Laura Harrison, a senior undergraduate majoring in Geography, interned with the Nuclear Program at the Natural Resource Defense Council (NRDC, a non-governmental organization) through the UCSB - Washington D.C. (UCDC) Program last fall. One of her GIS projects involved identifying nuclear facilities in China, and her work ended up on the front page of The Washington Times (Feb. 16) under the caption “Commercial photos show Chinese nuke buildup.”

“During the fall of 2005, Laura was an intern at NRDC conducting geographic information system (GIS) analysis of Chinese nuclear forces for the NRDC Nuclear Program. Using commercial satellite imagery, Laura helped us locate Chinese air and naval bases and identify aircraft and submarine types by their shapes and dimensions. She also worked on other projects at NRDC developing maps and environmental presentations. Laura was quite talented and a pleasure to work with.” – Tom Cochran, Director of NRDC’s Nuclear Program.

Laura’s work was included in an NRDC publication (Cochran, T., McKinzie, M., Norris, R., Harrison, L., and Kristensen, H. [Winter 2006]. “China’s nuclear forces: The world’s first look at China’s underground facilities for nuclear warheads,” Imaging Notes, www.imagingnotes.com), and that led to some major publicity. According to first author Thomas Cochran (Laura’s boss at NRDC), “We published some Chinese nuclear weapons related images in Imaging Notes to get a scoop and as a teaser for a longer report on the Chinese nuke program that we are currently developing. The images were picked up by the Washington Times… and printed on the front page above the fold, and this in turn was the lead article in EarlyBird (the Pentagon’s internal news clips)... As evidenced by the Times article, our work is flushing out into the public more heretofore classified info on the Chinese Program.” The publication that Laura coauthored points out that “China is nowhere near nuclear parity with the United States, but both countries seem poised to modernize their nuclear forces with an eye to the other’s intentions and capabilities. That race, although less about numbers than capability, must

<table>
<thead>
<tr>
<th>INSIDE THIS ISSUE:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergrad Reveals Chinese Nuclear Secrets</td>
<td>1</td>
</tr>
<tr>
<td>Notes From the Chair</td>
<td>2</td>
</tr>
<tr>
<td>Humor Spot</td>
<td>2</td>
</tr>
<tr>
<td>Would You Like To Donate?</td>
<td>4</td>
</tr>
<tr>
<td>Gift Information</td>
<td></td>
</tr>
<tr>
<td>Thank You, Donors!</td>
<td>5</td>
</tr>
<tr>
<td>Undergrad Lands National Geographic Internship</td>
<td>5</td>
</tr>
<tr>
<td>Kudos: Geography in the News</td>
<td>6</td>
</tr>
<tr>
<td>Why Are the Frogs Croaking?</td>
<td>7</td>
</tr>
<tr>
<td>Alumni: Where Are They Now?</td>
<td>9</td>
</tr>
<tr>
<td>Alumni News and Change of Address Form</td>
<td>10</td>
</tr>
</tbody>
</table>

Laura/ Page 3 ▶
NOTES FROM THE CHAIR

My spies tell me that a large group of UCSB students, faculty and alumni were gathered in a diner in Chicago at the recent meeting of the Association of American Geographers in Chicago. The staff of the initially empty diner (all of two) were overwhelmed at the arrival of over 20 UCSB geographers, but did their best with victuals and drink for all. With our program a mere 31 years young, our body of alums is now beginning to swell, and an impressive one it is indeed! UCSB Geography grads can be found all over the map: in academia, business, government and elsewhere. Santa Barbara beach sands are spreading out around the world, and making waves. In our mission statement, we state that “we will build an extraordinary community for creating new knowledge about planet earth and its inhabitants.” This community is getting bigger and bigger, and better and better. Next year, let’s do better than a diner!

This is my last newsletter column as Chair. Starting July 1st, if all goes according to plan, I’ll be passing the department leadership over to Oliver Chadwick, ending my five-and-a-half year run as Chair. Much has happened in that time—we’ve had losses and sadness, but also some gains and fun along the way. I’ve hired five new faculty (hopefully to be six by June), worked on innumerable space plans for the department, and overseen merit and promotions for virtually all. Students have been admitted and graduated and not known any other chair! It’s time to move on.

