With the onset of the 2003 military conflict in Iraq and knowledge regarding the late 20th Century ecological destruction of the marshlands at the confluence of the Tigris and Euphrates Rivers, Professor Leal Mertes, three undergraduate interns--Sarah Crowley, John Eisz, and Matt Shaffer--and two staff members--Alice Celay and Greg Edgar--responded to the onset of the 2003 military conflict in Iraq by embarking on an investigation into the history of the marshlands in southern Iran and Iraq. Quickly gathering knowledge regarding the late 20th Century ecological destruction of the marshlands, they focused on how to develop quantitative results on the areal cover of open water with remote sensing data that may aid in the restoration of these Mesopotamian Marshlands whose recorded history in Sumerian culture dates back to 5000 BC. Some believe them to be the site of the biblical Garden of Eden.

As reported by UNEP, more than 90% of the marshlands were destroyed in the last 20 years of the Twentieth Century.

Located just before the Tigris and Euphrates rivers drain into the Persian Gulf in southeastern Iraq and Iran (Figure 1), these marshlands, the largest in western

**Figure 1**
Another academic year has rolled around, with a new group of first year students and the usual increasingly young looking freshmen in our introductory classes (or maybe I’m just getting older). Fresh from our lavish and highly enjoyable celebration of the Department’s 30th anniversary, we are now planning to bury a Departmental time capsule, to be opened at the Department’s centennial in 2074. As chair, I can’t help pondering who will open the capsule, and wonder at the antiquity of the contents. Our discipline changes technically so quickly. I greatly hope that the human dimension of our convivial geography community is still part of the Department 70 years hence.

What is almost certain to be the case in 2074 is that Geography will no longer be located in Ellison Hall. With the start of the 2004 academic year came the first allocation of planning funds for the renovation of Phelps, Ellison and South Halls. Our own geography space committee spent much of their time over the last two years planning how geography would use and allocate the floor space we have been promised. We were somewhat surprised that our space principles, and not our plan, made it through the capital projects meetings. As a result, we stand now to receive a more-than-doubling of floor space, but in Phelps Hall and not Ellison. Our toe-hold in Phelps of the NCGIA is set to increase to the entire first floor of the north and east wings, plus the second floor of much of the building and a good chunk of the third floor. Included are new laboratories, a rooftop walkway with real potential for outdoor events, and larger offices. While we are only now at the start of the planning process (bids for an architect are now open), within the year we hope to be actively engaged in determining exactly what that new department will look like. Will it still be there in 2074? Who can tell.

A spin-off from our anniversary year has been the Thirty-for-Thirty fund. We have set out to raise enough money to fund an annual scholarship for a graduate student. It won’t pay their tuition and fees, but it sure will help. So far we have raised only 10% of what is necessary. Please remember us as the tax year comes to an end, and you have no idea what to do with all those Federal tax cuts you receive! Another spin-off has been Susanna Baumgart’s excellent web pages documenting the Department’s history. If you haven’t seen them yet, you are in for a treat.

Let me finish here by thanking our fabulous geography staff. This year has been trying for them, as we have changed to a new accounting system and reallocated work assignments to make our operations more efficient. On top of this, the “fab four” and others were the heart and soul of our anniversary celebrations. Where would we be without them, from Geography Research to Admin, to OPL, NCGIA, and our extraordinary technical support staff? It is they who keep the lights on, balance our budget, wash the walls, clean the classrooms, and deal with system crashes in the small hours on a Sunday morning. Do me a favor, and next time you see one of our staffers, just give them a hearty thank you.

Best,
Keith Clarke

Asia, once covered nearly 5 million acres and were the ancestral home to Iraq’s 400,000 Marsh Arabs and thousands of species of plants and animals. The devastation of the Mesopotamian Marshlands began with the development of dams and increased water demand in Turkey, Syria, and Iraq late in the 20th century. As reported by the United Nations Environmental Program (UNEP), impacts on the marshes came to a head when the Iraqi government drained about 90% of the area, beginning in 1991. Some believe these actions were in retaliation against Shiite Muslims who inhabited the area and who opposed the regime after the first Gulf War. The Marsh Arabs (Ma’dan) took part in the uprising against the government, and the marshlands may have offered a safe haven for the resistance. An extensive system of drainage and water diversion was engineered that resulted in widespread desiccation of the area, the extinction of many endemic plant and animal species, permanent disruption of the flight paths of many migratory birds, saltwater intrusion that adversely affected local fisheries and agriculture, and the displacement of more than 300,000 Marsh Arabs. As suggested by journalistic interviews reported in May 2003 by the Los Angeles Times, the Iraqi Water Ministry was responsible for returning water to areas of the marshlands that had been barren for a dozen years. In interviews, ministry officials commented that this “flooding” was designed as a military tactic to impede advances from the south.

