire and are major tourist attractions today.

Since the sewage-laden river flowed into the lake, near-shore supplies of water were easily polluted. Cholera, smallpox, dysentery, and typhoid were perennial scourges. An 1854 cholera epidemic, for example, caused the deaths of 5.5 percent of the city's population. In 1861, an astonishing solution was devised by an engineer named Ellis Chesbrough. Tunnels were dug by hand through the clays underlying the lake. Thirty feet beneath the lake bottom, five feet in diameter, and two miles long, the first tunnel was completed in 1867. An intake crib was constructed at its terminus, and the tunnel and crib were joined. This crib, enlarged and strengthened, is one of four visible in the lake today.

Even these efforts were not enough, as intermittent flooding, increasing population, and the growth of animal-rendering industries combined to exceed the city's sewage treatment capacities. By 1879, disease organisms were again commonly found in lake waters around the intake cribs. A permanent solution

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AAG Washington Monitor

Senate Finally Takes Up Higher Ed Act

In recent weeks, Senate watchers have been captivated by the confirmation hearings for Chief Justice-nominee John Roberts. Nonetheless, the Senate has succeeded in also confronting other pending business and on September 8, the Health, Education, Labor, and Pensions (HELP) Committee finally held a mark-up on the reauthorization of the Higher Education Act (HEA). The House Education and Workforce Committee passed a separate version of the legislation (H.R. 609) in July following a contentious three days of debate and votes.

By contrast, the Senate bill (S. 1614) was co-sponsored by HELP Chairman Michael Enzi (R-WY) and Ranking Member Ted Kennedy (D-MA) and passed the committee by a vote of 20-0.

While Kennedy did say that panel Democrats were unhappy with a few provisions in the bill which they would try to address on the Senate floor, it was clear at the quick mark-up session that the numerous hours of bipartisan work that went into crafting the legislation had paid dividends. Among the bill's key provisions:

- The income cut-off for the Pell Grant program would increase from \$15,000 to \$20,000. The maximum award would also increase to \$6,300 over a five-year period.
- The fixed interest rate for consolidated student loans would remain at 6.8 percent, but the fixed rate on loans to parents would increase from 7.9 percent to 8.5 percent.
- A fellowship program would be created to encourage women and minorities to pursue careers in the academy.

- Changes would be made to simplify student financial aid processes.

It remains unclear when either house of Congress will vote on the committee bills. Following the votes, the conference process—which reconciles differences in the House and Senate bills—could prove quite difficult and acrimonious.

Prospects for the geography education bill (S. 1376) are still uncertain—it remains unclear whether the legislation will be attached to the HEA. We at the AAG are in close contact with the National Geographic Society and others supporting the bill. (For more on S. 1376, please see last month's AAG Washington Monitor). ■

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Chicago and its Inland Sea from page 6

was not developed until, on January 2, 1900, engineers finally reversed the flow of the Chicago River. Today, locks at the entrance to Lake Michigan, and on the Des Plaines, twenty-eight miles away, control diversion rates and prevent floodwaters from "backing" into the lake.

Chicago continues working to protect its water supply with the "Deep Tunnel Project," formally known as TARP (the Tunnel and Reservoir Plan). Chicago shares a combined sewer system with over fifty surrounding suburbs. During extreme precipitation events, storm run-off from these sewers added to normal sewage loads may total five billion gallons a day, exceeding the treatment system's capacity by 250 percent. TARP consists of 109 miles of underground reservoirs designed to intercept and store this run-off, and release it in a controlled fashion after rain has ended. The TARP project is ongoing, and the Local Arrangements Committee hopes to showcase this incredible facility.

Finally, water levels in the Great Lakes are now near historic lows and proposals to divert water are increasing rapidly.

Over 118 suburban communities, for example, get their water directly from the Chicago water system, and southern Lake Michigan communities are estimated to see a 21 percent increase in population by the year 2030. Chicago's western neighbor, Kane County, by itself expects to see water use increase from 67 million gallons per day (mgd) to 120 mgd over the next twenty-five years. These trends are of critical importance to the entire metropolitan area, and for such reasons Chicago will continue to participate in regional water-planning programs such as the Southern Lake Michigan Regional Water Consortium (www.nipc.org/environment/slmrWSC/overview.htm).

To a true Chicagoan however, the lake is more than the sum of its engineering facilities and water management agreements. Those who grew up here often remember mornings where one could "feel" the lake from miles away. Even if one comes to the city later in life, in one way or another, the lake can call, and you develop—sometimes without being aware of it—an awareness, a

relationship. You orient yourself in regard to the lake; it burrows beneath the level of your conscious mind.

Ben Hecht, the playwright and reporter, spent many years working for the *Chicago Daily News*. In one of his columns, he wrote:

"It is when one leaves the city and goes to visit in another place where there is no lake that the lake grows alive One becomes thirsty for it and dreams of it. One remembers it then as something that was almost an essential part of life, like a third dimension. In some ways one associates one's day dreams with the lake and falls into thinking that there is something unfinished, sterile, about living with no lake at one's elbow."

The AAG invites you to explore this "third dimension," and learn of the myriad ways in which Chicago and its inland sea have influenced each other. ■

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Hurricane Katrina: Hypergeographic Change

In the last few days, we have witnessed what my colleague Rich Campanella referred to as hypergeographic change in south Louisiana. This is a most apt term when we begin to contemplate how Katrina has prompted social, economic, and physical change at the speed of a hurricane. As the storm began to veer toward the Louisiana-Mississippi coast, a series of events began unfolding and the eddies of Katrina's winds will continue to stir the residents of this region for years to come.

Geographers were visible in several important roles in the preparation and response to this massive storm. Decades ago, geographers published some of the earliest reports about coastal land loss in the region and they have continued to play a prominent role in our assessment of that problem. Erosion and subsidence in particular have left the Louisiana delta frayed and unable to provide the protective barrier once offered by the expansive coastal wetlands.

As Hurricane Katrina bore down on Louisiana, climatologists were part of the team that observed the storm's changing course and advised public officials to begin the evacuation of New Orleans and other low-lying areas. University of New Orleans (UNO) geographers have helped plan evacuations. And in the post-storm event geographers have been working with the Federal Emergency Management Agency and the Red Cross to deal with displaced evacuees, emergency response in the impacted areas, and the public health situation, along with environmental justice and historic preservation issues.

The task ahead is to map the impacts and to fathom the hypergeographic change. Baton Rouge, overnight, became the state's largest city as the New Orleans metropolitan area likely dropped from over a million to well below 200,000 residents. This rapid population shift is overwhelming emergency facilities, and also the general urban infrastructure of places like Baton Rouge. New Orleans realtors are buying entire apartment

complexes, businesses are bidding up the price of commercial space, and agents are scurrying around town to post "sold" signs. Entire government offices are relocating to space where they can find it—whether in Baton Rouge, Houma, or Lafayette. Air transport services are flying out of Baton Rouge Metropolitan airport rather than Louis Armstrong New Orleans International airport and suddenly Baton Rouge has non-stop service to New York City.

Distribution centers associated with the massive port are relocating and refineries outside the impacted areas are working extra shifts. Universities near New Orleans extended registration services to permit college students to continue their fall studies. K-12 schools throughout the region are opening their classrooms to displaced students. St. Bernard Parish (located east of and adjacent to New Orleans) has cancelled school for the entire year! We have only begun to gauge the impacts on the region's social and economic geography.

Katrina has unleashed a massive migration. Most evacuees have sought housing within a few hundred miles of the city to ride out the storm. But as it became clear that weeks would be necessary to dry the city and rehabilitate its infrastructure, many commenced a secondary migration to stay with family in distant locations. All this happened within a week. What will be the long-term impacts of both the short-distance and long-distance relocations?

In terms of the physical geography, we have yet to assess the impacts of the storm on the coastal wetlands and fisheries. Reports are that the Chandeleur Islands, a valuable arc of barrier islands to the east of New Orleans, are no more. The frayed wetlands of St. Bernard Parish are holding on by a thread. How will the release of millions of gallons of contaminated water impact Lake Pontchartrain and its fisheries?

As the conversation turns to rebuilding, the media pounded out the incorrect notion that New Orleans was below sea

level, but this is true for only a portion of the city. And very shallow water submerged vast tracts of real estate. This type of flooding will have little impact on the raised houses. The notion of closing the city is as misinformed as the argument to rebuild in exactly the same way. Geographers have provided vital leadership at the national level to turn flood protection planning toward land use approaches, rather than relying strictly on structural means. It is time to incorporate more appropriate land uses in the low ground of New Orleans, with perhaps higher density development on the natural levees. This is a time for geographers to step into the response effort and bring their skills and perspectives to the task ahead.

A few weeks ago, I, like so many, was scurrying to stock up on supplies and batten the hatches on my Baton Rouge home. Today I am back at work at my home office with few signs of the storm in my neighborhood. This, unfortunately, is not the case for hundreds of thousands from the New Orleans area, the Northshore of Lake Pontchartrain, the Mississippi and Alabama Gulf Coast and the interiors of those two neighboring states. We have seen departments in New Orleans and Hattiesburg disrupted and in response many generous offers of assistance.

The AAG made an especially rapid response, setting an example and leading the way for similar efforts by other disciplines, by establishing a geography support clearinghouse and a special fund to help rebuild geography departments and assist others affected by Hurricane Katrina. (See page 9.) We here on the gulf coast certainly appreciate that outreach, which is certainly most meaningful to those hit the hardest. Although scattered by the winds, geographers on the gulf coast are wading into restoration efforts. ■

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AAG's Rapid Response to Katrina

On September 1, only days after Hurricane Katrina struck the Gulf coast, the AAG established a geography support clearinghouse and a special fund to help rebuild geography departments and assist others affected by Hurricane Katrina. The quick response of the AAG to the destruction of the hurricane received wide coverage in the media and inspired many related efforts by other organizations.

As we now move from the emergency phase of response to the recovery phase, the AAG will continue to operate the Hurricane Katrina clearinghouse and will assist affected geography departments in their recovery efforts to the

extent possible. The message below, sent to all AAG members, describes the AAG's Hurricane Katrina Recovery Fund and Clearinghouse:

"In order to respond to the devastation caused by Hurricane Katrina and assist our fellow geographers and others in need, the AAG has organized an online clearinghouse at <http://www.aag.org/katrina>, and is establishing a fund to support geography departments and others impacted by the storm. Departments and others in need in the affected regions can send us a list of items (such as books, other publications, maps, and electronic materials) or services (including remote sensing, emergency

mapping, special expertise, etc.) and we will post these lists on the clearinghouse as a way of linking colleagues interested in helping out with those in need. The AAG has also established a special fund which will go towards rebuilding departments and assisting others in the hardest hit areas. Geographers and others can contribute to the fund online at <http://www.aag.org/Donate/index.cfm> or send a check to the AAG designated for the AAG Hurricane Katrina Assistance Fund. Send direct questions or requests for assistance to Doug Richardson (drichardson@aag.org) or John Wertman (jwertman@aag.org) at AAG headquarters in Washington, DC." ■

AAG Newsletter to Institute Op-Ed Section

We are pleased to establish a regular op-ed section in the *AAG Newsletter*. We invite brief opinion pieces highlighting the contributions of geographical analysis to understanding important public issues and events. We encourage Op-Ed commentaries (no more than 750 words) from across the full breadth of the discipline. This section is designed as a forum for debate and discussion of important geographical

ideas among AAG members. Op-ed pieces will reflect opinions of contributing AAG members and will not represent an official AAG position on any issue.

The AAG will appoint an editorial advisory committee to assist with reviewing and selecting submissions for publication in the Op-Ed section of the newsletter. The AAG will set 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 names of the authors of additional pieces will be listed in the newsletter, and the additional commentaries will be posted at 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. ■

AAG's Capacity to Respond from page 2

Yet a great deal still remains to be done, and as I write Hurricane Rita is approaching the Gulf Coast. As John Passerello noted when organizing a special session on Katrina for the upcoming AAG's Pacific Coast Division Regional Meeting, opportunities still exist for geographers to volunteer their services to help evacuees, to continue donating funds to help geography departments rebuild, to continue to assist evacuated geography students in other colleges and universities, and to continue to donate funds to non-profit emergency response organizations. "There is a rich environment for the field of hazards geography to continue to assist local, state, and federal agencies understand and mitigate disaster

threats. There are also questions concerning the long term regional and economic development in the entire impacted area. What does the future hold for New Orleans, Biloxi, Gulfport, and all the small towns in Louisiana, Mississippi, and Alabama? How should geographers approach massive rehabilitation of the region?" These and other geographic issues and challenges will be discussed at several regional meetings this fall. In addition, numerous sessions at the AAG's Annual Meeting in Chicago will explore these questions and others, such as the nature of federal governmental response to this disaster, and issues of class, race, and the environment in responses to the Hurricane Katrina and Rita disasters.

Thanks again for your generous support of those geographers in need. We will continue to operate the AAG Hurricane Katrina Clearinghouse site throughout the recovery phase of the disaster to assist geography departments in the Gulf region as necessary in the months ahead. To access the AAG Hurricane Katrina Clearinghouse, or to contribute to the recovery fund, please visit <http://www.aag.org/katrina>. Additional donations of materials, books, maps, equipment, services, and funds will be needed to help geographers and geography programs throughout the region rebuild for the future. ■

Doug Richardson
drichardson@aag.org

Chicago Annual Meeting Field Trips

The AAG invites you to join in exploring Chicago's rich cultural and physical geography through field trips during the 2006 AAG Annual Meeting. Although there will be an abundance of intellectual stimulation provided by the over 3,000 scholarly and research presentations scheduled, we encourage you to take some time to discover the treasures of Chicago and its environs and get the geographer's take on Chicago landmarks, culture, physical geography, and history.

Among some of the trips planned are a trip to Pilsen and Humboldt Park, Latino neighborhoods that are hotly contested areas of gentrification; a visit to

the Center for Green Technology and the "green roof" atop Chicago's City Hall; Sweet Home Chicago, a geography of the blues; a trip focusing on the "edge cities" of Chicago that sprawl across the prairie; and a trip exploring the Illinois and Michigan Canal National Heritage Corridor and its proposed extensions into the city of Chicago.

Other fieldtrips are being planned to highlight city neighborhoods and the issues they face; community gardens and community food security; the Indiana Dunes; public housing; real estate development; efforts to remake Chicago as a green metropolis; a walking tour of the Chicago Loop; PACE, the suburban bus

company using GPS/GIS applications to track their entire bus fleet; and of course, Chicago's Millennium Park.

In addition to these field trips, a host of special activities are planned for the meeting including the AAG Banquet featuring Victoria Lawson's Past President's Address and Richard Marston's Presidential Plenary on "Geography: the Original Integrated Environmental Science." Abstracts may still be submitted for the meeting until October 13. To do so or for more information on the meeting, visit www.aag.org/annualmeeting. We look forward to seeing you there! ■

Geographers at NCAR

New Institute for Study of Society and Environment Director

Geographer Linda Mearns was recently appointed as the Director of the National Center for Atmospheric Research's (NCAR) Institute for the Study of Society and Environment (ISSE). She has been the ISSE Deputy Director since 2000 and an NCAR scientist since 1988.

Mearns holds a PhD in Geography/Climatology from the University of California, Los Angeles. She has performed research and published in the areas of crop-climate interactions, climate change scenario formation, climate change impacts on agro-ecosystems, and analysis of climate variability and extreme climate events in both observations and climate models. Mearns has worked extensively with regional climate models and has published papers on exploring the effect of different spatial scales of climate change scenarios on determination of agricultural impacts of climate change.

Her current projects include: an international program that will serve the high resolution climate scenario needs of both the United States and Canada (NSF), an integrated assessment of environmental problems on the north slope of Alaska (NSF), climate change effects on crops in the Yangtze river area of China (NASA), and uncertainty in datasets used for agricultural assessments (NSF-MMIA). She served on the National Academy Panel on Climate, Ecosystems, Infectious Diseases, and Human Health, March 1999-June 2001 and currently serves on the Institute of Medicine Panel on Emerging Infectious Diseases of the 21st Century. She also leads the NCAR Weather and Climate Impacts Assessment Science Initiative, which includes plans to form a climate/health research and educational program.



Mearns

Intergovernmental Panel on Climate Change

NCAR's Intergovernmental Panel on Climate Change (IPCC), is now undertaking its Working Group II's Fourth Assessment Report, due to be completed in 2007.

The twenty chapters in this working group report include six U.S. Coordinating Lead Authors (CLAs), two of them geographers: Bill Easterling is CLA for Chapter 5: Food, Fibre, and Forest Products, and Tom Wilbanks is CLA for Chapter 7: Industry, Settlement, and Society. Among the lead authors geographers include Linda Mearns (Chapter 2: Assessment Methodologies) and Roger Pulwarty (Chapter 17: Adaptation). Review editors include Bob Kates and Roger Barry. Many of the non-U.S. leaders are geographers as well. ■



Nanda R. Shrestha is Professor in the School of Business and Industry at Florida A&M University. He earned his BA at Gustavus Adolphus College, his MA at Temple University, and his PhD at

Indiana University, all in geography. His work applies an economic geographical perspective to a range of issues such as population and poverty, South Asia, global economy and globalization, environment and resources, and the Black consumer market. He has undertaken dozens of individual and collaborative research projects funded by organizations such as the National Science Foundation, the Rockefeller Foundation, and Fulbright Scholars Program to Korea. He has published over 100 books, articles, and papers, many of interdisciplinary collaboration. Born in Nepal, Nanda now lives in Tallahassee with his wife and has a grown son.

AAG: How did you come to be a geographer in the first place?

Nanda: To be honest with you I did not know I was interested in geography or was going to be in geography. It happened in a funny and unexpected way. This Peace Corps guy I met in 1968, we became quite good friends in my hometown, Pokhara, Nepal. About a year after he was done with his duty in Nepal, suddenly I got a letter from him asking if I was interested in coming to the U.S. to pursue my education. I said "yes." Some six months later I got another letter asking what subject I wanted to study. I said either economics or geography.

AAG: Then what happened?

Nanda: My friend talked to a professor of geography at his alma mater and convinced him to write a letter to the dean. Still six months after, I got a letter offering a full scholarship and I was really excited—but the problem was who was going to pay for my ticket? I grew up in a very poor family. My friend borrowed money and sent me the ticket to come. That summer I earned enough to pay him back.

AAG: Why did you decide to go on to graduate school?

Nanda: I wanted to learn more and get as much education as I could. I was the first person in my family to go beyond a few grades. No one in my family even completed high school. I saw the doors open one after the other and wanted to go as far as I could and so kept going.

AAG: When you first joined the school of business as a geography faculty member, what challenges did you face?

Nanda: I had to feel everyone out and try to legitimize myself in addition to making sure that geography was an important part of business. You know, the discipline barriers—they weren't quite sure about geography and I wasn't quite sure about business.

AAG: Did you face other barriers?

Nanda: Language. We all are speaking English but the terminologies we use are almost like two different languages. Over time I've managed to have success in reaching out and have established a good working relationship. They have since accepted me as somebody who is genuinely concerned about the success of the program.

AAG: And now?

Nanda: I still feel kind of lonely and "out of place"—literally! I can't have a casual geographic dialogue.

AAG: What concepts does economic geography contribute to the field of business?

Nanda: For me, global economy and globalization—however you look, either positively, negatively, or neutrally—constitute a fundamental link between geography and international business. Now, globalization, the way I see it, is a continual process of the past interconnections firmly consolidated and expanded by the massive networks of colonialism.

AAG: What advantages do you as a geographer have in studying business?

Nanda: One advantage is that I can see the global economy much more comprehensively because of the subfields within the discipline of business. See, they have to focus on their training to research either from a manufacturing, marketing,

or some other perspective, but I can provide a more complete picture to students and other faculty.

AAG: What research would you like to do next?

Nanda: Down the road one thing I would really like to do is more interdisciplinary work, but something that really touches human lives in a way that people can see it. If I had the chance, I'd drive along the Mississippi Delta small towns, soak in their life experiences and spend time with them to try and connect their stories with my boyhood experiences. Just to see. I'm interested in the shared experiences of the poor.

AAG: What has your involvement in the business school shown you about your own discipline?

Nanda: As geographers, we should neither feel inferior nor have this high and mighty attitude amongst ourselves and the subfields of geography. We definitely have to reach out if we want to keep geography viable and make others see we have a significant role to play, no matter what subfield we are in.

AAG: What are some of your first memories of being an AAG member?

Nanda: I think my first meeting was Milwaukee in 1975. I remember vividly I was so excited just to be able to see some of the "big name" geographers in person, to connect names and faces. Connecting with others informally I also remember—one bar we went to, they ran out of beer! Imagine! In Milwaukee!

AAG: Why do you stay with the AAG?

Nanda: It's my academic root ... what has given me a chance. Were it not for geography ... it brought me here to where I am.

AAG: What has been your biggest accomplishment?

Nanda: Personally I have learned quite a lot about the discipline of business, both internationally and domestically. I have been able to do some writing with business colleagues, to collaborate on research projects. That's an achievement. As a result they have a greater appreciation of geographic perspectives. To me that is very satisfying. ■

Symposium on Geography and Drug Addiction Call for Participation

The Association of American Geographers (AAG) and the National Institutes of Health's National Institute on Drug Abuse (NIDA) are jointly sponsoring a research symposium on Geography and Drug Addiction. The symposium will be held March 8, 2006, in conjunction with the 2006 Annual Meeting of the AAG at the Palmer House Hotel in Chicago, Illinois.

Medical researchers, epidemiologists, geographers, neuroscientists, geneticists, and others with experience in the geographical dimensions of drug addiction are encouraged to apply to participate in the symposium. Themes to be addressed include:

- Spatial patterns of drug use and addiction
- Linking spatial models with neuroscience and genetics in drug abuse research
- Interaction of social and environmental factors with biochemical processes of addiction
- Geographic analysis linking demographic and genetic characteristics related to

drug addiction and treatment

- Locational analyses of drug addiction treatment and service delivery facilities
- Neighborhood scale studies of geographic factors (including the built environment) and their interaction with drug addiction, treatment, or prevention
- Use of Geographic Information Systems in better understanding and responding to drug addiction
- Spatial diffusion modeling of addictive drug usage and its changing characteristics, including also predictive modeling
- Interaction of other spatially dependent variables with drug addiction, or with prevention and treatment strategies
- Other geographic research relevant to better understanding the etiology of drug use and addiction.

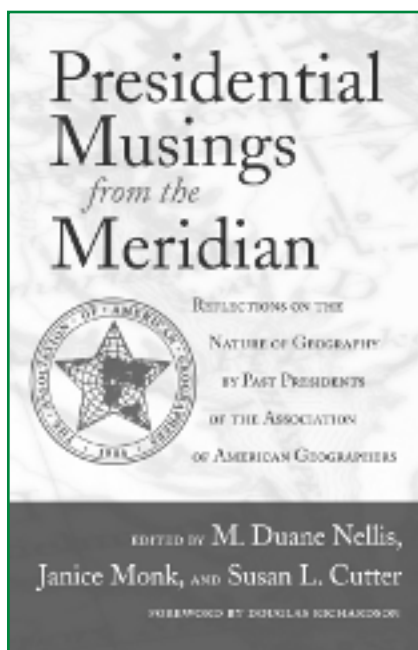
Those interested in participating in the symposium as a presenter should submit a one-page summary of their proposed topic, describing relevant research conducted, along with a brief resume or CV to Douglas Richardson, AAG Executive Director, at

drichardson@aag.org and to Yonette Thomas, PhD, Chief, Epidemiology Research Branch, NIDA Division of Epidemiology, Services and Prevention Research, at yt38e@nih.gov. In addition, poster submissions are also welcome; poster applications need only be accompanied by an abstract.