My greatest accomplishment as Chair, however, has been to work with our extraordinary staff to support the excellent geography going on here. There have been turnovers and new hires, but, all told, the department owes an enormous debt of gratitude to those who support the academic role, allow us to compete for grants, ensure reliable and cutting edge computing, balance our books, and write the reports. Next time you are in the office, take the time to thank a UCSB Geography staff member. And my own special thanks to Mo Lovegreen, who has given us extraordinary leadership and energy as MSO. I know that Oliver will do well as chair, since he inherits a group of the best.

For now, I hope to disappear into the sunset for a while. I have been awarded both a UK Leverhulme award and a Fulbright, and will spend the next academic year based at the City University of London and the University of Trieste in Italy, writing and lecturing. After 16 years, I’ve decided that it is time for a sabbatical. There is still much to do between now, the transition of leadership (July 1st), and when I leave for London, so I’ll be busy until then. Still to complete is the Department’s program review documentation and the final round of plans for the Phelps renovation and move. Busy times!

Lastly, a final note of thanks to those who have donated money to the Department this year. As state budgets tighten, and we are expected to do more with less, the fact that we have unencumbered funds for the myriads of extra items we need makes all the difference. We have added a button to the Department web site for those who wish to donate money to our many named funds. Prior to April 15th is a good time to click that button, but any time works for us.

Best wishes,
Keith Clarke

Proof of Global Warming

Source: http://vivelesrondes.com/Elcarreradream/Juste+pour+le+fun/
be watched carefully, and remote sensing data is an invaluable tool to better understand Chinese nuclear forces and U.S. claims about their capabilities."

As Laura puts it, "Most of the images in the articles are pieces of the satellite imagery that I analyzed. I helped find the best images to buy, then helped load them into our ArcView 3.3 project, and looked at each one in depth, marking important objects and identifying them. I looked at their spatial distribution on individual site and country scales using many methods I learned in the Geography 176 and 115 series last year. I helped find the tunnels and identified the aircraft and submarines, including the Xia Class and nearby underground facility that are such a big deal. The 2 images on the top of the front page of the Washington Times are what I cut out!!! I’m in shock." The images that Laura alludes to are of China’s strategic nuclear submarine base north of Qingdao that contains a long-rumored but never before publicly seen underground coastal submarine tunnel, China’s only ballistic missile submarine, several strategic bombers and fighters, and a major nuclear weapons laboratory.

Laura is taken aback by all the attention, but she certainly deserves it. Sean O’Connor (BS, 2005), who recently completed an internship with National Geographic, emailed our Chair the following: "I wanted to drop you a note to say hello and give you some important updates. Most notably on Laura Harrison, a gem of the UCSB undergrad program. Laura was here in the fall on the UCDC program and interned with the NRDC. She did some amazing work for them identifying nuclear facilities in China. AND!! Today her work was featured on the front page of the Washington Times!" And Robert Margolis (BA, 1987, Engineering) contacted the editor to say, "Just read the article on China’s nuclear forces and the photos showing their underground facilities. I was pleasantly surprised to see that one of the authors is a UCSB undergrad. While I did not graduate in geography, I always remember the school giving undergrads a great hands-on learning experience. Congratulations to Ms. Harrison and the UCSB Geography department." Well, Laura is a gem—and the Department deserves to be congratulated for providing her with an ideal setting.

Below: Dotted lines indicate some of the images that Laura cut out, including those of the nuclear sub Xia and entrances to the underground sub facility that were featured in the Washington Times article.
Would You Like To Donate?

Gift Options

Gifts of support for the Department of Geography at UCSB are deeply appreciated. All gifts, large and small, help us in our mission of teaching and research, and promote the study and understanding of planet Earth and its inhabitants.

For the following accounts, please make checks payable to: UC Regents

- Geography Department Support: Unrestricted support.
- 30th Anniversary Scholarship: An endowment designed where interest only will be used to fund an annual scholarship.
- Landon Romano Textbook Scholarship: Landon Romano, 1999 alumnus, established a textbook fund to give back to the department that made a positive difference in his career.

