

ADVANCING GEOGRAPHY CENTENNIAL FUND

To make a pledge to the Advancing Geography Centennial Fund, mail of fax this pledge form to the AAG. For more information, call the AAG at 202-234-1450 or visit www.aag.org/CF.

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

Giving levels include:

- | | |
|---|-------------------|
| <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 |
| <input type="checkbox"/> \$25,000 and above | Leadership Circle |

This gift will be made as follows:

Total amount enclosed: \$ _____

Plus annual payments of: \$ _____

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

- | | | |
|--------------------------------------|----------------------------------|------------------------------------|
| <input type="checkbox"/> credit card | <input type="checkbox"/> bequest | <input type="checkbox"/> insurance |
| <input type="checkbox"/> real estate | <input type="checkbox"/> other | |

Credit Card: Visa MasterCard

Account Number _____

Name on Card _____

Expiration Date _____

Signature _____

My (our) gift will be matched by my employer

I would like my gift to go toward:

- Advancing Geography Centennial Endowment Fund
- AAG Infrastructure Capital Fund
- Private/Public Membership Development Fund
- Fund the Fundraising Program
- Centennial Meeting Fund
- Enhancing Diversity Fund
- Other _____

Name _____

Address _____

Phone _____

Date _____

Please send this pledge form to:

AAG Advancing Geography Centennial Fund
1710 Sixteenth St. NW, Washington, DC 20009
Fax: 202-234-2744

Continued from page 2 _____

and legislative presence, to not only monitor, but to shape federal policy which impacts geography. The historians have not achieved their substantial gains by simply hoping that legislators would see the value of history education; they have carried that message to them, over and over, every step of the way through the legislative process. They have mobilized constituent support in legislative districts across the country. They have formed coalitions and leveraged the support of multiple professional associations, related interest groups, universities and schools, and a concerned public.

The case for geography education has never been stronger, more persuasive, or easier to make. In almost all other arenas, including research, higher education, geographic technologies, and societal applications, we are experiencing a rising tide for geography. We must find a way to translate this rising tide and the clear and compelling need for geography education at all levels into concrete and substantial federal and state funding opportunities.

To be successful in this and other related policy activities will require developing institutional capabilities within the AAG and other geography organizations to sustain a focused effort over time. It will require dedicated staff resources in Washington, DC, and the help and support of geographers and member institutions across the country. Developing a professional capability to represent geography's interests in federal policy and legislation will not happen overnight; it will take time and a great deal of effort, but the stakes are very high and the time is right. And, of course, if we don't learn from history, we may well be doomed to repeat it. ■

Doug Richardson
drichardson@aag.org

2004 AAG Annual Meeting

Call for Papers

The Annual Meeting of the Association of American Geographers attracts more than 4,000 geographers and related professionals from the United States, Canada, and abroad. Our meeting forum stimulates discussion about research, education, accomplishments, and developments in geography. Your participation is most welcome and encouraged.

The 2004 Annual Meeting will be held at the Marriott in Philadelphia, Pennsylvania. If you are interested in submitting a presentation, please read the following guidelines carefully. In late summer we will release instructions on how to submit your participation/registration fee and abstracts online. If you have any questions about these guidelines please direct them to Oscar Larson at olarson@aag.org.

PRESENTATIONS

An individual may give **one, and only one** of the following types of presentations:

- Paper
- Poster Presentation
- Illustrated Paper

Your presentation should describe the purpose, methods, and conclusions of research you have conducted. **No one may submit or take part in more than one presentation.**

Papers

Abstract submission deadline:
9 October 2003

Twenty minutes will be allotted for presentation and discussion of each paper. Visual aids can greatly enhance communication when they are used properly. Tables and charts prepared for publication rarely are satisfactory in a short oral presentation. Illustrations should be legible when viewed on a screen from a distance of 100 feet. Charts project better than tables. Complex tables and detailed maps are more effective when distributed as handouts than when projected on a screen. The

use of maps is encouraged, because many people in the audience will not know the locations of all places to which you refer.

The AAG provides LCD projectors, 35mm carousel slide projectors, and overhead projectors in all of the meeting rooms. Participants must furnish their own computers and slide trays. Any AV needs other than the standard options mentioned, must be arranged by the attendee at her own expense. If you require AV equipment that is not listed, please contact Oscar Larson at olarson@aag.org.

Illustrated Papers

Abstract submission deadline:
9 October 2003

An illustrated paper is a short (3-5 minute) oral summary of problem, data, method, and findings, followed by one-on-one or small group discussion with interested listeners in poster format. All oral summaries (8 to 12 per session) will be given at the beginning of each illustrated paper session, before participants disperse to the poster boards around the room. Each presenter will post illustrations and other relevant materials on a 4' x 8' poster board supplied by the AAG.

Poster Presentation

Abstract submission deadline:
30 October 2003

Use the poster format for your presentation when your material lends itself to visual rather than verbal communication. Each presentation should make a unified, coherent statement. Materials, both textual and visual, should be of professional quality and be clearly legible from a distance of 4 feet. Graphic materials will be displayed on a 4' x 8' poster board supplied by the AAG. Textual material should be confined to brief statements. Presentations consisting mostly of text are more appropriate as paper presentations.

Nystrom Award Papers

Paper submission deadline:
9 October 2003

Papers submitted for the J. Warren Nystrom Award must be based on a recent dissertation in geography. Eligibility for this award is restricted to persons who have received the Ph.D. since April 2002 and who were paid members of the AAG in 2002, 2003, and 2004. The Nystrom Awards are made from a fund established by J. Warren Nystrom, former executive director of the AAG.

Guidelines for submitting papers for this award differ substantially from those for other papers. Applicants for Nystrom Awards should request details from Oscar Larson at olarson@aag.org, well before the deadline for submission.

ABSTRACTS

Everyone who presents a paper, poster, or illustrated paper must submit an abstract. Abstracts must not exceed 250 words and must be submitted online (www.aag.org). The participation fee must be paid prior to abstract submission, and may be paid online.

The abstract should describe the presentation's purpose, methods, and conclusions. Use the active voice and transmit your research results clearly and concisely. Avoid jargon.

Please adhere to the following format instructions for the body of the abstract:

- Do not put your name and affiliation in the body of the abstract.
- Do not enter the title or your keywords in the body of the abstract. This information will be saved separately.
- Do not use abbreviations.
- Do not use underlining, **boldface** type, *italics*, subscripts, or superscripts.
- Do not include any codes for justification, hyphenation, line height, line centering, margins, spacing, fonts,

page centering, page numbering, suppression, or tabs, in your abstract.

- Do not use bulleted lists.
- Do not include phone numbers or email addresses.
- Do not include your keywords, they will be saved separately.

Your abstract will not be edited, you are responsible for avoiding spelling, grammatical, and typographical errors. Submission of an abstract grants permission for the AAG to include it in the meeting abstract compilation and to disseminate it electronically.

KEYWORDS

Keywords may be compound (such as "political geography"). Keywords should generally be nouns not adjectives or adverbs. Do not use abbreviations. In selecting your keywords, try to think of how someone might want to search for your topic in the abstract volume.

If your presentation is about color cartography, an appropriate keyword might be "cartography-color." Under no circumstance can you use a comma *within* a keyword.

Make certain your geography is not too specific. For example, suppose your paper is about southwestern Kentucky. A user of the abstract volume interested in Kentucky is going to look at the K's, not at the S's. Therefore, either use "Kentucky" or "Kentucky-southwest."

In referring to a systematic subfield, *do use* the word "geography." Use "economic geography" as the keyword and not "economic."

If you have a choice between the plural and the singular form, use the plural. If your keyword could be "race" or "races," use "races."

SAMPLE: Keywords: cartography, atlases, United States.

ORGANIZED SESSIONS

Individuals, groups, and specialty groups may organize sessions at the AAG Annual Meeting. Organized Sessions are a great way to bring distant colleagues together to discuss current research and to

advance your field. If you choose not to participate in a pre-organized session, the AAG Centennial Program Committee will organize your paper into the most germane session available.

- Paper Sessions consist of 5 papers or 4 papers and a discussant. Each paper is expected to conform to the 20-minute time limit.
- Illustrated Paper Sessions consist of 8-12 illustrated papers. Refer to the illustrated paper guidelines for information on format.
- Panel Sessions consist of 4-6 participants. These sessions are 100-minute discussions among the panel and audience members. Formal presentations are not to be part of panel sessions.

ENRICHMENT FUNDS

The Philadelphia Centennial Meeting Program Committee will allocate a total of \$5,000 to support participation of distinguished non-geographers in the 2004 Annual Meeting. Contact the AAG office or visit the Annual Meeting section of the AAG website (www.aag.org/AnnualMeetings.html) for an application form. Deadline for receipt of applications is 9 October 2003.

WORKSHOPS and FIELD TRIPS

Anyone interested in organizing a workshop or field trip for the 2004 Annual Meeting should contact Oscar Larson at olarson@aag.org for the appropriate forms and further information. Proposals must be submitted by 9 October 2003. Workshops and field trips are an excellent way for participants to learn about different areas of geography in an interactive environment. We encourage you to submit your ideas for our consideration.

REQUIREMENTS FOR PROGRAM PARTICIPATION

Anyone interested in the advancement of geography meets the requirements of participation in our Annual Meeting.

You are eligible to give a presentation, or participate in other capacities in the program if you have paid your meeting registration fee prior to submitting your abstract or if you have paid your meeting registration prior to your participation if you do not intend to present.