A book or special journal issue publication of the symposium results, including selected research papers, is planned for early 2007. Symposium participants should be prepared to develop a full paper for publication if requested by the editors.

For more information on the NIDA/AAG Geography and Drug Addiction Symposium, contact Douglas Richardson at drichardson@aag.org. Participation as a presenter is limited to approximately thirty researchers. Applications for Participation should be received no later than **November 8, 2005**. Earlier submission is encouraged.

Further information may also be posted at www.aag.org/nida-aag/research. ■



From the Meridian: Columns by AAG Presidents

For decades, presidents of the Association of American Geographers have written insightful columns in the *AAG Newsletter*. These columns illustrate the changes and consistencies of geography over the past thirty-four years and offer insights into the past of the geography discipline, and a broader perspective on the future.

These columns have now been gathered into a new book from West Virginia University Press entitled *Presidential Musings from the Meridian: Reflections on the Nature of Geography*. The book is edited by former AAG Presidents M. Duane Nellis, Janice Monk, and Susan L. Cutter and contains a preface by AAG Executive Director Douglas Richardson.

The book is available from West Virginia Press at www.wvupress.com or by calling 1-866-WVUPRESS and also from the AAG at www.aag.org. Members ordering through the AAG will receive a 10% discount on the list price of \$35.

Geographers' Research Inspires Peace Effort in Kashmir

The August 26, 2005 issue of *Science* magazine (vol. 309, p. 1309) included an article, entitled "Kashmir Workshop Aims to Break the Ice" about two University of Nebraska at Omaha geoscientists, John (Jack) F. Shroder, Jr. and Michael P. Bishop, who believe that examining the scientific processes taking place in the highest mountains in the world could not only reduce tensions between India and Pakistan but also advance science and benefit the people of South Asia. Bishop and Shroder have just returned from a K2 Expedition, funded by NSF-Geography and National Geographic, where massive slope failure, glaciation, and catastrophic breakout floods are thought to have rapidly eroded and unloaded the Earth's crust, which resulted in the accelerated uplift of the second highest mountain in the world.

Shroder and Bishop have received \$70,000 in funding from the National Science Foundation, \$30,000 from the Office of Naval Research Global, and \$25,000 from the Lounsbury Foundation to host a Karakoram Himalaya Workshop, to be held in South Asia next May or June. The original NSF grant proposal sought \$60,000 for the workshop, but funding was increased to \$70,000 to include more students—Shroder reported, "that is the first time that the NSF ever raised me rather than the usual cutting that they do." Details on the planned workshop can be obtained by contacting Jack Shroder (jshroder@mail.unomaha.edu) or Michael Bishop (mpbishop@mail.unomaha.edu).



PHOTO: ANDY BUSH

Shroder and Bishop in the Karakoram mountains.

A call for papers for the Karakoram Himalaya Workshop appears on page fourteen of this issue. ■

Chicago's Geographies: A 21st Century Metropolis

In preparation for its return to Chicago for the 2006 Annual Meeting, the AAG is compiling a book of original essays about Chicago written by geographers. The book, *Chicago's Geographies: A 21st Century Metropolis*, will be made available for sale in advance and on-site at the meeting.

Chicago's Geographies brings together some recent work by both Chicago-area geographers and leading urban scholars who have focused their research on this dynamic city region during the most recent phase of its development. It represents a truly engaging exchange of ideas about how Chicago has evolved and adapted to its role as a global city. The authors explore recent developments in topics spanning neighborhood change, public housing, labor relations, edge cities, urban planning, and the human environment interface. Contemporary exploration of such themes as green infrastructure, gentrifi-

cation, tourism, and sexuality in the city will provide readers with a rich collection of teaching materials on these subjects. Some authors specifically address the recent debates concerning the Chicago, LA, and New York City schools of urban studies, while the collection as a whole represents an addition to a growing literature with diverse voices that can best be described as the "new Chicago school" of urban studies. The book is edited by Richard P. Greene, Mark J. Bouman, and Dennis Grammenos who address the topics of urban development, green infrastructure, and Latino neighborhoods in their own chapters. Other contributing geographers include Virginia Parks (labor and community), David Wilson (gentrification), Siyoung Park (Asian neighborhoods), Michael Conzen (historical geography of Chicago), Winifred Curran (a gentrification case study), and Daniel Hammel (public housing). Other

urban studies authors include Larry Bennett (race in the city), Costas Spirou (Chicago and tourism), and Nik Theodore (regional economy of Chicago). These and many more authors combine contemporary facts with new thoughts about this legendary metropolis. The book is well illustrated with maps, graphs, tables, and photographs, all of which will provide current and up-to-date teaching materials for educators.

To order a copy of this book, log on to the AAG website (www.aag.org). If you have not yet registered for the AAG meeting, you may purchase a book when registering. If you have already registered for the meeting or will not be attending, you may order a copy through the AAG Online Shop. Simply click the link for the store in the golden box on the AAG main page. Copies of the book will also be available on-site in Chicago for \$12. ■

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:

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| <input type="checkbox"/> \$500 to \$999 | Scholars Circle |
| <input type="checkbox"/> \$1,000 to \$4,999 | Millennium Circle |
| <input type="checkbox"/> \$5,000 to \$9,999 | Century Circle |
| <input type="checkbox"/> \$10,000 to \$24,999 | Explorers Circle |
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- My (our) gift will be matched by my employer

I would like my gift to go toward:

- Advancing Geography Endowment Fund
- AAG Infrastructure Capital Fund
- AAG Public Policy Office
- Geographic Education for World Understanding
- Mel Marcus Fund for Physical Geography
- Enhancing Diversity Fund
- Area of Greatest Need
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Name _____

Address _____

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Date _____

Please send this pledge form to:

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

Reduce Your Taxes with AAG Donation

Contributions made by December 31 to the Advancing Geography Fund are tax-deductible for the year 2005. The Association of American Geographers is a nonprofit, tax-exempt, 501(c)(3) organization and will accept gifts made by cash, check, or credit card (MasterCard or VISA) using the form on this page. You may also pledge an extended gift by filling out the pledge form and budgeting your gift over a five-year period of time. Your pledge may be matched by your employer. Please consult your appropriate advisor for details.

The AAG Advancing Geography Fund has a goal of reaching \$2 million to create a long-term, stable fund to allow us to advance geography broadly in the years ahead, and provide sustained resources that can be used to strengthen academic geography, provide leadership training, and ensure a means for capitalizing on unique opportunities that arise in the future.

Planned Giving

The AAG is starting a planned giving campaign for the Advancing Geography Fund. Professional consultants will be available at no charge to those interested. To make arrangements for planned giving, please contact Doug Richardson at drichardson@aag.org and a consultant will be referred to you. ■

Call for Papers

Karakoram Himalaya Workshop

Applications are invited for an all-expenses-paid workshop focusing on geoscience and other relevant topics related to the high Himalaya (see *Science*, vol. 309, p. 1309). The workshop will be held in South Asia in April-June 2006. American scientists and interested graduate students are invited to apply, with Indian, Pakistani, Chinese, and Afghan scientists to be sought as counterpart participants. Other nationalities are invited and some may be supported. For those with additional extra funding of their own, an expedition may be undertaken following the workshop. If interested, please send vitae and letter of intent on your past or proposed work in the Himalaya to Jack Shroder (jshroder@mail.unomaha.edu) and Michael Bishop (mpbishop@mail.unomaha.edu). ■

AAG Book Awards

2005 book nominations are currently being accepted for the J.B. Jackson Prize, the AAG Globe Book Award, and the AAG Meridian Book Award.

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

New AAG Director of GIScience Programs, Ivan Cheung

I am sincerely honored to join the AAG as the Director of GIScience Programs. I would like to take this opportunity to briefly introduce myself. As a young boy in Hong Kong, I always enjoyed reading and making maps. We lived in an apartment on the twenty-third floor of a public housing estate in Kowloon. I spent hours looking out the window, taking in the aerial view of all the structures below, and ultimately translating them into map forms. So I was a budding geographer even in elementary school. In college I officially studied geography and eventually obtained a PhD from UCLA under the direction of Marilyn Raphael. Prior to joining the AAG, I was a faculty member at the George Washington University. I taught courses ranging from weather and climate, environmental

hazards, and spatial analysis, to geographic information systems. My research projects have mostly been collaborative and involved many disciplines. They can be organized thematically into three categories: climate, air quality, and urban environment; public health and geography of risk; and spatial distribution of immigrants. While these research interests and activities are diverse, there are two "unifying threads" that weave my works together: the application of GIS and spatial analytical techniques and a regional focus on the Washington metropolitan area.



Cheung

I wholeheartedly believe that the "geo" in geospatial technology comes from geography. I have heard over and over

again from executives and employers in the private, public, and non-profit sectors that "a broadly trained geographer makes a better geospatial technologist." As the Director of GIScience Programs, I am committed to work closely with the AAG staff to coordinate educational, outreach, and career development strategies. I am extremely excited to have this opportunity to help strengthen geography, the core of geographic information science and technology. ■

Ivan Cheung
icheung@aag.org

AAG Online Shop

The AAG recently initiated an Online Shop for AAG publications. The store offers all AAG publications, including the most recent issue of the *AAG Guide to Geography Programs*, AAG Annual Meeting publications from 2005 and before, AAG Resource Publications,

Heritage Publications, and even the recently published book *Presidential Musings from the Meridian*.

A link to the shop appears on the main page of the AAG website (www.aag.org) in the golden box. AAG publications are available to anyone visiting the website, but

member discounts are available by logging in first before placing an order. Payment may be made by credit card, U.S. check, or money order. All sales are final. Please allow one to two weeks for delivery. Rush orders will be processed within forty-eight hours, subject to availability. ■

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. ■

Many geographers have contributed to or been cited in major media coverage of the days following Hurricane Katrina. Among them are **Robert Kates**, **Craig Colten** (Louisiana State University), **Stephen Leatherman** (Florida International University), **Talbot J. Brooks** (Delta State University), **Michael Crutcher** (University of Kentucky), and **Susan Cutter** (University of South Carolina). Only a few are noted below; more will appear in the next issue.

Susan Cutter, Professor of Geography at the University of South Carolina and Director of the school's Hazards Research Lab, discussed Hurricane Katrina in a September 7, NBC Nightly News segment that was played on MSNBC and also appeared on ABC Prime Time on September 15.

Louisiana State University Professor of Geography **Craig Colten** was quoted and interviewed for a September 2, radio broadcast of *Science Friday* hosted by Ira Plato entitled, "Hurricane Katrina: New Orleans Engineering and Recovery." An article by Jason DeParle in the *New York Times* entitled, "Disaster exposes city's racial fault line" ([www.iht.com/articles/2005/](http://www.iht.com/articles/2005/09/04/news/race.php)

[09/04/news/race.php](http://www.iht.com/articles/2005/09/04/news/race.php)). A radio broadcast of *Marketplace* on September 2, entitled "Resources to help New Orleans: The Big Easy's Tough Location." A September 4, story by *Agence France Presse* entitled, "Race question hangs over disaster."

An article in the September 12, 2005, *Columbus Dispatch*, "Group Puts Geography to Test in Rescues" describes **Talbot J. Brooks**, director of the Center for Interdisciplinary Geospatial Information Technologies at Delta State University, and his hurricane relief work of as part of GISCorps. The article by Jane Hawes also describes the activities of GISCorps, an international volunteer organization for Geographic Information Systems professionals.

An op-ed piece by **Michael Crutcher** of the University of Kentucky, entitled "Build Diversity" appeared in the *New York Times* September 10, 2005. The article discussed the importance of rebuilding affordable housing in the new New Orleans, to preserve the city's cultural identity.

Dydia DeLyser, associate professor at Louisiana State University, had her new book *Ramona Memories: Tourism and the Shaping*

of *Southern California* (Minnesota, 2005) reviewed in the *New York Times* Travel section (July 24, 2005), the *Los Angeles Times* book review section (July 24, 2005), and in the *San Diego Union-Tribune* (June 26, 2005).

Why Geography Matters: Three Challenges Facing America by **Harm de Blij** was reviewed in the *Christian Science Monitor* on August 2, 2005, by David J. Smith. The book is published by Oxford University Press.

On August 17, 2005, the *Ottawa Business Journal* ran a letter to the editor by **Barry Wellar** on the topic of government action in support of alternative transportation strategies (www.ottawabusinessjournal.com/314501951648137.php).

SDSU's new teaching award, the **Edward Patrick Hogan Award for Excellence in Teaching**, was established by the Larson Foundation. It is presented to two SDSU faculty members each spring at university commencement. The award is named in honor of Ed Hogan, former Head of the Department of Geography and Professor Emeritus at SDSU and also the State Geographer for South Dakota. ■

Award Deadlines

2005 OCTOBER

14. AAAS Visiting Scholars Program and Post-Doctoral and Junior Faculty Fellowships. www.amacad.org/visiting.aspx.

14. McColl Family Fellowship. www.amergeog.org/scholarships_program.htm.

15. Fulbright Teacher and Administrator Exchanges. www.fulbrightexchanges.org.

15. National Humanities Center Fellowships. www.nhc.rtp.nc.us.

18. EPA Fellowships for Graduate Environmental Study. http://es.epa.gov/ncer/rfa/2006/2006_star_fellow.html.

21. AGS Library Fellowships. For information contact agsl@uwm.edu.

NOVEMBER

10. International Dissertation Field Research Fellowships. www.ssrc.org/programs/idrf.

17. NSF's Biocomplexity in the Environment/Dynamics of Coupled Natural and Humans Systems. www.nsf.gov/geo/ere/ereweb/fun-biocomplex.cfm.

DECEMBER

1. James R. Anderson Medal of Honor. www.aag.org/grantsawards/anderson_medal.cfm.

31. AAG Glenda Laws Award. www.aag.org/grantsawards/glenda_lawsaward.html.

31. AAG Meredith F. Burrill Award. www.aag.org/grantsawards/burrill.html.

31. AAG George and Viola Hoffman Award. www.aag.org/grantsawards/hoffmanfund.html.

31. J.B. Jackson Prize. www.aag.org/grantsawards/jackson_prize.html.

31. AAG Globe and Meridian Book Awards. www.aag.org/grantsawards/index.cfm.

31. AAG Anne U. White Fund. www.aag.org/grantsawards/anne_whitefund.html.

31. AAG Research Grants. www.aag.org/grantsawards/generalresearch.html.

31. AAG IGIF Student Travel Grant. www.aag.org/grantsawards/index.cfm.

31. AAG Dissertation Research Grants. www.aag.org/grantsawards/dissertation_research.html.

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6. International Center for Advanced Studies scholarships. www.nyu.edu/gsas/dept/icas.

10. Peace Scholar Dissertation Fellowships. www.usip.org/fellows.

FEBRUARY

1. SWG Pruitt National Fellowship for Dissertation Research Program. Contact Ruth I. Shirey at rishirey@iup.edu.

MAY

15. Pruitt National Minority Fellowship Program. Contact Ruth I. Shirey at rishirey@iup.edu.

“My Community, Our Earth” Update

MyCOE, a long-term project which the AAG began in 2001, encourages youth around the world to use geographic tools and concepts to address local issues of sustainability.

Listserve Links Youth and Mentors in 60+ countries

The My Community, Our Earth: Geographic Learning for Sustainable Development (MyCOE) project has created a new listserve. This listserve is a forum to share information on geographic learning and sustainable development topics, to exchange new educational resources and ideas, to post general inquiries about using geographic tools for sustainable development projects, to relay timely news about MyCOE program activities, and to encourage general discussions about geographic learning for sustainable development.

If you are interested in joining others from around the world on this exciting new listserve, please send a blank email to mycommunity-subscribe@aaglistserv.org.

Watershed Initiative Launches Regional Focus

To involve undergraduate students in local community projects, the MyCOE Partnership is launching a focused set of activities on issues of natural resource and watershed management in the Gulf of Mexico / Greater Caribbean Basin. With grants from the U.S. Department of Agriculture, the U.S. Agency for International Development and with support from the U.S. Geological Survey, and other MyCOE partners, the AAG will manage the new partnership initiative beginning with pilot sites in Puerto Rico, the U.S. Gulf States of Texas, Louisiana, Mississippi, Alabama, and Florida; and international sites in Honduras, Jamaica, and Panama.

The goal of the program is to encourage and support undergraduates and their institutions to participate in using geographic tools and concepts for sustainable watershed management within local



A young volunteer learns about marine and coastal ecosystems thanks to educational materials distributed through the project and her participation in cleanup events.



Volunteers in the Costa Arriba meet in Santa Isabel to inaugurate community beach restoration efforts.

community projects. Linkages among the distributed pilot project universities, community organizations, and governmental agencies will include online networking, peer-to-peer mentoring, and a proposed meeting to be held in the region that will showcase project results on sustainability.

The focused activities also address the cross-cutting priorities within the United Nations Commission on Sustainable Development themes for 2006-07 of protecting and managing the natural resource base of economic and social development, regional initiatives, and education. They will provide tangible community level results in anticipation of select UN-CSD 2008-09 themes of Agriculture, Rural Development, and Land as well as offer a disciplinary model for the U.N. Decade of Education for Sustainable Development, 2005-14. Calls for participation will be forthcoming.

Environmental Volunteers Make a Difference in their Communities

Eight community groups of 250 environmental volunteers are conducting dozens of beach cleanup and restoration and community health events within the Districts of Chagres, Donoso, Portobelo, and Santa Isabel, located in the continental Caribbean coastal zones surrounding the

Panama Canal. The groups were created and activated in conjunction with the Making Waves Project, a research and educational effort that promotes integrated coastal and marine management through capacity building, organizational strengthening, direct public participation and decentralized local governance. Some volunteers are mapping the types and locations of debris on beaches to determine the sources of solid waste pollution. The project is supported under the auspices of MyCOE by the Ocean Fund and includes partners: AAG, CATHALAC (Water Center for the Humid Tropics in Latin America and the Caribbean), Smithsonian Tropical Research Institute and ANAM (Panama National Environmental Authority). See www.aag.org/sustainable/makingwaves.html.

Learn more at the 2006 AAG Annual Meeting

A special session on the MyCOE program and current initiatives will be held at the AAG Annual Meeting in Chicago. For further information on MyCOE visit www.geography.org/sustainable. ■

Patricia Solís
psolis@aag.org

Cultural Geography SG

The Cultural Geography Specialty Group (CGSG) invites students at the master's and doctoral levels to submit proposals for the 2006 *Grant Competitions*. Awards are \$500 at each level. The application consists of a 500-word proposal accompanied by a cover letter, an itemized budget, and a curriculum vitae. Submissions must be received by the awards chair no later than **December 16, 2005**. In addition, the CGSG would like to invite students at the undergraduate, master's, and doctoral levels to participate in the 2006 *Paper Competitions*. These competitions are open to anyone who presents a cultural-geographic paper at a professional meeting between April 10, 2005 and March 11, 2006. Award amounts are \$750 for PhD (Jordan-Bychov Paper Award), \$500 for master's, and \$250 for undergraduate. Submissions must be received by the awards chair no later than **January 9, 2006**. Prospective applicants should visit the CGSG website for submission details (<http://personal.ecu.edu/aldermand/cgsg/>). Proposals and papers not in the correct format will be disqualified. Send four copies of the proposal or paper to Soren Larsen, CGSG Awards Committee Chair, Department of Geography, 8 Stewart Hall, University of Missouri, Columbia, MO 65211-6170, USA. Phone: (573) 882-9613. Email: larsens@missouri.edu.

Graduate Student AG

The Graduate Student Affinity Group (GSAG) announces the 2006 GSAG Student Paper Competition. The competition seeks to promote the dissemination of student research through written and oral presentations by geography students. This year, the competition will be expanded to include an Undergraduate Paper Award in addition to the Graduate Paper Award. Papers are invited from current students on any topic and specialty area within geography.

Papers must be based upon original work and the primary author and presenter must be a student. The paper must be presented as part of the AAG Annual Meeting in Chicago, though it is not

required to be part of a GSAG sponsored session. Students interested in participating must submit their abstract as per the AAG guidelines, and are required to send a copy of their abstract to the GSAG by **October 13, 2005** and an electronic copy of their paper in full, including figures, to the GSAG by **January 13, 2005**. For details, visit <http://gsag.geo.wvu.edu>.

Environmental Perception and Behavioral Geography SG

The Environmental Perception and Behavioral Geography Specialty Group (EP&BGSG) announces the 2006 Saarinen Student Paper Competition. The EP&BGSG will award a \$200 prize for the best student paper, illustrated paper, or poster (graduate or undergraduate) presented in either environmental perception or behavioral geography at the 2006 AAG Annual Meetings in Chicago.

In addition, a maximum of five Travel Grants of \$130 each are available to qualified applicants. Preference for the awarding of a Travel Grants 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 not competing in the Saarinen Paper Competition. Awardees must be in attendance at the Environmental Perception and Behavioral Geography Specialty Group Business Meeting.

For details on either award, to obtain the Saarinen Student Paper Competition application form, or to apply for a Travel Grant visit www.dean.usma.edu/geo/Geog/EPBG/index.htm. For questions contact Dave Lemberg via telephone (269-387-3408) or email at leberg@wmich.edu.

Historical Geography SG

Student members of the Historical Geography Specialty Group (HGSG) are invited to submit proposals for the HGSG Student Research Awards. The specialty group will grant two prizes in 2006. The award amounts will be \$400 for research at the PhD level and \$200 for research at the master's level.

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

Please submit your two-page proposal with budget via email to each member of the HGSG Student Research Awards committee by **February 1, 2006**. Committee Members are: David Robertson, Chair (robertsd@geneseo.edu), Douglas Hurt (dhurt1@ucok.edu), and Ben Tillman (b.tillman@tcu.edu).

Remote Sensing SG

The Remote Sensing Specialty Group (RSSG) announces the 2006 Best Paper Award for Young Scholars in Remote Sensing to be held in conjunction with the March 2006 AAG Annual Meeting. The award, begun in 2004, recognizes "exemplary research scholarship in remote sensing" by post-doctoral students and faculty in geography and allied fields. Qualified persons are invited to submit a brief application letter and a journal manuscript. Applicants must have earned their PhD degrees within the last five years and be a member of the RSSG. In addition to a \$250 cash prize, the recipient's paper will be published in *Photogrammetric Engineering and Remote Sensing (PE&RS)*.

To apply, submit a PDF digital copy of your manuscript to the Chair of the RSSG Awards Committee by **January 4, 2006**. For full details and submission information visit www.aagrsg.org/ and click on "2006 Early Career Award."

Sexuality and Space SG

The Sexuality and Space Specialty Group (SSSG) announces the 2006 SSSG Student Paper Competition. Organizers seek excellent quality student papers that advance the study of sexuality and space. Any student currently enrolled in a master's or doctoral degree program in geography or a related discipline may submit a paper. Papers are welcome from students at institutions outside the United States. Students do not have to present a paper at the 2006 AAG Annual Meeting.

Papers must be received by **January 20, 2006** to be considered.

The first place author will receive a prize of \$200. One honorable mention will also be made, with a prize of \$100. Winners will be notified prior to the 2006 Annual Meeting of the AAG in Chicago,

March 7-11. For full details visit the SSSG website at <http://monsoon.geog.arizona.edu/~aagsxsp/>.