For the following accounts, please make checks payable to: UCSB Foundation

- <Your Name Here> Scholarship Fund: See: http://www.geog.ucsb.edu/about/giving.php
- The Nicholas Bourdakis Memorial Fund: The Bourdakis Fund was established after the tragic death of Nicholas, who died in February 2001 when struck by a car in Isla Vista. He had just declared Geography his major.
- Jack and Laura Dangermond Fund: Jack Dangermond is the founder of ESRI (1969), a GIS and mapping software company. He is considered one of the most influential people in GIS worldwide.
- The Jack Estes Memorial Fund: Jack Estes was a Geography faculty member for over thirty years. He built a thriving remote sensing research unit and mentored many students.
- The Reginald G. and Allison L. Golledge Distinguished Lecture Fund: Twenty years ago, the Golledge Distinguished Lecture was instituted to bring highly respected speakers to campus to share their research.
- The David Simonett Memorial Fund: David Simonett was the first Chair of the Geography Department. He built what has become one of the nation’s finest Geography Departments.
- Leal Mertes Memorial Scholarship Fund

Please clip form and send with donation. Thank you!
THANK YOU, DONORS!
The following people and institutions donated funds to the Geography Department
November 2005 - March 2006

Geography Department Support
Marlene Lentz
William Leonard
John Shute
Maureen Lovegreen
The Andrew W. Mellon Foundation

Nicholas Bourdakis Memorial Fund
Anthony & Patricia Bourdakis
Lucia Miller
James & Linda Pickering

Golledge Distinguished Lecture
Reginald & Allison Golledge

Leal Mertes Memorial Scholarship
William & Nancy Anderson
Wesley & Judith Baker
Michael & Lauri Baker
Marilyn Bateson
Richard & Danielle Bellows
Ervin & Janice Birzer
Evangeline Caliandro
Captain & Nancy Carothers

Leal Mertes Memorial Scholarship
Elizabeth Cowie
Steven & Veeann Cross
Thomas & Kathy Dube
Matthew Dunn
Daniel & Mary Ellis
Lorne & Jennifer Everett
Anna Mary Fisher
John & Genevieve Frost
Robert Gomez & Marie Marks
Earl Hajic
Haley & Aldrich Inc.
Allan Hollander & Alison Kent
L. Douglas & Zhida James
David & Louise Janecky
David Knell
Marilee Kushner
Richard & Suzanne Lathrop
Elaine Levin
Richard & Jane Lopatt
Tobae McDuff & Russell McDuff
Robert & Mereth Meade
John S. Merritt & Wendy D. White
John & Ann Milliman

Leal Mertes Memorial Scholarship
Curtis Mobley & Ann Kruse
Shira Musicant
Debbie Peters
Ken & Deborah Pontifex
Geoffrey Poole
Langdon Quetin & Robin Ross-Quetin
Ruth Rehfus
William & Norma Reiners
Michael & Muriel Robinette
David & Julie Siegel
Jack & Dorothy South
Matthew & Nancy South
Hilgard & Carolina Sternberg
Waldo & Rachel Tobler
James & Kristin Tranquada
Jonathan Warrick
Libe & Sherry Washburn
Thomas & Betty Wells
James Wells
Joseph & Bernice Wells
Nancy Wells
Robert West

Maral Tashjian Lands National Geographic Internship

Maral Tashjian, a UCSB Senior majoring in Geography, has become our third undergrad
to receive a National Geographic Society Internship in the last year. Now in its 25th year,
the NGS intern program offers “qualified students a professional learning experience
through participation in various projects aimed at the diffusion of geographic knowledge,”
according to program director Robert E. Dulli. Interns are given the opportunity to apply
knowledge and classroom techniques to practical publication procedures or other
geographic outreach projects, and they may be assigned to a project team to conduct
editorial or cartographic research for one of the NGS magazines, books, or maps. The
program is highly selective, and heads of geography departments at colleges and universities
throughout the United States are asked to encourage only their strongest students to
apply.

