NEW PROFESSOR JOINS DEPARTMENT

Dr. Christopher Still will join UCSB’s Geography Department July in 2003. Originally, he was scheduled to come last July, but a wonderful opportunity arose for him to spend some time at the National Center for Atmospheric Research in Boulder, Colorado (NCAR). At NCAR, he is collaborating with other scientists to study the role of terrestrial vegetation in the global carbon cycle. NCAR scientists are developing instruments and computer models to better understand the natural carbon cycle and how humans are influencing it.

When Chris was an undergraduate at Colorado State University, he was planning to become a medical doctor. One summer, just for fun, he decided to take field courses at the Rocky Mountain Biological Lab (RMBL), which is outside Crested Butte, Colorado. A course in “Biology and the Human Predicament,” which surveyed humanity’s destructive and dangerous impact on the earth and covered such topics as deforestation and global warming, caught fire in his mind and changed his career direction. After completing a BS in Biochemistry from Colorado State University, Chris headed to Stanford where he earned a PhD in Biological Sciences.

Chris returned last summer to RMBL, staying in a cabin among the trees and writing papers and planning research projects. His fiancee, Maria Murphy, was a cook at RMBL. At the end of the summer, when all the Lab programs were done, he and Maria got married in a meadow near RMBL. Guests were given permission to stay in just-vacated cabins.

Chris will come to UCSB a number of times this winter and spring to set up his lab, attend faculty meetings, and meet students. Then in June, he, his wife Maria, and two puppies – Truman, a coonhound, and Izzy, a heeler-pointer mix – will move to Santa Barbara. Chris will teach an introductory course in biogeography Fall 2003 and perhaps an introductory course in global ecology. He is considering developing upper division courses in the global carbon cycle and isotope biogeochemistry. Chris enjoys hiking, mountain biking, skiing, and ocean kayaking.

The Study of Geography and Our Department

Geography’s roots lie in our desire to describe and understand our home, Earth. Early efforts included explorers writing journals of their treks, and traders and soldiers drawing maps essential to profit and survival. Today, geographers use science and technology to map the earth with pinpoint accuracy and discover processes of change that increasingly affect the planet.

Over the last thirty years, Geography at UCSB has become one of the leading U.S. departments. There are twenty-three faculty, approximately 100 graduate students, and 200 majors. External research funding has been averaging $8 million per year. While known internationally for its emphasis on advanced technologies such as satellite remote sensing, geographic information systems, and computer based modeling, the department’s faculty, researchers, and students come from a wide range of backgrounds.
Note from Chair

The Geography Department is in an exciting period of change and expansion. By July, we hope to have three additions to the faculty. We are in the planning stages of consolidating our scattered offices, labs, and classrooms such that we’ll occupy nearly twice the space in Ellison Hall. And it seems likely we’ll again set records for the Department and UCSB for the amount of grant funds and the number of faculty awards received. Next year, the National Research Council will be compiling data for the 2005 ranking of departments. We were #4 in the last ranking, which was in 1995. While rankings should, or course, be kept in perspective, we will be watching the process with above average interest!

Two anniversaries are coming up in 2004. The Association of American Geographers (AAG) will celebrate its centennial, and UCSB’s Geography Department will be 30 years old. (Before 1974 we were a “Program” run by the College of Letters and Science with neither Chair nor autonomy.) One of the AAG’s centennial projects is a timeline of Geography in the 20th century. Following suit, we have been building our own timeline. And we’ve begun an effort to chronicle the early history of geography at UCSB. We’re collecting the information on the Department website (www.geog.ucsb.edu/more/history_index.htm). Do you have historical points for the timeline or stories we can add? Drop our webmaster and newsletter editor a line or send an e-mail: susanna@geog.ucsb.edu.

RESEARCH NEWS

Several of Geography’s affiliated research organizations are deep into ecological research. For instance, we know the concentration of atmospheric carbon dioxide has risen about 30% since the late 1800s, due to the burning of coal, oil, and natural gas and the destruction of forests. While the human impact on climate and land surface is clear, what to do about it is hotly debated. It is essential that the scientific community provide the data and scientific interpretation necessary to aid policy makers in addressing these crucial issues. The Institute for Computational Earth System Science (ICESS), which has been directed by a series of Geography professors (Ray Smith, Catherine Gautier, and now David Siegel), does long-term environmental research that provides observations and modeling that can assist policy makers with these issues.