Eligible participants may present only one paper, illustrated paper, or poster presentation. Participation in the program as a session chair, discussant, panelist, non-presenting co-author, session organizer, workshop organizer, or field trip organizer or leader does not affect your eligibility to present a paper, poster, or illustrated paper. Anyone who participates in more than two events runs the risk of time conflicts that staff will not be able to resolve.

Fees

All participants, except non-attending co-authors, must pay the appropriate participation fee before submitting an abstract. Annual meeting registration fees may be paid online.

Presentation Content

The Annual Meeting of the Association of American Geographers is an open forum for sharing the results of research and teaching in geography and related specialties. The contents of presentations by individuals or groups at the Annual Meeting are theirs alone. The Association of American Geographers neither endorses nor disclaims the conclusions, interpretations, or opinions expressed by speakers at its Annual Meeting. ■

Buttimer Presents Inaugural Pruitt Lecture

On 10 March 2003, Dr. Anne Buttimer, President of the International Geographical Union and Professor of Geography at University College, Dublin, gave the first Evelyn L. Pruitt lecture at Louisiana State University. The lecture, entitled "Landscape, Life, and the Heart of Geography: Pioneering Ideas of Alexander von Humboldt," inaugurated an endowed lecture series intended to encourage women geographers in higher education. The lecture revisited some of Humboldt's key contributions to geographic scholarship in light of current concerns about global changes and environmentally sustainable development.

In addition to the Pruitt lecture, Dr. Buttimer met with faculty and students and led a seminar on "Geography in the New Millennium: Retrospect and Prospect."

Evelyn L. Pruitt, formerly of the Office of Naval Research, established the fund that sponsors both the annual lecture and sponsors geography graduate students at LSU. Amy Sumpter Ford is the first recipient of the endowed assistantship. In addition to the Pruitt endowment, the initial lecture received support from the Boyd Professor Discretionary Fund and the LSU Chancellor's Office. ■

Risa Palm Appointed LSU Executive Vice Chancellor and Provost

Chancellor Mark Emmert recently announced that Risa I. Palm, Dean of the College of Arts and Sciences at the University of North Carolina at Chapel Hill, will be the next executive vice chancellor and provost at Louisiana State University (LSU), effective 1 July 2003.

"We are very excited about Risa Palm joining the LSU community as our new executive vice chancellor and provost," Emmert said. "Risa brings great energy, experience, and academic values to us. There is no doubt that she will help steer LSU toward continued progress on all fronts. Risa is just the sort of provost we all envisioned when we began the search process. I also know that she is thankful, as am I, that her transition will be eased as a result of the marvelous efforts of interim Provost Laura Lindsay, whom we cannot thank enough for her commitment to LSU."

Palm has been an administrator at the University of North Carolina since 1997. From 1991 to 1997, she served as Dean of the College of Arts and Sciences and Professor of Geography at the University of Oregon. Prior to that, she held several administrative positions at the University of Colorado at Boulder, including Associate Vice Chancellor for Research

and Dean of the Graduate School, Associate Vice Chancellor for Academic Affairs, and Associate Dean of the College of Arts and Sciences. She also spent five years on the faculty of the geography department at the University of California, Berkeley.

"LSU is a university with a great tradition and has the promise for an even greater future," Palm said. "I am very excited about the opportunity to work with Chancellor Emmert and the entire LSU community on the 'flagship agenda,' and honored to be joining the distinguished LSU faculty."

Palm graduated from the University of Minnesota with a bachelor's degree in history and a master's degree and Ph.D. in geography. She served as the AAG President in 1984. ■

NOTICE

Beginning July 2003, the AAG Newsletter will be published 11 times a year rather than 12, with a combined July/August Summer issue, as approved by the AAG Council in March 2003. Jobs in Geography listings will continue to run in two consecutive issues. Historically, the AAG Newsletter was published 10 times per year.

Attention Specialty Group Student Competition Organizers

If you are organizing a competition with a deadline before the 9 October Annual Meeting abstract deadline, and wish to run notice of it in the AAG Newsletter, please send your announcement to Heather Baker at hbaker@aag.org by 21 June for the July/August Summer issue or 1 August for the September issue.

Li Appointed to Census Advisory Committee

Dr. Wei Li, Assistant Professor in the Asian Pacific American Studies Program and the Department of Geography at Arizona State University, was selected as member of the U.S. Census Bureau's Census Advisory Committee on the Asian Population. The Committee will participate in meetings, assignments, and working groups related to reviewing ongoing preparations for Census 2010. Dr. Li will serve on a working group that will examine data quality issues. She was selected for her outstanding record of scholarship and technical expertise, as well as her Asian Pacific community involvement.



Li

The Census Advisory Committees are chartered specifically to ensure ongoing input from a diverse group of stakeholders on technical, operational, and policy issues relating to the decennial census, including the planned replacement for the 2010 decennial census long form, the American Community Survey. Five separate race and ethnic advisory committees review planning, research, evaluations, and other aspects of decennial census plans. Their members, who serve 3-year terms, are selected by the Department of Commerce based on their knowledge of the cultural patterns, issues, and data needs of the communities they represent. ■

Anderson Medal Nominations Invited

The deadline for nominations for the 2004 James R. Anderson Medal of Honor in Applied Geography is 1 October 2003. The Anderson Medal is the highest honor bestowed by the AAG Applied Geography Specialty Group. It is awarded annually by the group's board of directors in recognition of highly distinguished service to the profession of geography. It may be awarded to individuals or groups who have contributed notably to the advancement of the profession in one

or more areas of industry, government, literature, education, research, service to the profession, or public service. The award is presented at the Awards Luncheon at the AAG Annual Meeting.

Guidelines for submitting nominations for the 2004 Medal may be obtained from the Meridian Place AAG Office. Submit nominations to Dr. John W. Frazier, Jr., Geography Department, SUNY-Binghamton, Binghamton, NY 13901-6000, or frazier@binghamton.edu. ■

Environmental R&D Funding Gets Push from Congress

Congress boosted federal funding for environmental research and development (R&D) by \$482 million more than the amount requested by the President for fiscal year (FY) 2003, according to a recent analysis by the National Council for Science and the Environment (NCSE) and the American Association for the Advancement of Science (AAAS). Without this congressional action, funding for environmental R&D would have declined 1.5 percent relative to FY 2002.

Funding also increased for environmental R&D in science agencies relative to FY 2002—for the National Science

Foundation by 10.9 percent, the National Oceanic and Atmospheric Administration, 1.1 percent, the Department of the Interior, 0.7 percent, and the Environmental Protection Agency, 10.9 percent. While federal funding for environmental R&D clearly benefited from congressional intercession, it grew at only one-third the rate of total R&D. This is the second year in a row in which federal funding for environmental R&D grew at approximately one-third the growth rate of federal funding for total R&D.

For more information visit www.NCSEonline.org/Updates. ■

Honorary Geographer Nominations Solicited

Every year the AAG designates an individual as that year's AAG Honorary Geographer as a way of recognizing excellence in research, teaching, or writing on geographic topics by non-geographers. Nominations for the 2004 Honorary Geographer are now being solicited.

Nominations should include the complete name and address of the nominee and a concise (500 words maximum) yet specific description of the accomplishments that warrant the nominee's selection as an Honorary Geographer. Biographical and bibliographical information not included in the statement should not

exceed three additional pages of text.

Nominations are due no later than 1 October 2003. Digital submissions to ekhater@aag.org are preferred. Hardcopy nominations should be mailed to Meridian Place AAG Office, Honorary Geographer, 1710 Sixteenth Street NW, Washington, DC 20009-3198. ■

The Earth Exposed

Esther M. Klein Gallery

In honor of the Association of American Geographers Centennial Celebration, the Esther M. Klein Gallery of Philadelphia will present *The Earth Exposed*, an exhibit by geographer Stephen S. Young from Salem State College. During March 2004, the Esther M. Klein Gallery will be holding a series of geography outreach and education programs in association with the exhibit.

The Earth Exposed is an evolving exhibit that presents basic scientific and geographic concepts about remote sensing (satellite imaging) through the display of imagery and installations that enter into the realm of a visual art experience. The exhibit not only shows intriguing visual images that engage the imagination, but also demonstrates various techniques that geographers employ to study the earth from space. The Philadelphia exhibit will have four main sections:

- *Life, Land, Water, and Air*: Remote sensing concepts such as scale, wavelengths of energy, pixelization, and visualization will be explored in the context of the four spheres of earth. In addition to the imagery, there will be a guide

explaining these spheres and concepts in more detail.

- *Philadelphia and the World*: A collage of over 30 images will link Philadelphia with images from all over the world. The locations depicted are based on cultural and environmental links to Philadelphia. Accompanying the images will be an interactive guide where the viewer can test their geographic knowledge by guessing where the locations are, what cultural or environmental link they have to Philadelphia, and what kind of sensor took the image.
- *Philadelphia from Space*: A large-scale Landsat TM collage will show Philadelphia and surrounding environments from space.
- *Remote Sensing as Art*: The practical attributes of remotely sensed imagery will take a back seat to aesthetic issues and their ability to operate as metaphor, opening the technical facts and information embedded in each image to a larger arena for contemplation.