Maral is a student assistant in the Geography Department and is responsible for
many of the dazzling digital graphics seen on our web site and in our Newsletter. Her
interests in Geography include Geovisualization, GIS, and Sustainability. She has a
webmaster internship with the UC/CSU/CCC Sustainability Conference (to be held at
UCSB June 25-26, 2006), does graphic design and web work for the MesoAmerican
Research Center (MARC, part of the UCSB Institute for Social, Behavioral, and Eco-
nomic Research), is doing her senior thesis on visualizing the Mayan landscape using GIS
under the supervision of Dr. Keith Clarke, and continues to work with the NSF-sponsored ANIMEYE research project (Eye-
Movement Analyses of Dynamic Geovisualization Displays) under grad student Stacy Rebich and PIs Dan Montello and Sara
Fabrikant.

Maral joins an elite group. Graduate student Meri Marsh became the first UCSB geography student to garner an NGS
internship (2003) in the last decade, and she seems to have paved the way for the department’s recent and successive undergraduate appointments—including Sean O’Connor, Katy Kontgis, and, now, Maral—no small feat insofar as only 11 internships are awarded nationally each fall, spring, and summer. While only the “strongest students” are encouraged to apply, we happen to have a lot of them!
Grad student Nicholas Gazulis is a recipient of one of just three United States Geospatial Intelligence Foundation (USGIF) graduate student scholarships awarded this year. USGIF awarded a total of nine $5,000 scholarships to recognize promising achievers in fields related to geospatial intelligence—three scholarships each to graduate students, undergraduate students, and graduating high school students who pursue college or university academic programs related to geospatial intelligence. USGIF is a Virginia-based non-stock, not-for-profit corporation dedicated to promoting geospatial intelligence tradecraft and developing links between government, industry, and academic and professional organizations and individuals who share an interest in the development and application of geospatial intelligence data and geoprocessing resources to address national security objectives.

Jeff Dozier, an Associated Faculty Member of the Geography Department and founding Dean of the Bren School of Environmental Science Management, recently received the William T. Pecora Award for outstanding contributions to remote Earth sensing. The award is sponsored jointly by the U.S. Department of the Interior and the National Aeronautics and Space Administration and was made for Professor Dozier’s “scientific excellence and leadership in snow hydrology, remote sensing, and information systems.” UCSB is the only university that can boast multiple winners of the award—David Simonett won it in 1991 and Jack Estes won it in 1999.

On January 14, 2006, the Fellows Committee of the American Geophysical Union elected Professor Tommy Dickey as one of 45 members to join the ranks of AGU Fellows this year. The Fellowship is awarded to scientists who have attained acknowledged eminence in one or more of the various branches of geophysics.

To quote its website, “the American Geophysical Union is an international scientific society with more than 41,000 members in over 130 countries. For over 75 years, AGU researchers, teachers, and science administrators have dedicated themselves to advancing the understanding of Earth and its environment in space and making the results available to the public through publications and international forums.” Prof. Dickey is the principal investigator of UCSB’s Ocean Physics Laboratory, and he’s a faculty member in the Departments of Geography and Mechanical and Environmental Engineering. His primary research interest is in interdisciplinary oceanography, and his group specializes in the deployment of physical, chemical, biological, and optical instrumentation on autonomous platforms in shallow coastal and deep open-ocean settings.

The committee recommends and oversees National Research Council studies responsive to the interests of sponsors. These activities cover spatial data issues related to: science and technology for advancing geographic data collection, including global positioning systems, remote sensing, and photogrammetric and surveying procedures; compilation, integration, and exchange of spatial databases; the use of spatial data throughout society; technological and institutional developments needed for improving spatial data use; coordination opportunities and efforts from local to global scales for the presentation, archiving, and dissemination of spatial data; human resources and education in support of the advancement of mapping science; hardware and software systems in support of the advancement of spatial data infrastructures; and the science, technology, and art of visualization and presentation of spatial data.

Most recently, Keith chaired an ad hoc committee for the Mapping Sciences Committee on Basic and Applied Research Priorities in Geospatial Science for the National Geospatial-Intelligence Agency. The report from this 18 month long study will be released within the next month.
WHY ARE THE FROGS CROAKING?

