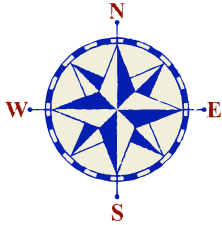


A Newsletter from the Department of Geography



The Compass

Message from the Chair:

It has been a long time since UB Geography distributed a newsletter to friends and alumni. Although we have lots of lame excuses for this, I assure you that a newsletter will become a semiannual commitment from now on. This past year was a record-breaker for the Department in terms of refereed journal publications (64 articles, or 3.4 articles per faculty member), BA graduations (52), MA graduations (19), and PhD graduations (15). These accomplishments are well above the average for a top-20 Geography Department. Over the past year, moreover, UB Geography submitted external grant applications worth over \$7 million. Let's hope we get some of that cash! UB Geography was also identified by the Provost's Office as being a key player in 4 of the University's 10 areas of 'strategic strength'. A strategic strength is a core research area in which UB has an existing competitive advantage. The research areas in which Geography is expected to contribute substantively over the coming years include *Civic Engagement and Public Policy*, *Computation and Information Technology*, *Mitigation of Extreme Events*, and *Aging and Chronic Diseases*. Our future hiring plans will increasingly fit within these four areas of research specialization. These areas overlap with our existing expertise in GIScience, environmental analysis, public policy, and international business. Other highlights include the following:

- Sharmistha Bagchi-Sen was appointed as Editor in Chief of the Professional Geographer (a flagship journal of the Association of American Geographers). This is a 4-year appointment. Well done Sharmistha!
- Vince Ebert was honored by UB for 50 years of service. Yes, 50 years! And Vince is still teaching high-enrollment undergraduate classes, as well as traveling the world on a regular basis with his wife.
- David Mark was successful in obtaining a new round of IGERT funding from the National Science Foundation (mentioned later in this Newsletter).
- On July 26, 2004, Ikuho Yamada became the 100th student to defend a Ph.D. in our department. Congratulations!
- The second annual UB Geography reception for friends and alumni was held at the Denver AAG in April 2005. Thanks to the organizational skills of Irene Casas and David Mark, this event was very successful and will be repeated at all AAG meetings from this point on.



At this stage, UB Geography looks to be in pretty good shape. The faculty base stands at 19. We have 94 undergraduate Majors, along with 136 graduate students (62 MA, and 68 PhD). However, we do need your help in two ways. First, we want to know what you are doing. Give us your news so that we can spread the word! Second, give us feedback on this newsletter. Are we missing things that folks like you want to know about? Can you think of entirely new sections that we should add?

Thank you in advance of your support!

Alan MacPherson
Chair

Current Faculty

Athol Abrahams

UB Distinguished Professor, Ph.D., University of Sydney, 1971

Research: Fluvial geomorphology, soil erosion, desert hill slopes.

Sharmistha Bagchi-Sen

Professor, Ph.D., University of Georgia, 1989

Research: International trade, foreign direct investment, service industries, labor markets, urban-industrial geography.

Sean J. Bennett

Associate Professor, Ph.D., State University of New York, Binghamton, 1993

Research: Sediment transport mechanics, gully erosion, reservoir sedimentation, and watershed processes.

Ling Bian

Associate Professor, Ph.D., University of North Carolina at Chapel Hill, 1991

Research: GIS for environmental modeling, spatial representation, remote sensing, image retrieval, spatial scale, physical geography.

Irene Casas

Assistant Professor, Ph.D., Ohio State University, 2002

Research: Transportation, GIS, location analysis, artificial intelligence.

Meghan Cope

Associate Professor, Ph.D., University of Colorado, 1995

Research: Urban social geography, children's geographies, gender, race, employment, social policy, qualitative research and qualitative GIS

Douglas M. Flewelling

Assistant Professor, Ph.D., University of Maine, 1997

Research: Geographic information science and systems, spatial information modeling, formalization of spatial relations.

Chris P. S. Larsen

Associate Professor, PhD, McMaster University, 1994

Research: Landscape ecology, vegetation dynamics, fire, tree-ring analysis, fossil pollen analysis.

Barry Lentnek

Professor, Ph.D., Johns Hopkins University, 1966

Research: Location theory, urban geography, economic development.

Scott Mackay

Associate Professor, Ph.D., University of Toronto, 1997

Research: Ecohydrology, land surface hydrology, hydrologic and ecosystem modeling, GIS, remote sensing.

Alan D. MacPherson

Professor, Department Chair, Director of Canada-US Trade Center (CUSTAC), Ph.D., University of Toronto, 1988

Research: Industrial adjustment to technology, economic modeling, international trade.

David M. Mark

Professor, Director of the National Center for Geographic Information and Analysis (NCGIA), Ph.D., Simon Fraser University, 1977

Research: Geographic information science, cognitive science.

James E. McConnell

SUNY Distinguished Teaching Professor,

Ph.D., Ohio State University, 1969

Research: International business, location theory, regional development.

Jessie P. Poon

Professor, Director of Asia Pacific Economic Cooperation Study Center, Ph.D., Ohio State University, 1993

Research: International trade and foreign investment, regional economic development, Asian business.

Chris S. Renschler

Assistant Professor, Ph.D., University of Bonn, 2000

Research: GI Science, environmental modeling, natural resources management tools.

Peter A. Rogerson

Professor, Ph.D., State University of New York at Buffalo, 1982

Research: Dynamic migration modeling, demographic forecasting, mathematical modeling.

Narushige Shiode

Assistant Professor, Ph.D., University of London, 2005

Research: Locational optimization, spatial temporal analysis, 3D visualization, urban planning and decision support systems, cyberspace geography, Geographic Information Science.

Jean-Claude Thill

Professor, Ph.D., Universite Catholique de Louvain, 1988

Research: Transportation, location analysis, spatial modeling, Geographic Information Science, computational geography.

Michael J. Woldenberg

Professor, Ph.D., Columbia University, 1968

Research: Fluvial geomorphology, morphometry of flow systems.

Department of Geography Newsletter

Editor: Meghan Cope

Publisher: Donna Banach

DISCLAIMER: The opinions expressed by individuals in this publication do not necessarily reflect the opinions or the official business of the State University of New York at Buffalo.

Contact: dbanach@buffalo.edu

Geography Program Information

New M.S. Degree in geography

The Geography Department just received approval for a new graduate program. The Master of Science (M.S.) in Geography will be open for enrollment in Fall 2005. This new degree supplements our long-standing offering of an M.A. with specialization in several areas of recognized strength. The M.S. is intended for students who desire to specialize in applications of analytical techniques in the field of geography. Students enrolled in this program will be trained in advanced information technologies such as geographic information systems, remote sensing, statistical and mathematical modeling, geocomputational models, network and spatial analysis, and quantifying and modeling environmental processes. The degree is aimed at students who want to pursue a career in research, development, and consulting in private and public organizations or plan to pursue a doctoral degree in analytical Geography or Geographic Information Science.

The program encompasses three academic concentrations, namely Geographic Information Systems and Science, Transportation Science and Business Geographics, and Environmental and Earth Systems Sciences. The detailed curriculum will soon be available on the new departmental web site

<http://www.geog.buffalo.edu/geography/>

Joint BA/MA Degree Program

We were successful in getting Albany's approval on a 5 year Joint BA/MA degree program in International Economic and Business Geographies. Qualified undergraduate students can enter the program in their sophomore or junior year and will earn their BA/MA by the end of their 5th year.

<http://www.geog.buffalo.edu/geography/programs/bama/itcbama.shtml>

2005 Doctoral Awards

Badurek, Chris (PhD)

Advisor: Dr. Flewelling
"Measuring change Similarity of Spatial Entities: The Case of the Criminal History of Place"

Bove, Gerald (PhD 8/05)

Advisor: Dr. Rogerson
"The Effects of Disinfectant Byproducts on the Risk for Urinary Bladder and Rectal Cancers"

Brunskill, Jeffrey (PhD 6/05)

Advisor: Dr. Mark
"Conceptual Models of Atmospheric Space: A study of knowledge and Concepts Derived From Direct and Indirect Experience of Atmospheric Dynamics"

Camacho, Martin (PhD 6/05)

Advisor: Dr. Bagchi-Sen
"Information Technology Analyst and Managers in the Silicon Valley: A Study of Male-Female Wage Patterns"

Delmelle, Eric (PhD 8/05)

Advisor: Dr. Rogerson
"Optimization of Second-Phase Spatial Using Covariate Information"

Eldredge, Bradley T. (PhD 6/05)

Advisor: Dr. Poon
"Urban-Regional Clusters and the Mutual Fund Industry in the United States"

Gress, Douglas R. (PhD 2/05)

Advisor: Dr. Poon
"Intra and Extra-Firm Exchanges in Firm Networks: A Study of Korean Subsidiaries in the United States and U. S. Offices of Trade and Investment in Korea"

Hwang, Sungsoon (Julie) (PhD 8/05)

Advisor: Dr. Thill
"The Effect of Housing Market Segmentation on Commuting: A Geographical Analysis."