The Esther M. Klein Gallery is a self-supporting branch of the University City Science Center in Philadelphia. Established in 1976, the Klein Art Gallery has shown the works of over 2000 artists. The Gallery's outreach program provides hundreds of school-aged students with free art education programs and access to the gallery exhibits. *The Earth Exposed* will be part of the gallery's *Art-in-Science Exhibition Series*, which is inspired by the Klein's affiliation with the University City Science Center. Past artists have included R. Buckminster Fuller, Bruce Pollock, Richard Torchia, Phil Simkin, Sue Horvitz, Warren Angle, and others. For more information about the gallery, visit <http://www.kleinartgallery.org/aboutgallery.htm>.

As the Association of American Geographers move into their second century, this exhibit not only celebrates the technical ability of geographers to study the earth, but also demonstrates the breadth of geography in that the exhibit and its associated geographic outreach is being held in a major art gallery. ■

Stephen Young
syoung@salemstate.edu

Geographical Treasures Sought for Auction

Among the many meeting festivities planned to celebrate the AAG's centennial in Philadelphia, a silent auction, sure to capture the attention of the savvy geographer, the curious passerby, and the collector, has been added to the calendar. This event aims to assemble a large body of items (as well as trips and event tickets) that are broadly geographic in nature, to auction in support of the AAG's Advancing Geography Centennial Fund.

From tangibly geographic items like antique navigational aids, rare books or atlases, maps of value, and geographic memorabilia, to geographic art works, including artifacts from special places and landscape paintings, donated items for the

auction are being sought by the Centennial Meeting Local Support Committee.

The auction might also include items such as a week in a London flat (to support study at the RGS, of course), guided fieldtrips or tours, a training course with GIS software, "regional cuisine" dinners, or use of vacation homes in places of interest to geographers. The breadth and diversity of the discipline ensure that a variety of geographic items will be available. Companies might offer French wines, laptop computers or software, GPS receivers, airline tickets, outdoor gear and equipment, or hotel stays in selected cities.

Items donated are tax deductible at their market value, and all proceeds will benefit

the AAG's Advancing Geography Centennial Fund. If you, a family member, or a business you know, has something to contribute to the auction, please contact Arlene Rengert (arengert@wcupa.edu, 610-436-2746) or Denyse Lemaire (lemaire@rowan.edu, 856-256-4811), Co-Chairs of the 2004 Local Support Committee (LSC). Upon request, the LSC will also email or mail material describing the procedures of a silent auction. ■

Arlene Rengert
arengert@wcupa.edu

Geospatial Technology Report Now Available

The Geospatial Information and Technology Association (GITA) has recently published the 2002 edition of the *Geospatial Technology Report: A Survey of Organizations Implementing Geospatial Information Technologies*. The yearly report contains detailed information on the complexity, direction, and completeness of geographic information systems (GIS)

projects being implemented at 187 infrastructure-based organizations. In addition to comprehensive cross-industry analyses and trends, the 91-page report on CD provides detailed information on five industry sections: electric, gas, pipeline, telecommunications, and water/sewer/storm. Information in each industry section focuses on landbase accuracy, sophis-

tication, maintenance cycles, application usage, and interfaces. The report is provided free of charge to survey participants, and is available for purchase to GITA individual members for \$125 and \$175 to nonmembers. For more information, please visit www.gita.org. ■

TCU Gains Geography Major

Texas Christian University (TCU) in Fort Worth Texas has instituted a new major in geography starting this fall. TCU currently has approximately 20 geography minors. The Department of History will soon be renamed the Department of History and Geography and consist of two professors, Drs. Benjamin Tillman and Jeffrey Roet. Dr. Michael Slattery from the Department of Geology will also teach courses within the new major. Course offerings include World Regional Geography, Human Geography, Latin America, Western Europe, United States, Cultural, Urban, Weather and Climate, and Geomorphology. The major will have a very active study abroad component with field trips to Mexico, Honduras, Guatemala, Italy, France, Scotland, and Australia. For more information about the major, please contact Jeffrey Roet at j.roet@tcu.edu. ■

Fulbright Distinguished Chairs Program

The Fulbright Distinguished Chairs Program is currently accepting applications for the Trieste Chair in Geography. As chair, the candidate will teach undergraduate and graduate courses or tutorials in political, economic, or cultural geography in the Department of Geography, University of Trieste, for three months beginning March 2005.

To apply, submit the following materials to Daria Teutonico, Assistant Director, Europe/Eurasia, Fulbright Scholar Program, Council for International Exchange of Scholars at dteutonico@iie.org or by fax to 202-362-3442.

1. A detailed letter of interest (about three pages), including a statement outlining your suitability for the position and professional reasons for seeking the appointment. You may apply for only one chair but may indicate your interest in others for which you are qualified.

2. A curriculum vitae (limit of eight single-sided pages). Please include for tracking reasons, the following information:

- your date of birth
- work and home addresses and telephone numbers
- your email address
- how to reach you in July

3. A sample syllabus (up to four pages) for a course that you would propose to teach if you received the chair appointment or a syllabus for a course you have previously taught that you would adapt to teach as the chairholder. If you provide a syllabus for a course that you previously taught, please address in your letter of interest how you might adapt the course to meet the requirements of the host institution.

You do not need to fill out the Fulbright application form at this time. If after the review committee meets in June your application materials are recommended for further consideration, you will then be asked to fill out the Fulbright application form and send it in by 1 August 2003. For detailed information about the award and a complete list of requirements, visit www.cies.org/ab_dc/ or call 202-686-6245. ■

**Celebrate the AAG's 100th Anniversary! Attend the 2004 AAG Centennial Meeting.
14-19 March • Philadelphia, PA**

Kevin Blake, Kansas State University, received one of the university's four Presidential Awards for Excellence in Undergraduate Teaching. The purpose of these awards is to recognize excellence in teaching performance in the undergraduate program by the senior staff of the university, and to provide an incentive to achieve that goal.

Wendy R. Eisner, **Kenneth M. Hinkel**, and **Richard A. Beck**, Department of Geography, University of Cincinnati, in collaboration with **James G. Bockheim**, Department of Soil Science, University of Wisconsin-Madison, received a grant of \$249,924 from the National Science Foundation's Office of Polar Programs for the period April 2003 through March 2005. The award, entitled "Collaborative Research: Investigation of Paleoenvironment, Geomorphic Processes, and Carbon Stocks of Drained Thaw-Lake Basins, Arctic Coastal Plain, Alaska," builds on work done on the Barrow Peninsula during 2000-2002.

This is a study of the origin and associated geomorphological, ecological, and pedological processes of thaw lake basins of the Arctic Coastal Plain, Alaska. The research uses high-resolution multispectral satellite data, ground-penetrating radar, and extensive coring to estimate the amount of carbon sequestered in the drained basins. Radiometric dating, microfossil analysis, and soil development are being used to determine whether carbon accumulation rates respond to regional changes in climate or if they are influenced by local rates of plant succession. The scientists will work with the Barrow community to investigate the traditional knowledge of local elders, who have primary and secondary information on recent lake drainage and flooding events.

Sally Horn, University of Tennessee, was awarded a grant from the National Science Foundation for \$191,000 to study lake-sediment records of Holocene climate, vegetation, fire regimes, and

human-environment interactions in northwestern Costa Rica. **Kurt Haberyan** of Northwest Missouri State University is a research associate on the project.

William Moseley, Macalester College, and **Montgomery Roper**, Grinnell College, received a grant from the Associated Colleges of the Midwest to fund a faculty workshop entitled "Research and Pedagogy in Political Ecology: An Interdisciplinary Workshop on Environment and Development Studies." The workshop will be held 24-25 October 2003 at Macalester College (Saint Paul, MN).

Ken Orvis, **Henri Grissino-Mayer**, and **Sally Horn**, University of Tennessee, were awarded a grant from the National Science Foundation for \$153,000 to study tree-ring records of climate history in the Dominican Republic. The study will also elucidate the ecology of *Pinus occidentalis* and enable fire history studies in the Cordillera Central. **Jim Speer** of Indiana State University is a research associate on the project. ■

Grants and Competitions

Research Associate Awards Available

The National Research Council offers 350 Research Associateship awards for postdoctoral scientific and engineering research at participating federal laboratories in the United States and overseas. Awards are made to doctoral level scientists and engineers who can apply their special knowledge and research talents to research areas that are of interest to them and to the host laboratories and centers. Awards are made to Postdoctoral Associates (within five years of the doctorate) and Senior Associates (normally five years or more beyond the doctorate). The postmark deadline for the summer review is 1 August 2003. Applications may be submitted online or in hardcopy. For more information please visit www.national-academies.org/rap. ■

Award Deadlines

JUNE

4. National Science Foundation, Science and Technology Centers (STC) competitions. Contact Richard Aspinal (raspinal@nsf.gov) or Thomas Baerwald (tbaerwal@nsf.gov) for more information.

JULY

15. Women's International Science Collaboration Program, www.aaas.org/international/wiscnew.shtml.

AUGUST

1. Fulbright traditional lecturing and research grants worldwide. Contact the Council for International Exchange of Scholars at 3007 Tilden St. NW, Suite 5L, Washington, DC 20008-3009, 202-686-7877, or email apprequest@cies.iie.org.

1. National Research Council Research Associateship awards, <http://www.national-academies.org/rap>.

15. Hazards Specialty Group student paper competition. Contact Jerry Mitchell at jmitchel@bloomu.edu.

SEPTEMBER

15. Helen and John S. Best Research Fellowships from the American Geographical Society Library, University of Wisconsin-Milwaukee Libraries. Contact the AGS Library at agsl@uwm.edu.

29. Grosvenor Grant Program of the National Geographic Society Education Foundation (NGSEF). Contact: grosvenorgrants@ngs.org.