According to a 1994 publication by the Global Amphibian Assessment (a collaboration among scientists from IUCN-The World Conservation Union, Conservation International, and NatureServe), nearly one third of the world’s frogs, toads, salamanders, and other amphibians are threatened with extinction. Frogs are “croaking” at an alarming rate. For example, two thirds of the 110 species of harlequin frogs that once lived in the Central and South American tropics have disappeared since the 1980s, and the Monteverde harlequin frog (pictured below) and the golden toad disappeared from the cloud forests of Costa Rica 17 years ago. These particular extinctions are the focus of a recent study coauthored by Professor Christopher Still in the prestigious journal Nature. The January 12 (vol. 439) article, Widespread amphibian extinctions from epidemic disease driven by global warming, hypothesizes that global warming is causing outbreaks of an infectious disease in the mountains of Costa Rica and throughout Central and South America that is wiping out entire populations of frogs. According to the abstract:

As the Earth warms, many species are likely to disappear, often because of changing disease dynamics. Here we show that a recent mass extinction associated with pathogen outbreaks is tied to global warming. Seventeen years ago, in the mountains of Costa Rica, the Monteverde harlequin frog (Atelopus sp.) vanished along with the golden toad (Bufo periglenes). An estimated 67% of the 110 or so species of Atelopus, which are endemic to the American tropics, have met the same fate, and a pathogenic chytrid fungus (Batrachochytrium dendrobatidis) is implicated. Analysing the timing of losses in relation to changes in sea surface and air temperatures, we conclude with ‘very high confidence’ (.99%, following the Intergovernmental Panel on Climate Change, IPCC) that large-scale warming is a key factor in the disappearances. We propose that temperatures at many highland localities are shifting towards the growth optimum of Batrachochytrium, thus encouraging outbreaks. With climate change promot-

ing infectious disease and eroding biodiversity, the urgency of reducing greenhouse-gas concentrations is now undeniable.

To quote J. Alan Pounds, the article’s lead author and the Resident Scientist at the Monteverde Cloud Forest Preserve in Costa Rica, “Disease is the bullet killing frogs, but climate change is pulling the trigger...Global warming is wreaking havoc on amphibians, and will cause staggering losses of biodiversity if we don’t do something fast.” The Nature article concludes by stating that “We establish that global climate change is already causing the extinction of species. Taking our results and recent findings that tie the same losses to disease, we conclude that climate-driven epidemics are an immediate threat to biodiversity...The case illustrates how greenhouse warming and the resultant intensification of the hydrological cycle, together with aerosol pollution, may affect life on Earth. Influencing patterns of cloud formation, these agents alter the thermal, light and moisture environments of many organisms, changing ecological interactions and threatening species survival.”

Professor Still is now planning to conduct research with his graduate student, Park Williams, at the Monteverde Cloud Forest Reserve in Costa Rica. The goal of this research will be to use isotopic tracers to quantify cloudwater uptake by forest vegetation, and to analyze isotopic tracers within tree ring cellulose to reconstruct climate change at Monteverde over the last century and beyond. This research will help to set the recent observed climate changes at Monteverde in context and to examine the influence of tropical lowland deforestation on the changes. The research should also help us to understand how climate change and disease dynamics interact to impact ecosystems around the globe.

Dr. Still is an Assistant Professor in Geography at UCSB. He received his PhD in Biological Sciences at Stanford University, and his current research interests include global ecology, isotope biogeochemistry, plant ecophysiology, and biosphere-atmospheric interactions.
Grad student Kirk Goldsberry recently received a $15,000 Dissertation Grant from the University of California Transportation Center. Elizabeth Deakin, Professor of City and Regional Planning and Director of the UC Transportation Center at Berkeley sent Kirk the following e-mail on February 2nd: “I am pleased to inform you that you have been selected for a UCTC dissertation grant. The grant is made for your proposed work, Cartographic Displays of Congestion in ATIS. The grant will be for $15,000 and may be used to cover your salary, benefits, and expenses. When you complete the dissertation you must provide an electronic copy to UCTC. Also, we would like to receive electronic copies of all papers you write based in whole or in part on this work. Congratulations, and I look forward to seeing the completed dissertation!”

According to their web site, “the UCTC awards up to ten doctoral dissertation grants of $15,000 every academic year. Applicants must be students at the University of California and must be carrying out dissertation research on topics with direct relevance to U.S. surface transportation, with a focus on systems analysis and policy.”