Mayer, Stephen F. (PhD 2/05)

Advisor: Dr. Bagchi-Sen
"Sources of Competitive Advantage in U.S. Engineering Firms"

Naumov, Aleksey (PhD 6/05)

Advisor: Dr. Abrahams
"Multi-Criteria Validation of the SWAT Hydrologic Model in A Small Forested Watershed"

Rayburg, Scott (PhD 8/05)

Advisor: Dr. Abrahams
"Three Dimensional Morphologic and Hydraulic Characteristics of Pools, Riffles and Pool-Riffles Sequences"

Sein, Wahler Sanhtway (PhD 6/05)

Advisor: Dr. Lentnek
"The Role of Urban Environmental Quality in Neighborhood Population Change"

Shin, Jungyeop (PhD 6/05)

Advisor: Dr. Lentnek
"Spatio-Temporal Dynamics of Economic Clusters in Urban Pilyucleation: A Case Analysis of Erie County, NY"

Will, Renee (PhD 8/05)

Advisor: Dr. MacPherson
"Specialization, Exports, Economic Performance and Employment: An Empirical Analysis for U.S. States, Regions and Industry"

Yambrach, Frederick J. (PhD 6/05)

Advisor: Dr. McConnell
"Geographic Sources of Competitive Advantage Driving Innovation in the Medical Device Industry: Proximity, Place and Milieu"

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Geography Student Information

Geography Graduate Student Association (GGSA)

The Geography Graduate Student Association (GGSA) has been working to bring geography grad students together socially and academically within the department. In addition to hosting several social activities (the welcome picnic, holiday party, year's end picnic, and several happy hour events, to name a few) we have also taken a lead in organizing activities for Geography Awareness Week, and have begun hosting informal academic discussions together with professors.

Last year, some ideas arose that we hope to bring to the department in 2005 / 2006. Ideas include a series of discussions with faculty about publishing and succeeding in academia, and the organization of a network of graduate students--so that we can assist each other through the academic process.

We are a department club funded by the Graduate Student Association (GSA)—an organization funded by the graduate student fees. The GSA supports graduate students with opportunities including conference funding and thesis / dissertation grants, as well as campus-wide social activities. For more information, see www.gsa.buffalo.edu.

Our meetings are held once per month, and are open to all graduate students. Refreshments are always served. Officers elections will be held at the first meeting; all positions are open to interested students. Come join us, and help to build a strong graduate student community within the geography department. Questions? Contact Anneliese at alvance@buffalo.edu.

Cheers to another great year ahead!

Anneliese Vance, GGSA President

Geography Undergraduate Student Association (UGSA)

The Undergraduate Student Association will host its first meeting of the 05/06 semester in early September (Date TBA). We will be electing officers and a student rep. The student rep will attend faculty meetings and will be on the Faculty-Student committee that approves any program changes.

Get involved and have your voice heard. Questions? Contact Undergraduate Secretary Betsy Abraham at abraham@buffalo.edu.

Geography Awareness Week

The Geography Graduate Student Association has become actively involved in department functions. Having participated in the annual Fall and Spring picnics, the GGSA resurrected the Geography Awareness Week at UB in Fall 2002. In the past we have invited guest speakers from around the country, including Don Mitchell. Additionally, Dr. Chris Renschler uses this opportunity to have his class present their current work. This year will be the fourth year and planning is underway. We anticipate expanding GAW to increase interest in geography in local schools by inviting them to tour our facilities. Also, we will have a guest presenter for GIS day, on Wednesday November 16, and a Keynote speaker to wrap up the event on Friday, November 19, 2005.

Career Fair

Last February, 2005, the Geography Department, sponsored a Career Fair for undergraduate and graduate students. Twelve firms participated in the event, including Ecology and Environment, Praxair, and Osmose. A number of participants were unaware of the GIS component offered through the Geography Department, and in fact Praxair expressed as interest in hiring over 20 GIS technicians. Overall the event was a huge success with over 100 students participating, and all of the vendors provided positive feedback. This February/March 2006, the department will host another Career Fair and we are hoping to increase the number of participants. If you, or your firm would be interested please contact Dr. Ling Bian at lbian@geog.buffalo.edu, or Aubrey Balcom at asbalcom@buffalo.edu. You can also call the department at (716) -645-2722.

Geography Tidbit:

Prince William earned a Masters of Arts degree in geography from St. Andrews University, Scotland. His 10,000 word dissertation was about coral reefs.



All Our Awarded Ph.D.'s



1973 Osleeb, Jeffrey	1994 Gould, Michael	2002 Kalafsky, Ron
1975 Burke, John D.	1994 Joe, Su-Er	2002 Mori, Masaru
1976 Leaman, John Harold	1994 Pitts, Timothy C.	2002 Pantulu, Jyothi
1977 Peuquet, Donna	1994 Smith, Betty E.	2002 Pritchard, David
1980 Reed, Carl	1994 Weber, Christopher	2002 Xie, Zhixiao
1981 Foster, Stephen	1994 Weng, Hsiao-Wen Richard	2002 Yao, Xiaobai
1981 Glick, Barry	1994 Xie, Yichun	2003 Finkbeiner, John K.
1981 Rogerson, Peter	1994 Yuan, May	2003 Gao, Peng
1982 Hoyte, Donald	1994 Zhan, Feibing	2003 Han, Daikwan
1982 Peterson, Michael	1995 Berman, David H.	2003 Ihenko, Uzochukwa
	1995 Bertolas, Randy J.	2003 Oyana, Tonny
	1995 Curtiss, Andrew	
	1995 King, Nicholas David	2004 Chacon-Veliz, Miguel Angel
		2004 Feng, Chen-Chieh
	1995 Weatherbe, Richard	2004 Gray, Jeffrey McIntrye
	1995 Xia, Fuxiang	2004 Hu, Shixiong
	1996 Deakin, Ann Kielkopf	2004 Kronenfeld, Barry
	1996 Hirsch, Paul J.	2004 Sorokine, Alexandre
	1996 Lin, Ge	2004 Suh, Jeongwook
	1997 Hartung, Valerie	2004 Wang, Yi Chen
	1997 Keuchler, Linda	2004 Yamada, Ikuho
	1997 Leitner, Michael	2004 Yan, Jun
	1997 Li, Gang	2004 Ziolkowski, Michael F.
	1997 Pelligrini, Pasquale	
		2005 Badurek, Chris
	1997 Plewe, Brandon	2005 Bove, Gerald
	1997 Sen, Jayanti	2005 Brunskill, Jeffrey Charles
	1998 Skupin, Andre	2005 Camacho, Martin
	1999 Cote, Carmelle J.	2005 Delmelle, Eric
	1999 Deichmann, Joel	2005 Eldredge, Bradly T.
	1999 Hall, Linda	2005 Gress, Douglas R.
	1999 Howes, David	2005 Hwang, Sungsoon (Julie)
	1999 Kracker, Laura	2005 Mayer, Stephen F.
	1999 Neave, Melissa	2005 Naumov, Aleksey
	2000 Hoang, Cuong Vu	2005 Rayburg, Scott
		2005 Sein, Wahler Sanhtway
	2000 Parkansky, Steven	2005 Shin, Jungyeop
	2001 Boasson, Vigdis	2005 Will Renee
	2001 Haq, Kush	2005 Yambrach, Frederick J.
	2001 Lu, Yongmei	
	2001 Mackun, Paul	
	2001 Mandikos-Cullen, Bridget	
	2001 Phillips, David	
	2001 Sun, Yifei	
	2001 Yang, Zongxiang	
	2002 Belanger, Paul	
	2002 Boasson, Emil	
	2002 Grant, Shane	
	2002 Hayes, Graham	



Faculty News

Welcome Dr. Sean Bennett.