OCTOBER

15. McColl Family Fellowship travel grants for research abroad. Contact American Geographical Society, 120 Wall St., New York, NY 10005, or AGS@amergeog.org, or see the scholarships page on the AGS website, www.amergeog.org. ■

1954: The Fiftieth Anniversary Meeting of the

As we anticipate the centennial of the Association of American Geographers in 2004, let us pause for a look back to our Golden Anniversary. In 1954, and as it plans to do in 2004, the Association commemorated its founding at the place of its birth. It was in 1904, in College Hall on the campus of the University

of Pennsylvania, that twenty-six geographers, attending the American Association for the Advancement of Science (AAAS), met and established the AAG.

Fifty years later, some 600 geographers convened in Philadelphia at the University of Pennsylvania and the Penn Sherwood Hotel (now long gone from the cityscape),

for the 50th Anniversary of the AAG's founding. The Local Arrangements Committee was comprised of William F. Christians of Penn (Chairman); Gilbert F. White, president of nearby Haverford College; and three young men—James J. Flannery (a recent Wisconsin Ph.D.), James P. Latham, and Donn Haglund, both instructors at the





Where's Whitaker?

Geography historians and archivists are trying to identify the attendees of the 1954 AAG Meeting.

If you recognize anyone in this photo (see page 12-13), please send names or corrections to the names listed here, along with the person's table letter and number, to Chris Baruth at cmb@uwm.edu.

Each table in the photograph above is assigned a letter (letters run alphabetically from left to right and from the front to back of the banquet room), and each person is labeled with the letter from their table and a number (numbers run counterclockwise around the table). ■

Attendees

- | | | |
|--------------------|----------------------|------------------------|
| A3. Ruth E. Baugh | F4. Paul Lydolph | N5. Lillian Meyer |
| A6. Wm. Pierson | F7. Mary Jo Reed | N6. A. H. Meyer |
| A7. M. Burrill | F9. Ben Richason | O1. Walter Ristow |
| B6. Eliz Eiselen | F10. Bev. Richason | O3. Richard Hartshorne |
| C2. J. Alexander | G3. Walter Bailey | O4. H. Mayer |
| C3. R. Murphy | G8. Al Munn | O6. A. Cerlach |
| C4. A. Melemid | H2. L Hewes | P1. Wilma Fairchild |
| C6. E. Ullman | H3. S. W. Boggs | P4. John Weaver |
| C7. C. Harris | H6. Betty Didcott | P5. H. H. McCarty |
| D1. Wes Calef | H10. Homer T. Shantz | Q7. Eloise Latham |
| D2. John Garland | I5. Richard Logan | Q8. James P. Latham |
| D6. A. Clark | I9. Dan Stanislawski | T1. Lester Klimm |
| D7. Les Hewes | K3. Bob Basius? | T5. D. Whittlesey |
| D8. G. Hoffman | L1. Erwin Raitsz | T7. J. R. Smith |
| D9. Howard Melson | M4. E. Espenshade | T9. Joe Russell |
| E3. Frank Williams | M10. Roger E. Erwin | T10. J. R. Whitaker |
| E4. Willard Miller | N3. David Basile | T13. Guy H. Smith |
| F2. B. Zaborski | N4. J. Sull. Gibson | T15. J. R. Wright |
| | | T17. L. Qam |
| | | T18. P. E. James |

Geographic Centers

University of Louisville Department of Geography and Geosciences

The former City of Louisville recently merged with Jefferson County, Kentucky to form the 16th largest city in the United States as one of seven "consolidated cities," as defined by the Bureau of the Census. After the enabling act was passed and prior to the election in which the merger won approval of the voters, Dr. William Dakan of the Department of Geography and Geosciences at the University of Louisville, was designated in the enabling act to draft, without any political body, incumbent, or commission oversight, the boundaries of the 26 metro commission

districts. Although minority representation was considered a critical issue, along with compactness and community cohesiveness, political critics of the resultant districts complained that no more than three of the 26 would have minority representation. Professor Dakan maintained that at least four districts would have minority representatives. Ultimately, six African-Americans were elected to the Council.

Subsequent to the election of the metro mayor, Jerry Abramson (former mayor of the City of Louisville), the University, and the metro government worked out an agreement that would appoint Dr. Dakan as the official "Metro Geographer," who would, as the need arises, provide consultation and analysis to the city on issues related to economic and population

geography. As far as the city and the university know, the position is the first "city geographer" to be so designated.

Dr. Dakan received the Grady Clay Award (named for the former urban editor of the *Courier Journal* and frequent commentator and author on landscape issues), established to recognize "the citizens whose public life and work emphasize local and regional planning and design, and who have operated at a national level while maintaining nourishing roots in their own community." The award is presented by the Community Design Center, a local non-profit community development organization. Past recipients include Grady Clay, Jerry Abramson, and Patricia Rouse. ■

Call for Papers

The Pennsylvania Geographer

The editors of *The Pennsylvania Geographer*, a peer-reviewed, semi-annual journal of the Pennsylvania Geographical Society, are soliciting manuscripts for the Fall/Winter 2003 edition. The journal is in its 41st consecutive year of publication.

The general topic for this edition of the journal is geography and business. Papers dealing with these themes, or any other geographical topics, will be considered for publication.

The deadline for submitting material for the Fall/Winter 2003 issue is 15 August 2003. Please send manuscripts and/or inquiries to Dr. William B. Kory, Editor, or Dr. Gregory Faiers, Associate Editor, *The Pennsylvania Geographer*, Geography Department, University of Pittsburgh at Johnstown, Johnstown, PA 15904, or to KORYUPJ@pitt.edu.

Topics for future issues include: Spring/Summer 2004, "Africa in Transition" (deadline for receiving material is 15 February 2004) and Fall/Winter 2004, "Applied Geography" (deadline for receiving material is 15 August 2004). Visit *The Pennsylvania Geographer* on the web at <http://faculty.upj.pitt.edu/geography/pageographer/>.

Rhetorics of Place

Original essays are invited for a collection tentatively entitled *Rhetorics of Place*. According to the editors of this collection, "[T]he concept of 'place' operates at the crossroads of current social, political, economic, and environmental issues. As educators we also believe that the exploration of "place" provides the opportunity for bridging academic knowledge and students' everyday experiences." Submissions supporting these themes are encouraged from a range of disciplines and perspectives in the hopes of developing a reader that provides an interdisciplinary overview of the current discussions concerning "place" for the college classroom.

Of particular interest are essays that integrate practice and theory. Authors are encouraged to explore both with the form and content of submissions. The deadline for submission is 1 August 2003. Essays should be 12-25 pages and in MLA format. Please submit essays and proposals electronically to mdbent3@uky.edu.

This collection is jointly edited by Michael Benton (Illinois State University), Wes Houp (Indiana University of Pennsylvania), and Melissa Purdue (University of Kentucky).

4th Annual Western Pennsylvania GIS Conference

The Earth Sciences Department at California University of Pennsylvania (CUP) invites presentations to the 4th annual Western PA GIS conference, on the subject of geographic information systems applications in the public, private, or academic sector. The conference will be held at CUP's Southpointe Campus on Friday 5 September 2003 from 9 a.m. to 4 p.m. The cost is \$35 and includes coffee, doughnuts, and a lunch.

To present research and/or a particular GIS product, please submit a 100 – 150 word abstract and a completed application (applications at www.cup.edu/liberalarts/earthscience/gis/) to Dr. Thomas Mueller. Each presentation should be 20 minutes long, with five minutes for questions. All proposal registration forms must be received no later than 14 July 2003. For more information, please contact Thomas R. Mueller at 724-938-4255 or mueller@cup.edu. ■

AAG welcomes these new members whose memberships were processed during the last month

Maura Abrahamson, Highland Park, IL
 Christie Anderson, Buffalo, MO
 Julie M. Annino, Middletown, CT
 Eric F. Armijo, College Park, MD
 Barbie Bischof, Miami Beach, FL
 Jennifer Brocious,
 Colorado Springs, CO
 Donna Brunskill, Aurora, SD
 Alessandro Califano, L'Aquila, Italy
 Papia Chatterjee, Montreal, PQ
 Georges Cravins, Melrose, WI
 Fred Czarra, Saint Marys City, MD
 Stefan Eguizábal, Montreal, PQ
 Mia Fuller, Berkeley, CA
 Jacqueline Horsford,
 Mount Tremper, NY

Thomas Humber, Fountain, CO
 Sarah Jessen, Gillette, WY
 Heidi Johnson, Hollis, ME
 Andrea Keller, Zionsville, IN
 Tyler Kelly, Columbia, MO
 George Scott Koehm, Fullerton, CA
 Spencer Logan, Bozeman, MT
 Herbert Longenecker, III, Mobile, AL
 Heather Lull, Grant, MI
 Chuck Mccallum, Ellenwood, GA
 Larry A. Moncrief, Roanoke, AL
 Aaron Mount, Belmont, CA
 Jeffrey Patton, Greensboro, NC
 Joycelyn Pauloo, El Segundo, CA
 Ana Perry, Anderson, IN
 Rhonda Robb, Portland, OR

Matt Rosenberg, Ventura, CA
 Naomi Santoni,
 Hastings-on-Hudson, NY
 Jeffrey Schaffer, Napa, CA
 Meredith Schmidt, Denver, CO
 Julie Silva, Piscataway, NJ
 Irina K. Soha, Bozeman, MT
 Stephen Sovick, Edison, NJ
 Ben Stinson, Mississippi State, MS
 Matthew Therrell, Fayetteville, AR
 John W. Totty Jr., Athens, GA
 Brian Vislusky, Leesburg, VA
 Peter J. Wentis, Colorado Springs, CO
 Anne B. Wiegler, Pottstown, PA
 Michael B. Wolf, Rock Island, IL
 Jianjun Zhang ■

New Appointments

Florida Atlantic University. Liem Tran, Ph.D., 1999, University of Hawaii, Assistant Professor.