Spatial Analysis and Modeling SG

The Spatial Analysis and Modeling (SAM) Specialty Group announces two paper competitions for the 2006 AAG Annual Meeting in Chicago. One competition will be a Student Paper Competition for any research conducted while a student is at an accredited university. The second will be an Emerging Scholar Paper Competition for anyone within six years of his/her PhD degree award at the time of the 2006 AAG meeting. Each competition will have a total minimum of \$500 in prizes. The winner(s) will also be invited to submit the manuscript for publication in *Geographical*

Analysis, subject to the standard review process of the journal.

Student Paper Competition: The paper must be a single-authored paper based on research primarily conducted while the student was at an accredited university. The entrant needs not be a student at the time of the AAG meeting.

Emerging Scholar Competition: The paper must be a single-authored paper whose author is within six years of his/her PhD being awarded from an accredited degree program at the time of the 2006 AAG Annual Meeting.

Feel free to contact Fahui Wang (fwang@niu.edu) if you have any questions about either competition. Please visit the SAM website (www.sam.gmu.edu) and review the official paper competition announcement under "Meetings of interest." ■

Grants and Awards

The fourth edition of *Elemental Geosystems* by **Robert Christopherson**, received the college-level physical sciences 2005 Textbook Excellence Award from the Text and Academic Authors Association.

Qihao Weng, associate professor of geography and Director of the Center for Urban and Environmental Change at Indiana State University, was awarded a \$160,000 grant from the Geography and Regional Science Program of the National Science Foundation. His three-year project, entitled "Role of Urban Canopy Composition and Structure in Determining Heat Islands," will synthesize optical remote sensing of urban construction materials and structure, thermal remote sensing of land surface temperatures, and landscape ecology to establish a protocol for studying the interactions among urban surface biophysical characteristics, the thermal behavior of urban landscapes, and urban heat islands.

Geographer **Mary Dengler** was awarded Royal Holloway, University of London's 2005 Individual College Teaching Prize. This university-wide prize is awarded annually to



Dengler

one member of Royal Holloway's teaching staff. She was selected for her deployment of an active-learning curriculum to enhance student learning in the master's of science program in sustainability and management.

Douglas Goodin, Kansas State University (KSU), is a co-PI on the project, "Development of UAV Remote Sensing for Ecosystem Research," recently funded by NSF (EPSCoR/Major Research Instrumentation) at \$645,911 for three years. The PI of the project is Dale Schinstock (KSU Engineering), and the other Co-PI is Jay Ham (KSU Agronomy).

The second edition of *World Regions in Global Context: People, Places and Environment* by **Sallie Marston**, **Paul Knox**, and **Diana Liverman** received the college-level humanities/social sciences 2005 Textbook Excellence Award from the Text and Academic Authors Association.

J.M. Shawn Hutchinson and **John A. Harrington, Jr.** (both at Kansas State University), are co-PIs on a grant that recently was funded by the KSU Targeted Excellence program. The project, "Geospatial

Technology Infrastructure Enhancement Program: Phase II," has been funded at \$550,000 over a period of four years.

The National Science Foundation awarded a grant of \$25,789 to **Chris S. Renschler**, University at Buffalo-SUNY, to host the 36th Binghamton Geomorphology Symposium on "Geomorphology and Ecosystems" in Buffalo, New York (October 7-9, 2005).

A Special Achievement in GIS (SAG) Award was presented to **Kansas State University** in July, for recent accomplishments in GIScience research and education. The award was presented by ESRI founder and President Jack Dangermond at the 25th annual ESRI International User Conference in San Diego. This award is rarely given to universities. Shawn Hutchinson, assistant professor of geography, was on hand to receive the award.

The third edition of *Introduction to Geography: People, Places and Environment* by **Edward Bergman** and **William Renwick**, received the college-level humanities/social sciences 2005 Textbook Excellence Award from the Text and Academic Authors Association. ■

International Dissertation Field Research Fellowships

The Social Science Research Council and the American Council of Learned Societies are pleased to announce the 2006 competition of the International Dissertation Field Research Fellowship (IDRF) program, which is designed to support distinguished graduate students in the humanities and social sciences conducting dissertation field research in all areas and regions of the world. Fifty fellowships of approximately \$20,000 will be awarded in 2006.

The IDRF Program is committed to scholarship that advances knowledge about cultures, societies, aesthetics, economics, and/or politics outside the United States. The program promotes work that is relevant to a particular discipline while resonating across other fields and area specializations. The program is open to full-time graduate students in the humanities and social sciences (regardless of citizenship) who are enrolled in doctoral programs in the U.S.

Applications for the IDRF program must be submitted electronically using the SSRC's "Online Application Portal." For detailed information on application procedures, visit the IDRF website at www.ssrc.org/programs/idrf or contact

program staff at idrf@ssrc.org. The deadline for submissions is **November 10, 2005**.

Peace Scholar Dissertation Fellowships

The U.S. Institute of Peace invites applications for Peace Scholar awards offered by the Jennings Randolph Program for International Peace. The fellowships are intended to support the research and writing of doctoral dissertations addressing the sources and nature of international conflict and ways of preventing or ending conflict and sustaining peace.

For eligibility requirements and application details visit www.usip.org/fellows. The deadline for receipt of applications for 2006-07 is **January 10, 2006**.

SWG Pruitt National Dissertation and Minority Fellowships

The Society of Woman Geographers (SWG) announces two national fellowship programs for 2006-07. Both are for women in geography and geographical aspects of allied fields and are being funded from the Evelyn L. Pruitt Fund.

The SWG Pruitt National Fellowship for Dissertation Research Program invites applications from women PhD students for the annual Pruitt competition. SWG

expects to make two awards of up to \$15,000 for 2006-07. Applications are due by **February 1, 2006** and awards will be announced by April 15, 2006.

The SWG invites applications also for the Pruitt National Minority Fellowship Program. Women who are members of a minority group and who have been admitted to and plan to enroll in a master's program in geography or geographical aspects of an allied field are strongly encouraged to apply. It is expected that an award of \$5,000 will be made for 2006-07. Applications are due by **May 15, 2006**. It is expected that the award will be announced by July 1, 2006.

Application guidelines for either the dissertation or minority program should be requested from Dr. Ruth I. Shirey, Chair of the SWG National Fellowship Committee (rishirey@iup.edu).

NSF Grants and Competitions

See the Award Deadlines column in this issue or visit www.nsf.gov/funding/pgm_summ.jsp?pims_id=5410.

AAG Grants and Competitions

See the Award Deadlines column on page 27 of this issue or visit www.aag.org/Grantsawards/index.cfm. ■

Visiting Geographical Scientist Program

The Visiting Geographical Scientist Program (VGSP), which sponsors visits by prominent geographers to colleges and universities across the country, welcomes applications for the 2005-06 academic year. Funded by Gamma Theta Upsilon (GTU), the International Geographical Honor Society, and managed by the AAG, the VGSP aims to stimulate interest in geography, especially in small departments that do not have the resources to bring in well-known

speakers. Participating institutions select and make arrangements with the visiting geographer. The VGSP covers travel costs and provides a small honorarium; host institutions provide meals and housing.

To qualify for the program, at least one-half of the institutions hosting a visiting scientist during the academic year must have active chapters of Gamma Theta Upsilon (one that has reported initiates in the past four years). The VGSP also requires one scientist to

visit two or more institutions over a one to three-day period. A single contact at the primary sponsoring institution will coordinate the visits. Speakers for the VGSP are subject to GTU/AAG approval, unless selected from the current VGSP speakers list.

Further program information, the VGSP speakers list, and electronic application forms are available at www.aag.org/Education/GTU/Visiting_geo_sci.html. ■

University of Alabama, Assistant Professor, Lisa Boulton. PhD, 2005, University of Tennessee.

Colorado College, Assistant Professor, Eric P. Perramond. PhD, 1999, University of Texas-Austin.

Kansas State University, Visiting Assistant Professor, Laura Moley. PhD, 2004, University of Kansas.

University of Maryland Baltimore County, Assistant Professor, Robert Neff. PhD, 2005, Penn State University.

University of Maryland Baltimore County, Visiting Assistant Professor, Stuart Kirkham. PhD, 2005, University of Texas-Austin.

Northern Kentucky University, Assistant Professor, Carol A. Medlicott. PhD, University of California-Los Angeles, 2003.

South Dakota State University, Assistant Professor, Bruce Millett. PhD, 2004, South Dakota State University.

South Dakota State University, Assistant Professor, Robert Watrel. PhD 2001, University of Nebraska, Lincoln.

University of South Florida, Assistant Professor, Pratyusha Basu. PhD, 2003, University of Iowa.

University of South Florida, Assistant Professor, Jennifer Collins. PhD, 2002, University College of London.

University of South Florida, Associate Professor, Elizabeth Strom. PhD, 1996, City University of New York.

Southern Illinois University-Carbondale, Visiting Assistant Professor, Julie Weinert. PhD, expected 2006, Ohio State University.

University of Toronto, Assistant Professor, Ron Buliung. PhD, 2004, McMaster University.

University of West Florida-Ft. Walton Beach, Assistant Professor, John D. Waldron. PhD, 2002, Texas A&M University. ■

The following new appointments are Senior Research Scientists at the new Geographic Information Science Center of Excellence (GIScCE) at South Dakota State University. They hold rank in the Department of Geography and will have teaching duties in addition to their research at the GIScCE.

South Dakota State University, Center of Excellence Co-Director and Professor, Tom Loveland. PhD, 1998, University of California, Santa Barbara.

South Dakota State University, Professor, Mark Cochrane. PhD, 1998, Pennsylvania State University.

South Dakota State University, Professor, Kevin Gallo. PhD, 1984, Purdue University.

South Dakota State University, Professor, Geoffrey Henebry. PhD, 1989, University of Texas at Dallas.

South Dakota State University, Professor, Shuguang Liu. PhD, 1996, University of Florida.

South Dakota State University, Professor, David Roy. PhD, 1993, University of Maryland.

South Dakota State University, Professor, Jim Vogelmann. PhD, 1983, Indiana University.

South Dakota State University, Associate Professor, Mike Wimberly. PhD, 1999, Oregon State University.

South Dakota State University, Associate Professor, Chensun Zhang. PhD, 2002, Swiss Federal Institute of Technology.

South Dakota State University, Professor, Zhiliang Zhu. PhD, 1991, University of Michigan. ■

Quarter Century

The October 1980 issue of the *AAG Newsletter* contained news that **Thomas J. Bassett**, PhD candidate in geography at UC, Berkeley, received an International Doctoral Research Fellowship from the Social Science Research Council (SSRC) and the American Council of Learned Societies for research in the Ivory Coast and Senegal on peasant economy and livestock in northern Ivory Coast ... **Siyoung Park**, assistant professor of geography at Western Illinois University, was awarded a grant for international post-doctoral research by the SSRC for research in Korea on the spatial impact of growth centers on regional development... It was

announced that new additions to the "Geographers on Film" series included **Karl Butzer**, **Clarence Glacken**, **David Hooson**, **Allan Pred**, and **Richard Thoman** ... Fulbright Awards for university teaching and advanced research abroad during 1980-1981 went to **Gigi Berardi**, assistant professor of geography, University of Maryland Baltimore County, for research in Italy on the energy requirements of Italian agriculture and the potential for energy conservation; **Lawrence A. Herzog**, geographer from San Diego, California, to lecture on urban and regional development planning at the National University of Engineering, Lima, Peru; **John M. Hunter**,

professor of community health science and geography, Michigan State University, to lecture on medical geography and village health surveys at the University of Sierra Leone, Freetown; **William G. Loy**, associate professor of geography, University of Oregon, to lecture and conduct research on urban geography, history, and philosophy of geography, and remote sensing at Trinity College, Dublin, Ireland; and **Gene E. Martin**, Director of Intercultural Studies, California State University, Chico, to lecture on population geography and to conduct collaborative research on population redistribution at the Escuela Politecnica del Ejercito, Quito, Ecuador. ■

Eastern Kentucky University

Eastern Kentucky University (EKU) recently received an \$800,000 National Science Foundation grant to establish a new Environmental Research Institute. The NSF Experimental Program to Stimulate Competitive Research grant, will allow EKU to coordinate efforts to increase research of environmental conditions and environmental issues affecting eastern Kentucky, as well as contribute to K-16 mathematics and science education in the region. Alice Jones, associate professor of geography at EKU is Director of the new program.

It is hoped that the new Eastern Kentucky Environmental Research Institute, based at EKU, will increase the capacity of the university to seek and receive federal funding for environmental research; enhance science and math preparedness of students in undergraduate and graduate programs; increase interest and expertise in the mathematical and natural sciences among K-16 students; and increase community capacity for solving environmental problems by training a young professional workforce, educating teachers and K-12 students, and educating members of the community. The institute will look at issues including the relationship between land use and water quality.

University of South Florida in Tampa

The State of Florida recently approved a new PhD in Geography and Environmental Science and Policy (ESP) at the University of South Florida in Tampa. The first students started the program in January of 2005.

The degree is interdisciplinary, the curriculum of which is designed to integrate fully the strengths of the Departments of Geography and ESP. Emphasis is placed on providing theoretical rigor and methodological skills enabling the students to make significant and original research and policy contributions in an

integrated interdisciplinary environment. In addition, the degree has a very strong emphasis on working to solve real-world geographical and environmental problems.

The degree has five emphasis areas: (1) economic, social, and planning issues in the urban environment, (2) karst science and climate change, (3) natural/technological hazards and health, (4) landscape ecology, and (5) water resources and policy.

The emphasis area in economic, social, and planning issues in the urban environment provides a framework for studying the economic and social issues associated with urbanization. The emphasis area of karst science and climate change is one of only a handful of departments in the world offering PhD level instruction in the area of karst science, even though approximately twenty percent of the earth's land surface is considered a karst landscape. The emphasis area on natural/technological hazards and health encourages research on a wide array of issues such as vulnerability of populations to hazards and the impact of pollution on health. The emphasis area on landscape ecology will examine ecological research questions associated with the geography of plant and animal communities. Finally, the water resources and policy emphasis area provides a concentration in the science and policy study of water quality and water supply.

South Dakota State University

Several new initiatives have recently been established at the Department of Geography at South Dakota State University (SDSU). Most prominent is a newly formed Geographic Information Science Center of Excellence (GIScCE). This center is accompanied by the creation of a new PhD program in Geospatial Science and Engineering with a specialization in Remote Sensing Geography, and a new BS degree program in Geographic Information Science.

The Geographic Information Science Center of Excellence (GIScCE) is a joint collaboration between SDSU and the U.S. Geological Survey's National Center for Earth Resources Observation and Science (EROS). The center is intended to enable SDSU faculty, students, and EROS scientists to carry out collaborative research, seek professional development, and implement educational programs in the applications of geographic information science.

A primary emphasis of the GIScCE will be the use of remotely sensed imagery to study land surface and its modification over time. The GIScCE will employ remote sensing, geographic information systems, digital mapping, and geostatistics to document and understand the changing earth.

To date, thirteen researchers from SDSU and EROS have been recruited to constitute the GIScCE staff of senior scientists. Each senior scientist has a commitment to teach one class per year in the department; eleven of the thirteen hold associate professor or professor faculty rank in the Department of Geography. Matthew Hansen (SDSU) and Tom Loveland (USGS) are the Co-Directors of the GIScCE.

Through internships and professional development requirements, SDSU undergraduate and graduate students majoring in geography, GIScience, or Geospatial Science and Engineering can earn recognition as GIScCE Scholars.

In addition to the GIScCE, the South Dakota Board of Regents has authorized SDSU to grant the PhD in Geospatial Science and Engineering. Doctoral students enrolled in the program may earn specializations in remote sensing geography or remote sensing engineering. The first classes for the new major began in fall term 2005. Interested applicants can contact the Program Coordinator, Janet Gritzner, c/o the Department of Geography or at janet.gritzner@sdstate.edu. ■

AAG Book Awards

2005 book nominations are currently being accepted for the J.B. Jackson Prize, the AAG Globe Book Award, and the AAG Meridian Book Award.

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

John B. Garver, Jr.

John Garver, former Chief Cartographer for National Geographic died on May 22, 2005. Born July 11, 1928, he earned his BS at the U.S. Military Academy a West Point in 1952. Recognizing his keen geographical intellect and leadership potential



John B. Garver and Arthur H. Robinson reviewing the NGS map of "The World" with the Robinson projection.

PHOTO: NGS

in the classroom, the Army sent him to Syracuse University in 1963 for training to teach geography at West Point. He completed his MA in 1965 and became an instructor in the Department of Earth, Space and Graphic Sciences at West Point in 1966. In 1969-70, he served as Parachute and Ranger and earned the Combat Infantryman's Badge while commanding an Infantry Battalion in the Vietnam War and also served as deputy commander of a brigade. He was awarded numerous medals, including four Bronze Stars—two of these for valor. Other assignments took him around the world to various military installations in Germany, the Panama Canal Zone, Saudi Arabia, Fort Bragg, North Carolina, and Fort Benning, Georgia.

Following these assignments, he again returned to West Point as a Professor of Geography and was awarded his PhD from Syracuse in 1981, completing his dissertation topic on the "The Role of the United States Army in the Colonization of the Trans-Missouri West: Kansas, 1804-1861." Meanwhile, he initiated two academic programs within the Geography Department at West Point that are still active today. The first is a degree program in Environmental Engineering that focuses on global environmental concerns and the role of military. The second program, "Military Geography," was John's forte and incorporates historical geography at its core. During his time at West Point he hosted geographers, environmentalists, mountaineers, and American icons for on-campus lectures, as well as countless guests and former classmates from a broad spectrum of disciplines.

Garver was the author of several papers and publications on geographic subjects including *Landscape Atlas of the USSR* and *Selected Aspects of the Geography of Poverty*. In 1982 he retired as Colonel from West Point and soon assumed the

position of Senior Assistant Editor and Chief Cartographer for the Cartographic Division at the National Geographic Society (NGS). During his career at NGS he led the transition to computer cartography and initiated many projects, including the "Making of America" series with his former advisor Donald Meinig as chief editorial consultant (seventeen regional maps) and "Making of Canada" series (six maps), with R. Cole Harris and John Warkentin. Garver launched the renowned *Historical Atlas of the United States*, prepared as the principal work in celebration of the 100th anniversary of the NGS. The atlas featured the work of historical geographers such as Donald Meinig, Peirce Lewis, Sam Hilliard, Wilbur Zelinsky, and Fred Kniffen as well as scholars in history, anthropology, folklore, and architecture. As President of the Washington Map Society in 1987-88 he continued to host many lectures and events to bring this community to his new front porch at NGS. He published an article in the *Portolan* entitled "Isaac McCoy: Forgotten Mapper of the Trans-Missouri West." Two other major atlases were produced using state of the art technology and imagery—the *Atlas of North America: Space Age Portrait of a Continent* (1985) and the *Sixth Edition Atlas of the World*. Again, through his impressive network of scholars and explorers, he released the acclaimed NGS map of "The World" with Arthur Robinson's projection in 1988, which spearheaded an iconic look and format for the next seven years in many geographic publications. He also sponsored several cartographers in residence during this period hosting Arthur Robinson, David Woodward, and Judy Olson for

staff tutorials and lectures on innovations in cartography. With mountaineer and explorer Brad Washburn, he also produced the highly-awarded "Map of Mt. Everest" included in the December 1988 issue of *National Geographic*. Garver spearheaded a long-standing relationship with ESRI and paved the way for a viable and sustaining digital mapping process that is reflected in subsequent editions of the *Atlas of the World*, now in its 8th edition.

After ten years he retired from NGS in 1991. He continued his literary and academic pursuits with lectures and travels to all corners of the world. He was elected to the Cosmos Club in 1993. In 2002 he published an entry on "Military Geography" for the thirty-volume *Encyclopedia of the Behavioral and Social Sciences* by Elsevier Press, Oxford. He was in the process of writing a book about the role of the U.S. Army in the colonization of the pre-Civil War trans-Missouri West when he died.

Leverett Paddock Hoag

Leverett Hoag, Professor Emeritus, University of Minnesota Duluth, died Tuesday, November 16, 2004. He was a graduate of Moorhead State Teachers College High School in 1933, where he was valedictorian of his class. After completing a bachelor's of education degree at Moorhead State Teachers College in 1937, Professor Hoag taught meteorology and navigation to flight school candidates, and he also served in the U.S. Navy during World War II. In 1958 he was awarded his PhD in geography from the University of Minnesota. He then began his teaching career at the University of Minnesota, Duluth (UMD), where he taught the core physical geography courses for twenty-six years. During his tenure at UMD he served as Department Head for eight years and on many campus committees including the Faculty Council and the University Wide Senate.

Professor Hoag was one of the two principle faculty members essential in the creation and building of the geography department at UMD. As a teacher, he firmly believed in the significant role of geography in the curriculum of the liberal arts college and that geography is orderly knowledge of the diversity of the earth. ■

Jobs in Geography

UNITED STATES

ARIZONA, TUCSON 85721. The Udall Center for Studies in Public Policy (<http://udallcenter.arizona.edu/>) and the Department of Geography and Regional Development (<http://geog.arizona.edu/>) invite applications for a tenure track **Assistant/Associate Professor in the area of environmental science/studies and policy.** This is a shared position, with a tenure home in GRD and a research assignment in the Center. The Center sponsors policy-relevant, interdisciplinary research that links scholarship and education with decision-making. The Center specializes in issues concerning the environment, including water, climate, natural resources, and land use, especially as they relate to economic development, American Indian governance, public lands, and the U.S.-Mexico border. The Center is particularly interested in a geographer or closely allied scholar who can provide research leadership in one or more of these areas, or who can contribute new but related foci. Faculty members in GRD specialize in physical geography, human-environmental relations, regional development, and critical human geography. Together we are seeking an energetic person keen to work within a dynamic interdisciplinary environment. Responsibilities for the Center are fully directed toward the establishment and maintenance of a research program of excellence; affiliation with GRD allows the right person the opportunity to be associated with a growing academic unit supporting excellent undergraduate and graduate programs. Additional opportunities exist for working with world class environmental and policy researchers across the University of Arizona campus. The Center and Department are seeking an individual who is able to work with diverse students and colleagues, and who has experience with a variety of teaching methods and curricular perspectives. To apply, visit the University of Arizona job webpage at www.uacareertrack.com, and enter Job No. 33299. Applicants should be prepared to 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 addresses of three referees. Additional materials, such as a teaching portfolio and research articles, may be subsequently requested by the search committee. The position is open until filled, with applications reviewed on a continual basis

beginning October 15, 2005. Anticipated start date is August 2006. The position is subject to final budgetary approval. As an equal opportunity and affirmative action employer, the University of Arizona recognizes the power of a diverse community and encourages applications from individuals with varied experiences, perspectives, and backgrounds. The University of Arizona is an AA/EEO Employer-M/W/D/V.

SEP 05-212.

CALIFORNIA, ARCATA 95521-8299. Humboldt State University, Department of Geography. Full-time, tenure-track **Assistant Professor in Human/Cultural geography** beginning August 2006. We seek an individual committed to quality undergraduate teaching and scholarship. Primary responsibilities include lower and upper division human and cultural courses within a subfield that could include urban/rural studies, population, political, economic, and development. A regional specialty is also desirable. Other responsibilities include a commitment to scholarship, academic service, and community outreach. Ph.D. required at the time of appointment.

Humboldt is the northernmost of the 23-campus California State University system. The

campus sits between redwood groves and the Pacific Ocean, 270 miles north of San Francisco. Our dramatic natural setting and small class size foster collegial faculty-student relations. The Geography Department counts 125 majors, a dedicated Cartography/Geovisualization lab, smart classrooms, and superb opportunities for field study. SEP 05-201.