Kirk applied for the fellowship last fall on the advice of Professor Reginald Golledge, one of his PhD committee members. Kirk states, “I’m interested in real-time traffic maps for the internet. Specifically, I’m researching how different map design decisions will influence the effectiveness of traffic map displays in mobile environments.” Kirk received a BS in Earth Sciences at Pennsylvania State University in 1999 and an MA in Geography at UCSB in 2002. His PhD committee members include Keith Clarke (advisor), Kostas Goulias, Waldo Tobler, and Reg Golledge, and he hopes to finish his dissertation in 2007. Best wishes and congratulations to Kirk!

An “angst of dissertations”

Please join us in congratulating the following grad students for completing their PhDs in Geography in the past year:


William Corrigan (Summer 2005; Rick Church, chair): “Travel Time Estimation for Emergency Medical Vehicles with Applications to Location Models”


Ryan Engstrom (SDSU & UCSB; Summer 2005) “Effects of Spatial and Temporal Variability in Vegetation, Soil Moisture, and Depth of Thaw on Modeled Evapotranspiration Estimates in Arctic Coastal Plain Ecosystems”

Nicholas Nagle (Summer 2005; Stuart Sweeney, chair) “Continuous Field Statistical Methods for Spatial Analysis in the Social Sciences”

John Rogan (SDSU & UCSB; Summer 2005; Dr. Franklin, SDSU, chair): “Operational Monitoring of Land-Cover Change Using Multitemporal Remote Sensing Data”

Alexandra Syphard (SDSU & UCSB; Summer 2005) “Long-term Impacts of Frequent Fire and Urban Growth on Southern California Coastal Shrublands: An Integrated Simulation Modeling Strategy”

Noah Goldstein (Fall 2005; Keith Clarke, chair): “The Computational Testing of Urban Growth Modeling”

Matthew Rice (Fall 2005; Mike Goodchild, chair): “Intellectual Property Control for Maps and Geographic Data”

Jorge Sifuentes (Fall 2005; Mike Goodchild, chair): “Geographical Information Systems Data Implementation for Analyses of Settlement Patterns of an Early Agricultural Society”

Richard Middleton (Winter 2006; Rick Church, chair): “Geographical Distillation: Application of the p-Median, Traveling Salesman, and Regionalization Problems”

Rebecca Powell (Winter 2006; Dar Roberts, chair): “Long-Term Monitoring of Urbanization in the Brazilian Amazon Using Remote Sensing”

After 85 years, the Annual Meeting of the Transportation Research Board is expected to reach 10,000 attendees, representing all levels of government, educational institutions, and private industry. UCSB Geography will be strongly represented at the Washington, DC venue with four paper presentations, two workshops organized by our affiliates, and many more activities.

Shaunna Burbidge (left) will present a paper that builds on her MA graduate work titled “Travel Behavior Comparisons of Active Living and Inactive Living Lifestyles,” coauthored with K. Goulias, and T. Kim. Kriste Henson will present a paper emerging directly from her latest doctoral research on “Preliminary Assessment of Activity and Modeling for Homeland Security Applications,” coauthored with K. Goulias. Professor Kostas Goulias will present a paper from his University Transportation Center project on “Altruists and Egoists in Activity Participation and Travel: Who Are They and Do They Live Together?,” coauthored with Kriste Henson. Joao Abreu, who was a Fulbright/FLAD visiting scholar at UCSB, will present a paper from his doctoral work on “The Effects of Land Use Characteristics on Residence and Employment Location and Travel Behavior of Urban Adult Workers,” coauthored with T. Golob and K. Goulias. On the Sunday before the meeting, Val Noronha will be busy co-chairing a workshop on “Spatial Data Needs and Opportunities: Safety, Security, Planning and Operations, Environment, and Infrastructure” while Kostas Goulias will chair the workshop “Coast-to-Coast Tutorial with Activity Models.”
Alumni: WHERE ARE THEY NOW?

Dan Amsden (BA, 2000)
After UCSB I headed to Cal Poly and finished a master’s degree in planning in 2002. I currently work as a city planning consultant for Mintier & Associates in Sacramento, specializing in land use planning & policy and urban design.