Florida Atlantic University. Zhixiao Xie, Ph.D., 2002, SUNY-Buffalo, Assistant Professor.

University of Houston-Clear Lake. Jennifer Speights-Binet, Ph.D., 2003, Louisiana State University, Assistant Professor. ■

Members of Note

The wisdom of University of Minnesota geographer **John Adams** was the basis for an editorial in the *Star Tribune* (Minneapolis) on Sunday 2 March 2003.

Arnold Hougham, recently named Vice President of Sales and Product Marketing, will lead the overall worldwide sales and marketing efforts for PCI Geomatics. A graduate of the University of Waterloo geography master's degree program, Hougham has been with the company since 1989, and has been involved in product sales for over 13 years. ■

2003-2004 Guide to Geography Programs Accepting Submissions

The AAG is now accepting submissions for the 36th edition of the *Guide to Geography Programs in North America and AAG Handbook and Directory of Geographers*. The deadline for submission is **2 July 2003**. The *Guide* serves as a complete and invaluable reference for faculty, prospective students, government agencies, and private firms in the United States, Canada, and throughout the world. Listing in the *Guide* will ensure that geographers and prospective students can learn what your program does and will know how to reach you.

If your institution listed in the 2002-2003 edition of the *Guide* and has not yet received submission materials, or wishes to be listed but did not list last year, please contact Megan Nortrup at guide@aag.org or 202-234-1450. ■

Books Received

- Andrey, Jean and Knapper, Christopher, eds. *Weather and Transportation in Canada*. Waterloo, Ontario: University of Waterloo, Department of Geography, Publication No. 55, 2003. 290 and 15 pp., n.p., ISBN 0-911083-65-3.
- Bale, John. *Sports Geography*. Second Edition. London and New York: Routledge, 2003. 196 pp., \$34.95, ISBN 0-419-25230-4 (paper).
- Bradford, James C., ed. *Oxford Atlas of American Military History*. New York, NY: Oxford University Press, 2003. 248 pp., \$50.00, ISBN 0-19-521661-X (cloth).
- Brakman, Steven; Garretsen, Harry; and van Marrewijk, Charles. *An Introduction to Geographical Economics*. New York: Cambridge University Press, 2001. 350 and 22 pp., \$33.00. ISBN 0-521-77967-7 (paper).
- Butcher, Jim. *The Moralisation of Tourism: Sun, Sand . . . and Saving the World*. London and New York: Routledge, 2003. 165 pp., \$28.95. ISBN 0-415-29656-0.
- Ciattoni, Annette and Veyret, Yvette. *Les Fondamentaux de la Géographie*. Paris: Armand Colin, 2003. 219 pp., 17€, ISBN 2-200-26264-7 (paper).
- Claval, Paul. *Géographie Culturelle: Une Nouvelle Approche des Sociétés Milieux*. Paris: Armand Colin, 2003. 287 pp., 23€, ISBN 2-200-26360-0 (paper).
- Coggins, Chris. *The Tiger and the Pangolin: Nature, Culture, and Conservation in China*. Honolulu: University of Hawai'i Press, 2003. 339 and 11 pp., \$55.00, ISBN 0-8248-2506-3.
- Connell, John and Gibson, Chris. *Sound Tracks: Popular Music, Identity and Place*. London and New York: Routledge, 2003. 320 and 12 pp., \$29.95, ISBN 0-415-17028-1.
- Cutter, Susan L.; Richardson, Douglas, B.; and Wilbanks, Thomas J., eds. *The Geographical Dimensions of Terrorism*. London and New York: Routledge, 2003. 274 and 21 pp., \$85.00, ISBN 0-415-94641-7 (cloth); \$24.95, ISBN 0-415-94642-5 (paper).
- Driesen, David M. *The Economic Dynamics of Environmental Law*. Cambridge, MA: MIT Press, 2003. 268 and 8 pp., \$24.95, ISBN 0-262-54139-4.
- El Katsha, Samiha and Watts, Susan. *Gender, Behavior, and Health: Schistosomiasis Transmission and Control in Rural Egypt*. Cairo, Egypt: The American University in Cairo Press, 2002. 229 and 20 pp., \$27.50, ISBN 977-424-728-0 (paper).
- Firebaugh, Glenn. *The New Geography of Global Income Inequality*. Cambridge, MA: Harvard University Press, 2003. 257 and 3 pp., \$49.95, ISBN 0-674-01067-1.
- Grazulis, Thomas P. *The Tornado: Nature's Ultimate Windstorm*. Norman, OK: University of Oklahoma Press, 2001. 324 and 19 pp., \$19.95, ISBN 0-8061-3538-7.
- Jackson, John N.; Burtiak, John; and Stein, Gregory P. *The Mighty Niagara: One River—Two Frontiers*. Amherst, New York: Prometheus Books, 2003. 494 pp., \$35.00, ISBN 1-57392-980-8 (cloth).
- Lasch-Quinn, Elisabeth. *Race Experts: How Racial Etiquette, Sensitivity Training, and New Age Therapy Hijacked the Civil Rights Revolution*. Lanham, MD: Rowman and Littlefield, 2002. 267 and 18 pp., n.p., ISBN 0-7425-2759-X.
- Logan, William S., ed. *The Disappearing 'Asian' City: Protecting Asia's Urban Heritage in a Globalizing World*. New York: Oxford University Press, 2002. 285 and 21 pp., n.p., ISBN 0-19-592105-4.
- Miles, Malcolm and Hall, Tim, eds. *Urban Futures: Critical Commentaries on Shaping the City*. London and New York: Routledge, 2003. 228 and 6 pp., \$100.00, ISBN 0-415-266939 (cloth).
- Musterd, Sako and Salet, Willem, eds. *Amsterdam Human Capital*. Amsterdam: Amsterdam University Press, 2003. 399 pp., n.p., ISBN 90-5356-595-7.
- Smith, Neil. *American Empire: Roosevelt's Geographer and the Prelude to Globalization*. Berkeley and Los Angeles, CA: University of California Press, 2003. 537 and 27 pp., \$39.95, ISBN 0-520-23027-2 (cloth).
- Steinberg, Philip E. *The Social Constitution of the Ocean*. New York: Cambridge University Press, 2003. 239 and 12 pp., n.p., ISBN 0-521-80443-4.
- Stepick, Alex; Grenier, Guillermo; Castro, Max; and Dunn, Marvin. *This Land is Our Land: Immigrants and Power in Miami*. Berkeley, CA: University of California Press, 2003. 192 and 8 pp., \$19.95 paper, ISBN 0-520-23398-0.
- Tuan, Yi-Fu. *The Good Life*. Madison, WI: University of Wisconsin Press, 2003. 191 and 8 pp., \$19.95, ISBN 0-299-10544-X.
- Turnock, David. *The Human Geography of East Central Europe*. London and New York: Routledge, 2003. 423 and 23 pp., \$145.00, ISBN 0-415-12191-4 (cloth).
- Walzer, Norman, ed. *The American Midwest: Managing Change in Rural Transition*. Armonk, NY: M.E. Sharpe, 2003. 304 and 14 pp., \$26.95 ISBN 0-7656-1122-8 (paper).
- Yonemoto, Marcia. *Mapping Early Modern Japan: Space, Place, and Culture in the Tokugawa Period (1603-1868)*. Berkeley, CA: University of California Press, 2003. 234 and 15 pp., \$49.95, ISBN 0-520-23269-0.
- Zerner, Charles, ed. *Culture and the Question of Rights: Forests, Coasts, and the Seas in Southeast Asia*. Durham, NC: Duke University Press, 2003. 289 and 12 pp., \$19.95, ISBN 0-8223-2813-5 (paper). ■

Jobs in Geography

UNITED STATES

***CALIFORNIA, BERKELEY 94720-3110.** We seek a **Postgraduate Researcher** at the University of California, Berkeley. Proposed dates are 1 July 2003 through 30 June 2004 with a salary range of \$31,044 to \$64,020 per annum depending on experience. Responsibilities include conducting field surveys of schistosomiasis infection of risk populations, GPS survey snail distribution, inputting the data into a GIS database, and integrating the analysis and assessment of various socio-economic factors with the environmental conditions derived from high resolution satellite images into a spatio-temporal model of schistosomiasis infection and preparing manuscripts for publication.

A Bachelor's Degree in economics is preferred. A combination of background in economics, knowledge of GIS and image analysis and spatio-temporal model and fluency in the Chinese language is required. Solid training in environmental data analysis with strong mathematical skills is highly desirable.

Applicants should submit a letter of interest, a curriculum vitae and contact information for at least three references to the address below. JUN 03-83-1b.

Apply: Dr. Peng Gong, 151 Hilgard Hall, University of California, Berkeley, CA 94720-3110. Voice 510-642-5170. Email Gong@nature.berkeley.edu.

Applications should be received by 15 June 2003. UC is an Equal Opportunity/Affirmative Action Employer.