Apply: Send letter of application, vitae, transcript copies, and three letters of recommendation to Dennis Fitzsimons, Search Committee Chair, Department of Geography, Humboldt State University, One Harpst Street, Arcata, CA 95521-8299. Voice: (707) 826-3467. Fax: (707) 826-3205. Email: def4@humboldt.edu. Application deadline is October 31, 2005. For details about the University, the Department, and full vacancy announcement, consult: <http://www.humboldt.edu/~facpers/facvac.html> and www.humboldt.edu/~geog/.

EO/Title IX/ADA employer.

***CALIFORNIA, BERKELEY.** University of California at Berkeley, College of Natural Resources. **Assistant Professor of Society and Ecosystem Management.**

This is a tenure-track, nine-month career

"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

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, 2006. The successful candidate will have field or management experience and an earned doctoral degree in a relevant field such as (but not limited to) the social sciences, environmental studies, or public policy studies. An emphasis on forested ecosystems or watershed management is preferred but not required. The successful candidate will be expected to develop a nationally-recognized research program on society and ecosystem management. We are interested in someone whose research is relevant but not limited to California ecosystems. We hope to find someone who can analyze California integrated resource management issues in relation to US and global management networks and processes. Applications must be *postmarked* by 1 December, 2005. Please submit a cover letter (including a statement of how you view the relationship between society and ecological management), 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. OCT 05-264.

Apply: Chair, Society and Ecosystem Management 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, FULLERTON 92834.** The Geography Department at California State University, Fullerton, invites applications for an **Assistant Professor** position (full-time, tenure-track) beginning Fall 2006. We seek a human geographer with a specialization in **migration and population with a regional focus on California or the Southwestern U.S.** Responsibilities include teaching introductory courses in human and global geography and advanced and graduate courses in human geography, regional geography and area of specialization. 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.

Application materials must be postmarked by January 13, 2006. 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/Geography-Human Geographer.htm](http://diversity.fullerton.edu/Geography-Human%20Geographer.htm). OCT 05-266.

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.** California State University, Long Beach, seeks **Assistant or Associate Professor in Contemporary India.**

Departmental appointment in Political Science, International Studies, Geography, or related social sciences, based on disciplinary specializations. Ph.D. in political science, geography, international studies, or other social science relevant to contemporary India in hand at time of appointment. Teaching and research areas could include demography, gender and development, social movements, health and development, nationalism and comparative nationalism, comparative government and/or contemporary politics. Duties include curriculum development and teaching effectively in an ethnically and culturally diverse campus community, research, seeking extramural funding, and service as Assistant Director of the Center for Indian Studies. For more information about minimum and preferred qualifications, position duties, and application process, please visit <http://www.csulb.edu/geography/modernindia.html> and contact Arnold Kaminsky at 01 (562) 985-5279 or akamin@csulb.edu. An EEO EMPLOYER. OCT 05-252.

***CALIFORNIA, LOS ANGELES 90095.** University of California, Los Angeles.

The Department of Geography invites applications for a tenure-track position at the rank of assistant professor beginning 1 July 2006.

Candidates may work in **any substantive area of Geography**, but must possess strong technical skills in Geographic Information Systems. The successful candidate will play an integral role in further developing our GIS program including the implementation of a certificate program in Geo-

graphic Information Systems and Technologies (GIST). Demonstrated excellence in research and teaching, and a strong commitment to procuring extramural research funding are required. UCLA's Department of Geography is among the top ranked geography departments in the nation and offers a multi-faceted faculty from a variety of sub fields, including GIST.

Women and minorities are especially encouraged to apply. UCLA is an AA/EOE employer. Applicants should send curriculum vitae, statement of research and teaching interests, and contact information for three referees to the address below no later than October 31, 2005. OCT 05-241-1.

Apply: Search Committee Chair, Department of Geography, UCLA, Box 951524, 1255 Bunche Hall, Los Angeles, CA 90095-1524.

***CALIFORNIA, LOS ANGELES.** UCLA seeks a **scholar of migration/immigration** for a joint tenure-track appointment between the Law School and UCLA's International Institute. This appointment can be at **any rank**. Candidates should have the Ph.D. or J.D. (preferably both), should be comfortable working across disciplines, and should be able to teach courses on (a) U.S. immigration law, (b) asylum and refugee law and policy (preferably in a comparative context), and (c) the political, social, cultural, or economic dynamics of migration. Applications, to include a c.v., representative recent paper or article, and three references, should be submitted on-line (after 15 September) via the appropriate link at <http://www.international.ucla.edu/> or directed in hard copy to the address below. OCT 05-259-1.

Apply: Ms. Tara Wake, Joint Law Search Committee, International Institute, 11266 Bunche Hall, UCLA, Los Angeles, CA 90095-1487; and, to assure full consideration, should be received by 1 November 2005. UCLA is an affirmative action / equal opportunity employer. The International Institute has a strong commitment to the achievement of excellence and diversity among its faculty and staff.

***CALIFORNIA, LOS ANGELES 90095.** University of California, Los Angeles.

The Department of Geography invites applications for a tenure-track position at the rank of **assistant professor** beginning 1 July 2006. The successful candidate will work in the broad area of **physical geography** with demonstrated application of their research to questions of global environmental change. Excellence in research and teaching, and the ability to procure extramural research funding are required. UCLA's Department of Geography is

among the top ranked geography departments in the nation and offers a multi-faceted faculty from a variety of sub fields including a core group working on environmental change using a diverse set of technical approaches.

Women and minorities are especially encouraged to apply. UCLA is an AA/EEO employer. Applicants should send curriculum vitae, statement of research and teaching interests, and contact information for three referees to the address below no later than October 31, 2005. OCT 05-242-1.

Apply: Search Committee Chair, Department of Geography, UCLA, Box 951524, 1255 Bunche Hall, Los Angeles, CA 90095-1524.

***CALIFORNIA, LOS ANGELES 90032-8222.** California State University, Los Angeles. The Department of Geography and Urban Analysis is accepting applications for a tenure-track Assistant or Associate Professor of Geography in Urban Analysis with expertise in one or more of the following: urban environment, urban development, urban land use, urban planning, social policy, and ethnic communities. Knowledge of GIS, remote sensing, and/or quantitative methods, teaching experience, and a publication record are desirable. The successful candidate will teach lower - and upper-division and graduate courses in urban and environmental development and her/his own specialties. The starting date is September 1, 2006. Ph.D. is required. Candidates must demonstrate a potential for effective teaching and scholarship, and the ability and interest to work in a multi-ethnic, multicultural environment. The successful candidate is expected to develop an active research program and to seek external funding. OCT 05-256.

Apply: Submit letter of application, curriculum vitae, transcript from institution awarding highest degree, and three letters of recommendation. Employment is contingent upon proof of eligibility to work in the United States. Review of applications will begin on November 15, 2005, and continue until position is filled. Address applications, required documentation and/or requests for information to: Search Committee Chair, Department of Geography and Urban Analysis.

***CALIFORNIA, LOS ANGELES 90095-1487.** UCLA seeks a scholar of migration/immigration for a joint tenure-track appointment between the Law School and UCLA's International Institute. This appointment can be at any rank. Candidates should have the Ph.D. or J.D. (preferably both), should be comfortable working across disciplines,

and should be able to teach courses on (a) U.S. immigration law, (b) asylum and refugee law and policy (preferably in a comparative context), and (c) the political, social, cultural, or economic dynamics of migration. Applications, to include a c.v., representative recent paper or article, and three references, should be submitted on-line (after 15 September) via the appropriate link at <http://www.international.ucla.edu/> or directed in hard copy to the address below. OCT 05-222-1.

Apply: Ms. Tara Wake, Joint Law Search Committee, International Institute, 11266 Bunche Hall, UCLA, Los Angeles, CA 90095-1487; and, to assure full consideration, should be received by 1 November 2005. UCLA is an affirmative action / equal opportunity employer. The International Institute has a strong commitment to the achievement of excellence and diversity among its faculty and staff.

CALIFORNIA, REDLANDS 92374. University of Redlands seeks GIS Program Director, College of Arts & Sciences. Administrative appointment. Position provides academic and administrative leadership for the MS GIS Program and supports the enhancement of GIS curricula throughout the College, including the development of a GIS undergraduate minor. Responsible for fiscal management and strategic planning for the MS GIS Program, including curriculum evaluation and revision, program administration, and faculty development. It is expected that the Program Director will teach half time in the MS GIS Program and help in the supervision of Major Individual Projects (thesis equivalent) for MS GIS students. Minimum Qualifications: Master's degree with relevant experience, PhD preferred. Experience teaching GIS at the upper division and/or graduate university level. Must demonstrate excellent teaching qualifications and administrative experience related to overseeing GIS education at undergraduate, graduate, and/or professional levels. Hands-on experience using GIS in research or professional projects. Experience supervising advanced student projects, including master's theses. Disciplinary foci in the areas of Information Systems for GIS, Geodatabase Design and Development, Programming for GIS, and GIS Project Management are particularly desirable. SEP 05-221.

To apply: Submit a CV and the names of three references PLUS a letter explaining why you feel you are a good candidate for the position to Professor Karen Kemp, Director, MS GIS Program, University of Redlands, P.O. Box 3080, Redlands, CA 92373-0999. Open

until filled. For more information, contact karen_kemp@redlands.edu. Review of applications will begin September 15, 2005 and will continue until position is filled. The University is an Equal Opportunity Employer. Members of underrepresented groups are encouraged to apply.

CALIFORNIA, REDLANDS 92373. Natural Resources Industry Solutions Manager. Join the world leader in GIS! ESRI is searching for a creative, dynamic professional to work in the critical natural resources industry, helping to market and sell ESRI's software solutions to clients worldwide.

Develop, manage, and execute a comprehensive marketing, business development, and business partner plan; Support corporate product and revenue objectives in the natural resources industry, including agriculture, forestry, earth science, petroleum, and pipeline markets; and Research, analyze, and monitor technological, financial, and market factors to capitalize on market opportunities and minimize effects of competitive activity.

The successful candidate must have advanced management, market development, business development, or marketing experience (at least seven years at senior level) and possess significant proven industry experience, reputation, and knowledge. This position requires a B.S., B.A., or M.S. degree in business, environmental sciences, GIS, geography, computer science, or a related field. The successful candidate must possess excellent interpersonal, writing, presentation, and leadership skills; be a team player, and demonstrate a cooperative, professional demeanor. SEP 05-214.

To apply, send your cover letter and resume to jobs@esri.com or apply online at www.esri.com/careers. Please code all submissions AAG/CB.

CALIFORNIA, SACRAMENTO 95819-6003. California State University, Sacramento, Department of Geography. A full-time tenure track Assistant Professor position, effective Fall 2006. The Geography Department is seeking an individual specializing in urban planning, regional planning, or resource management. The successful candidate will be expected to take the lead in (1) strengthening the planning concentration within the Geography program and (2) helping the Department engage in regional, local, and state-level planning/resource issues in California. Ph.D. in Geography required; all requirements for the degree must be completed by August 25, 2006.

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, and (2) demonstrated the ability to work well with students from diverse backgrounds.

Specific duties for the position 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) establishing working relationships with related university programs and with local and regional public agencies, (4) engaging in scholarly activity/research, as well as (5) the service and advising responsibilities normally expected of university faculty.

Applicants should submit a one to two page letter of application addressing their fitness for the position described above, a statement of teaching interests and experience, a statement describing experience working with planning/resource management issues, a statement of scholarly interests and experience (particularly in the context of doing research with undergraduate students), 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 11, 2005; 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 05-205-3.

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, 2006. Ph.D. required at time of appointment. Expertise required in the area of **Environmental Policy** with a strong combined background in the areas of policy analysis and environmental/biological science or physical geography. The position is intended to serve as a bridge between physical

and human aspects of geography. 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 references. 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 14, 2005. SEP 05-219.

Applications should be sent to Dr. Christina Tague, Chair, Hiring Committee, Department of Geography, e-mail: ctague@mail.sdsu.edu.

***CALIFORNIA, SANTA CLARA 95053.** The Environmental Studies Institute at Santa Clara University invites applications for a tenure-track **Assistant Professor position in Environmental Physical Geography/Geology** starting September 2006. We are seeking to fill out the Institute's program with a more physically-based environmental scientist who has strong interdisciplinary interests. Applicants must have a Ph.D. in environmental science, physical geography, environmental geology, or related discipline. Research experience in resource management, water resources, soil resources, or climatology is desirable, especially if incorporating GIS. Candidates must have a research plan with clear opportunities to involve undergraduates. The ideal candidate will have teaching experience and be able to teach introduction to environmental science, lower division earth science, GIS, and an upper division course in his or her area of expertise. For more information about our programs and faculty see <http://www.scu.edu/envs>.

Applicants should submit (1) curriculum vitae, (2) statement of teaching philosophy, (3) statement of research interests, and (4) statement describing experiences working or living with people of diverse cultures and identities and how such experiences enhance teaching and learning to the address below. OCT 05-265-1.

Apply: Physical Geography/Geology Search Committee, Environmental Studies Institute, 500 El Camino Real, Santa Clara University, Santa Clara, CA 95053. Please also arrange for three letters of recommendation to be sent to this same address. The application deadline is October 21,

2005. Santa Clara University is an Equal Opportunity/Affirmative Action employer committed to excellence through diversity, and, in this spirit, particularly welcomes applications from women, persons of color, and members of historically underrepresented groups. The University will provide reasonable accommodations to all qualified individuals with a disability.

***COLORADO, BOULDER 80309-0260.** University of Colorado. The Department of Geography. Tenure-track, **assistant professor in environment-society interactions**. Ph.D. required at time of appointment. Candidates should have research and teaching interests in human-environment relations with appropriate field experience. Interests in the human dimensions of global change, sustainable development, political and cultural ecology or environmental policy are desirable. The successful candidate will demonstrate strong research and teaching potential, and will be expected to contribute to the department's program at all levels from introductory courses to graduate seminars including rotation into the large introductory human geography classes. The University of Colorado, and other Boulder institutions, offer rich opportunities for interdisciplinary work in related fields.

The University of Colorado at Boulder is committed to diversity and equality in education and employment.

Send letter of application including statement of teaching and research interests, evidence of teaching ability, curriculum vita, and three letters of recommendation by November 15, 2005 to the address below. OCT 05-268-1.

Apply: Environment-Society Search Committee, Department of Geography, University of Colorado, 260 UCB, Boulder, CO 80309-0260. More information about the department is available at www.colorado.edu/geography.

COLORADO, COLORADO SPRINGS 80840. United States Air Force Academy. The Department of Economics and Geography seeks an **Assistant Professor of Geography** for a full-time civilian position beginning 7 July 2006. Teaching and research duties will require expertise in some combination of **Geographic Information Systems** and **Remote Sensing**. The selected person will also participate in curriculum development, mentor students, and guide applied research projects, as well as pursue their individual research agenda. Position and salary dependent upon qualifications. Ph.D. is required; ABD considered provided that the Ph.D. has been earned by the time of appointment. Send letter of

application, curriculum vitae, evidence of teaching and research excellence, and names and contact information for three references. Deadline 31 October 2005 for applications.

To view the complete listing of job requirements, qualifications, salary, and application procedures, please navigate to: http://www.usafa.af.mil/df/dfeg/employmenthome.cfm?catname=dfeg_SEP_05-183.

Apply to: 10 MSS/DPCO, ATTN: Ms. Kathy Wahler, #05-44BL, 8034 Edgerton Drive, Suite 100, USAF Academy, CO 80840-2205.

***COLORADO, DENVER 80208.** University of Denver. The Department of Geography seeks to fill two entry-level, tenure-track Assistant Professor positions:

1. **Human – environment interaction and/or natural resource management.** The successful candidate will be expected to teach introductory and advanced courses in natural resource management or human-environment interaction in support of the environmental science program, offer one or more courses involving the use and application of geographic information technologies (remote sensing or geographic information systems), and participate departmental service courses in support of the undergraduate general education curriculum.

2. **Urban and/or economic geographer** with expertise in geographic information science. Additional interests in globalization, and/or an international focus are encouraged. The successful candidate will be expected to teach urban geography (especially world cities), introductory human geography, advanced geographic statistics, one or more advanced courses involving geographic information technologies (spatial modeling, remote sensing or geographic information systems) in addition to foundational and other courses related to systematic interests.

Preferred candidates will complement the department's strengths in the areas of geographic information technology, a regional focus on Latin and/or Anglo America, and a strong orientation towards field work. The successful candidates will be expected to solicit extramural funding, maintain active research programs, and supervise graduate student research. PhD in geography or related discipline required by September 1, 2006.

The University of Denver is a mid-sized independent institution situated in Colorado's dynamic Front Range urban corridor. 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 cartography/photointerpretation 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.

Applicants should submit letter of application, statement of research interests, and curriculum vitae online at <http://www.dujobs.org>. In addition, applicants should submit teaching evaluations or other evidence of teaching quality and arrange to have three letters of recommendation sent under separate cover to the address below. OCT 05-239.

Apply: Dr. Michael J. Keables, Chair, Department of Geography, University of Denver, 2050 E. Iliff Avenue, Denver, CO 80208. Screening of completed applications will begin December 1, 2005 and will continue until the position is filled.

The University of Denver is an Equal Opportunity institution. It is the policy of the University not to discriminate in the admission of students, in the provision of services, or in employment, on the basis of race, color, religion, sex, national origin, age, marital or veteran status, sexual orientation, or physical or mental disability.

***FLORIDA, GAINESVILLE 32611-7315.** University of Florida, Department of Geography, Assistant Professor. The department seeks an **Economic Geographer** with specialty in regional economies and interests in human dimensions of environmental change, for appointment as a full-time (9-month, tenure track), Assistant Professor. Applicants must have a Ph.D. in Geography, Economics, Regional Science, or Environmental Science. Research expertise in spatial econometric analyses of human-environment interactions, spatial statistics, resource management and land-use planning, environmental assessment and modeling, economic analysis of environmental resources or issues, international or regional development, and ability to teach courses in these topics is desirable.

Interest in collaborative, interdisciplinary research with international emphasis is required. The academic appointment will be affiliated with the University of Florida Land Use and Environmental Change Institute (LUECI), and is part of an initiative by the College of Liberal Arts and Sciences to enhance its strengths in Ecology and Environment (CLAS E&E).

The successful candidate will work with other Geography Department Faculty, LUECI, and CLAS E&E affiliates to implement an externally funded and internationally recognized research program with emphasis in the southeastern United States, Latin America, Africa, or other tropical and subtropical areas. UF is highly supportive of multidisciplinary collaborations, and the department seeks a productive scholar who will work in an exciting teamwork-oriented setting that links empirical data to theory and complex models. Appointment will begin in August of 2006, and salary will be commensurate with rank and experience.

The University of Florida is an Equal Opportunity/Affirmative Action Employer. Qualified women, minorities, and individuals with disabilities are strongly encouraged to apply. The deadline for applications is 1 December 2005. Applicants should send a statement of current research interests and future plans, a current C.V., and the names and e-mail addresses of four references. OCT 05-255.

Apply: Dr. Tim Fik, Chair, Economic Geography Search Committee, Department of Geography, University of Florida, P.O. Box 117315, Gainesville, FL 32611-7315. E-mail applications to fik@geog.ufl.edu with documents embedded in the text or as attachments are encouraged.

***GEORGIA, CARROLLTON 30118-3100.** The Department of Geosciences at the University of West Georgia invites applications for a tenure-track Assistant Professor position starting August 2006. We seek a **Physical Geographer** with expertise in a sub-discipline such as biogeography, environmental geography, or climatology, and an **emphasis on GIS**. Applicants from other specialties with particularly strong records may be considered. Applicants should have Ph.D. in Geography, and an interest in teaching upper division courses in GIS and in their sub-specialty, as well as lower division physical geography courses. The selected candidate will be expected to develop an independent research program and to involve undergraduates in their research.

Applications should contain a cover letter and CV, statement of teaching philosophy and

research interests, transcripts, and names and contact information for three or more references. OCT 05-254.

Apply to: Andrew Ivester, Search Committee Chair, Department of Geosciences, University of West Georgia, Carrollton, GA 30118-3100 (aivester@westga.edu). Review of applications will begin on 1 December 2005 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. Assistant Professor – Physical/GIS. A Ph.D. in Geography or a related field is required. An outstanding ABD candidate may be considered. Primary teaching responsibilities include lower division world regional geography. The candidate will also contribute to an existing undergraduate GIS Science degree program and to the development of physical geography courses for a proposed undergraduate Geography degree. The candidate should have experience in incorporating GIS and remote sensing analyses for solving environmental problems. The successful candidate must demonstrate strong commitments to scholarship and to service, including a willingness to assist in program development. The ability to work effectively within a diverse, multi-disciplinary department is essential. The successful candidate must be available to teach some night and/or weekend classes.

For full application procedure, visit our website at www.kennesaw.edu. To ensure consideration, applications must be postmarked by October 15, 2005.

SEP 05-191.

GEORGIA, KENNESAW. Assistant Professor – Human Geography. A Ph.D. in Geography or a related field is required. An outstanding ABD candidate may be considered. Primary teaching responsibilities include lower division world regional geography and upper division human

geography courses (including urban and economic). The successful candidate must demonstrate strong commitments to scholarship and to service, including a willingness to assist in program development, including a proposed undergraduate Geography degree. The ability to work effectively within a diverse, multi-disciplinary department is essential. The successful candidate must be available to teach some night and/or weekend classes.

For full application procedure, visit our website at www.kennesaw.edu. To ensure consideration, applications must be postmarked by October 15, 2005.

SEP 05-192.

***GEORGIA, STATESBORO 30460.** The Department of Geology and Geography invites applications for a *tenure-track Assistant Professor in cultural geography*. A PhD in geography must be completed by the position starting date of August 1, 2006. Preference will be given to candidates who apply GIS to their research, and who have prior undergraduate teaching experience. Full text of the advertisement, including information about the department, faculty, and the complete position announcement with all qualifications and application instructions, is available at <http://cost.georgiasouthern.edu/geo/>.

Screening of applications begins December 1, 2005, and will continue until the position is filled. Applications and nominations should be sent to the address below. OCT 05-250.

Apply: Dr. Dallas D. Rhodes, Department of Geology and Geography, Georgia Southern University, P.O. Box 8149, Statesboro, GA 30460. Email: DRhodes@GeorgiaSouthern.edu.

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 search chair.

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** to begin August 16, 2006. This is a new "faculty hiring initiative" position that initiates a cluster hire in 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 should 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 November 1, 2005 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 05-184.

Please apply: Faculty Hiring Initiative Search Committee Chair, Department of Geography and Environmental Resources, Mail Code 4514, Southern Illinois University Carbondale, 1000 Faner Drive, Carbondale, IL 62901. Phone: 618/536-3375. 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, CHICAGO 60614.** The **International Studies Program** at DePaul University in Chicago is seeking to fill **two assistant professor positions** starting in fall 2006. The program is committed to hiring a diverse faculty to teach our multi-ethnic student body. Among our candidates, we encourage applications from scholars of color and women who can contribute to an interdisciplinary program that draws upon geography, sociology, anthropology, political science, legal studies and economics to study contemporary international affairs and global cultural processes. The BA program in international studies offers motivated undergraduates rigorous academic training that prepares them for advanced studies across a range of graduate or professional school disciplines. The MA program is geared toward students who desire to further careers in international civil society. The Program values outstanding teaching and innovative pedagogical

approaches. Cover letters should include a statement of teaching philosophy and evidence of (1) interdisciplinary work, (2) specialized training and scholarship that will strengthen or expand program curricula, especially in the fields of critical security studies, postcolonialism, and social theory, and (3) potential contributions to graduate student research skill development. Candidates must have a Ph.D. DePaul supports faculty in the development of research and teaching opportunities abroad. Please send all application materials to the address below. OCT 05-236-1.