"My first two years in the department have been most enjoyable, spending much of it writing and resurrecting courses, establishing a research program, and getting through the tenure process. At the undergraduate level, I currently teach "Earth Systems Science I" to large numbers of students, and "Field and Laboratory Techniques" and "Water Resources" to our Geography majors and interdisciplinary students. I also teach "Fluvial Geomorphology" at the graduate level, which attracts geographers, geologists, and civil engineers equally. I currently serve as associate Editor for the journal Water Resources Research (AGU) and Assistant Editor for the journal The Professional Geographer (AAG). My research activities continue to examine various aspects of erosion and sedimentation in watersheds through the use of experimentation, theory, field studies, and numerical modeling, including soil and gully erosion, sediment transport in rivers, flow in vegetated stream corridors, and sedimentation in reservoirs. My future endeavors shall focus on expansion of the Experimental Geomorphology Laboratory, emphasizing educational training and research opportunities for graduate students. At home, my wife, Peg, and our two daughters, Eileen (10) and Annie (8), all are enjoying Clarence Center and the Buffalo region and have settled in seamlessly."

Dr. James E. McConnell, along with Dr. Alan MacPherson, Anneliese Vance, and Vida Vanchan have just concluded an extensive investigation for the Canadian Government on the economic impact of U.S. government anti-terrorism policies and regulations on North American cross-border commerce. Jim is also continuing his analysis of the trade and investment patterns of the 34 countries in the Western Hemisphere as these nations continue negotiations toward the creation of an integrated free trade area.

Dr. Sharmistha Bagchi-Sen has been selected as one of the fellows for the

University at Buffalo's newly created Faculty in Leadership Program, 2005-2006. She is currently working on a National Science Foundation funded project on Women in Cyber Security. The goal of the project is to understand barriers to entry, retention, and advancement of women in the emerging field of Cyber Security. She is going to serve as the Chair of the Committee on the Status of Women in Geography for the Association of the American Geographers. One of the goals of this committee is to explore strategies to advance geography in the academe. In October 2005, she has been invited to give a talk on export market development by small firms in high technology industries at the Klein Symposium organized at Pennsylvania State University. She is currently working on a development project with one of her doctoral students on the structural impact of HIV/AIDS in northern Thailand. Her future research plans include branching out to related projects on health and development.

Dr. Jessie Poon has been promoted to Professor. She is currently North American editor of Papers in Regional Science. She is also an editorial board member of Annals in Regional Science, Environment and Planning A, and the International Game Theory Review. Her current research projects include examining Asian firms' technological activities in the United States (US), US defense trade in Asia, and the relationship between religion and the internet among Asian immigrants in world cities.

Dr. Peter Rogerson gave a five-day workshop on spatial analysis at the Faculty of Tropical Medicine, Mahidol University, in Bangkok. The second edition of his book, Statistical Methods for Geographers, is forthcoming from Sage Publications in January.

The development of geographic information science (GIS) tools to help rangers and forest scientists determine whether logging or prescribed burning is the best way to reduce the fuel load to mitigate the risk of devastating wildfires is the goal of software-development work being done in conjunction with

the U.S. Forest Service by **Dr. Chris S. Renschler**, assistant professor in the Department of Geography, College of Arts and Sciences.



Soil scientist Eric Schroeder of the Forest Service Boulder Ranger District and UB researcher Chris Renschler discuss using the GeoWEPP model during last year's Overland Fire in Colorado.

His groundbreaking work comes just as the Bush Administration has reversed the roadless rule for federal lands, potentially opening up 58.5 million acres to logging, mining and other commercial uses.

"Now that we have this rule change, the question is, 'Do we want to reduce the fuel load in a particular watershed by doing selected burning, should we build roads so that we can bring equipment in to log or should we do both?'" said Renschler. "The tools we are developing can compare those two scenarios for a specific watershed and help managers make sound decisions."

The new capabilities are an upgrade of an existing software package called GeoWEPP (Geo-spatial interface for the Water Erosion Prediction Project) developed with the U.S. Department of Agriculture Forest Service and the Agricultural Research Service.

Renschler's co-investigator on the project is William J. Elliot, a project leader at the Forest Service's Rocky Mountain Research Station in Idaho.

The new features of the extension will allow managers to use the software to simulate and predict the effects of erosion for watersheds covering up to 250,000 acres.

Faculty News Continued

The result will be much more precise predictions about the amount of erosion and sediment yield that will end up in nearby rivers.

Earlier versions of GeoWEPP focused on targeting soil-and-water conservation measures after a fire and planning fuel-management efforts to reduce the risk of wildfire.

The new capabilities will help managers accurately compare their options—including the new option of logging and road building—for reducing the fuel load.

"We are developing tools that allow managers to actually schedule their fuel-reduction efforts in space and time," explained Renschler.

"Managers need to schedule them over a long time period and to properly sequence the efforts so that there's minimal impact on the environment," he said.

Now that logging is an option in millions of acres of federal lands, Renschler said, managers will need to evaluate where that option best is exercised.

"Naturally, roads increase erosion because the protection of the vegetation cover is gone," he explained. "We have to plan for that now and evaluate prescribed burning or road building in ways that consider the increased runoff and erosion that will occur and compare mitigation strategies."

At the same time, he said, with ex-urban sprawl spreading ever closer to forests, the decision to do a controlled burn also is becoming increasingly complex.

"We need tools to explore all of these considerations," he said. "We need to build long-term strategies to reduce fuel loads, and GeoWEPP is the best tool to support these new strategies."

The NCGIA and Department of Geology is supporting Dr. Chris Renschler with the:

36th Binghamton Geomorphology Symposium (BGS 2005)

UB Center for Tomorrow

October 7-9, 2005

<http://www.geog.buffalo.edu/~rensch/inghamton/>

Sponsored by the National Science Foundation, UB College of Arts and Sciences and Department of Geography

Dr. Jean-Claude Thill has been appointed the new Executive Director of the North American Regional Science Council (NARSC) for a three-year term starting January 2005. The North American Regional Science Council (NARSC) is an international scholarly organization that focuses on regional analysis, ranging from urban and spatial theory to applied problems in regional development, sustainability, environmental management, and rural land use. NARSC is an interdisciplinary association, with members representing fields as diverse as economics, agricultural economics, public policy, urban planning, civil engineering, geography, finance, and demography. Many of our members use GIS as part of their research and teaching.

NARSC represents regional science in North America, and our allied regional organizations provide opportunities for local participation. These organizations represent Canada, and the northeast, southern, mid-continent, and western regions of the United States. NARSC is affiliated with the Regional Science Associational International (RSAI), an organization founded in 1954.

Even before taking office, Jean-Claude got exposed to the demands of the position. He knows all the ins and outs of negotiations with conference hotels, e-commerce and merchant's accounts, legal requirements of not-for-profit organizations -510 (c)(3) status in IRS jargon!-, etc. It's sort of a second nature by now.

This year, NARSC will hold its annual meetings in Las Vegas, NV, November 10-12, 2005. www.narsc.org
Next year, we will have our meeting close to home, at the historic York Hotel in Toronto. Mark your calendars!

Dr. Ling Bian enjoys her research in three areas, interoperable environmental process models, geographic image retrieval, and individual-based and spatially explicit epidemiological modeling of infectious diseases. These research activities have been supported by federal funding agencies or private foundations. One of her papers on image retrieval published in Photogrammetric Engineering and Remote Sensing (PERS) won the 2004 Leica Geosystems Award for Best Scientific Paper in Remote Sensing, third place.

Recently, Ling served on the Scientific Board for the GISPlanet 2005, the International Conference on Geographic Information, and completed her three-year term as chair of the Communications Committee for the University Consortium for Geographic Information Science (UCGIS).

Dr. Chris Larsen, with former PhD students Dr. Barry Kronenfeld and Dr. Yi-Chen Wang, is working on a project entitled "Comparison of Changes in Forest Composition Resulting from 200 Years of Human Activity vs. a 2002 Climate Change Scenario". This study compares data on tree species occurrence in pre-settlement land surveys (circa 1800) with a recent forest inventory conducted by the USFS to examine changes in the distribution of key tree taxa throughout the western New York region. This research is funded by the National University of Singapore, with Wang as the PI. This work will integrate and build on the data and analyses developed within the dissertation researches of Wang and Kronenfeld. Wang is now an assistant professor at the National University of Singapore, and Kronenfeld is now an assistant professor at George Mason University.