***CALIFORNIA, OAKLAND 94607.** Cambridge Systematics (CS), a nationally acknowledged leader in transportation consulting is seeking an entry level **GIS Programmer/Transportation Modeler** for our rapidly growing Oakland California office. This is an excellent opportunity to work with a growing team of GIS and travel demand modelers to provide GIS support and development on travel demand forecasting and other transportation modeling projects. This position will provide the opportunity to work with cutting edge GIS-T modeling packages performing development, programming, Geodatabase design, and implementation on a variety of exciting assignments. The ideal candidate will have a Master's degree in Geography or related field or Bachelor's degree with equivalent

years of experience. Demonstrated experience working on programming for ArcGIS, ArcIMS, is required and experience with travel demand/GIS packages including TransCAD is desirable. GIS programming experience in Visual Basic, VBA, Java, JavaScript, or C++ is also highly desirable. Other key qualifications include; strong quantitative skills in statistics, mathematics, and econometrics; strong oral and written communications skills; demonstrated interest in transportation and working knowledge of travel demand forecasting. Proven ability to work under tight deadlines is a must. JUN 03-85.

A text-formatted resume may be sent electronically to resume@camsys.com. Please place job code: TDF000022 in the subject line of your e-mail.

***CALIFORNIA, SAN LUIS OBISPO 93407.** Cal Poly. Social Sciences -One year, Full-Time **Lecturer** position available for the 2003-2004 academic year in the Department of Social Sciences, Cal Poly, San Luis Obispo, CA

(Requisition #100072). For details of position, qualifications and application instructions, please visit www.calpolyjobs.org. Closing Date: 13 June 2003. EEO. JUN 03-86-1.

***IOWA, IOWA CITY 52242.** The University of Iowa. **Three visiting Assistant Professor** positions in the Department of Geography, beginning August 2003. Ph.D. at time of appointment and teaching experience are desired. Teaching responsibilities for each position will include a combination of undergraduate and graduate instruction. Teaching load will be three courses each semester.

Position one: Research and teaching interests in **physical geography** are required. Expertise in climatology, remote sensing, or water resources is desirable.

Position two: Research and teaching interests in **international development** are required. Expertise in world cities and Africa is desirable.

Position three: Research and teaching interests in **human-environment interactions** are

"Jobs in Geography" lists positions available with U.S. 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 (e.g., 1 January for February issue). Readers will receive their *Newsletter* copies between the 5th and the 15th of the month. Schedule job closing dates with these delivery dates in mind.

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

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

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

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

* Indicates a new listing

required. Expertise in natural resources policy and environmental conservation is desirable.

Applicants should submit a letter of application describing their research and teaching interests (along with any evidence of teaching effectiveness) and a vita. They are also responsible for having three letters of reference sent. All materials should be mailed to the address below. JUN 03-81-1.

Apply: Marc P. Armstrong, Chair, Department of Geography, 316 Jessup Hall. Voice 319-335-0153. Fax 319-335-2725. Email marc-armstrong@uiowa.edu. Screening will begin 15 May 2003. The University of Iowa is an Affirmative Action/Equal Opportunity Employer; women and minorities are strongly urged to apply.

***KENTUCKY, MURRAY 42071. Postdoctoral Research Associate.** Center for Reservoir Research (CRR), Murray State University. Full time, non-tenure track position to begin 15 August 2003. Qualifications: Ph.D. required by time of hire in environmental geosciences, hydrology/hydrogeology, or closely related discipline, with emphasis in watershed and/or hydrological/biogeochemical modeling. Experience with or exposure to 2-D and 3-D watershed and/or reservoir modeling, CE-QUAL-W2 modeling, landscape ecology models, and/or GIS/Remote Sensing is required. Experience with AGNPS models is desired but not required. Record of publications in appropriate journals. Responsibilities: To conduct research with CRR faculty that complements Murray State University's interdisciplinary research activities in watershed and reservoir science. Application deadline is 1 July 2003.

Send a letter of application including a statement of research interests, current vitae and the names, addresses, phone numbers and e-mail addresses of at least three references to the address below. JUN 03-82-1.

Apply: Dr. Haluk Cetin, Department of Geosciences, Wilson Hall, Room 104A, Murray State University, Murray, KY 42071. Voice 270-762-2085. Email Haluk.Cetin@Murraystate.edu. Women and minorities are encouraged to apply. Murray State University is an equal education and employment opportunity, M/F/D, AA employer.

***LOUISIANA, RUSTON 71272.** Louisiana Tech University. The Department of Social Sciences seeks a broadly trained **human geographer** to fill a tenure track position as **Assistant Professor of Geography**, beginning September 2003. A

PhD in Geography is required, although ABD candidates nearing completion are also encouraged to apply. The successful candidate will be required to teach introductory courses in Human Geography, GIS/Cartography plus Introduction to Physical Geography and will be able to teach a variety of upper division courses in his/her specialty area. The normal teaching load is three courses per quarter. A strong commitment to or evidence of teaching at the undergraduate level, scholarship/research activity, and good interpersonal and collegial skills, are expected. Please send letter of application, curriculum vitae, unofficial transcripts, and three current letters of recommendation to the address below. JUN 03-80.

Apply: Robert K. Toburen, Head, Department of Social Sciences, Louisiana Tech University, Ruston, LA 71272. Review of applicants will begin immediately and continue until the position is filled. Louisiana Tech University is an Equal Opportunity Employer. Minorities and women are encouraged to apply. Louisiana Tech University is a member of the University of Louisiana system.

MICHIGAN, BIG RAPIDS 49307. Geography (9-month, full-time temporary) to teach **undergraduate geography**, possibly off-campus; contribute to the development of a new environmental studies major; and contribute to the on-going development and activities of the Social Sciences Department. Required: Masters in geography with expertise in physical, weather and climate, and world regions; commitment to undergraduate teaching and evidence of quality teaching. Must demonstrate the potential for teaching excellence; possess ability to contribute to the ongoing development of the department; and have interpersonal and communication skills sufficient to work effectively with a diverse array of students and colleagues. Preferred: Ph.D. and ability to use computers in instruction. Review of applications begins immediately and continues until filled. Submit a cover letter, resume, three current letters of reference, and unofficial graduate transcripts to the address below. MAY 03-74.

Apply: JOB CODE JIG-18211, Ferris State University, 420 Oak St., PRK-150, Big Rapids, MI 49307. For more information about Ferris, visit our web site at: <http://www.ferris.edu>. An eeo/aa employer.

***OREGON, PORTLAND 97205. GIS Analyst -** Conduct Spatial Analysis on GIS datasets using ArcInfo, ArcView, and ArcGIS, write programs using AML and Avenue to automate/

facilitate data production, and perform advanced quality control checks on GIS datasets and equipment. Master Degree in Geography or Environmental Studies and one year of experience as a GIS Intern required. 8-5, 40 hours per week. Mail resume to Mason, Bruce & Girard, Inc., 707 SW Washington St., Suite 1300, Portland, OR 97205. JUN 03-88.

***SOUTH CAROLINA, COLUMBIA 29208.** University of South Carolina. The Department of Geography seeks a **visiting Assistant Professor in Human or Regional Geography** for a nine-month academic year beginning 15 August 2003 with possibility for summer 2004. The position provides competitive salary and full benefits as well as access to campus and departmental resources. Preference will be given to applicants with Ph.D. in geography. Teaching responsibilities will include courses in introductory, world regional and/or human geography. Deadline 15 June 2003. Please send a letter of application, CV, and names and addresses (including email) of two referees. JUN 03-84-1.

Apply: Dr. David Cowen, Chair, Department of Geography. Voice 803-777-5234. Fax 803-777-4972. Email cowend@sc.edu. See our web site www.cla.sc.edu/geog for additional information about the department. The University of South Carolina is an Equal Opportunity/Affirmative Action Employer.

TEXAS, KINGSVILLE 78363. Texas A&M-Kingsville. Contingent on funding, the Department of Physics/Geosciences anticipates having a non-tenure-track opening for a **Visiting Assistant Professor in Geosciences**. Candidates should have, or be completing work on, a Ph.D. in Remote Sensing or equivalent, with preference going to candidates with a strong background in Geology and regional Geography. Successful candidates will be expected to teach our World Geography course, which is the primary service course in the Geography program, as well as conduct research with graduate students in the Geology program. TAMUK is a comprehensive university located about 45 miles southwest of Corpus Christi, Texas. The department has seven full-time faculty, and graduates about four majors per year. Candidates should forward a cover letter, vita, proposed research program, and contact information for three references to the address below. MAY 03-76.

Apply: Dr. Daniel Suson, Chair, Department of Physics/Geosciences, MSC 175, Texas A&M University-Kingsville, Kingsville, TX 78363. Review of applications will begin on 1 May 2003,

although applications will be accepted until the position is filled. Finalists must have official transcripts mailed to Texas A&M University-Kingsville directly from each degree-granting institution prior to an on-campus interview.

Texas A&M University is committed to excellence; the University invites applications from all qualified applicants. EEO/AA/ADA

***VIRGINIA, HARRISONBURG 22807.** James Madison University. The Geographic Science Program of the Integrated Science and Technology Department seeks a broadly trained **human geographer** for a tenure track position beginning either Fall 2003 or Spring 2004. General Education courses in global studies will constitute a significant portion of the candidate's teaching load. Research and teaching interests in development or geopolitical issues and/or a regional specialty are desired.

The successful candidate will have an earned Ph.D. and be committed to teaching excellence at the undergraduate level.

Candidates should forward a letter of application, current vita, a complete transcript and the names and addresses of three references to the address below. JUN 03-87.