Apply: DePaul University International Studies Program, 990 W Fullerton Ave, Suite 4100, Chicago, IL 60614, ATTN: FACULTY SEARCH. The deadline for applications is October 15, 2005. Further information about the program is available at our website: <http://condor.depaul.edu/~intstuds/>.

ILLINOIS, CHICAGO 60614. Depaul University, Department of Geography, Chicago, IL 60614. The Department of Geography announces a tenure-track position to begin in fall 2006. DePaul University has made a strong commitment to enhancing diversity among both faculty and students. We strongly encourage female candidates and candidates of color to apply for the position. DePaul University is an affirmative action and equal opportunities employer. DePaul University, located in the heart of America's most interesting city, is a "Research University II" which places great emphasis both on excellence in teaching and in sustained and superior scholarship. The Department of Geography, with seven full-time faculty, is based in Lincoln Park, one of several major University campuses in the Chicago metropolitan area.

Assistant Professor in Geography with expertise in Public Participation GIS. Secondary specializations or substantive interests can include some combination of environmental geography, environmental justice, or urban geography. In addition to offering courses in the existing Geotechnology curriculum, candidates should be prepared to develop courses in the area of urban environmental GIS or public participation GIS. The department is pioneering experiential teaching methods in urban GIS, and this position provides an ideal opportunity to participate in this initiative. Starting date for this tenure-track position is 1 September 2006. Candidates will need to have completed their doctoral degree by the time of employment. The Department has strengths in urban geography, critical cultural geography, social geography, geopolitics,

critical technology studies, GIS/remote sensing, geohydrology, and resource geography. In addition to courses that serve the general studies curriculum, the successful candidate will be expected to develop courses in their area of specialization.

Information about the Department can be found at gis.depaul.edu. Submissions should include (1) an academic CV, (2) a cover letter that addresses teaching and research interests, (3) three academic recommendation letters, (4) evidence of teaching excellence, and (5) up to two published papers. The Search Committee will start considering applications on 1 November 2005, and will consider applications until the position is filled. SEP 05-189.

Please direct your submissions to Geography Search 2005, Department of Geography, DePaul University, 990 West Fullerton Parkway, Chicago, IL 60614. Email submissions are welcome and encouraged. Please attach relevant documents as MS Word or PDF files. (E-mail: Dr. Patrick McHaffie, Geography Chair: pmchaffi@depaul.edu).

***ILLINOIS, NORMAL 61790-4400.** Illinois State University, Assistant Professor in Human Geography.

The Department of Geography-Geology at Illinois State University invites applications for a tenure-track position at the **Assistant Professor** level. We seek a human geographer with a research emphasis in **economic development** or **community and regional planning**. Also desirable are methodological foci on GIS and **spatial analysis**. The preferred starting date is August 16, 2006. A PhD at the time of appointment is required.

Our Department offers a BA/BS in Geography, a BS in Geology, and an MS in Hydrogeology. The successful candidate will teach general education, intermediate and advanced courses in his/her areas of interest. Illinois State and the Department of Geography-Geology place a strong emphasis on undergraduate education. The successful candidate must develop and maintain a coherent, externally supported research program leading to refereed publication. Collaboration with the Stevenson Center for Applied Community and Economic Development is possible.

Illinois State is a research intensive university enrolling approximately 20,000 students located in the Bloomington-Normal metropolitan area, which has 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, 2005, to ensure full consideration. OCT 05-262.

Apply: Dr. David Malone, Department of Geography-Geology, Campus Box 4400, Normal, IL 61790-4400. Telephone: (309) 438-2692, Fax: (309) 438-5310, Email: dhmalon@ilstu.edu. <http://www.geo.ilstu.edu/>.

Illinois State University is an Affirmative Action University encouraging diversity.

***INDIANA, TERRE HAUTE 47809. Ph.D. Research Assistantship:** The Department of Geography, Geology, and Anthropology at Indiana State University invites highly motivated individuals to join a research team focusing on the **study of urban environment and ecosystems**. Dr. Qihao Weng, Associate Professor of Geography and Director of Center for Urban and Environmental Change, has been awarded a three-year grant from National Science Foundation for a project entitled "Role of Urban Canopy Composition and Structure in Determining Heat Islands". This project will synthesize optical remote sensing of urban construction materials and structure, thermal remote sensing of land surface temperatures, and landscape ecology to establish a protocol for studying the interactions among urban surface biophysical characteristics, the thermal behavior of urban landscapes and urban heat islands through use of physical modeling, statistical, and fractal analysis.

The individuals are expected to have a strong quantitative background with a master's degree in Geography, Landscape Ecology, Environmental Sciences or related fields. Experiences with remote sensing, GIS, and spatial statistics are essential. Two doctoral students will be supported by the funding, with a good package of 12-month stipend, tuition waive, benefits, and travel support to professional conferences, and can start their program of study either fall 2005 or January 2006. Interested individuals please contact the address below. OCT 05-238.

Apply: Dr. Weng, Department of Geography, Geology, and Anthropology, Indiana State University, Terre Haute, IN 47809, USA. Phone: 812-237-2255. Fax: 812-237-8029. E-mail: geweng@isugw.indstate.edu.

IOWA, CEDAR FALLS 50614-0403. The University of Northern Iowa invites applications for the position of **Head of the Department of Geography**. The Department seeks applicants with a record of teaching and research qualifying them for appointment as **Associate or Full Professor** with tenure. The successful candidate will have the Ph.D. in Geography or in a related field; academic administrative experience, e.g. as

department head, program director, or in other leadership roles in academic programs; and experience of geographic research and teaching. The field of specialization is open. Salary is commensurate with qualifications and experience. Normally department heads teach one course in both the fall and spring semesters and one course during the summer session.

With this appointment the Department of Geography will consist of ten tenured and tenure-track faculty. The Department will move to new facilities in December 2005. The Department offers four versions of the undergraduate geography major: a general liberal arts program, an environmental emphasis, a geographic information sciences emphasis, and a secondary-level teacher education program. A certificate in cartography and geographic information systems (GIS) is also available. The Master of Arts degree is offered with emphases in sub-fields of geography including GIS, remote sensing, physical (fluvial and glacial geomorphology, soils), political, urban, transportation, economic, and geographic education. The Department anticipates continuing active participation in externally funded research projects. General information about the Department may be found at <http://fp.uni.edu/geography> or <http://fp.uni.edu/csbs>.

The University of Northern Iowa is one of three state-supported universities in Iowa with enrollment of about 12,800 students and approximately 640 full-time faculty. Throughout the past decade UNI has regularly been ranked in the top ten per cent of comparable institutions, public and private, in the Midwest. Cedar Falls has a population of 37,000, and the Waterloo/Cedar Falls MSA a population of approximately 160,000. The area has a full range of educational, cultural, medical and recreational programs.

This appointment will begin July 1, 2006. Applications received by Wednesday, December 21, 2005 will be given full consideration.

Nominations for the position are also welcome. Submit a letter of application, a statement outlining your view of academic leadership, and a curriculum vitae, as well as the names of three references. SEP 05-202-3.

Apply: Professor Thomas Fogarty, Chair, Geography Search Committee, College of Social and Behavioral Sciences, University of Northern Iowa, Cedar Falls, Iowa 50614-0403 (thomas.fogarty@uni.edu, 319-273-6158). Questions may be directed to the Search Committee Chair or to Professor David W. May, Interim Department Head (dave.may@uni.edu, 319-273-6059).

The University of Northern Iowa is an equal opportunity employer with a comprehensive plan for affirmative action.

***KANSAS, EMPORIA 66801-5087.** The Department of Social Sciences at Emporia State University invites applications for a tenure-track, **assistant professor** position beginning Fall, 2006. We seek a **human/cultural geographer**, regional specialty open. Teaching responsibilities include sections of World Regional Geography and upper-division undergraduate courses reflecting candidate's areas of expertise. Ability to teach introductory cartography and GIS applications required. Evidence of teaching excellence and strong scholarly potential also required. PhD required by time of appointment. Send letter of application, vita, unofficial transcripts, names and contact information for three references, and supporting documents to the address below. OCT 05-247.

Apply: Dr. Ellen Hansen, Search Committee Chair, Department of Social Sciences, Campus Box 4032, Emporia State University, Emporia KS 66801; e-mail: hansnel@emporia.edu; phone: 620-341-5462. Screening of applications will begin November 14, 2005, and continue until position is filled. An AA/EOE institution, Emporia State University encourages minorities and women to apply. www.emporia.edu/socsci/divis/htm Paid for by ESU.

***KANSAS, MANHATTAN 66506-2904.** The Kansas State University Department of Geography invites applications for a tenure-track **Assistant Professor** position beginning August 2006. For this new faculty line, we seek a geographer with expertise that might add new themes but also complements our existing areas of strength. Successful candidates will value diversity in all of its dimensions, employ cutting-edge geographical approaches in their research and teaching, and consider different technical and cultural perspectives in solving problems appropriate to a land grant institution. Visit <http://www.k-state.edu/geography/> for information about the department.

Candidates should have completed a Ph.D. by the time of the appointment, and be able to demonstrate the potential to develop a strong research program, including the pursuit of extramural research grants and collaborative research. Excellence in teaching and advising is expected. Candidates should have a commitment to work with a wide range of constituents and diverse student populations.

Submit an application letter that describes your qualifications and the contributions you

could offer to the department. Please also provide a curriculum vita, evidence of scholarship and teaching effectiveness, a plan for extramural funding, plus names and contact information for three referees. Review of applications begins 15 November 2005 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. OCT 05-258.

Apply to: Dr. Max Lu (maxlu@ksu.edu), Search Committee Chair, Department of Geography, 118 Seaton Hall, Kansas State University, Manhattan, KS 66506-2904.

KANSAS, MANHATTAN 66506-2904. Kansas State University invites applications for a tenure-track position at the **Assistant or Associate Professor** level starting August 2006. We seek candidates with expertise in the **spatial and geographic information sciences** to further strengthen internationally recognized initiatives in Agricultural Biosecurity, Bioscience, and Food Safety and Security. Successful candidates will value diversity in all of its dimensions, employ unique approaches in their research and teaching, and consider different technical and cultural perspectives to solving problems in these core areas. Social scientists whose research program emphasizes the spatial aspects of plant, animal, or human disease, rural social systems, agroecosystems, hazards, agricultural economics, or human-environment interactions are strongly encouraged to apply.

For consideration at the rank of assistant professor, candidates should have completed a Ph.D. by the time of appointment and be able to demonstrate a capability for effective geospatial instruction and the potential to develop a strong research program in our area of interest. For the associate rank, candidates must, in addition to the previous qualifications, have established a successful, and consistent, record of scholarly publications, grant awards, and teaching excellence commensurate with that of a tenured faculty member at a doctoral/research university. For both ranks, the expectation exists that candidates have experience working with a wide range of constituencies and diverse student populations. Teaching responsibilities are two courses per semester and will include GIS instruction at both the undergraduate and graduate levels. Evidence of, and a commitment to quality teaching, the pursuit of extramural research grants, and interdisciplinary collaboration are expected. This new faculty line supports the Kansas State University

Targeted Excellence program in GIScience Infrastructure Enhancement.

Send an application letter indicating whether you are applying for the assistant or associate professor position and describing your background, teaching qualifications, and research interests. Additional documentation to include are a curriculum vitae, evidence of scholarship and teaching effectiveness, and a list of names, addresses, and e-mail addresses of three referees to the contact person below. Review of applications begins October 24, 2005 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. SEP 05-217.

Apply to: Dr. John A. Harrington, Jr. (jharrin@k-state.edu), Search Committee Chair, Department of Geography, 118 Seaton Hall, Kansas State University, Manhattan, KS 66506-2904.

KENTUCKY, BOWLING GREEN 42101-1066. Western Kentucky University.

The Department of Geography and Geology invites applications for a **tenure-track position in Geography** beginning August, 2006. Ph.D. preferred, but exceptional ABD applicants will be considered. Demonstrated teaching and research expertise in **regional planning, urban development, GIS, and geostatistics** are required. Ability to teach research methods and a regional course highly desirable. Expertise in grant writing and administration preferable.

Send a letter of application, curriculum vitae, and the names of three references to the address below. SEP 05-197.

Apply: Search Committee Chair, Department of Geography and Geology, Western Kentucky University, 1906 College Heights Blvd #31066, Bowling Green, KY, 42101-1066. Review of applications will begin November 15, 2005, and will continue until the position is filled. Detailed information about the Department is available online at www.wku.edu/geoweb/. Western Kentucky University is an EO/AA employer and strongly encourages applications from women, racial and ethnic minorities, and persons with disabilities.

***LOUISIANA, BATON ROUGE.** Professor/Chair, Department of Geography and Anthropology.

The Department of Geography and Anthropology, Louisiana State University and A & M College seeks a Chair to lead the department. Applications and nominations are invited for the

appointment of a senior person at the rank of Professor with tenure to serve as departmental chair. Salary will be competitive and based on the candidate's qualifications. Required Qualifications: Ph.D. in Geography, Anthropology, or a related discipline; proven record in research and teaching. Specific area of research interest and teaching is open. Additional Qualification Desired: effective administrative experience.

Faculty and students carry out fieldwork around the world from a broad range of theoretical perspectives. Geography and Anthropology faculty cover the sub-areas of each discipline: human geography, physical geography, and mapping sciences, and cultural anthropology, archaeology, biological anthropology, and linguistics. Faculty and graduate students are active in collaborative and interdisciplinary research with support from diverse funding bodies.

The department has a long history of excellence in undergraduate and graduate education, and houses many research, teaching, and service laboratories and faculty are active in many interdisciplinary studies efforts. See the departmental website at www.ga.lsu.edu for more details.

The department is located in the College of Arts and Sciences and is currently seeking to enhance the research component of all of its degree programs as part of the University's Flagship Agenda. The department faculty includes twenty-seven tenure-track faculty and nine staff and offers Geography (B.A., B.S., M.A., M.S., and Ph.D.) and Anthropology (B.A. and M.A.) degrees. There are 230 undergraduate majors, 68 master's students, and 49 doctoral students. The Baton Rouge campus has a total enrollment of approximately 31,500 students on the Baton Rouge campus. The LSU website www.lsu.edu provides additional information on the University.

Applications will be reviewed beginning November 1, 2005; applications will be accepted thereafter until candidate is selected. An offer of employment is contingent upon a satisfactory pre-employment background check. Please mail a letter of application and curriculum vita (including e-mail address) to the address below. OCT 05-263.

Apply: Dr. John C. Pine, Interim Chair, Department of Geography and Anthropology, Louisiana State University, Ref: Log #0413, Baton Rouge, LA 70803. E-mail: jpine@lsu.edu.

LSU is an equal opportunity/equal access employer.

***MAINE, FARMINGTON, 04938.** University of Maine at Farmington, Maine's public liberal arts college, invites applications for a tenure

track position at the **Assistant Professor** level. The Geography program values its tradition of field-based, experiential education, working relationships with community organizations and state agencies, and civic engagement. **Areas of interest may include, but not be limited to, political ecology, international or community development, geovisualization, or social movements.** Our main priority is to find a colleague who can complement the program's existing strengths in economic and community development, health and environment, local and regional planning, GIScience, and cultural and historical geography. An earned Ph.D. in Geography is preferred, and required for tenure; ABD candidates near completion may be considered at the instructor level. UMF's small campus and collegial academic atmosphere afford numerous opportunities for multidisciplinary research and teaching. The normal teaching load is three, 4-credit courses per semester. A strong commitment to teaching in general education, scholarship/research activity and community service is expected.

Review of applications begins December 1, 2005, with the position starting September 1, 2006. Please submit a letter that describes teaching and research interests, curriculum vita, three letters of recommendation, and teaching evaluations or other supporting materials to the address below. OCT 05-260.

Apply: Brad Dearden, Search Committee Chair, UMF, 270 Main Street, Farmington, ME 04938. Phone: 207-778-7439. E-mail: brad.dearden@maine.edu. www.umf.maine.edu AA/EEO.

***MASSACHUSETTS, SPRINGFIELD.** GIS Coordinator/ Geographer (Urban)

The Town of West Springfield, MA seeks a qualified individual to support GeoDatabase, analyze GIS data, manage parcel information, customize GIS application, web applications on Linux, support Database/ArcGIS integration with ArcGIS, GeoCoding, Network Models, linear referencing, ArcIMS, GPS, MS-Office, ArcObjects, VB, SQL, XML/Java, develop GIS standards, coordinate GIS projects, train personnel, and manage & budget GIS resources.

BA/BS in Geography, Urban Planning or related field and 2 years experience. OCT 05-245-1.

Submit resume to: HRD, 26 Central St, W Springfield, MA 01089. AA/EOE.

MISSOURI, KANSAS CITY 64110-2449. University of Missouri-Kansas City Assistant

Professor, Tenure-Track, Urban Planning and Design.

The University of Missouri-Kansas City is seeking applications for an innovative, energetic and visionary colleague to serve as Assistant Professor of Urban Planning and Design in the Department of Architecture, Urban Planning and Design. We are looking for candidates with experience in planning support systems and GIS in combination with another planning specialization such as transportation, real estate, housing, physical planning or urban design. We expect candidates to either have a PhD in Urban Planning or Geography, or have a terminal degree in a design profession such as Architecture or Landscape Architecture.

The Urban Planning and Design BA degree at UMKC is a studio-based program within a liberal arts framework. We engage and use the greater Kansas City community as our laboratory. UMKC is a comprehensive research university exemplifying the values of academic excellence, innovation, accountability, diversity and collaboration.

Contact: Applications should include: 1) a letter of interest; 2) a curriculum vitae; 3) three references with address, phone, and e-mail; 4) writing sample and/or portfolio. Materials should be sent to the address below. SEP 05-209.

Apply: Search Committee, Department of Architecture, Urban Planning & Design, 213 Epperson House, University of Missouri-Kansas City, 5100 Rockhill Rd., Kansas City, MO 64110-2449. Tel.: 816-235-1725; fax 816-235-5226.

Application Deadline: Review of applications will begin November 1, 2005. Applications will be accepted until the position has been filled. Appointment will be made pending the availability of funding. We will set up informational interviews at the national conferences in October for URISA and ACSP in Kansas City. UMKC is an equal opportunity educator and employer.

MISSOURI, SPRINGFIELD 65804. Missouri State University. The Department of Geography, Geology and Planning invites applications for **Director of Graduate Studies**. Appointment will be at the rank of Associate Professor or Professor, commensurate with experience, and will begin August 2006. Ph.D. in geography is required. Experience with supervision of geography Ph.D. students, evidence of teaching effectiveness, record of sustained research productivity, and demonstrated leadership ability are required. Experience as graduate studies program director (or equivalent position) in a department with a successful Ph.D. program in geography is desired.

The successful candidate would be expected to assume the responsibilities of directing our existing M.S. program in geospatial science and, in collaboration with ten full-time Ph.D. geography faculty members already on staff, develop a viable Ph.D. program in geography. The successful candidate would also be expected to teach graduate and undergraduate courses, advise graduate and undergraduate students, and conduct research in his/her area of geographic specialty.

Applicants should submit a letter of interest and current curriculum vitae and arrange for three reference letters and copies of all academic transcripts to be submitted to the address below. SEP 05-181.

Apply: Search Committee, Department of Geography, Geology and Planning, Missouri State University, 901 South National, Springfield, MO 65804. The evaluation of applications will begin October 21, 2005 and will continue until a successful candidate is found. Further information can be obtained at (417) 836-5801 or fax to (417) 836-6006, or visit our web site at geosciences.smsu.edu. Women and minority candidates are encouraged to apply. EO/AA employer.

NEVADA, LAS VEGAS 89119. HDR Engineering, Inc., has an 88 year history of providing innovative, environmentally conscientious and cost effective engineering solutions to clients. With more than 4,000 employees in over 100 offices, our continued success has created an opportunity for a **GIS Specialist** in our Las Vegas office. Requires a Bachelor's degree in Geography or other related field. 0-2 years of GIS experience. Experience with ESRI ArcGIS 9.0 and other applicable GIS software. Experience with GPS equipment and/or interpreting aerial photography a plus.

To learn more about HDR, visit our website at www.hdrinc.com and apply to Job #051748 or mail resume and cover letter to the address below. SEP 05-218.

Apply: Sloan Anderson, HDR Engineering, Inc., 770 E. Warm Springs Road, Suite 360, Las Vegas, NV 89119 Fax: (402) 399-1214 EOE M/F/V/D.

***NEW HAMPSHIRE, HANOVER 03755-3571.** The Department of Geography (www.dartmouth.edu/~geog) at Dartmouth College seeks a scholar to fill a tenure-track **Assistant Professor** position to begin in Fall 2006. We aim to appoint an individual committed to innovative scholarship and teaching in **Human Geography** to complement and augment

departmental existing strengths in Development, Gender, Immigration, Critical Urban Studies, Political Ecology, and Human Dimensions of Global Change. Candidates should hold a Ph.D. or be in the final stages of a Ph.D. program. Application review will begin December 1 and will continue until the position is filled. Please send letter of application, e-mail address, C.V., reprints, and names/e-mail addresses of three referees.

Dartmouth is an outstanding research institution where significant start-up awards are provided to every junior faculty member, and faculty colleagues are expected to be scholar-teachers of the highest caliber. Dartmouth has an even distribution of male and female students, and almost a third of its undergraduate students are members of minority groups. Dartmouth is committed to diversity and encourages applications from women and minorities. Dartmouth College is an Equal Opportunity, Affirmative Action employer. OCT 05-270-3.

Apply: Mona Domosh, Search Committee Chair, Department of Geography, 6017 Fairchild Hall (e-mail: geography@dartmouth.edu).

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, 2006. Expertise in hydrodynamics, hydroclimatology, or water quality issues, and research and teaching capability 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 <http://www.csam.montclair.edu/earth/eesweb>. 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. SEP 05-215.

Apply: Dr. Duke Ophori (ophorid@mail.montclair.edu), Hydrology Search Committee Chair, 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, BUFFALO 14261.** The University at Buffalo, Department of Geography is accepting applications for consideration for three faculty positions as follows:

Position 1: Assistant Professor, Medical Geography

The successful candidate is expected to: (1) be a Geographer with expertise and interest in the field of medical geography and have a research emphasis on one or more of the following aspects of medical geography: public health and health policy; urban health; health and society; health informatics; health-care delivery; aging and the aged; pollution and biohazards; emerging infectious diseases; and/or environmental epidemiology; (2) work collaboratively with other researchers in the School of Medical and Biomedical Sciences, the School of Nursing, and the new School of Public Health as well as other research units and departments at UB. (3) develop new courses in this topic area

Position 2: Assistant/Associate Professor, International Business

The successful candidate is expected to: (1) conduct research and teach in areas such as international trade, foreign direct investment, globalization, regional economic development, political economy, business geography, or related fields. (2) have research or teaching interests in local, regional, or global aspects of international business activity. We will consider candidates with research interests in trade, investment, economic development, globalization, political economy, or business geography, and teaching interests in international business at any spatial scale.

Position 3: Assistant Professor, Urban and Regional Analysis

The successful candidate is expected to be a Geographer with expertise and interest in urban and regional studies, especially the dynamics of change in urban and regional systems, urban growth and decline, community development, metropolitan land use, infrastructure and accessibility, sustainability, social dimensions of information and communication technologies. GIS proficiency is preferred

Additionally, successful candidates for all positions: (1) must have a Ph.D. in Geography or a related discipline; (2) must have a strong academic record and demonstrate a potential for excellent research and teaching; (3) will have primary responsibility for conducting research, providing graduate and undergraduate instruction, and supervising graduate student research in their area; (4) are expected to develop an externally funded research program based on scholarship and high-quality journal publications and publish articles in peer-refereed journals; and (5) will be expected to work collaboratively with other research units and departments at UB.