Dr. Mertes, who specializes in fluvial geomorphology, remote sensing of wetlands, and evolution of large river systems, developed a system of mapping changes of the area’s...
open water (Figure 2) and submerged vegetation. Working with data collected by NASA imaging systems (MODIS) that report daily surface reflectance, Dr. Mertes used a statistical unmixing technique to decompose the image data into relevant landscape components. Comparing analyses of images from 1976 to mid-1977 (6 images) with those of 2002 to the present (59 images), Dr. Mertes notes that the 2002 data and 2003 data prior to the onset of the conflict (March 19, 2003) show nearly no water in the marshes (Figures 1 & 2). The steady increase in areal cover of open water during the two months of this initial conflict, that presumably ended around May 1, 2003, is notable. From that time until the end of 2004, there is irregularity in the open water area, in marked contrast to the 2002 data. Then, major releases of water appear to have occurred such that the areal cover in February of 2004 is nearly the same for the study area (~1500 square kilometers) as in February of 1977. However, the landscape pattern of open water is decidedly different between the 1970s and 2004 due to drainage engineering (Figure 1). The new quantitative information gleaned not only sheds light on the past distribution of water in the marshlands, but also is designed to support international recovery efforts that are ongoing.

Mertes discusses the techniques and observations in detail in “Synoptic Monitoring of Water’s Return to Mesopotamian Marshlands,” in *Eos* (volume 85, number 33, 17 August 2004), which is the newsletter of the American Geophysical Union. This team research on the subject is also featured on the Geography Department Web page at <http:www.geog.ucsb.edu/~erivers/as/mesomarsh-web>.

*Figure 2*: The remarkable transformation of the Mesopotamian landscape over the past three decades is shown here with images detailing the center of the marsh complex near the Iran-Iraq border. Each image is rendered in grayscale with white representing open water and shades of gray for different types of flooded vegetation based on a statistical image processing technique known as spectral unmixing. Landsat Multi-Spectral Scanner (Landsat MSS) data shown for 1977 and Moderate Resolution Imaging Spectrometer (MODIS) data were analyzed for 2002 and 2004. The MODIS image for February 20, 2004 shows the greatest extent of open water in this area of marshes since the 1970s. Although the measured amount of open water in square kilometers is similar for the 1977 and 2004 images, the landscape arrangement of the water is shifted dramatically due to drainage engineering.
On Friday May 28 and Saturday May 29, 2004, the Geography Department held its long-planned 30th Anniversary Celebration. Although UCSB has been offering a Bachelor's in Geography since 1966, Geography wasn't an autonomous department until 1974. Both Friday and Saturday, each, had approximately 200 participants.

From 1:00 to 4:00 pm on Friday, three graduate student docents offered tours, 12 graduate students demonstrated projects in the Descartes and Star labs, “Geographers on Film” (interviews with our very own professors Waldo Tobler, Jack Estes, Michael Goodchild, and Reginald Golledge) ran in a classroom, and 13 project posters were displayed (which involved the work of 35 people — faculty, grad students, and undergrads). Refreshments lined the hallway – Ellison, third floor, North – where most of the activity was centered. Guests milled and moved from place to place. Included were 22 visitors from the Faculty Women's Club of UCSB. The Women's Club only does one tour per year, and they chose our open house. We were honored!

From 4:00 to 5:00 pm, we heard a brief recounting of Department history from Chair Keith Clarke, were regaled by Chancellor Henry Yang’s glowing words about the Department, and watched demonstrations of two 3-dimensional software programs. One of the 3-D programs was presented by Mike Goodchild. Accompanied by music, the show zoomed from outer space into the very buildings on campus, then around the world to various chosen sites, from Yosemite to Baghdad. The other 3-D program was prepared by Prof. Sara Fabrikant, staff Chuck Anderson, and graduate student Jeff Hemphill, all three of whom poured a lot of time and effort into creating the demo. Fabrikant coordinated the whole thing. Chuck Ander-
there were at least 116 guests for the hour in the Buchanan lecture hall. After the talks and 3-D shows, we were treated to a catered reception in the Ellison Quad, where the designated spot for the time capsule burial was displayed.