Burns, Vincent T. (BA, 1983)

Cayocca, Kelly D. (MA, 1995)
I’ve been in France since 1994 excepting a brief stint in Washington, D.C. I am currently working as a geographer on historic aerial photography and current high resolution aerial photography for feature extraction. Married, three children and very happy with my UCSB education. Address: 11 rue de Porspaul, Lampaul-Plouarzel, Finistere 29810, France; Email: kelly.cayocca@nasca-geosystemes.com.

Chason, Caitlin L. (BA, 2002)
Upon graduation from U.C.S.B, I moved to San Diego and started the Master’s program in Geography at S.D.S.U. I am finished with all my classes, teaching Physical Geography labs, working on my thesis, and will graduate this Spring! I’ve also had the chance to get some great professional GIS and biogeography experience with the San Dieguito River Park, UC Cooperative Extension, and the San Diego County Farm and Home Advisors office. I am applying to doctoral programs for the upcoming Fall in order to pursue a career as a geography professor!

Collin, Jerome (MA, 1990)
I just wanted to say a warm HI and give you my very best regards - since 1990 and my (quick - ask Dave Siegel ..) graduation I have been doing R&D in hydrodynamics for the French Department of Defense, then did a few years of management consulting with Arthur Andersen and am now into consulting in intellectual property since 1997. On a personal note I am married (with Anne-Sophie who joined me at UCSB in 1990) and we raise our three kids. I keep wonderful memories of my time at UCSB. Keep on the good work with high spirits! All the best to everyone - Jerome / PS : my job sometimes brings me to the US - if anyone from the old 1990 days is around I’d be happy to come and say hello next time.

Demers, Steve
Steve and his wife Ruth currently live in Riverside, Ca with their two young daughters, Hope and Ella. After graduation Steve was employed with Rand McNally-Thomas Bros. in Irvine. In 2004 he was hired by the Riverside County Assessors Office and the family made the move out of Orange County. In a short time he was promoted to his current position as Senior GIS Specialist.

Harvey, Brian J.
I have been working for an airline for the past two years since graduation, (traveling the world; I spent four years studying), and now I have moved up to the S.F. Bay Area and am looking for jobs in the Environmental/Geography field. Hopefully something will work out.

Holberton, James H.
Address: 1130 NW Elgin, Bend, OR 97701; email: jamesholberton@yahoo.com.

Margolis, Robert (BA, 1987: Engineering)
Just read the article on China’s nuclear forces and the photos showing their underground facilities. I was pleasantly surprised to see that one of the authors is a UCSB undergrad: http://www.imagingnotes.com/go/page4a.php?menu_id=23. While I did not graduate in geography, I always remember the school giving undergrads a great hands-on learning experience. Congratulations to Ms. Harrison and the UCSB Geography dept.

Perham, Robert J.
Single and no longer working in the Geography field (I used to work at ESRI)...but I still love geography!

Peterson, Ervand M. (BA, 1972)
MSc. (’78) & Ph.D. (’84) Natural Resources - University of Michigan. International seminars USNPS & USFS. Developed and directed tropical forest research station - Queensland, Australia, School for Field Studies. Consultant to India Wildlife Institute in Dehra Dun in conservation education and with Indian Forest Management Institute in Bhopal to develop masters and Ph.D. programs for professional foresters. Currently teach environmental studies at Sonoma State University. Wife and I have just completed first year in our new strawbale house in Petaluma. While living in Queensland I ran into former UCSB geography professor Norm Sanders. He was MP and quite involved in saving the Franklin River from damming. Address: 179 Marshall Avenue, Petaluma, CA 94952-1221; tel. 762-9179; email: ervp@aol.com.

Stamnjerohn, Sharon E.
PhD, Columbia University, 2006; NOAA Climate and Global Change Fellowship, 2006-2007, Goddard Institute for Space Studies, New York, NY. Address: 4 Hall Avenue, Nyack, NY 10960; tel. 358-5662; email: sharons@ldeo.columbia.edu.

Stanton, Alyson M. (BA, 1998)
I am currently working as a Cartographer for the Auto Club of Southern California.