All positions have a start date of August, 2006. Salary is negotiable. OCT 05-244-1.

Apply to: Mr. Joseph Murray, the Geography Dept., SUNY @ Buffalo, 105 Wilkeson Quad., Buffalo, NY 14261-0055.

Specific position applied for must be noted. Deadline for application is October 15, 2005 or until filled.

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

***NEW YORK, HAMILTON 13346.** Colgate University. Full-time tenure-track appointment at the **Assistant Professor** rank effective Fall 2006. PhD required, although a doctoral candidate could be appointed contingent upon completion of the PhD by the time of appointment. We seek a geographer with research and teaching interests in **urban environmental issues**, who is trained in the nature-society tradition of the discipline and brings an international perspective to her/his work. The successful candidate can anticipate teaching regularly an introductory-level course in environmental geography and upper-level courses on the urban environment and in the candidate's area of expertise. The successful candidate will be expected to contribute to existing departmental strengths in analytical skill development and will have the opportunity to contribute to all-university programs such as the Environmental Studies Program, the Liberal Arts Core Curriculum and/or a regional studies program (e.g., Asian, Middle Eastern, African, Native American and/or Latin American Studies).

With 2,800 students and more than 250 faculty members, Colgate University combines the intimacy of a liberal arts college with the breadth and depth of a research university. Salaries and benefits are competitive and research and travel funding is available to all faculty. The Geography Department has six full-time faculty members and contains a well-equipped GIS lab with lab technician support. For additional information see the Geography Department webpage (<http://departments.colgate.edu/geography>). Colgate University is an Equal Opportunity Affirmative Action Employer. Developing and maintaining a diverse faculty and staff further the University's academic mission. Women and minorities are encouraged to apply.

Send CV, email address, a detailed statement of professional experience as well as research and teaching interests, and three letters of recommendation to the address below. OCT 05-243-1.

Apply: Maureen Hays-Mitchell, Search Committee Chair, Department of Geography, 13

Oak Drive, Hamilton, New York 13346. Tel: 315-228-7251, Fax 315-228-7726, Email: mhaysmitchell@mail.colgate.edu. A review of applications will begin on November 1, 2005.

***NORTH DAKOTA, GRAND FORKS 58202-9020.** University of North Dakota. The Department of Geography seeks an **economic geographer** with teaching and research interests in economic development, regional economies, or globalization processes at the rank of **Assistant Professor** beginning 16 August 2006. The successful candidate will be expected to teach undergraduate geography courses satisfying our general education requirements, economic geography, and other courses reflective of their research expertise in the department's Community and Urban Development track. A teaching and research interest that would help internationalize our departments focus is preferred. An applicant also able to offer technical courses in either advanced GIS or Cartography is desired. A Ph.D. at 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 7 December 2005 (or until position is filled) to the address below. OCT 05-229.

Apply: Search Committee, Department of Geography, Box 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, CINCINNATI 45221-0131.** University of Cincinnati. The Department of Geography invites applicants for a one year visiting **Assistant Professor** position beginning September, 2006. The Department seeks applicants with teaching/research interests in **Economic Geography/Location Theory** and a regional interest in Europe. Strong background in quantitative methods required. PhD required.

The Department of Geography offers undergraduate and graduate degrees (M.A., Ph.D.), and is an active participant in the University's General Education and Globalization programs. The successful candidate is expected to teach economic and related geography courses, Introductory World Regional (Europe)

Geography, and graduate seminars (Location Theory). We seek a candidate committed to research, external grant activity, and interested in building an undergraduate and graduate program. OCT 05-232.

Apply: Chair, Geography Search Committee, Department of Geography, University of Cincinnati, Cincinnati, OH 45221-0131. Include letter outlining research interests and teaching experience, reprints, and three letters of recommendation. Deadline, December 12, 2005. The University of Cincinnati is an Equal Opportunity/Affirmative Action Institution. Further information about the department is available at <http://www.geography.uc.edu>, or by contacting selyarm@uc.edu.

***OHIO, KENT 44242.** The Department of Geography at Kent State University invites applications for an **Assistant or Associate Professor in Geographic Information Technology**. Pending final budgetary approval, this position is expected to begin in August 2006. We are interested in candidates who will establish a strong research and teaching program that applies geographic information technology to their specialty areas. The successful candidate must have Ph.D. in Geography or closely related field at time of appointment. A record of external research funding is an asset. Successful candidates will typically teach two courses per semester, advise and serve on advisory committees of M.A. and Ph.D. students, pursue external research funding, and publish on their research findings.

The Department of Geography at Kent State University represents a wide array of fields in human geography, physical geography, and Geographic Information Technology. We are dedicated to excellence in research and teaching. Facilities include three teaching labs that contain over seventy highend PCs and UNIX servers equipped with the most up-to-date GIS, remote sensing and mapping software. Other facilities include a physical geography lab, and several research labs such as the Atmospheric Science Lab, the Earth Science Research Lab, and the Applied Geography Lab. We also promote collaborations across disciplines within and outside the university. Further information on the department can be found at: <http://www.kent.edu/geography>.

Interested candidates should submit a letter of application including a detailed statement of research interest, an up-to-date curriculum vita, evidence of teaching experience, sample publications and names of three references to the address below. OCT 05-253.

Apply: Dr. Mandy Munro-Stasiuk, Chair of the GIT Search Committee, Department of Geography, Kent State University, Kent, OH 44242. Review of applications will begin December 1, 2005 but applications will be accepted until the position is filled.

Kent State University is an equal opportunity employer. Women and minority applicants are encouraged to apply.

***OKLAHOMA, NORMAN 73019.** The Department of Geography at the University of Oklahoma invites applications for a tenure-track faculty position at the **Assistant or Associate Professor** level beginning in August, 2006. The Department seeks a geographer with expertise in **remote sensing as applied to natural hazards, water resources, environmental modeling, land use/land cover change, climate change, or related areas**. Ph.D. degree in geography or related field required at the time of appointment. The successful candidate will have a strong record of or demonstrate strong potential for effective teaching, research publication, and ability to obtain external research funding.

The Department houses the Center for Spatial Analysis, and the University is an active member of University Consortium of Geographic Information Science (UCGIS) and offers a wide range of opportunities for collaborative research with the National Weather Center Programs, the Oklahoma Climate Survey, the Oklahoma Biological Survey, and the Oklahoma Archaeological Survey. The successful candidate will play a key role in developing research and teaching programs in collaboration with colleagues in the Department, the Center for Spatial Analysis, the National Weather Center, and other units on campus. Please check the World Wide Web for additional information about the Department (<http://geography.ou.edu>), the Center for Spatial Analysis (<http://www.csa.ou.edu>), the National Weather Center (<http://nwc.ou.edu>), and other units.

In their letters of application, applicants should include concise reviews of their teaching experience and research accomplishments along with statements of how their research plans fit within the missions and goals of the Department and the University. The application package should include the applicant's c.v. and two samples of the applicant's research. Names and contact information for three referees must be included in the application package. The University of Oklahoma is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply. Review of

applications will begin October 21, 2005 and continue until the position is filled. OCT 05-257.

Apply: Dr. Fred M. Shelley, Chair, Department of Geography, University of Oklahoma. Norman, OK 73019. fshelley@ou.edu.

OKLAHOMA, STILLWATER 74078-4073. Oklahoma State University. The Department of Geography invites applications for a tenure-track **Assistant Professor** beginning in the Fall Term of 2006. The Department is searching for a geographer specializing in **Cultural/Historical Geography**. A regional specialty in Asia or Africa would be preferred. A PhD in Geography or closely related field at the time of appointment is expected. The successful candidate will be responsible for teaching introductory and intermediate courses in Cultural Geography and possibly a graduate level Cultural and Historical Geography Seminar. Other course offerings could include a regional geography course related to the specialty area of the applicant. The successful candidate will be expected to develop an excellent instructional program and research agenda in their area of interest and in support of the departmental mission.

OSU Geography is a doctoral-granting department housed in the College of Arts and Sciences and currently has 13 tenure-line faculty positions, 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, curriculum vitae, and three letters of reference by November 1, 2005. Women and minority candidates are strongly encouraged to apply. EO/AE. SEP 05-206.

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 in the Fall Term of 2006. The Department is searching for a geographer specializing in **Cultural Ecology and Field Methods**. Secondary specialties in Latin America and/or GIS are desirable. A PhD in Geography or closely related field at the time of appointment is expected. The successful candidate will be responsible for teaching a Field

Methods course, Cultural Ecology, World Regional Geography, and possibly courses in Latin America and introductory GIS. The Field Methods course is oriented to the use of GPS and other field-based technology used in geographic research. The successful candidate will be expected to develop an excellent instructional program and research agenda in their area of interest and in support of the departmental mission.

OSU Geography is a doctoral-granting department housed in the College of Arts and Sciences, and currently has 13 tenure-line faculty positions, 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, curriculum vitae, and three letters of reference by November 1, 2005. Women and minority candidates are strongly encouraged to apply. EO/AE. SEP 05-207.

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 in the Fall Term of 2006. The department is searching for a geographer with a focus in **Environmental Geography/Resource Management**. Secondary specialties in energy issues, water resource management, and/or applied remote sensing are highly desirable. A PhD in Geography or closely related field at the time of appointment is expected. This is a new tenure-track position created to augment and support an existing specialty area in Resource Management and broaden the 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 and labs in both energy and water resources. The successful candidate will be expected to develop an excellent instructional program and research agenda in their area of interest and in support of the departmental mission.

OSU Geography is a doctoral-granting department housed in the College of Arts and Sciences, and currently has 13 tenure-line faculty positions, 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 roughly 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, curriculum vitae, and three letters of reference by November 1, 2005. Women and minority candidates are strongly encouraged to apply. EO/AE. SEP 05-208.

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, CORVALLIS 97331-5506.** **Program Coordinator - Distance Education and Research Experiences for Undergraduates (REU),** Oregon State University, Corvallis, Oregon. The Department of Geosciences and the College of Oceanic and Atmospheric Sciences (COAS) invite applications for a full-time, 12-month, fixed term, non-tenure-track Program Coordinator. Applicants must have an M.S. (Ph.D. preferred) in physical geography, geology, marine science or a closely related field, with demonstrated experience in the development and delivery of distance education courses. A demonstrable commitment to promoting and enhancing diversity is preferred. We seek an outstanding teacher and scholar who will develop, deliver and coordinate our distance education courses through Extended Campus and will support our research and outreach in the areas of geohazards, GIS, oceanography and atmospheric science. This individual will also coordinate and supervise a joint COAS-Geosciences REU program, and develop new REU programs integrated with other OSU units. The successful candidate will have the opportunity to participate in externally-funded research programs in geosciences, that complement the existing areas of expertise in the Department of Geosciences and COAS. Reappointment is at the discretion of the department Chair. For more information on the Department of Geosciences and COAS see <http://www.geo.oregonstate.edu/research/deptresearch.htm> and <http://www.coas.oregonstate.edu>. OSU is an AA/EOE.

Submit a letter of application describing your research interests, teaching experience, qualifications for this position, CV, and the names of three references (with contact information) to the address below. OCT 05-226-1.

Apply: Dr. Roger Nielsen, Chair, Search Committee, Dept. of Geosciences, 104 Wilkinson Hall, Corvallis, OR 97331-5506. Fax: 541-737-1200, Voice: 541-737-1235. E-mail: petersom@geo.oregonstate.edu. For full consideration, apply by November 1, 2005.

OREGON, EUGENE 97403-1251. University of Oregon. We invite applications for two **tenure-track Assistant Professor** positions beginning September 2006. **Position 1.** Geographer whose interests focus on biogeography and long term environmental change. Preference will be given to applicants who are actively engaged in 1) advancing understanding of long-term (decadal-to-millennial) environmental change in biotic systems at landscape and broader scales, and 2) using techniques such as proxy indicators (pollen, paleolimnological indicators, tree-rings), analysis of biogeochemical cycles, and/or modeling. Specific duties include teaching courses in physical geography and the topical field of specialization.

Position 2. Geographer with a regional focus on Asia and topical interests in **political economy**. Preference will be given to applicants who specialize in 1) East or Southeast Asia, and 2) the changing geography of production, consumption, and wealth, as well as associated political/cultural dynamics, from regional to global scales. Specific duties include teaching courses in human geography, the regional geography of Asia, and the topical field of specialization.

Applicants for either position should be capable of maintaining a strong program of research and publication, supervising masters and doctoral students, and should have a demonstrated interest in contributing to a program that fosters links between human and physical geography. Ph.D. must be in hand by September 2006. Complete position announcements available at <http://hr.uoregon.edu/jobs>. Send letter of application that details research and teaching interests, professional accomplishments, and future research plans; curriculum vitae; and the names and contact information (not letters) of exactly three referees. No electronic applications. EO/AA/ADA institution committed to cultural diversity. We invite applications from qualified candidates who share that commitment and from members of underrepresented groups. To assure full consideration, applications must be received by October 21, 2005. Send materials to the address below. SEP 05-210.

Apply: Search Committee Chair, Department of Geography, University of Oregon, 107 Condon Hall, 1251 Univ. Oregon, Eugene OR, 97403-1251.

***PENNSYLVANIA, UNIVERSITY PARK 16802.** Tenure track faculty position for an **Assistant or Associate Professor in GIScience** specializing in geographic information science (GIScience). We are interested in candidates who will further strengthen the Department of Geography's teaching and research program. GIScience in the department is coordinated through the GeoVISTA Center (www.geovista.psu.edu), a departmental GIScience/Geovisualization unit involving five associated departmental faculty and nine faculty affiliates from departments across the University Park campus. Candidates with research expertise in any area of GIScience--theoretical to applied--will be considered. A willingness to participate as an instructor and/or advisor in the online Masters of Geographic Information Systems (MGIS) graduate degree program is desirable (www.e-education.psu.edu/gis). Excellence in teaching, research, and service is expected, as is the development of an extramurally funded research program. Applicants should submit: 1) a letter describing how they would contribute to the Department's teaching and research program; 2) a complete curriculum vitae; 3) a maximum of five reprints; and 4) the names and addresses (including e-mail and fax) of three to five referees. Review of applications will begin October 1, 2005, but applications will be accepted until the position is filled. Applications from women and under represented groups are encouraged. OCT 05-248.

Apply: Dr. Alan H. Taylor, Chair, Search Committee, Department of Geography, The Pennsylvania State University, Job #A-19886, 302 Walker Building, University Park, PA 16802; Phone: (814) 865-3433; Fax: (814) 863-7943; E-mail: ah1t@psu.edu. Penn State is committed to affirmative action, equal opportunity, and the diversity of its workforce.

PENNSYLVANIA, UNIVERSITY PARK 16802.

The Department of Geography at The Pennsylvania State University invites nominations and applications for the position of **Department Head**. The Department seeks a dynamic and innovative leader who is dedicated to promoting excellence in our teaching, research and service programs. The successful candidate should have a broad vision for the Department and be committed to enhancing the strength and cohesiveness of its programmatic areas. The candidate is expected to contribute to College-wide initiatives to enhance the focus on students, to increase our diversity, and to advance the capabilities of our programs to perform cutting-edge research. The candidate should demon-

strate an exceptional record of scholarship and be qualified for appointment with tenure. Previous administrative and management experience is desirable. Women and members of under-represented groups are encouraged to apply. The position is open to any area of research interest within Geography.

The Department (www.geog.psu.edu) has a broad range of resident and distance education programs (including the on-line World Campus Certificate Program in GIS (www.worldcampus.psu.edu/wc) and the on-line Masters in GIS Program (www.geog.psu.edu/grad), significant funded research programs, and a series of research centers (including the GeoVISTA Center (www.geovista.psu.edu), the Cooperative Wetlands Center (www.geog.psu.edu/wetlands), and the Vegetation Dynamics Laboratory (www.geog.psu.edu/vegdyn). The Department has strong ties to a range of programs across campus including the Department of Women's Studies, the Penn State Institutes of the Environment, and the Ecology Program.

Applicants should submit: 1) a letter describing how they would lead the Department and contribute to its teaching and research program; 2) a complete curriculum vitae; 3) a maximum of five reprints; and 4) the names and addresses (including e-mail and fax) of three to five referees. Review of applications will begin October 15, 2005, but applications will be accepted until the position is filled. SEP 05-220.

Apply: Dr. William H. Brune, Chair, Search Committee, Department of Meteorology, The Pennsylvania State University, Pos #: 503 Walker Building, University Park, PA 16802 Phone: (814) 865-0478; Fax: (814) 865-3663; E-mail: brune@essc.psu.edu. Penn State is committed to affirmative action, equal opportunity, and the diversity of its workforce.

RHODE ISLAND, PROVIDENCE. Two positions. Associate Director, Spatial Structures in the Social Sciences.

The position of Associate Director of the research initiative on Spatial Structures in the Social Sciences is a renewable, non-tenure-track, academic year position, with potential for additional summer salary from external grants. It is expected that it will initially be filled through a two-year appointment to Brown's Population Studies and Training Center at the rank of Assistant Professor (Research).

The Associate Director will participate in the development and execution of new research projects involving scholars in multiple disciplines, and will have primary responsibility

for coordination of a series of colloquia, workshops and clinics designed to introduce faculty and students to tools of spatial analysis. More information on the program is available at <http://www.s4.brown.edu>. Candidates should have a Ph.D. in hand or firmly expected by December 2005 and should show promise of significant scholarship and ability to provide instruction in methods of spatial analysis.

Postdoctoral Research Associate

The Postdoctoral Research Associate will initially be appointed for a one-year term that may be renewed for a second year. Candidates should have a Ph.D. in hand or firmly expected by December 2005.

The Research Associate will participate in a variety of research projects supported by the University's initiative on Spatial Structures in the Social Sciences and by external grants. Current studies include residential and labor market incorporation of immigrants and minorities in U.S. cities, school segregation and its impacts on student outcomes, and political participation by immigrants. Candidates should have experience working with census data and similar large-scale datasets; knowledge of mapping and spatial analysis tools is desirable.

Scholars appointed through these two searches will also be affiliated with the Population Studies and Training Center (www.pstc.brown.edu), and will have access to the considerable PSTC research infrastructure.

Salary will depend on the experience/credentials of the appointee and will include health benefits. Applications should be sent to the address below. SEP 05-193.

Apply: Dr. John Logan, Population Studies and Training Center, Box 1836, Brown University, Providence, RI 02912-1916.

Submit a cover letter, a curriculum vitae, a copy of up to three publications or working papers, and names/contact information for three persons who can comment on qualifications for this position. Applications will be accepted until the position is filled but to guarantee full consideration a candidate should apply by August 1, 2005.

*Brown University is an Affirmative Action/Equal Opportunity Employer.

TENNESSEE, MEMPHIS 38152. The Department of Earth Sciences at the University of Memphis invites applications for a tenure-track **Associate Professor** in its Geography Program beginning August 2006. Ph.D. is required. We seek a candidate whose research centers on **human-environment**

interactions with remote-sensing applications to communities/societies. Teaching responsibilities would include human geography and techniques courses. Review of applications will begin October 1, 2005, and may continue until the position is filled. The University of Memphis is an Equal Opportunity/Affirmative Action employer that strives to increase its ability to serve a diverse student population by enhancing its diverse faculty and staff. Visit our web site at <http://des.memphis.edu>. Interested individuals should submit a letter of application which describes their background and research interests as well as the effectiveness of their teaching and grantmanship. This letter, a curriculum vitae, and the names and addresses of three referees with their e-mail addresses and telephone numbers should be submitted to the address below. SEP 05-213.

Apply: Dr. Thad Wasklewicz, Search Committee Chair, Department of Earth Sciences, 001 Johnson Hall, University of Memphis, Memphis, TN 38152; Telephone 901-678-4452; Fax 901-678-2178; E-Mail twsklwc@memphis.edu.

TEXAS, AUSTIN 78712. University of Texas at Austin: South Asian Environmental Science

The South Asia Institute invites applications for a **tenured or tenure-track appointment in the ecology, geography, hydrology and/or climatology of South Asia** with special emphasis on contemporary human-environmental interactions. The successful candidate will be appointed in the department most compatible with her or his disciplinary focus. S/he will be expected to foster interdisciplinary studies through active participation in the work of the South Asia Institute, which is a Title VI National Resource Center. The appointment is contingent on budgetary approval. Duties will include undergraduate and graduate teaching, research on South Asian environmental issues, as well as service both to the institute and to the department in which the appointment is made. Applicants for a tenured appointment as Professor or Associate Professor must have an outstanding record of research and teaching. Applicants for a tenure-track appointment as Assistant Professor must hold a Ph.D. by the time of appointment. The deadline for applications is December 1, 2005. Applicants for a tenured appointment are asked to send a letter of interest, a CV, and the names and addresses of three referees to the address below. SEP 05-204.

Apply: Professor James Brow, The South Asia Institute, WCH 4.132, 1 University Station G9300, The University of Texas at Austin, Austin, TX 78712. Applicants for a tenure-track

appointment are asked to send in addition examples of scholarly work and teaching materials. UT-Austin is an AA/EEO employer.

TEXAS, COLLEGE STATION 77843-3147. Texas A&M University. The Department of Geography (<http://geog.tamu.edu>) invites applications for a tenure-track **Assistant Professor** position specializing in **Human-Environment Relations** to begin in January or September 2006. appointment at a senior level is possible for an outstanding candidate. We seek a scholar with research interests in political ecology, environmental decision-making, environmental governance, or human dimensions of environmental change in urban or rural contexts. This position is one of six faculty hires in a College of Geosciences' environmental program initiative. The successful candidate will collaborate with faculty in the strong and growing programs in land use and land cover change, political ecology, biogeography, geomorphology, and water resources. Outstanding opportunities exist for collaboration with other departments, research units, and interdisciplinary initiatives within the College of Geosciences (e.g., the departments of Atmospheric Sciences, Oceanography, and Geology and Geophysics, the Sustainable Coastal Margins Program, <http://geosciences.tamu.edu>), and the University (e.g., the Departments of Sociology and Forest Science, and the George Bush School of Government and Public Service). 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 a vigorous externally funded research program. 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. SEP 05-185.

Apply: Professor Andrew Millington, Search Committee Chair. Review of applications will begin on October 17, 2005, and will continue until the position is filled. Texas A&M University is an Affirmative Action/Equal Opportunity Employer. The 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, KINGSVILLE 78363.** GIS/Remote Sensing, Texas A&M University-Kingsville.

The Department of Physics/Geosciences has an opening for a **visiting assistant professor in GIS/Remote Sensing**. Candidates must be ABD from a regionally accredited institution in Geology, Physical Geography, or a related field, with a Ph.D. preferred. A demonstrated ability to obtain external funding via grants and contracts is also required. Finalists must have a strong undergraduate background in Physical Geography and Geology, with a preference for a double major, as well as a graduate background with a minimum of eighteen hours in either Geology or Physical Geography. Candidates should forward a cover letter, vita, proposed research program, statement of teaching philosophy, and contact information for three references to the address below. OCT 05-267.

Apply: Dr. Thomas McGehee, GIS Search Committee Chair, Department of Physics/Geosciences, MSC 164, Texas A&M University-Kingsville, Kingsville, TX 78363. Review of applications will begin on Oct. 1, 2005, although applications will be accepted until the position is filled. Materials needed for a complete application can be found at http://www.tamuk.edu/jobs/faculty_positions.htm. EEO/AA/ADA.