The Ocean Physics Laboratory (OPL), directed by Geography professor Tommy Dickey, is leading efforts to develop new interdisciplinary oceanographic sampling systems that will be used for the Global Ocean Observing System. Testing of new instrumentation and scientific studies are funded for activities off Bermuda, Hawaii, Japan, and in the Gulf of California and the Santa Barbara Channel. Recent studies include coupling of ocean physics, bio-optics, and biogeochemistry and involve oceanic effects of hurricanes, monsoons, and internal solitary waves.

UCSB is the lead site of the National Center for Geographic Information and Analysis (NCGIA), a three-university consortium established in 1988 by the National Science Foundation to undertake research and education programs in geographic information systems (GIS). Mike Goodchild is the Chair of the Executive Committee, and Keith Clarke is the Director of Santa Barbara’s Center. NCGIA researchers work to apply satellite images and Global Positioning Systems to transportation planning and management, promote the use of GIS in the social sciences, and explore the use of cutting-edge wearable computer technology in field research and emergency management.

Besides working in conjunction with Geography-affiliated research organizations, individual faculty members and their graduate students continue to be active in research. For instance, Reginald Golledge continues to be instrumental in furthering the capabilities of those with disabilities to navigate. With other faculty, he has built computerized personal guidance systems. In conjunction with then-graduate student Jim Marston, he’s studied the effectiveness of talking signs.

Using space as a metaphor for information representation, professors Sara Fabrikant and Dan Montello are developing a product to allow government agencies to more efficiently exploit their geospatial data collections. Massive amounts of data and limited ability to make helpful use of that data has become a major challenge for today’s policy makers. Keith Clarke has developed computer models that project urban growth and land use changes into the future. City and regional planning agencies in the United States and Europe have been applying these models to scenarios that may occur in their particular area of oversight.

Communities in Southwestern United States are embroiled in water table overdraft problems and water rights competition. Hugo Loaiciga has developed a mathematical formula that determines how much water can be pumped from a well without depleting it. He also can determine what each user can safely use and the appropriate charges for each user.
YEAR 2002 HIGHLIGHTS

For more news items and for details of the following highlights, go to the news page of our website (www.geog.ucsb.edu/events/news_index.htm).

December 9, 2002 - New Employee Reception
Dean Moskovits hosted a reception for new faculty and staff, which included Chris Still (faculty), Bernadette Weinberg (personnel), and Amy Scoby (graduate student administrative advisor).

December 6, 2002 - Holiday Party
Keith and Margo Clarke again hosted the annual holiday party. Approximately 100 people attended.

November 29, 2002 - Department in News-Press
The Santa Barbara News-Press featured UCSB’s Geography Department on their front page.

November 2002 - Faculty Award
Ray Smith received the Nils Jerlov Award.

October 18, 2002 - Teresa’s Last Day
After working 25 years in the Department, Teresa Everett left for a job in College of Letters and Science.

October 2002 - Faculty Appointment
Tommy Dickey received affiliated appointment to Department of Mechanical and Environmental Engineering.

June 2002 - Faculty Awards
Mike Goodchild received 2002 UCGIS Educator of the Year Award; Reginald Golledge, the 2002 Research Award; Hugo Loaiciga, the 2002 Service to the Profession Award from American Society of Civil Engineers and Environmental and Water Resources Institute.

June 7, 2002 - Department Barbecue
The annual barbecue was held at Goleta Beach.

May 16, 2002 - Graduate Student Honored
Jeff Hemphill was chosen for a UCSB Academic Senate Outstanding Teaching Assistant Award.

May 2002 - Undergraduate Selected as Speaker
Geography undergraduate Bill Slack was selected as the speaker for the June 15 Commencement for Math and Sciences.