More Faculty News

What does the term ‘neighborhood’ mean to an 8-year-old? How do children in low-income urban communities design their ideal play spaces? What landmarks do children use in their navigation of urban space? What do children like or dislike in their local built – and social – environments and how could the incorporation of this information result in more ‘child-friendly’ cities?

The **Children’s Urban Geographies** project looks at ways that children *conceptualize urban space* and how a better understanding of those conceptualizations could influence geography education materials and could inform planning processes to make cities more ‘child-friendly’. **Dr. Meghan Cope** and her students are conducting qualitative research at an after-school program in a low-income, ethnically diverse neighborhood of Buffalo, NY with children aged 6-12. The research goals are to understand how children perceive the social construction of space and how they use their urban experiences to inform their uses of space. The project is constructed around a ‘service-learning’ course for University at Buffalo (SUNY) students in which they work one afternoon per week at the after-school project site to help the children and to develop their own research projects on children and urban space (see examples below). The UB students learn to design and carry out a qualitative research project from start to finish, and along the way they gather data for the larger research project. Using ethnographic methods, such as participant observation, as well as diverse art, photography, mapping, storytelling, journaling, and field trip experiences with the children, the UB students and Dr. Cope have gathered many insights into children’s ideas, dislikes, and preferences for their urban spaces.

Sample Projects:

- Constructing a neighborhood quilt
- Building a scale model of an ideal play space

- Mapping smells in the neighborhood
- Telling ghost stories about haunted spaces they know of
- Constructing a neighborhood atlas of residents’ outdoor summer activities
- Navigating a new place and making a journal of the experience
- Mapping children’s everyday travel (mode of travel, origin/destination, who with)
- Learning to identify neighborhood natural elements (trees, plants, animals, etc.) and teaching their friends what they learned

We have identified several emerging themes from the research that have broader relevance, which we will continue to study:

- Children like natural elements in the built environment (water, trees/plants, etc.) and they are highly aware of negatives such as trash, crime, violence, lack of play space.
- Children perceive and use adult-generated landscapes in their own ways: walking on/jumping off stone walls, rolling down grassy hills, noticing trash and graffiti, avoiding barking dogs.
- Children’s ideal uses for local vacant lots involve either gardens and play spaces or community services such as baby-sitting, food for poor people, and housing.
- The Hispanic children in particular have strong national identities (Puerto Rican, Dominican) and simultaneously identify with the Hispanic ‘West Side’ of Buffalo, yet they do not care for the built environment of their Buffalo neighborhood.

Dr. Scott Mackay is directing a three-year collaborative research project funded by the National Science Foundation to improve forest transpiration models. Models of transpiration are the core of land surface components of regional water resources models, weather forecast models, and climate models. State-of-the-art transpiration models assume that forests can be described as a series of large

blocks of land, homogeneous with respect to vegetation types and responses to environmental conditions.



Mike Loranty (left) of UB and Jonathan Adelman of the University of Wyoming demonstrate how not to get eaten by mosquitos while measuring atmospheric moisture content in the forest.

This assumption may not hold in the modern world where forest composition, density, and function are influenced by human activities such as forest management.

Forest management and other land use activities fragments forests, which increases spatial heterogeneity of species and responses to environmental conditions. We are explicitly testing the spatial homogeneity assumption by measuring and modeling transpiration along spatial gradients of soil moisture, topography, and species types, taking into account competition between individual trees for light and other resources. The project, entitled “Restricted plasticity of canopy stomatal conductance: A conceptual basis for simpler models of forest transpiration,” had its first full field season in northern Wisconsin during summer 2005. Mike Loranty, a Ph.D. student in Geography, and lead student on the project, spent most of this

summer collecting data at the field site. Mike will use this data, as well as data collected during a preliminary campaign in summer 2004 and follow-up campaigns next summer to test a conceptual model that would simplify the representation of spatially explicit transpiration in large scale models. The results of this work will have important ramifications for future land surface models, as it has important implications for modeling future climates in conjunction with changing land use.

More News

Using GIS to Design Perinatal Health Interventions

For the past two years, Dr. Linda Caley (School of Nursing) and Dr. Narushige Shiode (Geography) have worked on developing and evaluating a GIS database that can be used for designing prenatal and perinatal health interventions.

The on-going project is aimed at introducing GIS to the perinatal health intervention scene with the prospect of improving the shortfalls of the conventional methods. Specifically, the project focuses on identifying the critical elements of Public Participatory Geographic Information Systems that need refinement prior to wider implementation in research projects aimed at developing health interventions for high-risk populations. The underlying hypothesis is that by providing stakeholders with the ability to interact with a visual map of perinatal health problems, the different community types in their geographic area and the description of the resources that each type of community brings to a health problem, the type and number of promotion and prevention efforts planned across community types and levels will increase.

The project has been carried out in the context of designing GIS-based perinatal healthcare interventions in the Western New York region with the help from three research assistants, Eunsuk Chang (Geography), Asaf Tal (School of Social Work), and Patricia Trawinski (Geography).

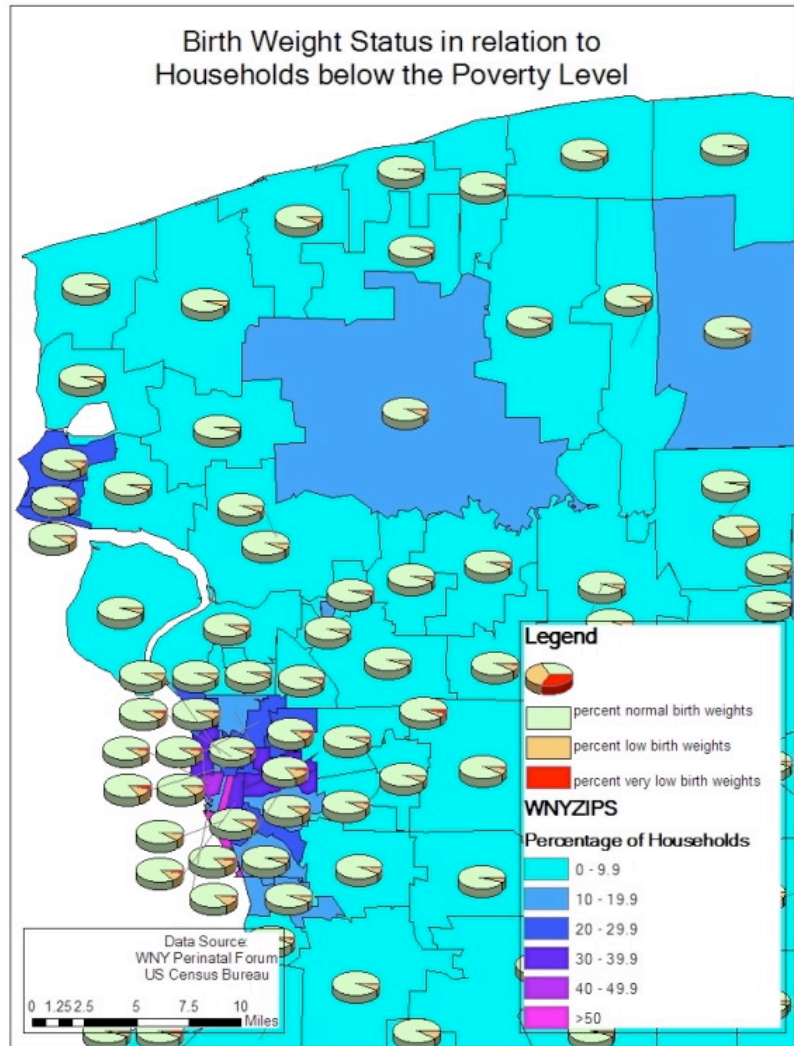
So far, the project team has prepared a PPGIS database by joining (1) the perinatal data that consists of a comprehensive birth record data in the WNY counties (supplied from Regional Perinatal Center at Women and Children's Hospital), (2) socio-economic data of each area obtained through Census tract data, (3) the directory of health and human services for child-bearing women and their children compiled by the Buffalo Prenatal-Perinatal Network (2004) and the NYS database of schools in the 8 WNY counties, and (4) community

organization databases including the geographical locations and the attributes of hospitals, daycare centers, schools and health and human services for child bearing women and their children (please see the accompanying figure for a sample screenshot).