TEXAS, WACO 76798-7354. The Department of Geology at Baylor University invites applications for a tenure-track **Assistant Professor position in Bio- or Physical Geography**, beginning August 2006. A Ph.D. in Geography or in a related field is required at the time of appointment. The Department currently consists of 12 geoscientists, including both geologists and geographers (please see the Department website at: <http://www.baylor.edu/Geology/> for further information).

Research: We seek an individual with a strong research agenda that includes interpreting Quaternary records. We also encourage collaboration with a subset of Baylor University Geology faculty members currently engaged in investigations of Earth surface processes, including research on Quaternary paleoclimate and paleolandscape records, as well as hydrological (surface water) and reservoir sedimentation studies, and we require the candidate to develop a vigorous research program that involves both undergraduate and graduate students. Research space for geography is available in the new, 500,000 ft² "state-of-the-art" Baylor Sciences Building.

Teaching: We seek an individual with a strong commitment to excellence in teaching, and require that he/she contribute significantly to both the undergraduate B.A. Geography program

by teaching freshman physical geography, and possibly geomorphology, geographic information systems (GIS), and field-type physical geography courses, as well contribute to the graduate (M.S. and Ph.D.) programs in Geology by teaching graduate courses in his/her areas of specialization. Potential graduate courses might include (but are not limited to): biogeography, Quaternary paleoecology, and process geomorphology. A GIS laboratory that includes computers and software, as well as two large plotters, is available for both instruction and research. Ancillary research support is provided by CAGSR (Center for Applied Geographic and Spatial Research).

Application Process: Send letter of application, including statement of teaching and research interests, curriculum vitae, copies of transcripts, and the names and contact information for three references to the address below. SEP 05-196.

Apply: Dr. Steven G. Driese, Chair, Search Committee, Department of Geology, Baylor University, One Bear Place #97354, Waco, TX 76798-7354 (Tel: 254-710-2361; e-mail: Steven_Driese@baylor.edu). The review of applications will begin January 15, 2006 and will be accepted until the position is filled. To ensure full consideration, application must be completed by January 31, 2006. Baylor is a Baptist university affiliated with the Baptist General Convention of Texas. As an Affirmative Action/Equal Opportunity employer, Baylor encourages minorities, women, veterans and persons with disabilities to apply.

***UTAH, SALT LAKE CITY 84112. Public Policy Position** Announcement, Institute of Public and International Affairs

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 a senior 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: Applicants should have a Ph.D. and outstanding records of scholarly publication and externally-funded research that have contributed to policy debates in their areas of expertise. Applicants' areas of research should focus on one or more of the following: family and social policy, migration, health policy, health disparities, cross-border relations, transnational policy, and/or policy decision-making analysis. 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 be familiar with current public policy issues, have effective interpersonal skills, and an established, nationally visible, externally funded research program.

Application Deadline and Start Date: Applications should be received by November 1, 2005. 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 July 1, 2006.

Contact Person: Inquiries should be made to Cathleen Zick, Public Policy Search Committee Chair, phone: 801-581-6030, email: zick@fcs.utah.edu. Applications should include a letter of interest, CV, a sample of published work, and contact information for three references. OCT 05-230-1.

Applications should be mailed to: Cathleen Zick, Search Committee Chair, University of Utah, 260 S Central Campus Dr Rm214, 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 84112-9155. University of Utah. The Department of Geography invites applications for a tenure-track position at the **Assistant or Associate Professor** level starting July 2006. We seek a **human geographer** with a research emphasis in **urban geography, transportation, and/or hazards**. Also desirable are methodological foci on geocomputational techniques, GIS and/or spatial analysis.

The Department of Geography emphasizes scientific geography within the focus areas of urban/economic systems, Earth system science and geographic information science. The department offers Bachelors', Masters' and PhD

degrees in geography. The department is home to the Digitally Integrated Geographic Information Technologies (DIGIT) Laboratory, a state-of-the-art GIS/remote sensing facility, the Center for Natural and Technological Hazards (CNTH), the Environmental Change Observatory (ECO) and the Records of Environment and Disturbance (RED) Laboratory. The department also administers a unique interdisciplinary Certificate Program in Geographic Information Science with the School of Computing.

The University of Utah is a comprehensive and diverse public institution located on the Wasatch Front urban corridor with easy access to research and recreational opportunities in the Rocky Mountains, Great Basin and the Colorado Plateau. Salt Lake City, is a dynamic and "wired" metropolitan area with outstanding cultural and entertainment amenities, low cost of living, and a sunny, dry four-season climate. For more information on the Department of Geography, see <http://www.geog.utah.edu>.

Submit a letter of application including research and teaching interests, vitae, teaching evaluations (if available) and the names, addresses, phone numbers and email addresses of at least three referees by 28 October 2005. Applications received after the deadline may be considered until the position is filled. The University of Utah is an Equal Opportunity/Affirmative Action employer, encourages applications from women and minorities and provides reasonable accommodations for the known disabilities of applicants and employees. JUL 05-160-3.

Apply: Harvey J. Miller, Chair, University of Utah / Department of Geography / 260 S Central Campus Dr Room 270 / Salt Lake City UT 84112-9155.

VERMONT, BURLINGTON 05405. The Department of Geography at the University of Vermont seeks a broadly trained **human geographer** for an entry-level tenure-track **Assistant Professor** position. PhD in Geography required at time of appointment. We seek a scholar with research interests in the areas of economic and/or urban geography, and with a demonstrated track record in publications and pedagogy. A regional specialization in an area other than Africa, North America, the Polar regions or the Pacific is required, and it is expected that the successful candidate will teach a corresponding regional course. Teaching expectations also include the regular offering of an introductory survey course, as well as intermediate and advanced offerings in fields of specialization. JUL 05-148-3.

Apply: Candidates must apply online at www.uvmjobs.com and must also attach to that application a letter of application, curriculum vitae, and contact information for three referees. The deadline for filing these materials is October 15, 2005. The University of Vermont is an Affirmative Action/Equal Opportunity employer. The Department is committed to increasing faculty diversity and welcomes applications from women and underrepresented ethnic, racial and cultural groups and from people with disabilities.

***VIRGINIA, ARLINGTON 22230.** Director, Division of Behavioral and Cognitive Sciences, National Science Foundation.

NSF's Directorate for Social, Behavioral and Economic Sciences seeks candidates for the position of Director, Division of Behavioral and Cognitive Sciences (BCS). The incumbent provides leadership to programs and initiatives supporting research and education in the human cognition, language, social behavior and culture, as well as research on the interactions between human and societies and the physical environment. Information about the Division's activities may be found at <http://www.nsf.gov/home/sbe/>.

Appointment to this Senior Executive Service position may be on a career basis or 1-to-3 year limited term basis, with a salary range of \$107,550 to \$149,200. Alternatively, the incumbent may be assigned under Intergovernmental Personnel Act (IPA) provisions.

Announcements S20050127, with position requirements and application procedures are posted on NSF's Home Page at http://www.nsf.gov/about/career_opps/. Applicants may also obtain the announcement by contacting the Executive Personnel Staff at 703-292-8755 (Hearing impaired individuals may call TDD 703-292-8044). Applications must be received by October 14, 2005.

NSF is an Equal Opportunity Employer.

OCT 05-237-1.

WASHINGTON, SEATTLE. University of Washington. The Center for Statistics and the Social Sciences (CSSS) invites applications for a tenure-track Assistant, Associate, or Full Professor. The position will be joint between the Department of Statistics and a social science department (such as Anthropology, Economics, Geography, Nursing, Political Science, Public Affairs, or Sociology). CSSS is an interdisciplinary center that fosters collaborative research between statistics and social sciences (www.csss.washington.edu). We seek a faculty member contributing at the cutting edge to the

development of statistical methodology relevant to the social sciences. Duties include new course development, teaching, and methodological and collaborative research. Ph.D. required by date of appointment. Send CV, 3 letters of recommendation and a cover letter stating your methodological research interests in the social sciences to the address below. SEP 05-199.

Apply: Nick Ganoulis, Administrator, CSSS, Box 354320, University of Washington, Seattle, WA 98195-4320. Priority will be given to applications received by December 1, 2005.

The University of Washington is building a culturally diverse faculty and strongly encourages applications from women and minority candidates. AA/EOE.

***WEST VIRGINIA, HUNTINGTON, 25755.** Marshall University.

Tenure-track Assistant Professor position starting Fall, 2006. Salary: Commensurate with qualifications and experience. Ph.D. required at time of appointment. The Department seeks a physical geographer, broadly trained with interest in environment and regional (e.g., Asia, Latin America). A record of quality teaching and strong research agenda required; willingness to collaborate and include students in their research efforts is desirable. To apply submit a letter of interest, curriculum vita, transcripts, and three letters of recommendation to the address below. OCT 05-233.

Apply: Professor Larry G. Jarrett, Chair, Department of Geography, Marshall University, Huntington, West Virginia 25755. Initial review of applications December 1 until position is filled. Position available: August 2006. Marshall University is an AA/EEO institution; minorities and women are especially encouraged to apply.

***WISCONSIN, KENOSHA 53140.** Carthage College invites applications for a tenure-track Assistant or Associate Professor of Geography specializing in GIScience Applications.

The successful candidate will enhance the current GIS program and will join in teaching a full range of GIS courses. The ideal candidate will also be able to teach introductory and advanced courses in Geography or another specialty, and participate in the College's core curriculum Heritage program. A strong commitment to the liberal arts tradition and undergraduate research activities is essential. A broad range of subspecialties in GIScience and Geography is welcome. The position will begin in August 2006 and applicants should have a completed Ph.D. at the time of appointment.

Founded in 1847, Carthage is located on the shore of Lake Michigan, midway between Milwaukee and Chicago and offers quick urban access from the relaxed environment of a small city. The Carthage curriculum is designed to promote critical thinking while challenging students to express themselves effectively through a variety of media. More information is available on the College website (<http://www.carthage.edu>).

Review of applications will begin immediately and will continue until the position is filled. Applicants should send a cover letter outlining their teaching philosophy and research interests, the names, addresses and phone numbers of three references, curriculum vitae and other supporting documents (e.g. teaching evaluations, course syllabi, example assignments, etc.) to the address below. OCT 05-240.

Apply: Professor William Miller, Chair, Division of the Social Sciences, Carthage College, 2001 Alford Park Drive, Kenosha, WI 53140 E-mail: geosearch@carthage.edu. Voice: 262-551-5844 Fax: 262-551-6208.

WISCONSIN, LA CROSSE 54601. The University of Wisconsin - La Crosse, Assistant Professor, full-time, tenure track appointment in GIS and Land Use Planning/Environmental Analysis, beginning fall semester 2006. PhD in Geography required at time of appointment. Demonstrated expertise in geographic information science, especially applied to land use/environmental analysis, spatial statistics and a programming language. Primary teaching responsibilities include introductory and advanced GIS courses along with the ability to teach introductory courses in world regional geography, or conservation, and/or an upper level course in a regional or cultural specialty as part of a semester course load. The appointee will be expected to provide leadership and vision to the geographic information science core in an undergraduate geography program, demonstrate a commitment to excellence in undergraduate teaching, develop an active research program seeking external grants, participate in undergraduate research, and provide service to the University and broader community. The Department of Geography and Earth Science houses the UWL Center for Geographic Information Science providing an opportunity for faculty to work with the director on applied research and community outreach. Submit a letter of application, vita, three letters of reference, and undergraduate and graduate transcripts to the address below. SEP 05-231.

Apply: Dr. Harun Rashid, Chair, Department of Geography and Earth Science, University of Wisconsin-La Crosse, 1725 State Street, La Crosse, WI 54601. Voice 608-785-8339, FAX 608-785-8332, e-mail rasid.haru@uwlax.edu. The closing date for all application materials is October 15, 2005. UW-La Crosse is an affirmative action/equal opportunity employer. Women, persons of color, and individuals with a disability are encouraged to apply. If you have a special need/accommodation to aid your participation in our hiring process, please contact the committee above to make appropriate arrangements.

***WISCONSIN, PLATTEVILLE 53818.** The University of Wisconsin-Platteville Geography Program is seeking to fill a tenure track faculty position to begin in August, 2006. We wish to hire a broadly trained **Human Geographer** to join our program at the **Assistant Professor** level. The person occupying this position must teach an introductory course in World Regional Geography every semester, as well as advanced courses in Human Geography with a specialization in Economic, Environmental or Political Geography. A person with a Regional Specialization is desirable. We have a strong tradition of providing field experiences for our students, and the program environment also fosters undergraduate research; the ideal candidate will plan to continue in those traditions. A Ph.D. in Geography is required by the time of employment. We seek outstanding teachers, so we also require some college-level teaching experience and a demonstrated commitment to teaching excellence and innovation. In addition we assume that the person in this position will maintain an active research program.

Candidates should forward a letter of application, statement of teaching philosophy, current vita, letters of support from three references, and academic transcripts to the address below. OCT 05-234.

Apply: Dr. Richard Waugh, Chair, Search and Screen Committee, Department of Social Sciences/Geography, 1 University Plaza, Platteville, WI 53818. Review of applications will begin on December 1. We strongly discourage email applications.

The University of Wisconsin-Platteville, an equal opportunity, affirmative action employer, seeks to build a diverse faculty and staff and encourages applications from women and persons of color. The candidate should have demonstrated commitment to or experience with diverse populations. The names of nominees and

applicants who have not requested in writing that their identities be kept confidential, and of all finalists, will be released upon request.

WISCONSIN-RIVER FALLS, 54022-5001. The Department of Geography and Mapping Sciences at the University of Wisconsin-River Falls invites applications for a full-time tenure track position at the **Assistant Professor** rank beginning August 2006. Ph.D. required at time of appointment.

Geographic Information Systems (GIS) and Cartography (map design) specialist. Ability to contribute to program development and to the geography curriculum in others areas of the discipline may be considered assets. The successful candidate will have demonstrated teaching ability in GIS and Cartography. Principal responsibilities include teaching introductory and advanced courses in GIS, cartography and map design. The department supports an up-to-date GIS teaching lab with full ESRI site license, Idrisi, SPSS, Adobe Illustrator, Adobe Photoshop, and Trimble Pathfinder GPS software.

Successful candidates for this position will have the ability to contribute to the further development of a successful, well-established program. The department offers majors and minors in Geography and a minor in GIS and Cartography. The GIS and Cartography minor is a well-established and innovative program that draws students from disciplines across campus. The normal teaching load is 12 credits per semester, and student advising is required. The University has a commitment to excellence in undergraduate teaching. The University expects scholarly activity, including research, scholarship, and creative endeavors and service, that support its programs. Collaboration with other units on campus and IT Services related to GIS Lab operations is necessary. Salary based on qualifications and experience. A member of the University of Wisconsin system, UW-River Falls, with 5800 students, is located in the scenic St. Croix valley 30 miles east of Minneapolis-St. Paul.

Please submit a letter of application, curriculum vitae, unofficial transcripts, a statement of ability to contribute to the enhancement of student awareness and appreciation of diverse cultures, and the names, addresses, phone numbers, and e-mail addresses of at least three references who can comment specifically upon your teaching ability, experience, and professional preparation. Review of applications will begin on October 15, 2005 and continues until the position is filled. Electronic applications accepted. UW-River Falls

is an equal opportunity, affirmative action employer. All persons, especially women, persons of color, and people with disabilities, are encouraged to apply. The names of all nominees and applicants who have not requested confidentiality in writing, and identities of all finalists must be released upon request. SEP 05-216.

Apply: Donald Petzold, Search and Screen Committee Chair, Department of Geography and Mapping Sciences, University of Wisconsin-River Falls, 410 S. Third St., River Falls, WI 54022-5001. Phone 715-425-3264, Fax 715-425-0643. Information: Internet Donald.E.Petzold@uwrfl.edu or <http://www.uwrfl.edu/geography/>.

NATIONWIDE. U.S. Geological Survey Mendenhall Postdoctoral Research Fellowship Program

The U.S. Geological Survey (USGS) invites applications for the Mendenhall Postdoctoral Research Fellowship Program for Fiscal Year 2007. 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 2007 begins in October 2006.

Opportunities for research are available in a wide range of topics. The postdoctoral fellowships are 2-year appointments. The closing date for applications is December 1, 2005. Appointments will start October 2006 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 05-177-3.

INTERNATIONAL

***CANADA, BRITISH COLUMBIA, BURNABY V5A 1S6.** Simon Fraser University, Department of Geography, **Health Geographer.**

The Department of Geography at Simon Fraser University invites applications for a tenure-track faculty appointment in the field of Human Geography. Our priority is for a candidate with interests in the socio-spatial inequalities of health at local, national and/or international scales.

The appointment will be at the rank of **Assistant Professor** and will begin September 1, 2006. Applicants must have completed a PhD by the time of appointment and should demonstrate a clear promise of excellence in research as well

as effectiveness in teaching at undergraduate and graduate levels. In addition to their area of specialty, the successful candidate also will be expected to instruct in other courses in the Geography Program. The appointee will be responsible for establishing an externally funded research program.

Applicants should forward a curriculum vitae, statement of research interests and career goals, and reprint or sample of research writing to the address below. OCT 05-227.

Apply: Dr. Ted Hickin, Chair, Department of Geography, Simon Fraser University, Burnaby, British Columbia, Canada V5A 1S6. They should also arrange for three confidential letters of reference to be sent to the Chair under separate cover. Review of applications will commence on October 17, 2005. For additional information please see www.sfu.ca/geography.

All qualified candidates are encouraged to apply; however Canadians and permanent residents will be given priority. Simon Fraser University is committed to the principle of equity in employment and offers equal opportunities to qualified women and men, including visible minorities, aboriginal people and persons with disabilities. The position is subject to final budgetary approval.

***CANADA, BRITISH COLUMBIA, BURNABY V5A 1S6.** Simon Fraser University, Department of Geography, Hydrologist.

The Department of Geography at Simon Fraser University invites applications for a tenure track faculty appointment in field-based surface-water hydrology. The appointment will be at the rank of **Assistant Professor** and will begin September 1, 2006.

Applicants must have completed a PhD by the time of appointment and should demonstrate a clear promise of excellence in research as well as effectiveness in teaching at the undergraduate and graduate levels. In addition to their area of specialty, the successful candidate also will be expected to instruct in other courses in the Physical Geography Program. The appointee will be responsible for establishing an externally funded research program in surface-water hydrology.

Applicants should forward a curriculum vitae, statement of research interests and career goals, and reprint or sample of research writing to the address below. OCT 05-228.

Apply: Dr. Ted Hickin, Chair, Department of Geography, Simon Fraser University, Burnaby, British Columbia, Canada V5A 1S6. They should also arrange for three confidential letters of reference to be sent to the Chair under separate cover.

Review of applications will commence on November 21, 2005. For additional information please see www.sfu.ca/geography.

All qualified candidates are encouraged to apply; however Canadians and permanent residents will be given priority. Simon Fraser University is committed to the principle of equity in employment and offers equal opportunities to qualified women and men, including visible minorities, aboriginal people and persons with disabilities. The position is subject to final budgetary approval.

***CANADA, ONTARIO, LONDON N6A 5C2. Development Geographer.**

The Department of Geography at The University of Western Ontario is seeking a faculty member at the rank of Assistant Professor (probationary) or Associate Professor (probationary or tenured) in the area of Development Geography.

We seek an outstanding individual with demonstrated commitment to excellence in research and teaching. The candidate must have a PhD and a strong record of scholarly activity. The candidate should be capable of supervising graduate student research, teaching graduate and undergraduate students, and conducting research on international development.

Candidates who can complement Departmental and Faculty strengths in urban studies, water, health, population and migration, economic development, and natural hazards and environment are particularly encouraged to apply. Regional specialization is open to any area of Asia, Africa, or Latin America and the Caribbean. Working relationships with organizations in relevant fields is also desirable.

The appointment will be effective July 1, 2006. The appointment is subject to final budgetary approval. Salary will be commensurate with experience. Further information about the Department may be found at: <http://geography.ssc.uwo.ca>

Applications, including a statement of research and teaching interests, current curriculum vitae and the names and addresses of three referees, together with their e-mail, fax and telephone numbers, should be sent to the address below. OCT 05-235.

Apply: Prof. Dan Shrubsole, Chair, Department of Geography, Social Science Centre, The University of Western Ontario, London, Ontario, N6A 5C2, Canada. Tel: (519) 661-3126; Fax: (519) 661-3750. E-mail: dashrubs@uwo.ca.

Closing date: November 30, 2005 or until position is filled. E-mailed applications will

not be accepted. This position is subject to budgetary approval.

Applicants should have fluent written and oral communication skills in English. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. The University of Western Ontario is committed to employment equity and welcomes applications from all qualified women and men, including visible minorities, aboriginal people and persons with disabilities.

***CANADA, ONTARIO, TORONTO M3J 1P3.** The Department of Geography, Faculty of Arts, York University invites applications for a full-time tenure-track position at the **Assistant Professor** level in **Urban Social Geography**. The Department seeks a scholar engaged in critical work on the city, with expertise in diversity issues. Preference will be given to those with research interests in post-1945 Canada. Research interests in any of housing, planning, health, environment, immigration, Aboriginal peoples, LGBT communities and/or citizenship are desirable. However, the Department welcomes applications from outstanding candidates working in any area of Urban Social Geography. A PhD is required at the time of appointment and preference will be given to applicants who are able to supervise graduate students immediately. 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 July 1, 2006, 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 05-224.

Apply: Professor Patricia K. Wood, Chair, Department of Geography, Faculty of Arts, N418 Ross Building, York University 4700 Keele Street, Toronto, Ontario, Canada, M3J 1P3; phone 416-736-5107, fax 416-736-5988.

Deadline: November 4, 2005.

***CANADA, ONTARIO, TORONTO M3J 1P3.** The Department of Geography, Faculty of Arts, York University invites applications for a full-time tenure-track position at the **Assistant Professor** level. The Department seeks a **Biogeographer/Ecologist** with demonstrated expertise and research interests in contemporary ecological processes. Interests in the areas of soil and vegetation dynamics and nutrient cycling processes are preferred. A PhD is required at the time of appointment and preference will be given to applicants who are able to supervise doctoral students immediately. 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 July 1, 2006, 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 05-225.

Apply: Professor Patricia K. Wood, Chair, Department of Geography, Faculty of Arts, N418 Ross Building, York University 4700 Keele Street, Toronto, Ontario, Canada, M3J 1P3; phone 416-736-5107, fax 416-736-5988.

Deadline: November 4, 2005.

***CANADA, ONTARIO, TORONTO M5S 1A1.** The **Dr. David Chu Professorship in Asia-Pacific Studies**. The Faculty of Arts and Science of the University of Toronto invite applications and nominations for the Dr. David Chu Professorship in Asia-Pacific Studies. This is an endowed chair and a senior academic appointment at the level of senior Associate or Full Professor.

The Dr. David Chu Professor will be an internationally recognized scholar with a distinguished record of publication in contemporary Asia-Pacific studies with preference given to a scholar with a working knowledge of one or more Asian languages. Bridging disciplinary boundaries, the chairholder will be responsible for continued development and support of teaching and research in Asia-Pacific Studies joining a strong group of scholars committed to the study of this

region. A demonstrated commitment to excellent undergraduate teaching and graduate education is required.

This is a tenured appointment within the Faculty of Arts and Science to be held within one of the departments of Anthropology, East Asian Studies, Economics, Geography, History, Political Science, or Sociology.

Applicants should send curriculum vitae and the names and addresses of three referees by the deadline of October 31, 2005, addressed to the address below. OCT 05-249-1.