Apply: Chair, Geographic Search Committee, c/o Gretta Evick, Integrated Science and Technology Department, MSC 4102, James Madison University, Harrisonburg, VA 22807. Review of applications will begin immediately and will continue until the position is filled.

James Madison University is an Affirmative Action/Equal Opportunity Employer; minorities, women and individuals with disabilities are encouraged to apply.

INTERNATIONAL

CANADA, BRITISH COLUMBIA, VANCOUVER V6B 5K3. The Graduate Urban Studies Program at Simon Fraser University wishes to appoint an **Assistant Professor** to begin a tenure-track appointment 1 September 2003 or 1 January 2004. This would be a joint appointment with the Department of Geography. The Graduate Urban Studies Program offers a Graduate Diploma in **Urban Studies** and is planning to introduce a Master's program within two years. We are seeking a versatile and energetic person with demonstrated urban expertise who could teach a variety of graduate urban studies courses as well as contribute to the further development of this exciting new program. Applicants must have a Ph.D., or be near completion, and show clear promise of excellence in research and

effectiveness in teaching. An interest in program development would also be valuable. The appointee would teach two graduate courses each year in the Graduate Urban Studies Program and two courses each year in the Department of Geography.

All qualified candidates are encouraged to apply; however, Canadian citizens 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 applicants.

Applicants should forward their curriculum vitae, a statement of interest, and a sample of research writing to the address below. MAY 03-75.

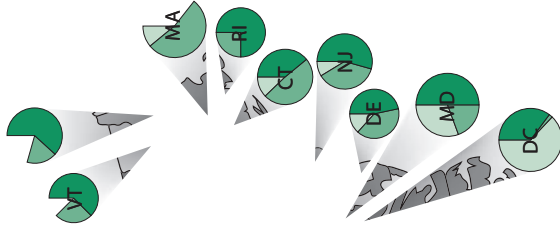
Apply: Dr. J.M. Munro, Director, Graduate Urban Studies Program, Simon Fraser University at Harbour Centre, 515 West Hastings Street, Vancouver, BC, V6B 5K3. They should also arrange for three letters of reference to be sent to the above address. Information concerning the Graduate Urban Studies program is available at: <http://www.sfu.ca/geography/Programs/Graduate/GDUS.html>.

For additional information please contact jmunro@sfu.ca or at 604-268-7914. Consideration of applications will commence on 1 June 2003 and will continue until the position is filled. This position is subject to final budgetary approval.

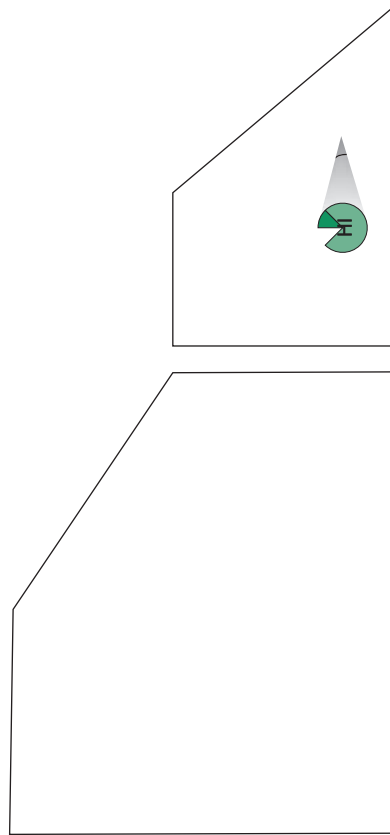
JAPAN, KOBE 662. Kobe College. **Drake Guest Professorship. Environmental/Health Science.** One of the oldest women's colleges in Japan. A year-long appointment commencing April 2004, will consider October 2004. PhD and established research and teaching credentials. Review of applications begins 15 June 2003. Send letter of application, vita, references and other support material to the DGP Committee, Kobe College Corporation, 188 West Randolph, Suite 1809, Chicago, Illinois 60601 or to kobecollegecorp@prodigy.net. MAY 03-73. ■

99th AAG Annual Meeting, 4 - 8 March 2003

Attendance Breakdown, New Orleans, LA

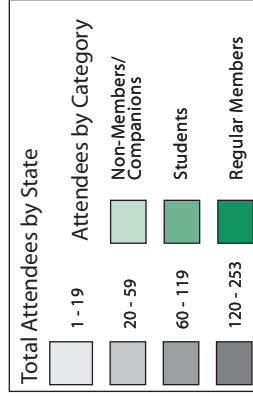


★



	Members	Students	Non-Members/ Companions	Total
Overseas				
Albania	1	1	1	3
Argentina	1	1	1	3
Australia	4	4	5	13
Austria	4	1	1	6
Bangladesh	1	1	1	3
Belgium	2	2	3	7
Brazil	1	1	2	4
Cambodia	1	1	1	3
China	5	5	10	20
Denmark	1	4	4	9
Estonia	1	1	2	4
Finland	2	7	9	18
France	2	1	1	4
Germany	12	6	16	34
Greece	1	1	1	3
Hungary	1	2	2	5
India	1	1	1	3
Ireland	3	4	9	16
Israel	3	1	3	7
Italy	1	1	2	4
Jamaica	2	1	1	4
Japan	15	3	14	32
Mexico	2	4	4	10
Netherlands	3	1	6	10
New Zealand	3	2	3	8
Norway	1	1	1	3
Scotland	1	2	2	5
Singapore	2	2	1	5
South Africa	1	8	9	18
South Korea	3	1	4	8
Spain	5	1	8	14
Sweden	6	3	6	15
Switzerland	2	2	4	8
Taiwan	1	2	2	5
Trinidad	1	1	1	3
U.A.E.	31	60	136	227
U.K.	1	1	1	3
Total	136	136	227	499

Canada



Cartography by Oscar Larson ©2003
 Data: Association of American Geographers
 Basemap: ESRI



Profiles of the AAG Membership, 2000-2002																				
Profile of the AAG Membership by Sex and Occupation																				
Occupation	Males						Females						Total						PhD	
	2000		2001		2002		2000		2001		2002		2000		2001		2002		2000	2002
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
College/University	2,266	75.9	2,132	75.5	2,140	76.1	719	24.1	691	24.5	673	23.9	2,985	34.8	2,823	30.7	2,813	26.8	2,441	86.8
Student	885	56.8	904	54.5	899	54.6	672	43.2	756	45.5	747	45.4	1,557	18.2	1,660	18.1	1,646	15.7	221	13.4
Retired	405	87.7	496	87.3	384	87.3	57	12.3	72	12.7	56	12.7	462	5.4	568	6.2	440	4.2	324	73.6
Federal Govern	138	73.8	138	71.5	125	67.2	49	26.2	55	28.5	61	32.8	187	2.2	193	2.1	186	1.8	75	40.3
Other Govern	144	76.2	67	31.0	145	68.4	45	23.8	149	69.0	67	31.6	189	2.2	216	2.3	212	2.0	40	18.9
Private Industry	262	68.9	218	68.1	180	68.2	118	31.1	102	31.9	84	31.8	380	4.4	320	3.5	264	2.5	64	24.2
Secondary School	11	68.8	19	65.5	17	54.8	5	31.3	10	34.5	14	45.2	16	0.2	29	0.3	31	0.3	3	9.7
Nonprofit	36	57.1	30	40.5	30	43.5	27	42.9	44	59.5	39	56.5	63	0.7	74	0.8	69	0.7	21	30.4
Self Employed	77	63.1	70	60.3	60	59.4	45	36.9	46	39.7	41	40.6	122	1.4	116	1.3	101	1.0	40	39.6
Military	18	100.0	25	100.0	23	95.8	0	0.0	0	0.0	1	4.2	18	0.2	25	0.3	24	0.2	6	25.0
Research Center	54	73.0	71	67.6	74	66.7	20	27.0	34	32.4	37	33.3	74	0.9	105	1.1	111	1.1	68	61.3
Elementary School	2	28.6	3	37.5	0	0.0	5	71.4	5	62.5	3	100.0	7	0.1	8	0.1	3	0.0	0	0.0
AA and Staff	12	6.8	23	7.8	28	10.4	165	93.2	270	92.2	242	89.6	177	2.1	293	3.2	270	2.6	3	1.1
NEC	114	55.6	166	57.4	674	57.1	91	44.4	123	42.6	506	42.9	205	2.4	289	3.1	1,180	11.3	130	11.0
Library	na	na	na	na	na	na	na	na	na	na	na	na	2,053	24.0	2,416	26.3	3,118	29.7	na	na
Institutional	na	na	na	na	na	na	na	na	na	na	na	na	68	0.8	55	0.6	8	0.1	na	na
Corporate	na	na	na	na	na	na	na	na	na	na	na	na	6	0.1	6	0.1	6	0.1	na	na
Total	4,424	68.7	4,362	64.9	4,779	65.0	2,018	31.3	2,357	35.1	2,571	31.1	8,569	100.0	9,196	100.0	10,482	100.0	3,436	46.7

Minority Status												
Category	Males			Females			Total			Percent		
	2000	2001	2002	2000	2001	2002	2000	2001	2002	2000	2001	2002
Amerind	11	18	18	10	17	11	21	35	29	0.33	0.52	0.39
Asian	216	239	249	109	134	150	325	373	399	5.05	5.55	5.43
Black	68	67	64	24	24	27	92	91	91	1.43	1.35	1.24
Hispanic	61	63	64	24	27	31	85	90	95	1.32	1.34	1.29
Native Alaska	2	2	2	0	1	1	2	3	3	0.03	0.04	0.04
Pacific Island	7	8	6	4	6	6	11	14	12	0.17	0.21	0.16
NEC	4,053	3,965	4,376	1,847	2,148	2,345	5,900	6,113	6,721	91.67	90.98	91.44
Total	4,418	4,362	4,779	2,018	2,357	2,571	6,436	6,719	7,350	100.00	100.00	100.00