Thompson, Charles K. (BA, 1985)
For the past 15 years, I have worked at the Jet Propulsion Laboratory as a software developer and analyst, most recently on the Mars Exploration Rovers. Address: 7121 Estepa Drive, Tujunga, CA 91042; tel. 951-6200; email: charles.thompson@comcast.net

Traeger, Tom E. (BS, 2000)
Earth Science teacher at La Canada High School, La Canada, CA since 2001. Married on 8/7/05 to fellow UCSB alum Daphne Richer! Address: 140 N. Canyon Blvd. #D, Monrovia, CA 91016; tel. (626) 256-9231; email tetraeger@yahoo.com.
Alumni News and Change-of-Address Form

We would love to hear news of your life and appreciate your taking the time to update us with addresses and phone numbers. If you prefer, submit the information on-line at: www.geog.ucsb.edu/people/alumnus_update_form.htm

NAME: First ___________________ Middle initial _____ Last name ______________________________

Last name when graduated, if different from above ______________________________

DEGREE(S): Please circle the degree(s) you earned in Geography at UCSB and write the year received.

BA Year _______ BS Year _______ MA Year _______ PhD Year _______

CONTACT NUMBERS: Do we have your current contact information? If we need to update our records or if you're not sure whether we have your latest numbers, please fill in the information.

Street address or P.O. Box ______________________________

City ______________________________

State or Province ______________________________

Zip code (or postal code) ______________________________

Country, if not United States ______________________________

Phone number ______________________________

Email address ______________________________

NEWS: Please share brief news of a personal or professional nature – marriage, births, jobs, further education, career changes, publications, awards, etc. If possible, limit submissions to 100 words or less.

Mail to:

Newsletter Editor
Geography Department
University of California
Santa Barbara, CA 93106-4060

Thank you very much!
Mei-Po Kwan (UCSB PhD, 1994), Distinguished Professor of Social and Behavioral Sciences at The Ohio State University, Editor of the Annals of the Association of American Geographers, and Chair, AAG Geographic Information Science and Systems Specialty Group (GISSG), recently sent the following announcement:

The Award Committee of GISSG is pleased to announce the selection of Michael F. Goodchild, Department of Geography, University of California Santa Barbara, as the recipient of the Robert T. Aangeenbrug GISSG Distinguished Career Award.

The Award is given to honor a senior scholar for sustained and effective research contributions in geographic information systems and science. It is bestowed based on a record of published research and/or other accomplishments that extends over a period of several decades. To be selected as a recipient of this award, the research of the scholar must be deemed of great importance and relevance to geographers, and this research must be largely concerned with or applicable to Geographic Information Systems and Science.

Michael Goodchild is Professor of Geography at the University of California, Santa Barbara. He received his BA degree from Cambridge University in Physics in 1965 and his PhD in Geography from McMaster University in 1969. He came to UCSB in 1988 and was Director of NCGIA from 1991 to 1997. He was elected member of the National Academy of Sciences and Foreign Fellow of the Royal Society of Canada in 2002. He has received honorary doctorates from Laval University, Keele University, McMaster University, and Ryerson University.

Michael Goodchild’s career spans the last three decades. As a member of the Award Committee commented, “No one has done more to project a positive impression of GIScience than Mike. His stature in the field has played an important role in helping GIScience take its rightful place within the AAG. His membership in the National Academy of Sciences and service to numerous NRC committees cannot be overstated. The students he has mentored will form the basis for the next generation of GIS experts.”

Goodchild has undoubtedly made “sustained and effective contributions” to research and education in GIScience. His career achievements are mainly in his contributions to: (a) the transition from GIS as a tool to GIS as a science; (b) GIScience research; (c) GIScience research infrastructure; and (d) the dissemination of spatial thinking to researchers in a wide variety of disciplines (from environmental sciences to social sciences and humanities).
INSIDE:
Undergrad Reveals Chinese Nuclear Secrets
Notes From the Chair
Humor Spot
Would You Like To Donate? Gift Information
Thank You, Donors!
Undergrad Lands National Geographic Internship
Kudos: Geography in the News
Why Are the Frogs Croaking?
Alumni: Where Are They Now?
Alumni News and Change of Address Form