April 30, 2002 - Faculty Member Now NAS

Michael Goodchild was elected to the National Academy of Sciences.

March 21, 2002 - Students Win in Bowl
Graduate student Jeff Onsted placed 4th and undergraduate Steve Demers placed 6th in the AAG Geography Bowl, competing with 55 students from all over the country.

January 2002 - ESRI Remembers Estes
ESRI established a grant in memory of Jack Estes, who passed on March 9, 2001. (Jack was our world-renowned and much-esteemed remote sensing expert.)

January 2002 - Student Wins Prize
Graduate student Martin Herold won 3rd Prize in Student Paper Award at IRARSS 2001.

ALUMNI NEWS

If you are a UCSB Geography alumnus, we would like to hear from you. You are invited to share both personal and professional news – a marriage, birth, move, new job, further education, etc. Please, either fill out Page 4 of this newsletter and mail it to Newsletter Editor Geography Department University of California Santa Barbara, CA 93106 or fill out the form on-line: www.geog.ucsb.edu/people/alumnus_update_form.htm.

We plan to print alumni news in each newsletter. (See Page 5 for this edition’s alumni news.) And we promise we will not divulge your addresses or information to marketers.

T-SHIRT PHOTOS?

Do you have an old Geography Department T-shirt? Could you take a photo of it and send it to us? It might be fun to publish pictures of past T-shirts. If you know or can estimate the year the shirt was printed, please let us know. Photo prints can be mailed to the Geography Department, attention Newsletter Editor. Digital photos can be emailed to susanna@geog.ucsb.edu.
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 numbers? 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) ____________________________

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Phone number ________________________________

Email address ____________________________________________

MAIL OPTIONS: Please tell us your preferences:

☐ You may share my address information with UCSB’s Alumni Association and Foundation. (They do not sell/give addresses to anyone beyond the University of California.)

☐ My address information should remain strictly with the Geography Department.

NEWS: Please share brief news of a personal or professional nature – marriage, births, jobs, further education, career changes, publications, awards, etc.

Mail to:

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

Thank you very much!
Alumni: Where Are They Now?

Gary D. Suttle (BA 1967)
I retired in 1997 from a Special Education position in the San Diego Unified School District. My Geography degree slightly enhanced my vocation – as in map exercises and weather station activities for students – while it greatly enhanced my avocations – from writing projects such as California County Summits, A Guide to the Highest Point in Each of the 58 Counties, (Wilderness Press, 1994) to conservation activism, including my current project, as a California Native Plant Society volunteer, drafting a California Department of Fish & Game listing petition to request threatened status for a rare plant, \textit{Lotus nuttallianus}, Beach Lotus, found at scattered locations in San Diego County and Northern Baja, and nowhere else in the world.

Stephen C. Irwin (BA 1973)
I moved to Mammoth Lakes in 1975. In 1978 and 1979 I lived in Hawaii and attended the University of Hawaii in the Masters program in Geography. I returned to Mammoth Lakes in 1980 and have been here ever since. I began teaching in the local community college in 1993. I teach introductory level Geography courses in Mammoth and Bishop. I love it!!! I think there is no better place to teach Geography because there are so many examples of nearly all the things we talk about in class.

Lee Johnson (MA 1982)
Lee is working with NASA's remote sensing application program. He is involved with transfer of remote sensing and GIS technology to the California premium winegrowing industry. His team has just published an article in the journal, Computers & Electronics in Agriculture. A prior publication received an Honorable Mention Award from the American Society of Agricultural Engineers. Lee is jointly affiliated with NASA Ames Research Center and California State University, Monterey Bay.

Susan A. Tsutsumi (BA 1984)
I’m still working as a Cartographer with the Auto Club after 17 years! No GIS but we are at least using MAPublisher with Illustrator to recreate our old hand drawn maps into something digital. I’m married and live in Palos Verdes.

Howard Veregin (PhD 1991)
Currently I’m Director of the Map Data division at Rand McNally and Co. Prior to this I was Associate Professor of Geography at the University of Minnesota, Twin Cities. Sure is hard not to be “homesick” for Santa Barbara looking at all these beautiful photos on the web site!