Apply: Professor Meric Gertler, Vice-Dean, Graduate Education and Research, Faculty of Arts and Science, Sidney Smith Hall, 100 St. George Street, Toronto, Ontario, Canada, M5S 1A1. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to the further diversification of ideas.

***CANADA, ONTARIO, TORONTO.** The Department of Geography, University of Toronto at Mississauga, invites applications for a tenure-stream **Assistant Professor** position in **physical geography with a specialization in soil processes**. The Department is seeking a candidate who takes an interdisciplinary approach to studying the role of soils in landscape biogeochemistry and/or landscape ecology. The successful candidate will join a Geography Department with existing strengths in hydrology, biogeography, modeling, and remote sensing/GIS. The candidate is expected to take up the position on July 1, 2006.

The appointment is at the University of Toronto at Mississauga (UTM), which has a strong interdisciplinary commitment, a multicultural student body, and a modern, spacious campus, where the appointee will be expected to develop an externally funded research program.

The successful candidate will have a graduate appointment in the Department of Geography and Program in Planning, University of Toronto. Strong participation in the UTM Geography and Environment undergraduate programs, as well as in the graduate program of the Department of Geography and Planning, is expected.

The successful candidate must have a Ph.D. in Geography or a related discipline, demonstrated potential for high quality scholarly research and publication, and a commitment to excellence in

teaching. Additional information on the Department can be obtained online at <http://geog.utm.utoronto.ca/> and <http://www.geog.utoronto.ca>. Any inquiries about the application should be sent to the Department Chair, Prof. Brian Branfireun, at brian.branfireun@utoronto.ca.

The University of Toronto is fully committed to academic excellence and welcomes applications from all qualified individuals. All qualified candidates are encouraged to apply; however, Canadian and permanent residents will be given priority. The University of Toronto is strongly committed to diversity within its community. The University especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to the further diversification of ideas.

The deadline for submission of applications is November 15, 2005. Candidates should send a current Curriculum Vitae, brief statements of teaching specializations and research interests, copies of selected reprints to the address below. Applicants should also ask three referees to send letters of recommendation under separate cover. All correspondence should be sent to the address below. OCT 05-246.

Apply: Brian Branfireun, Chair, Department of Geography, University of Toronto at Mississauga, 3359 Mississauga Road, Mississauga, ONT L5L 1C6, Canada.

Please note that no e-mail applications will be accepted.

CANADA, ONTARIO, TORONTO M5S 3K7. Department of Geography & Program in Planning. Faculty of Arts and Science, University of Toronto, 100 St. George Street, Rm. 5047, Sidney Smith Hall, Toronto, Ontario M5S 3G3.

The Department of Geography and Program in Planning, University of Toronto, invites applications for **two tenure-stream appointments**. Both appointments will be at the rank of Assistant Professor and will begin on July 1, 2006. These appointments are in the fields of:

Urban Geography – Assistant Professor. The department is seeking candidates with expertise in contemporary cities to complement its considerable strength in urban geography and related fields. An interest in North American cities would be an asset. Materials must be received by October 11, 2005.

Historical Geography – Assistant Professor. The ideal candidate would complement the department's considerable strength in areas of environmental, urban-economic, and socio-cultural

geography. Materials must be received by November 15, 2005.

The appointees will be expected to contribute to graduate teaching and supervision and undergraduate teaching. The successful candidates will be expected to develop an externally funded research program. The successful candidates must have a Ph.D. in geography or a closely related discipline, an established record of high quality scholarly research and publication, and a demonstrated commitment to excellence in teaching. Salary to be commensurate with qualifications and experience.

Please send applications to the address below. SEP 05-200.

Apply: Professor Joseph R. Desloges, Chair, Department of Geography and Program in Planning, University of Toronto, 100 St. George Street, Toronto, Ontario, Canada M5S 3G3. Applications should include a curriculum vitae, a statement outlining current and future research interests, examples of publications, and materials relevant to teaching experience (no e-mail applications will be accepted). Applicants should also ask three referees to write letters directly to Professor Desloges. Additional information on the Department can be obtained through the World Wide Web at <http://www.geog.utoronto.ca/>.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to the further diversification of ideas. We offer opportunities to work in many collaborative programs, including Aboriginal, Canadian, environmental, ethno-cultural, sexual diversity, gender and women's studies. The University of Toronto offers the opportunity to teach, conduct research and live in one of the most diverse cities in the world. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

CANADA, ONTARIO, TORONTO M5S 3K7. Postdoctoral Fellow.

The University of Toronto's Andrew W. Mellon Foundation Sawyer Seminar, "Globalizing the Americas: World Economies and Local Communities," is seeking a postdoctoral fellow for the academic year 2006-07. The seminar will gather scholars from across the Americas to explore the contemporary and historical effects of globalization on local communities in North, Central, South America, and the Caribbean. The successful applicant will be expected to attend all

meetings of the seminar and perform modest administrative duties. S/he will have the opportunity to teach one course each term in the Centre for the Study of the United States and/or in the Latin American Studies program. The fellow will be affiliated with all three University of Toronto campuses.

Candidates must have their Ph.D. (or equivalent degree) in any humanities and social science field in hand by July 1, 2006. Candidates' research should engage directly with one or more of the 'thematic threads' of the seminar: labour and empire; economy, culture, and commodities; migration and diaspora; race and inequality; labour movements and working-class culture; and redefining and reconceptualizing "labour."

For more information on the seminar, see <http://www.utoronto.ca/csus/sawyer>.

Candidates should send 3 letters of reference, cover letter, short writing sample (a dissertation chapter or an essay, for instance), and CV. They should also include a detailed syllabus for an advanced level, small group, one-term undergraduate course that relates to the broad themes of the seminar and to their specific research.

Salary is \$52,000 CAD (approx. \$42,000 USD) plus benefits and a research allowance.

Send completed applications by December 1, 2005 to the address below. SEP 05-195.

Apply: Dr. Parminder Mann, Senior Administrator, Centre for the Study of the United States, University of Toronto, 1 Devonshire Place Toronto, ON M5S 3K7, CANADA. p.mann@utoronto.ca. Fax: 416-946-8915. Tel.: 416-946-8972.

*CANADA, SASKATCHEWAN, SASKATOON, S7N 5A5. Two tenure-track positions in Human Geography.

The Department of Geography at the University of Saskatchewan seeks two promising young scholars for tenure-track positions at the rank of Assistant Professor. The appointments will be made in **Human Geography** to support research and teaching in the general areas of **Urban** and **Health** studies. Both appointments will begin July 1, 2006.

The Department of Geography is a vibrant academic department committed to excellence in teaching and research. The department is home to two Canada Research Chairs; one in Human Geography entitled "Identity and Diversity: the Aboriginal Experience" and one in Physical Geography entitled "Water Resources and Climate Change." The Department of Geography offers B.A. and B.Sc. undergraduate programs, participates in a co-op internship program, and is

a strong contributor to several interdisciplinary programs delivered in collaboration with other Departments. It also maintains a vigorous graduate program offering M.A., M.Sc. and Ph.D. degrees. Further information about the Department can be found at <http://www.usask.ca/geography>.

The Department of Geography is engaged with several specialized research units including SPHERU (Saskatchewan Population Health Evaluation Research Unit) and CUISR (Community University Institute for Social Research) in innovative, community-based research. The Department is developing an excellent research reputation and all of its human geography faculty members maintain Tri-Council funding support.

The University of Saskatchewan has recently completed an integrated planning exercise which identified a number of priority areas for future development. The Department of Geography is well situated to support a number of these including health and social issues, environment, Aboriginal research, and public policy. New appointments are expected to contribute substantially to one or more of the priority areas of the University and to complement the existing strengths of the Department.

Applicants for the Urban position are asked to indicate how they could support the Department's undergraduate Planning specialty which is offered through the RUD (Regional and Urban Development) programme. RUD has strong ties with the City of Saskatoon Planning Department and membership (or eligibility for membership) in the Canadian Institute of Planners would be an asset, as would the ability to support ongoing scholarship concerning aboriginal people in urban places. The Department wishes to sustain and expand its activity in Health Geography. Presently, members of the Department are investigating spatial patterns in selected health parameters in collaboration with colleagues in the College of Medicine. A proposed School of Environmental Studies may provide additional opportunities for Health research related to environmental determinates and change. A variety of institutional opportunities currently exist for research on health in urban and rural settings, as well as in aboriginal communities.

Applicants should have a PhD in Geography (or a cognate field), teaching experience and a clear potential for outstanding scholarship demonstrated through published work. The successful candidate will have both junior and senior level teaching responsibilities and is expected to develop an externally funded research program that embraces graduate student supervision.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. The University of Saskatchewan is committed to Employment Equity. Members of Designated Groups (women, Aboriginal people, people with disabilities and visible minorities) are encouraged to self-identify in the applications.

Candidates should send a cover letter, full curriculum vitae, a statement of research and teaching interests, and ensure letters are received from at least three referees by December 30, 2005. All materials should be directed to the address below. OCT 05-251.

Apply: Dr. O. W. Archibold, Head, Department of Geography, University of

Saskatchewan, Saskatoon, Saskatchewan, Canada S7N 5A5. Phone: 306-966-5656. Fax: 306-966-5680

Electronic applications will not be accepted. ■

Books Received

Alter, Robert. *Imagined Cities: Urban Experience and the Language of the Novel*. New Haven, CT: Yale University Press, 2005. 175 and 13 pp., \$27.50, ISBN 0-300-10802-8.

Berry, Brian J.L. and James O. Wheeler, eds. *Urban Geography in America, 1950-2000: Paradigms and Personalities*. London and New York: Routledge, 2005. 382 and 22 pp., n.p., ISBN 0-415-95191-7.

Buell, Lawrence. *The Future of Environmental Criticism: Environmental Crisis and Literary Imagination*. Malden, MA: Blackwell, 2005. 195 and 10 pp., n.p., ISBN 1-4051-2476-8.

Davis, Jack E. and Raymond Arsenault, eds. *Paradise Lost?: The Environmental History of Florida*. Gainesville, FL: University Press of Florida, 2005. 420 and 14 pp., \$59.95, ISBN 0-8130-2826-4.

Dearden, Philip and Bruce Mitchell. *Environmental Change and Challenge: A Canadian Perspective*. Don Mills, Ont.: Oxford University Press, 2nd revised ed., 2005. 554 and 13 pp., n.p., ISBN 0-19-541927-8.

de Blij, Harm J. *Why Geography Matters: Three Challenges Facing America—Climate Change, the Rise of China, and Global Terrorism*. New York: Oxford University Press, 2005. 320 pp., \$30.00, ISBN 0-19-518301-0.

Dowler, Lorraine, Josephine Carubia, and Bonj Szczygiel, eds. *Gender and Landscape: Renegotiating Morality and Space*. London and New York: Routledge, 2005. 292 and 12 pp., n.p., ISBN 0-415-33949-9.

Falah, Ghazi-Walid and Caroline Nagel, eds. *Geographies of Muslim Women: Gender, Religion, and Space*. New York: Guilford, 2005. 337 and 8 pp., \$30.00, ISBN 1-57230-134-1.

Kratoska, Paul, Remco Raben, and Henk Schulte Nordholt, eds. *Locating Southeast Asia: Geographies of Knowledge and Politics of Space*. Athens, OH: Ohio University Press, 2005. 326 and 11 pp., \$28.00, ISBN 0-896-80242-6.

Lambert, David. *White Creole Culture, Politics and Identity During the Age of Abolition*. New York: Cambridge University Press, 2005. 245 and 8 pp., \$75.00, ISBN 0-521-841431-3.

Lomolino, Mark V., Brett R. Riddle, and James H. Brown. *Biogeography*. Sunderland, MA: Sinauer Associates, 3rd revised ed., 2006. 845 and 13 pp., \$89.95, ISBN 0-87893-062-0.

Moran, Emilio F., and Elinor Ostrom, eds. *Seeing the Forest and the Trees: Human-Environment Interactions in Forest Ecosystems*. Cambridge, MA: MIT Press, 2005. 442 and 13 pp., \$35.00, 0-262-63312-4.

Oliver, John E., ed. *Encyclopedia of World Climatology*. Dordrecht, Netherlands: Springer, 2005. 854 and 20 pp., \$399.00, ISBN 1-4020-3264-1.

One Planet, Many People: Atlas of Our Changing Environment. Nairobi: United Nations Environmental Programme, 2005. 320 and 7 pp., n.p., ISBN 92-807-2571-8.

Pirages, Dennis and Ken Cousins, eds. *From Resource Scarcity to Ecological Security: Exploring New Limits to Growth*. Cambridge, MA: MIT Press, 2005. 268 and 11 pp., \$24.00, ISBN 0-262-66189-6.

Rudel, Thomas K. *Tropical Forests: Regional Paths of Destruction and Regeneration in the Late Twentieth Century*. New York: Columbia University Press, 2005. 231 and 16 pp., \$32.50, ISBN 0-231-13195-X.

Steinberg, Steven J. and Sheila L. Steinberg. *Geographic Information Systems for the Social Sciences: Investigating Space and Place*. Thousand Oaks, CA: Sage, 2005. 252 and 20 pp., \$44.95, ISBN 0-7619-2873-1.

Talen, Emily. *New Urbanism and American Planning*. London and New York: Routledge, 2005. 318 and 10 pp., n.p., ISBN 0-415-70133-3.

Turner, Raymond M., Janice E. Bowers, and Tony L. Burgess. *Sonoran Desert Plants: An Ecological Atlas*. Tucson: University of Arizona Press, 2005. 504 and 16 pp., \$39.95, ISBN 0-8165-2519-6.

News Bits

The Public Broadcasting Service (PBS) created a ten-episode documentary series from University of California, Los Angeles Geography Professor Jared Diamond's book *Guns, Germs and Steel*. www.pbs.org/gunsgermsteel/.

The Library of Congress is currently displaying an exhibit titled "Surveying and Mapping." This exhibit features winning entries from the Map Design Competition

sponsored by the American Congress on Surveying and Mapping and the Cartography and Geographic Information Society as well as winning surveying and plat map entries from the National Society of Professional Surveyors Map Competition.

The Department of Labor recently posted a geography jobs brochure on its online Occupational Outlook Quarterly (Spring 2005). The seventeen-page

booklet about careers in geography is available at www.bls.gov/pub/ooq/2005/spring/art01.htm.

Canadian Geographic recently doubled its content on the **Canadian Atlas Online** www.canadiangeographic.ca/atlas/. The bilingual site now has double the thematic content and triple the lesson plans. ■

The AAG welcomes the following new members whose memberships began in September

Abernathy, David, Asheville, NC	Herman, Julie, Gloucester Point, VA	Reusser, Debbie, Seal Rock, OR
Aman, Destiny, Sebastopol, CA	Hermann, Jeffrey, Alexandria, VA	Reynolds, Sarah, Cumberland, MD
Anderson, Suzanne Prestrud, Boulder, CO	Hickey, Michael P, Visalia, CA	Ridgley, Jennifer, Toronto, ON, Canada
Ashley, Christopher E., Portland, OR	Horton, Laura, San Diego, CA	Roberts, Laura Katrina Gosnold, Byron, GA
Assal, Timothy, CO	Hribar, Georgeanne, Virginia Beach, VA	Roemer, Marc, Washington, DC
Baldwin, Kevin Ryan, Dallas, TX	Janikas, Mark, San Diego, CA	Saccomano, Ann, Washington, DC
Beck, Stephen, New Freedom, PA	Jarzen, AICP, Robert E., Largo, FL	Salisbury, Troy, Saint Petersburg, FL
Berrang Ford, Lea, Guelph, ON, Canada	Keats, Walter L., Kenilworth, IL	Salz, Ron, Honolulu, HI
Billings, Francine, Mascoutah, IL	Kelly, Brendan, Anchorage, AK	Sangster, Rachel, Abingdon, Oxfordshire, UK
Birt, Sarah, Ft. Worth, TX	Knudson, James Robert, Annapolis, MD	Satinsky, Ashley, Littleton, NH
Bloch, Stefano	Kraemer, Ryan, Santa Monica, CA	Sawyer, Patricia, Minneapolis, MN
Bunn, Andy, MA	LaFary, Eric, Terre Haute, IN	Schoenborn, Donald M., Olathe, KS
Burmester, Keith, Denton, TX	Landry, Bryan, LA	Shaver, David, Rolla, MO
Carlos, Richard, Venice, CA	Lawrence, Rachel, Abingdon, Oxfordshire, UK	Smith, Belinda C., Bladensburg, MD
Chambers, Awilda Velez, King George, VA	Lee, Boyoung, Daegu, Korea	Sorenson, Daniel, Seattle, WA
Chambers, Samuel D., King George, VA	Lee, Sang-II, Seoul, Korea	Spencer, Sanjay, Charlottesville, VA
Cookson, Rod, Abingdon, Oxfordshire, UK	Lennon, Sean, Oshkosh, WI	Strope, Kathleen, Portland, OR
Correia, Joel, CA	Lurie, Abigail, Chicago, IL	Sullivan, Sean, Doylestown, PA
Corrigan, William, Santa Barbara, CA	MacAlpine, Martin Donald, Coeur d'Alene, ID	Tait, Derek, Chicago, IL
Coulter, Bob, Saint Louis, MO	Mahan, Lisa, Abingdon, Oxfordshire, UK	Tipping, Henry Michael, Lagos, Nigeria
Crown, Christine, Paradise, CA	Manley, Jesse, Beaverton, OR	Tobin, Karin, Thomaston, CT
Daffron, Amy, Lavaca, AR	Manley, Jon, Abingdon, Oxfordshire, UK	Tracy, Matt, Chandler, AZ
De Leon-Alejandro, Jose, Urbana, IL	Marker, Dennis Lynn, Sandy City, UT	Tuladhar, Preeti, Orlando, FL
Donez, Francisco, Berkeley, CA	Messen, Dmitry, Houston, TX	Vega, Jose, Port Saint Lucie, FL
Dutt, Sugato, Honolulu, HI	Messier, Denise, Rockville, MD	Vieira, Gonçalo, Lisboa, Portugal
Eikaas, Hans, Singapore	Michuluk, Christine, Perris, CA	Vivian, Jessica, Abingdon, Oxfordshire, UK
Elder, David, W Hartford, CT	Millais, Alan, Santa Barbara, CA	Von Kader, William B.P., Weiden, Germany
Engle, Heidi, Snohomish, WA	Miller, Robert, Addison, TX	Walsh, Katie, Southampton, UK
Fadolapo, Tunji J., Pretoria Gauteng, South Africa	Moore, Amanda, Walker, MN	Ward, John V., Fayetteville, AR
Finley, Michael, PA	O'Connell, Diane, Livonia, MI	Watts, Joseph M., Bethesda, MD
Fuller, Ryan, Maple Ridge, BC, Canada	Okin, Avery Eli, Brooklyn, NY	Wee, Bryan, West Lafayette, IN
Gearing, Thomas M., Denver, CO	Osmanovic, Armin, Hamburg, Germany	Wlaz, Bethany, DE
Glenn, Louise, Abingdon, Oxfordshire, UK	Payne, Brent, Oklahoma City, OK	Wolf, Eric, Chattanooga, TN
Graves, Mark R., Vicksburg, MS	Payne, Ted, Washington, DC	Wood, Eric, Overland Park, KS
Gullickson, Jennifer, Shreveport, LA	Perez, Heather M., Raleigh, NC	Wouters, Jared, Chicago, IL
Hastings, Thomas, New York, NY	Psillas, Jennifer, Tucson, AZ	Wright, David, Urbana, IL
	Rahliba, Braden, Clarksville, TN	

OCTOBER

4-6. InterGeo 2005. Düsseldorf, Germany. www.intergeo.de.

7-9. 36th International Binghamton Geomorphology Symposium. Buffalo, NY. www.geog.buffalo.edu/~rensch/binghamton/.

9-12. URISA Annual Conference. Kansas City, MO. www.urisa.org.

12-15. National Council on Geographic Education Conference. Birmingham, AL. www.ncge.org/.

12-15. 25th Annual Meeting of the North American Cartographic Information Society. Salt Lake City, UT. www.nacis.org/meetings.html.

14-15. AAG Middle States Division Meeting. Chautauqua, NY. Contact Ann Deakin at deakin@fredonia.edu.

19-22. AAG Pacific Coast Division Meeting. Phoenix, AZ. <http://geography.asu.edu/apcg/>.

20-23. National Conference on Planning History. Miami, FL. www.urban.uiuc.edu/sacrph/index.html.

21-22. AAG East Lakes Division Meeting. Bowling Green, OH. Contact Arthur N. Samel at ansamel@bgnet.bgsu.edu.

23-27. William T. Pecora Memorial Symposium "Global Priorities in Land Remote Sensing." Sioux Falls, SD. www.asprs.org/pecora16.

26-28. Conference of Latin Americanist Geographers 2005 Conference. Morelia, Michoacán, México. <http://sites.maxwell.syr.edu/clag/clag.htm>.

30-November 2. Geospatial Intelligence 2005. San Antonio, Texas. <http://www.geoint2005.com/index.cfm>.

NOVEMBER

2-5. 28th Annual Applied Geography Conference. Washington, DC. www.appliedgeog.org/html/main.htm.

3-5. AAG West Lakes Division Meeting. Iowa City, IA. Contact Rex Honey at rex-honey@uiowa.edu.

4-5. Culture Lines: Emerging Research on Ethno-Racial Boundaries: An Interdisciplinary Graduate Student Conference. Cambridge, MA. www.wjh.harvard.edu/boundaries.

9-12. AAG Southwest Division Meeting. Fayetteville, AR. www.swaag.net/.

15-18. Meeting of Consultations of the Pan American Institute of Geography and History. Caracas, Venezuela. Contact C.W. Minkel at cminkel@utk.edu.

20-22. AAG Southeast Division Meeting. West Palm Beach, FL. Contact Russ Ivy at ivy@fau.edu.

21-24. General Assembly of the Pan American Institute of Geography and History. Caracas, Venezuela. Contact C.W. Minkel at cminkel@utk.edu.

DECEMBER

4-6. Second Annual International Conference on Social Science Research. Orlando/Altamonte, FL. www.centrepp.org/socialscience.html.

2006

FEBRUARY

16-20. American Association for the Advancement of Science Annual Meeting. St. Louis, MO. www.aaas.org/meetings/Annual_Meeting/03_GI/Info.shtml.

MARCH

7-11. AAG Annual Meeting. Chicago, IL. www.aag.org.

27-30. Lineae Terrarum International Borders Conference. El Paso, TX, Ciudad Juarez, and Las Cruces, NM. <http://research.utep.edu/lineaeterrarum>.

29 March - 2 April. American Society for Environmental History Meeting. St. Paul, MN. www.h-net.org/~environ/ASEH/welcome-IET.htm.

APRIL

6-7. 37th South Dakota State Geography Convention, Brookings, SD. www3.sdstate.edu/Academics/CollegeofArtsAndScience/Geography/Index.cfm.

MAY

14-16. Beijing Ten Years Later. University Park, PA. www.womensstudies.psu.edu.

30 May - June 3. Canadian Association of Geographers Annual Meeting. Thunder Bay, Ontario. http://www.cag-acg.ca/en/cag_annual_meeting.html.

JULY

3-7. IGU Regional Congress. Brisbane, Australia. www.igu2006.org/.

AUGUST

20-25. International Conference of Historical Geographers. Hamburg, Germany. Contact gajek@geowiss.uni-hamburg.de.

SEPTEMBER

20-23. GIScience 2006. Münster, Germany. www.giscience.org/.

2007

17-21. April. AAG Annual Meeting. San Francisco, CA. www.aag.org.

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.

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