A prior research conducted by Dr. Caley (2004) demonstrates that the difficulty regarding the use of GIS lies not in the process of data handling (e.g. mapping the incidence and prevalence of disease, locating risk factors, and identifying access to health care services), but in moving beyond that step to use the technology to depict communities, develop, and implement population-based interventions. The project team is currently working on identifying and

addressing issues of associated with this problem and is pilot testing the PPGIS with community stakeholders responsible for improving maternal and neonatal health in WNY with the help from the Regional Perinatal Forum of Western New York (RPFWNY).

The long-term goal of this initiative is to develop PPGIS as a research field at UB to aid in the planning and evaluation of health interventions for a wide variety of health conditions. It is currently funded by UB-IRCAF grant (Interdisciplinary Creative and Research Grant PTA 1044320-1-32304) through October 2005. The project marks an example of the emerging interests in the direction of health and medical geography within Department of Geography.





Faculty Retirement

Barry Lentnek, a Professor in the UB Geography Department, will enter retirement at the end of calendar year 2005. Barry's academic career spans over forty years. He received his Bachelor's degree in history from the City University of New York (Brooklyn College), his Master's in Economics from the City University of New York (Brooklyn College), and his Doctorate in Geography from The Johns Hopkins University in 1966. Barry served on the faculty of Essex Community College, The University of Arizona, Ohio State University, and the University at Buffalo, where he attained the rank of Professor. He served as Director of Graduate Studies in the Department of Geography from 1996 to 2000. Barry's entire academic research was deeply rooted in the study of the geography of economic systems within a broad regional context as well as within the context of cities. In his early research, he received external support from the National Science Foundation, the United States Agency for International Development, and Clarke University's Cooperative Agreement on Settlements and Resource Systems Analysis (SARSA) to study rural economic systems and processes of spatial organization in several Latin American countries, including Venezuela, Ecuador, and Mexico. During extended research stays in these countries, he had opportunities to conduct field work, learn the local cultures, and gained a first-hand exposure to processes of economic development and urbanization. Enriched by this experience, he became closely involved in the Conference of Latin American Geographers during the 1980s. He also served in various capacities in the UB campus-wide initiatives to coordinate and foster research and education in International Studies, particularly in the Latin American realm.

In a more recent line of research, Barry contributed to Regional Science by developing solid micro-economic foundations to the spatial theory of shopping behavior and of the organization of central place systems. In particular, he contributed a series of spatial micro-economic models of multipurpose shopping behavior and their implications for the spatial organization of urban systems. He was also at the forefront of research on the location of producer services in post-industrial cities.

During his 35-year career at the University at Buffalo, he taught several generations of students in urban geography, international trade and regional development, and urban economics. His legacy also includes a deep sense of the integrative nature of social sciences that he shared with hundreds of college freshmen who took his World Civilizations course over the last five years.

SUNY Awards Honorary Doctorate to ESRI President Jack Dangermond

The State University of New York recognized ESRI President Jack Dangermond's outstanding social and technological contributions to local and global communities with an honorary doctor of science degree presented at the 159th general commencement ceremony at the University at Buffalo (UB) on May 15. "Jack Dangermond offers an inspiring example for today's and tomorrow's business leaders and research scientists. He has demonstrated that substantial progress and technological development are enhanced and furthered by a strong commitment to environmental sustainability and social collaboration," said UB President John B. Simpson. Satish K. Tripathi, UB provost and executive vice president for academic affairs, said, "Dangermond has single-handedly moved geographic information system technology into the mainstream. The influence of his work, through ESRI, is felt worldwide with more than 300,000 organizations using his software." "Jack Dangermond has succeeded in creating a community of GIS users that embodies a philosophy of solidarity and positive change," said UB Geography professor and IGERT Director David Mark, who nominated Dangermond for the honorary degree.

Jack Dangermond founded ESRI in 1969 and was an early participant in developing geographic information system (GIS) software that helps users organize, present, and analyze spatial information. He has contributed to the world community with his exemplary philosophy—to make progress that is collaborative and universally beneficial and that sustains human and environmental communities on both a local and global scale. UB was one of the first universities to host ESRI's original GIS software, ArcInfo, and its GIScience community now involves nearly 60 UB faculty in more than 20 departments.



At UB, Dangermond has supported GIS programs by serving on advisory boards for UB's National Center for Geographic Information and Analysis (NCGIA) and, currently, the Integrative Graduate Education and Research Traineeship (IGERT) program. IGERT offers doctoral students an interdisciplinary geographic information science (GIScience) degree that personal skills needed for careers in GIScience. More than a dozen UB Geography alumni work for ESRI.

"It is a great honor to be recognized by SUNY and the UB community," said Dangermond. "Over the past 20 years, they have promoted GIS research and training in collaboration with other disciplines, and I am proud to have been an invited

participant."

Jack Dangermond and some UB Geography Faculty just after Dangermond's Honorary Doctorate was awarded. Left to right: Chris Renschler, Jack Dangermond, David Mark, Doug Flewelling, and Vince Ebert.

Common Room

Several faculty and staff have helped set up 106A Wilkeson as a common room. Besides graduate, faculty and staff mailboxes, there are chairs, a television, reading material and kitchen equipment.

Money collected from returnable soda bottles and cans is used to buy requested items. So far we have purchased kitchen supplies, plants and framed posters. Please deposit your returnable bottles and cans in the white boxes located in 106A and outside 132 Wilkeson. Thanks!



IGERT NEWS

The National Science Foundation has awarded the University at Buffalo's National Center for Geographic Information and Analysis a highly competitive, five-year, \$3.8 million grant to fund a multidisciplinary, graduate-level training program in geographic information science. This second IGERT (Integrative Graduate Education Research and Traineeship) grant confirms that UB is one of the top few universities in the nation for multidisciplinary graduate training in this rapidly growing field.

The goal of NSF's IGERT programs is to immerse doctoral students in multidisciplinary environments so that when they graduate they will be able to bring strong collaborative skills to their positions in research and industry.

The funding is expected to support about 30 new IGERT fellows, all of whom will receive a stipend of \$30,000 for two years and additional funding for two more years, as well as attendance at an international summer school in Italy and an international internship.

"The goal of this IGERT award is to educate the first generation of researchers with core expertise in geographic and spatial phenomena, as well as expertise in a traditional discipline, such as anthropology, philosophy or geology," said David Mark, Ph.D., professor of geography, principal investigator on the IGERT grant and NCGIA director.

"The result will be that five or 10 years down the road, these graduates will be able to bring the power of geographic information science techniques to the broadest array of geographic, environmental and social problems."

Geographic information science is the science behind the study of geographic phenomena in the digital age. It exploits computer technologies to address geographic and spatial phenomena, such as mapping social and environmental problems, while also seeking to understand how humans perceive geographic phenomena and are influenced by them.

Because of its powerful capabilities in homeland security and counter-terrorism applications, the GIS sector, which even before Sept. 11, 2001, was experiencing double-digit growth, is now a \$4.2 billion-per-year industry in the U.S., expanding at an estimated annual rate of 20 percent.

Currently, almost every student with GIS skills, even those with only a bachelor's degree, gets a job in the field; more people with advanced training are needed for positions in both education and industry.

IGERT fellows are required to take core courses in geography and philosophy while they earn degrees from one of the participating UB departments: anthropology; computer science and engineering; civil, structural and environmental engineering; geography; geology; industrial engineering, or philosophy.

The NSF grant also demonstrates the strong record UB's researchers have had in reaching out to faculty in other disciplines and in developing with them powerful research collaborations, Mark added.

More than 60 faculty at UB in 20 academic departments are involved in cross-disciplinary research in geographic information science.

The IGERT grant at NCGIA expands graduate opportunities at UB into geographic environmental science, or how environmental problems can be studied and solved using geographic information science; geographic social science, such as the geography of transportation or crime, and theories of geographic space and ways of representing them to people.