Dean Fairbanks (BA 1991, MA 1993)
Since leaving UCSB at the end of 1993 I worked, studied and got married in South Africa. From 1994-1999 I was a research officer at the CSIR Division of Water, Environment and Forestry, Pretoria, South Africa. From 1997-January 2001 I completed my PhD in Sustainable Ecological Management at the Department of Zoology and Entomology, University of Pretoria, South Africa. During 2001-2002 I was a post-doctoral fellow at the Percy Fitzpatrick Institute, University of Cape Town, South Africa. I met my wife, who is originally from Santa Cruz!, in South Africa in mid-1999 and we were married in November 2002. She is completing her PhD in soil science at the University of Stellenbosch, South Africa. After eight years overseas I have come back to California as a tenure track assistant professor in the Department of Geography and Planning, California State University Chico. I am the departments biogeographer/landscape ecologist (walking in Frank Davis’s footsteps!!) as well as teaching advanced GIS and geographic statistics (thanks for the background Joel!).

Marco Painho (PhD 1992)
I have been in academia since graduation from UCSB in 1992. I’m currently a Full Professor and the Director of the Institute for Statistics and Information Management of the Universidade Nove de Lisboa in Lisbon Portugal.

Thomas P. Albright (MA 1997)
I’m working in the International Program for SAIC at the USGS/EROS Data Center in Sioux Falls, SD, where I conduct research and apply remote sensing and GIS to issues of natural resources management in Africa, Latin America, and the Caribbean. In April 2001 in Santa Barbara, I married Katrina Pravia, whom I met while I was still at UCSB at a grad student party!

Rosemary M. Sampson (BA 1997)
After graduation, I was promoted from Branch Manager to Complex Manager to Area Manager over fourteen manned offices and approximately 12 satellite offices (unmanned) for a major travel company contracted to the Navy. I started a post graduate School GIS program at USC but only attended one semester due to my heavy work load.

Scott Bell (PhD 2000)
I’m in Saskatoon, Saskatchewan. I’m an assistant professor in the geography department at the University of Saskatchewan. No outstanding professional accomplishments (I haven’t been run out of town yet, but they might be waiting for the river to thaw), but I am married to Molly Trecker, who earned a UCSB MA in Geology in 1999. We have a 7 month old son, McKinley York, to whom we are devoting most of our energies.

Nicole Alexander (PhD 2002)
I am currently working for Oracle Corporation as a member of the Oracle Spatial software development group.

John Cloud (PhD 2000) and Chris Funk (MA 1999), viewing 3-D image
Recent Donors

The following people and institutions donated funds to the Geography Department from January 2001 through November 2002. Thank you very much!

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Many people have enhanced the Geography Department and helped students by donating funds. We thank them heartily. Names of recent donors are listed on Page 6 on this newsletter.

We’d also like to extend the opportunity to others. One can give an unrestricted gift or direct how the money is used.

The following funds have been established to give awards to excellent students:

The Nicholas Bourdakis Memorial Fund –
undergraduate majors

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.

The Jack Estes Memorial Fund –
graduate students in remote sensing

Jack Estes was a Geography faculty member for over thirty years. He built a thriving remote sensing research unit and mentored many students. His passing in March 2001 was a profound loss to many in the Department and across the nation. The fund was established in recognition of his great contributions and to continue his field of research.

The Waldo Tobler Fund –
graduate students in cartography

Waldo Tobler has retired from teaching, but is still publishing and active in the Department. He is world-renowned in cartography and computational geography.

The Simonett Memorial Fund –
graduate students

David Simonett was the first Chair of the Geography Department. He came from Australia in 1975 and provided the vision and energy to build what has become one of the nation’s finest Geography Departments. He died in 1990.

Jack and Laura Dangermond Fund –
students in GIScience

Jack Dangermond is the founder of ESRI (1969), a GIS and mapping software company and considered one of the most influential people in GIS, worldwide.

If you’d like to help the Department or some of our students, please fill out the donation form and mail it with a check to the Department. Thank you!

GEOGRAPHY DEPARTMENT

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