Profile of AAG Membership by Highest Degree Attained																		
Degree	Males						Females						Total					
	2000		2001		2002		2000		2001		2002		2000		2001		2002	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Not Reported	458	10.4	304	7.0	609	12.7	496	24.6	546	23.2	620	24.1	954	14.8	850	12.7	1,229	16.7
BA/BS	448	10.1	457	10.5	520	10.9	263	13.0	330	14.0	386	15.0	711	11.0	787	11.7	906	12.3
MA/MS	917	20.8	955	21.9	1,049	22.0	558	27.7	675	28.6	732	28.5	1,475	22.9	1,630	24.3	1,781	24.2
PhD	2,595	58.7	2,646	60.7	2,601	54.4	701	34.7	806	34.2	833	32.4	3,296	51.2	3,452	51.4	3,434	46.7
Total	4,418	100.0	4,362	100.0	4,779	100.0	2,018	100.0	2,357	100.0	2,571	100.0	6,436	100.0	6,719	100.0	7,350	100.0

Percent Members in Each Degree Level						
Degree	Males			Females		
	2000	2001	2002	2000	2001	2002
BA/BS	63.0	58.1	57.4	37.0	41.9	42.6
MA/MS	62.2	58.6	58.9	37.8	41.4	41.1
PhD	78.7	76.7	75.7	21.3	23.3	24.3
Total	68.6	64.9	65.0	31.4	35.1	35.0

The New Orleans 99th AAG Annual Meeting Abstracts book (424 pages) is now available at half price to AAG members. Get your copy while they last for only \$10.00, shipping included. Prepaid orders should be sent to:

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or faxed to 202-234-2744. Contact Jennifer Povey at jpovey@aag.org or 202-234-1450 for additional information.

**2003
JUNE**

2-5. Towson University GIS Conference. Towson, MD. <http://cgis.towson.edu/tugis2003>.

5-6. National Commission on Science for Sustainable Forestry (NCSF) symposium, "Fire, Forest Health and Biodiversity." Denver, CO. www.NCSF.org.

14-18. American Geophysical Union Conference on Ecosystems Interactions with Land Use Change. Santa Fe, NM. www.agu.org/meetings/cc03acall.html.

15-18. International Conference on Military Geology and Geography. West Point, NY. Contact Peter Anderson at bp5223@exmail.usma.army.mil.

JULY

6-11. Summer Institute in Economic Geography. Madison, WI. Contact olds@geography.wisc.edu.

7-11. ESRI International User Conference. San Diego, CA. Contact uc2003@esri.com or visit www.esri.com.

13-18. **International Medical Geography Symposium**. Co-sponsored by the AAG Medical Geography Specialty Group. University of Manchester, U.K. www.art.man.ac.uk/Geog/imgs/.

20-22. URISA Public Participation GIS (PPGIS) Conference. Portland, OR. Contact Meg Merrick at info@urisa.org or visit www.urisa.org/PPGIS/ppgis.html.

20-29. Society and Environment Interaction under Conditions of Global and Regional Changes (IGU Topical Conference). Moscow and Barnaul (Altai), Russia. Contact igras@igras.geonet.ru.

21-25. International Geoscience and Remote Sensing Symposium (IGARSS). Toulouse, France. Contact conference.services@ieee.org or visit www.ieee.org.

SEPTEMBER

3-5. Geography, Serving Society and the Environment, RGS-IBG Annual Conference. London, U.K. Contact rhed@rgs.org or visit www.rgs.org/ACLondon2003.

5. 4th Annual Western Pennsylvania GIS Conference 2003. California, PA. Contact Thomas R. Mueller at 724-938-

4255 or mueller@cup.edu, or visit <http://www.cup.edu/liberalarts/earthscience/gis/>.

17-20. **AAG Pacific Coast Division Meeting**. Portland, OR. Contact Martha Works or Keith Hadley at apcg@pdx.edu.

18-21. Eastern Historical Geographers Association (EHGA) Meeting. Athens, OH. Contact Geoff Buckley at buckleyg@ohio.edu or visit <http://jupiter.phy.ohiou.edu/Departments/Geography/ehga/>.

29-1 October. Geospatial Information and Technology Association (GITA) 12th Annual GIS for Oil and Gas Conference. Houston, TX. Contact GITA at 303-337-0513, email info@gita.org, or visit www.gita.org.

OCTOBER

2-4. **AAG Great Plains/Rocky Mountain Division Meeting**. Manhattan, KS. Contact John A. Harrington, Jr. at jharrin@k-state.edu or visit www.ksu.edu/geography/conf/confindex.htm.

2-4. Canadian Ethnic Studies Association (CESA) conference. Banff, Alberta, Canada. www.ucalgary.ca/CESA.

8-11. National Council for Geographic Education Annual Conference. Salt Lake City, UT. Contact 256-782-5293 or ncge@jsucc.jsu.edu for more information.

10-11. **AAG New England St. Lawrence Valley Division Meeting**. New Britain, CT. Contact Richard W. Benfield at benfieldr@ccsu.edu or 860-832-2879, or visit www.geography.ccsu.edu.

11-15. URISA Annual Conference. Atlanta, Georgia. www.urisa.org.

16-18. **AAG East Lakes and West Lakes Regional Division Meeting**. Kalamazoo, MI. Contact Lisa DeChano at 269-387-3536 or ldechano@wmich.edu, or visit www.wmich.edu/geography/eastlakes/.

23-25. **AAG Southwestern Division Meeting**. Stillwater, OK. Contact Brad Bays, 405-744-6250 or bbays@okstate.edu.

30-31. Adaptive Research and Governance in Climate Change Conference. Columbus, OH. Contact April Luginbuhl at luginbuhl.6@osu.edu or Paul Robbins at robbins.30@osu.edu.

NOVEMBER

5-8 Applied Geography Conference, Colorado Springs, CO. www.applied-geog.org/html/call.htm.

18-21. CARIS 2003 Gateways in Geomatics Conference. St. Louis, MO. Contact caris2003@caris.com or visit www.caris.com/caris2003.

23-25. **AAG Southeastern Division Meeting**. Charlotte, NC. Contact L. Allen James at ajames@gwm.sc.edu, or 803-777-5236.

DECEMBER

6-10. American Geophysical Union (AGU) Fall Meeting. San Francisco, CA. Contact meetinginfo@agu.org or visit www.agu.org/meetings.

9-13. 12th International Conference of Historical Geographers. Auckland, NZ. www.geog.auckland.ac.nz/ichg2003.

2004

17-20 February. Symposium Urban Cultures and Identities. Cologne, Germany. IGU Commission 30: The Cultural Approach in Geography. Contact b.neuer@uni-koeln.de or visit www.uni-koeln.de/ew-fak/geo/seiten/igu.htm.

14-19. **March. AAG 100th Annual Meeting**. Philadelphia, PA. www.aag.org.

25-28 April. GITA's 27th Annual Conference. Seattle, WA. www.gita.org.

15-20. **August**. The 30th Congress of the International Geographical Union. Glasgow, UK. Contact www.meetingmakers.co.uk/IGC-UK2004.

21-24. **August**. Newcastle-upon-Tyne, U.K. Post-IGC Symposium in Urban Morphology. Contact michael.barke@unn.ac.uk or visit www.let.rug.nl/isuf/.

2005

5-9. April. **AAG 101st Annual Meeting**. Denver, CO. www.aag.org.

2006

7-11. **March. AAG 102nd Annual Meeting**. Chicago, IL. www.aag.org. ■

From the June/July 1978 issue of the *AAG Newsletter*....**Saul B. Cohen**, Professor of Geography and Director of the Graduate School of Geography at Clark University, was appointed President of Queens College of the City University of New York....**Neal Lineback** and **David C. Weaver**, both associate professors at the University of Alabama, were awarded an NSG grant under the Inter-governmental Science and Public Technology Program. The \$14,200 grant was for a land suitability analysis of the Bankhead Forest-Smith Lake area of north Alabama, to be undertaken in cooperation with the Northwest Alabama, North-Central Alabama, and Birmingham Regional Councils of Government....**Karl J. Pelzer**, Professor Emeritus at Yale University, planned to spend four months in Australia, giving a series of lectures at universities along the east and south coasts of the continent....The National Science Foundation awarded financial support to undergraduate course development projects in the sciences, under the Local Course Improvement (LOCI) Program. The program sought to stimulate

the rapid introduction of the results of scientific and educational research into the undergraduate curriculum, and to provide science faculty with the opportunity to develop innovative teaching concepts. Four awards went to geography departments: 1) University of California, Santa Barbara; **David S. Simonette**, Project Director; \$19,500; "Instructional Materials for Scientific Information Retrieval," 2) University of Iowa, Iowa City; **Gerard**

Rushton, Project Director; \$24,100; "Interactive Computer Assisted Instruction Programs in Undergraduate Geography," 3) State University of New York, College at Oneonta; **Paul R. Baumann**, Project Director; \$20,100; "Interpretation of Satellite Imagery by Computer-Quantitative Methods," and 4) University of Tennessee, Knoxville; **James R. Carter**, Project Director; \$13,000; "Introducing Basic Principles of Thematic Cartography." ■

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