For more information, please visit the UB GI Science IGERT website www.geog.buffalo.edu/giscience/

IGERT students and faculty during orientation trip to Letchworth State Park:

Left to right

Front Row:

Scott Mackay*, Michelle Summ, Ifeoma Nwogu, Mike Loranty*, Jeff Brunskill*, Roman Yampolskiy

Back Row:

Shawn Matott, Ezra Zubrow, Justin Yates, David Mark*, Seth Spielman*, Brett Burkett, Gaurav Sinha*, Glorimar Pagan, Chris Brehme*

* = geography department members



CENTER REPORTS



Canada US Trade Center (CUSTAC)

Over the past year, the Canada-United States Trade Center has supported a variety of important research projects. Many of these projects have been summarized in CUSTAC Occasional Papers, all of which can be accessed via our website at www.geog.buffalo.edu/custac. Projects of special note include Dr. David Pritchard's work on the economics and politics of international trade in commercial aircraft (e.g. the Airbus/Boeing subsidy disputes), Dr. Jim McConnell's work on the economic impact of US antiterrorism measures (e.g. trade effects), Dr. Alan MacPherson's work on the impact of the US Bioterrorism Act upon Canadian exporters of food products, Dr. Jessie Poon's work on Asian investment in the US, and Dr. Mike Zilkowski's work on the role of university-based industrial extension services in the job-creation efforts of Western New York manufacturing firms. Graduate students affiliated with CUSTAC have also been active over the past year. For example, Anneliese Vance is conducting a study of the strategic responses of Canadian firms to Canada/US border delays; Vida Vanchan is in the process of completing a study of the export potential of US firms in the industrial design sector; and Ed Arnold is working on the geography of export finance (capital availability) for US firms of different types. These are all promising research initiatives that will soon appear as CUSTAC Occasional Papers.

Looking to the future, CUSTAC will likely become more heavily involved with applied research on the economic and firm-level impacts of homeland security initiatives, as well as with cutting-edge research on strategic industries (e.g. aerospace, medical devices, biotechnology). The Center maintained a high level of media visibility through the first half of 2005, with lead stories involving CUSTAC members occupying center-stage in the American Conservative, BusinessWeek, and the Economist.

Finally, the Center continues to assist local and regional government agencies, business establishments, educational units, and individuals regarding Canada-US trade and investment issues. This level of assistance might prove hard to maintain over the next year or so, as the Center's founder (Jim McConnell) is retiring in 2006. Presumably Jim will want to do other things with his last year at UB! Some of you may remember that Jim handed the reins of the Center to me in 1994 (he founded the Center in 1989, and Directed until 1994). I never could convince him to take those reins back!

Alan MacPherson
Director

National Center for Geographic Information and Analysis (NCGIA)

The NCGIA continues to pursue and support research activities related to GIS, GIScience, spatial analysis, and other geospatial activities at UB. This past year, the NCGIA assisted investigators in the production and submission of 26 external proposals totaling over \$14,239,000. The biggest recent grant was a second IGERT award to support PhD students; that project is described elsewhere in this newsletter.

Last year NCGIA Director **Dr. David Mark** was awarded the prestigious UCGIS Research Award. This important award is given to a researcher who has made substantial contributions to Geographic Information Science. As stated in the UCGIS Fall 2004 newsletter, "At the same time as ontologies have emerged as an important topic within the semantic web community, David has steadfastly pursued the study of ontologies in the geographic domain from a cross-cultural and cross-linguistic aspect, aiming for a more deeply-rooted understanding of the semantics of terms typically used for describing geographic phenomena. It is in this domain that David Mark has made numerous and high-quality contributions to the GI Science research literature, particularly during the past half-dozen years. This contribution is exemplary and fully deserves the 2004 UCGIS Research Award."

Dr. Mark is coordinating COSIT05, the biannual international conference that focuses on spatial information theory. The conference will be held from September 14 -18 in Ellicottville, New York. More information can be found at www.geog.buffalo.edu/COSIT05/ For more information about NCGIA please check our website at: <http://www.geog.buffalo.edu/ncgia/>

Alumni News

Aldrich, Gregory (B.A. 1976; MCRP Ohio State 1978) Greg is a Government Relations Manager with Oregon Department of Environmental Quality. Greg said, "Who thought you could get a degree in geography and do something with it?"

Bailer, Gabriel (B.A. 2000; M.U.P.) Gabriel is an Associate Planner with Kauker, Gregory and Kauker and happy doing what he studied.

Bélangier, Paul (Ph.D. 2002 with Dr. Eagles) Paul fondly recalls his collaborations with Drs. Hugh Calkins and Munroe Eagles. Paul and his wife are off to Ethiopia to work with the United Nations on GIS projects. He looks forward to following the evolution of the department from afar. Happy travels!

Benard (Kolipinski) Mary Lou (B.A. 1961, M.A. Columbia) Mary Lou is a General Physical Scientist with the US Army Corps of Engineers in NY.

Bertolas, Randy (Ph.D. 1995 with Dr. Woldenberg) Professor of Geography at Wayne State College (Nebraska), Randy states it's important to continue learning in order to stay current in the field. As far as his experience at UB, "You can't put a price on those connections, not necessarily as a source of networked lifetime associates (which these people still are), but as a fantastic learning environment that you don't even realize you are part of until years later after graduation.

Brennan, Tim (B.A. 1973; Masters in Regional Planning from U of Mass Amherst) Tim is the Executive Director of Pioneer Valley Planning Commission. He was exposed to the city and regional planning profession for the first time in his senior year at UB as part of a course intended to show how an undergraduate geography degree could be used to one's advantage. It worked for him!

Chin, Calvin (B.A. 1989; Masters in Finance at NYU) Calvin is an Associate Managing Director of Burnham Securities, Inc.

D'Arrigo, Frank (M.A. ITC 1993) Married to Mary LeClair (1996 PhD UB Counseling Psychology) since 1997. "We have 2 boys (Michael 5 and Nicholas 3). Both boys are enrolled at the UB childcare center. After leaving UB in 2000 as an Assistant Vice Provost for Undergraduate Education, I joined Remarketing Services of America as an IT architect. "

Deakin (Kielkopf), Ann (Ph.D. 1996 with Dr. Mark) Ann is an Associate Professor at SUNY Fredonia. Her current research interests include rural geography, cartographic issues in GIS, environmental perception and remote sensing applications in structural geology.

Deeb, Bassam (B.A. 1984; Ed.M. 1986) is a Vice President for Student Services at Niagara County Community College and is pursuing a doctorate in higher education. Good luck, Bassam.

Deichmann, Joel (Ph.D. 1999 with Dr. McConnell) writes that he is doing well in his position in an International Studies department at Bentley College. He credits his experience in ITC with preparing him well for this and says "I couldn't have asked for better qualified/more friendly people to work with (professors, staff and peers)." We note from his update that he is now an Associate Professor: Congratulations on tenure and promotion, Joel! Joel lives in southern New Hampshire with his wife, Karen, and three young children, Charlie, Jack, and Isabel.

Diamond, Eileen (B.A. 1981) Eileen recalls great memories of the Geography Department and time spent at UB. Currently, she is a Corporate Librarian in the Investment Banking Library at the Wall Street firm of Bear Stearns & Co., Inc. in New York City.

Dion, Jerome (B.A. 1974; M.U.P. 1981) Jerome's current research interests are energy efficient buildings and component technologies. He is a Research Supervisor in the Building Technologies Program of the Office of Energy Efficiency & Renewable Energy at the U.S. Department of Energy in VA.

Eichler, Tracy (B.A. 1986) asks "Whatever happened to the class of '86?" Tracy is a recently retired Senior Investment Strategist, formally of UBS. Her previous demographic training in Geography has been helpful in her thematic research. She's currently working on something called revolving retirement.

Eisen (Grant), Shane (Ph.D. 2002 with Dr. Calkins) Since graduation Shane had two children ages 3 and 1 and had worked several part time jobs including teaching a semester of GEO 481-550 for this department.

Gleason, Richard (B.A. 1975) is the Director of Business Services at Pergo, Inc in North Carolina. He has been involved in business development and the logistics of customer support and the need to interpret customer needs.

Glick, Barry (M.R.P. Cornell; Ph.D. 1981 with Dr. MacKinnon) After graduation Barry taught at Middlebury College under a Mellon foundation program for young scholars. Currently he is President and CEO of ObjectFX Corporation. Barry has been working at the intersection of geography, information technology and the business and government markets for the past 25 years.

Hall, Jessica, (B.A. 2001) Jessica is pursuing a Masters in Counselor Education and expects to finish next year.

Hill, Steven (B.A. 1974; M. Div 1980 and Th.M. 1982 at W. Cons Baptist Seminary) Pastor Hill is a Senior Pastor with First Baptist Church of Marysville in WA.

Hinz, Paul (MBA 1992 with Drs. Harrington and Smith) After graduation Paul worked for 4 years at UPS in Texas and Mexico. He is currently a Controller at Mahle Engine Components.

Itskowitz, Joel (B.A. 1984) Joel is a Digital Cartographer with Hammond World Atlas in NJ.

Karlson, Daniel (B.A. 1997) Dan states that the educational experiences that had the greatest value for him are classes which gave him specific tools to use in the variety of jobs he's had - specifically GIS and remote sensing classes and field experiences using surveying instruments. He is currently a Mass Rescue Operations Coordinator/Search and Rescue Analyst in the U.S. Coast Guard. Thanks, Dan, for sharing the news with other department alumni!

Kavanagh, John (B.A. 2002; M.A. U of Maryland) His geography degree was recognized and well respected when he was hired for GIS and Internet mapping work at the NASA Global Land Cover Facility. He is interested in remote sensing classes and thinks Prof. Flewelling is great! John is a Web Manager (Internet mapping services) with Earth Satellite Corporation. John is interested in having alumni connect with a networking website to share work/research info. Who else is interested?

Koren, Kipp (B.A. GIS/Cartography 2002) Kipp's educational experiences in ArcView and other GIS applications have been the greatest value to him after graduation. He is a Database Coordinator at SRBeard & Assoc. consulting for Valley Metro Rail in AZ. His current interests are rail systems using GIS.

Lagowski-Francisco, Alison (B.A. 1992, M.A. Geology 1996) After graduation Alison worked in the Geology research lab for about two years and then accepted her current position as Assistant to the Chair in the Geology Department at UB.

Lainis, Paul (M.B.A. 1984, M.A. 1986) Paul is a big supporter of UB whenever and wherever he can highlight his education. He is currently the VP of Global Marketing at ACNielsen.

Lamb, Cecil (B.A. 1987) Training in Geography has giving Cecil a firm foundation in mapping, leading to a path in GIS applications and implementation. For the past 13 years Cecil has worked for ESRI in TX and has developed applications, marketed to transportation agencies, advised on system architecture design and acted as a system administrator.

Lollar, Clifton (M.A. 2005 with Dr. Rogerson) Clif states that the analytical skills honed at UB are extremely valuable in his current line of work as a Resource Analyst at Kings River Water Association in CA.

London, William M. (B.A. Geography and Biology 1980; Ed.M. Educational Psychology and Health Education 1984; Ed.D Health Education 1986 - all from UB; M.P.H. from Loma Linda) He is currently an Associate Professor and Chair, Department of General Studies at Charles R. Drew University of Medicine and Science in CA.

McClure, David (B.A. 1986) David states that hard work can pay off and that sleep is over-rated! He is s Staff Officer for NGA (formerly NIMA and formerly DMA).

McDermott, Dennis (B.A. 1976; MBA 1984, Advanced Commercial Lending Certificate in 1990) Dennis states that the ability to see the physical world in multiple dimensions has been incredibly valuable throughout his career. Much of what he does involves urban development and appropriate land use planning. He often conjures images from Von Thunen or some transportation-related study that helps put things into focus. “They just aren’t making any new land.” Dennis is a Vice President of JPMorgan Chase Bank. His current research interests are (1) sustainable development, affordable housing & integration of transportation and (2) economic impacts from migration and day labor issues.

Meixner, Rob (B.A. 1971, M.A. 1976 - SUNY Cortland, CAS Educational Admin. 1996) Rob is the Director of Technology at Baldwinsville Central School District in NY.

Lynn (Miriam), Dara (B.A. 1992; M.A. 1997) “Hands on experience of computer programs i.e. ESRI and AutoCad were of great value! Dr. Ebert is the best! Dara is a senior GIS Analyst at Lake County Board of County Commissioners in FL.

Moffe, J. Daniel (M.A. 1996 with Dr. Rogerson) Daniel is a Senior Location Analyst with Darden Restaurants in FL.

More, Alan (M.A. 1971 with Dr. McConnell; two more Masters from Ohio U and U of Colorado) Alan had a 32-year career in the US national security and intelligence communities. He is an Adjunct Professor of Interdisciplinary Studies at George Mason University. He also lectures/teaches in Syracuse University’s International Relations Program in Washington, DC and the National Youth Leadership’s Defense, Intelligence and Diplomacy Program.

Moreau, George (B.A. 1981, M.A. 1983 with Dr. Ebert) George is a Project Manager with Parsons Corporation in NY. He states that mapping and writing classes/assignments were valuable lessons learned along with interaction with professors and field skills learned during labs and field trips.

Morse, Hal (B.A. 1973, M.A. 1975 with Dr. Smith) After grad school, Hal went into regional planning in Michigan. He is currently the Executive Director of the Greater Buffalo-Niagara Regional Transportation Council.

Murphy, Andrew (B.A. International Business & World Trade 2000) Andrew is a Senior Analyst with the New York Mercantile Exchange (NYMEX) in NY.

O’Neill, Michael (M.A. 1983, Ph.D. 1987 with Dr. Abrahams) After graduation Michael took a faculty position at Virginia Tech in the Department of Geography. He is currently a National Program Leader for the U.S. Department of Agriculture with interests in water resources.

Parton, David (B.A. 1979) The training in Geography helped David to read maps, and the theory of urban geography gave him an overall perspective useful in the real estate field. He is a Real Estate Appraiser for New York State.

Pielmeier, Christine (B.A. 1991; Ph.D. University Bern, Switzerland 2003) Christine is an Avalanche Forecaster/Scientist for the Swiss Federal Institute for Snow and Avalanche Research.

Pitts, Timothy (Ph.D. 1994 with Dr. Rogerson) After graduation, Tim accepted a position at Moorehead State University, followed by his current position of Associate Professor at Edinboro U of PA.

Ponce, Juan (M.B.A./M.A. ITC 1991) Juan mentioned that the elective course, location theory, with Prof. Harrington was very good and very useful in the resources industry (mining). Juan is a Projects Director with Computer Sciences Corporation in South America.

Quodomine, Richard (B.A. 1996, M.A. 2003 with Drs. MacPherson and Thill) Richard states, “My graduate research into international economics has made me a natural fit as an economist - there’s no specific event, but my analytical skills learned, along with computer programs used (TransCad, MS Access) to analyze data for my thesis have advanced my career.” Richard is an Economist with the NYS Department of Labor.

Reilly, James (B.A. 1986; M.U.P. san Jose State U 1992) Jim mentioned that the educational experiences having the greatest value after graduation include cartography, political and physical geography, and industrial location. He is an Urban Planner with the County of Santa Clara in CA.

Riese, Jeff (B.A. 1978, M.S. Civil Eng. 1981) Jeff is a Planning Specialist with Montgomery County Parking Operations in MD.

Robinson, Kelvin (B.A. 1996 - World Trade and Commerce) Kelvin is a Professional Basketball Player in Europe and resides in France.

Rothenberg, Alan (B.A. 1979, M.A. Cartography and GIS 1981 with Drs. Brassel, Brophy and Jarvis) Alan is an IS Compliance Specialist/Technical Writer with Wyeth.

Schmahl, Donald V. (B.A. 1959) After graduation and the military, Donald was a commercial insurance broker and a partner in two export/import firms in China. Currently he is a Principal Insurance Broker with Insurance Associates in CA.

Schoenberg, James (B.A. 1999, M.S. - Daemen College 2005) Jim is a Division Leader - Geospatial Solutions with Bergmann Associates.

Sham, Chi Ho (M.A. 1980, Ph.D. 1984 with Dr. Jarvis) Chi states "My experience at UB was highly positive. I had a great group of advisors that included Richard Jarvis (now provost of U of TX at El Paso, Mike Woldenberg, Athol Abrahams, Vince Ebert and Dan Griffith (now with U of Miami)." After graduation, Chi taught at Boston U until 1991. He is now Vice President of The Cadmus Group with current research in drinking water protection.

Solomon, Ed (B.A. 1971, MsEd Ph.D. 2003 George Mason U) Ed is a Partner with Yale Carlyle Venture Capital Group in VA.

Stone, Kenneth (B.A. 1977) Courses in hydrology, fluvial geomorphology and climatology allowed Ken to meet the qualifications for and land a position as a hydrologist. Ken is now an Environmental Manager at Washington State DOT.

Sullivan, Kimberly (B.A. - International Business & Trade 1997) After graduation, Kimberly moved back to Long Island and began working for JPMorganChase. She is an Assistant Vice President and resides in FL.

Trice, Theodore "Mark" (M.A. 1997 with Dr. Bian) Mark states that the work he did at UB on spatial interpolators actually helped him land his current job as a Leader of Tidal Water Quality Assessment at Maryland Department of Natural Resources. Maryland DNR needed expertise to develop protocols for a new spatially intensive water quality monitoring program and the development of a customized 3-D interpolation program for Chesapeake Bay data.

Wang, Jianguo (Ph.D. 1992 with Dr. Rogerson) Jianguo is the CEO at Worldwide Learning Services, Inc. and has current interests in computer software development.

Wieczorek, William (Ph.D. 1988 with Dr. Ebert) William is the Director for the Center for Health and Social Research and Professor of Geography and Planning at Buffalo State College. His current research interests include epidemiology of behavioral health, spatial aspects of health, health system planning and models/simulation of alcohol ecological systems.

Wojtowicz, Richard (B.A. 1974, M.A. Montana State - Bozeman) Richard is a Reference Librarian/Assistant Professor at Montana State University Libraries. He states that the study of geography has taught him the structure, sociology and politics of knowledge in the social and physical sciences and beyond!

Wong, David (M.A. 1985, Ph.D. 1990 with Dr. MacKinnon) David is a Professor and Chair of Earth Systems and GeoInformation Sciences, School of Computational Sciences at George Mason University. His current research is in population, spatial analysis/statistics, GIS and public health.

Zigas, Eric (B.A. 1980) Eric is a Senior Project manager with Environmental Science Associates in CA.

In the near future we will have our Alumni Questionnaire online. Please check back often at <http://www.geog.buffalo.edu/geogrpahy/> and submit your alumni information. If you would like a form mailed to you please send a message to dbanach@buffalo.edu. Good to hear from all of you!

OBITUARIES

HUGH WEST CALKINS



October 11 1938 -- June 18 2005

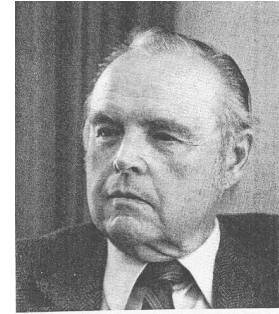
Hugh West Calkins passed away peacefully in Colorado on Saturday June 18 2005 after a battle with cancer. He was 66 years old. Hugh served on the faculty in the Department of Geography at the University at Buffalo from 1975 until his retirement in 2002, and was department chair from 1999-2002. Hugh's professional forte was service -- to the department, to the University, to the community, to the State, and to the Nation. Hugh served on numerous national, state, and local advisory committees and boards, playing a leading role in the development of information exchange standards for the emerging field of geographic information systems. Hugh led the development of guidebooks and standards for GIS adoption by local government within the state that have been used around the world. He also was co-leader of two NCGIA research initiatives. But Hugh Calkins' greatest professional legacy is found in his students, who now play key roles in industry, government, and academia throughout the nation and the world. At a session in Hugh's honor at the annual meeting of the Association of American Geographers in Denver in April 2005, ESRI President Jack Dangermond stated that Hugh Calkins defined what it meant to be

a GIS professional. What a true and perceptive statement. Hugh Calkins is survived by his wife Judy, his daughter Victoria DeMaret, his son John, his grandchildren, and a legion of his former students and colleagues. The University at Buffalo has established the "Hugh W. Calkins Applied GIS Award" to be given annually to a graduate student from the Department of Geography at the University at Buffalo who demonstrates the principles that Hugh developed and taught for many years regarding the successful application of GIS to real world issues.

Many have also asked whether they might make a charitable or educational contribution. Two such recipients hold special meaning for him: Hospice of Metro Denver, without which we could not have made this journey together as a family, and the Hugh W. Calkins, Ph.D. Applied GIS Award, established this past spring in his honor.

Contributions in memory of Hugh W. Calkins may be made to Hospice of Metro Denver by check, payable to Hospice of Metro Denver, 501 South Cherry Street, Suite 700, Denver, CO 80246, or by credit card online at http://www.hospiceofmetrodenver.org/Giving_Opportunities.asp.

Contributions may be made to the Hugh W. Calkins, Ph.D. Applied GIS Award by check, payable to the University at Buffalo Foundation, sent to Diane Holfelner, NCGIA, University at Buffalo, Wilkeson Quad Room 301, Buffalo, NY 14261-0023. [See also <http://www.geog.buffalo.edu/calkinsaward/>]



Edgar C. Conkling

1921- 2004

Born in Indiana, Ed Conkling earned his B.S. degree in economics and sociology from Morehead State College, a Master's degree in sociology from the University of Chicago, and another Master's degree and a Ph.D. in geography from Northwestern University. Beginning in 1961, Ed served as professor of economic geography at Kent State University and then at Queen's University in Canada. In 1968, he moved to the State University of New York at Buffalo where he taught various courses in rural land use theory and regional development, economic geography, international trade, and regional economic integration until his retirement in 1989.

During his tenure at SUNY at Buffalo, he was instrumental in creating the department's undergraduate and graduate programs in international business, which built upon his earlier work as a manager for several years of the home office of a multinational corporation headquartered in Chicago. In addition, he was chair of the department from 1974-177, Associate Editor in 1963-64 and then Editor from 1978-1982 of The Professional Geographer, and Co-editor of the Annals of the AAG from 1982-1984.

Deeply involved in historic preservation during his retirement, he wrote "Frederick Law Olmstead's Point Chautauqua: the Story of an Historic Lakeside Community," and he was a founding member of the Point Chautauqua Historical Preservation Society.

SCHOLARSHIPS



Carl Amrhein Scholarship

The Canadian-American Studies Committee www.canam.buffalo.edu will offer the Carl Amrhein scholarship for students participating in the exchange between the University at Buffalo and the University of Toronto. The Amrhein Scholarship is named for former 1984 UB geography doctoral graduate, Carl Amrhein. Carl was Dean of Arts and Science at University of Toronto when the exchange was established, and is now University of Alberta provost.

CAS Special Tuition Scholarships

The College of Arts and Sciences at UB is offering special \$1,000 tuition scholarships. Scholarships are available to UB graduates pursuing Master's degrees and taking a minimum of 12 credit hours in courses offered by departments in the College of Arts and Sciences for two consecutive semesters. These scholarships are for one academic year, payable in two installments of \$500 each for the Fall 2005 and Spring 2006 semesters. Funding for these awards is limited and students are encouraged to apply as early as possible. These scholarships are only available for Master's degrees offered by departments within the College of Arts and Sciences. <http://www.cas.buffalo.edu/for-students/>

New Alumni Appointment



Marsha S. Henderson, 1973 UB graduate with a bachelor's degree in geography, has resigned as Western New York district president for KeyBank. Henderson will become UB's vice president for external affairs effective September 26. She will oversee UB's offices of advancement, alumni relations, communication and government affairs as well as its newly created community engagement unit.

Henderson will coordinate the university's outreach efforts to alumni groups, the regional community and the national and international academic communities, including fund raising. She will build "effective" government relations, direct philanthropic activities, and lead public relations. She will also create a Council of Corporate Partners, including leaders in the business, legal, science, technology and medical communities.

UB created the new position as a result of its new strategic plan, which included a task force studying what UB's role in the local community should be.

Our Thanks!

We are grateful to the following friends and alumni who have made contributions to the department in 2005. We also thank several anonymous donors for their support, as well as other donors for whom we do not have contact information.

Mr. Charles K. Barr
Mr. William Chin
Mr. Gregory R. Coniglio
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Mrs. Christine Hesselbach-Fico
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Mr. Dennis McDermott
Dr. Wendy E. Miller
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Mr. Andrew Rakowski
Mr. Timothy J. Sayers
Mr. Kenneth M. Stone
Mr. Thomas N. Vacca
Mr. Dan T. Winton

We are glad we had your email to contact you. Thanks for allowing us to publish your name! Please note that our alumni database is still under construction, and that many donors have not been listed. We will try to fix this soon.

A Newsletter from the Department of Geography

Calendar of Events

October 7, 2005	Colloquium Speaker: Dr. Lawrence Band, Voit Gilmore Distinguished Professor, U of NC at Chapel Hill
October 7-9, 2005	36th Binghamton Geomorphology Symposium at UB Center for Tomorrow
October 13, 2005	Paper deadline for AAG 2006
November 10-12, 2005	North American Regional Science Association (Las Vegas)
November 11, 2005	Colloquium Speaker: Dr. Alan Strahler, Boston University
November 14-19, 2005	Geography Awareness Week at UB
December 9, 2005	Last day to submit news for winter edition of newsletter
January, 2006	Winter newsletter distributed
February/March, 2006	Career Fair at UB
March 7-11, 2006	Association of American Geographers (Chicago)

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