Early Saturday morning, Mo Lovegreen, Connie Padilla, Nancy Ponce, Michelle Keuper, Yvette Decierdo, and several graduate student volunteers arrived at the Sedgwick Reserve to set up for the day’s Big Party. There was a registration/welcoming table, a wine tasting booth, snowcone machine, children’s activities area (chalk art, nature printing on t-shirts, and water play), food-serving tables, and, of course, the banquet tables — 26 six-footers, replete with tablecloths, salsa and chips, and flowers. Rick Skillin, the Reserve Steward, pounded in stakes and stapled on the signs Susanna Baumgart had prepared. Billy and Sue Ruiz of Cowboy Caterin’ arrived, with crew, and set up the barbecue trailer. The weather couldn’t have been nicer: blue skies, warm, breezy — not the wilting heat that just a few weeks ago edged toward triple digits. Volunteer Sedgwick Reserve docents and guests began arriving shortly before 11 am.

Because the number of guests at this time was still small enough, the first docent-led hike was able to use the two University vans to transport the group to the Blue Schist Trail. It begins a couple miles from the ranch compound. Along the Little Pine Fault, the trail has lovely trees and interesting rocks. Although scheduled for only an hour, the hike lasted for nearly two hours. The second docent-led hike, which embarked while the Blue Schist group was still out, was a lot shorter and gentler. Guests walked along dirt roadways, up a hill, and returned to the ranch compound, hearing from the docent about the area’s natural history.
As soon as the vehicles returned from the Blue Schist Trail, guests piled into the two vans for graduate student Ryan Perroy’s “Down and Dirty with Sedgwick Soils” tour. The caravan drove to a place on the southern part of the Reserve that was, apparently, the only “permanent” dwelling place of the Chumash on the ranch. Parking the vans, the group followed Perroy, on foot, to his soil study area. He pointed out the light and dark soil layers. Squeezing a few drops of hydrochloric acid from a bottle, Perroy showed, by the bubbling, that the soil contained calcium carbonate. The soil stratigraphy and composition seemed to indicate the area had earlier been a wetland.

Perroy’s rectangular, approximately 2-1/2-foot deep soil pit was just across a wash from where a UCSB Archaeology class was wrapping up field studies for the school year. Perroy walked the tour group to the archaeological dig. As prearranged, Michael Glassow, the archaeology Professor in charge of the dig, shared what he and his re-searchers had learned from this site. Michael passed around some artifacts they’d found, which included part of a grinding bowl, beads, and bone fragments.

While some partiers were out on field trips, others stayed...
at the ranch compound. Michael Williams, the Reserve Manager, led a tour of Duke Sedgwick’s main house. Children printed leaves with paint on t-shirts. Guests tasted wines donated/contributed by local wineries (Firestone, Buttonwood, and Zaca Mesa). Hosted by Robin Johnson, Dylan Prentiss, and Becky Powell, the wine tasting booth was a crowded and popular spot! Some just munched chips, chatted, and listened to music. A trio named Night Train sang and played a wide variety of tunes. Afternoon winds are common on the Sedgwick Ranch, and this day they gusted powerfully. The registration canopies blew over. One canopy was removed; the other was secured akimbo. The strong winds played with the barbecue, blasting smoke and shifting the heat, and the caterers were challenged to control the temperature that was cooking the hunks of top sirloin on the grill. The end result was delicious, however. When served, over 200 people lined up for the "gourmet grub."

Yes, there were 200 Geographers plus six docents, the Reserve Steward, and the Reserve Manager. Among the attendees, there were 37 children (12 years old and younger) and 155 adults, 27 of who were alumni. A special guest was included at the last minute: Kevin Simonett, the son of the founding Chair of the Department, David Simonett. Kevin Simonett had been surfing the Internet the week before the anniversary party and had discovered the Geography web pages that talked about his father. He just happened to phone the Department and, of course, we were delighted to invite him and have him actually come!

After dinner, graduate student Doug Fischer led a tour up Lisque Canyon to talk about the plant communities of the Sedgwick. Guests piled into the two vans, getting out three times for chats about the oak communities, lace lichens, native and introduced grasses, and the special plants on the Franciscan Formation up by the Little Pine Fault. Meanwhile, "back at the ranch," some played softball and others cleaned up and packed away supplies and furniture. When it came time to retrieve the signs, Susanna found most of them had disappeared: they probably were nabbed as souvenirs.
Many people commented on how wonderful the Sedgwick party was. Everything ran smoothly, everyone had a good time. Much of the credit for the success goes to the women that have been nicknamed "The Fab Four": Connie Padilla, Nancy Ponce, Michelle Keuper, and Yvette Decierdo. But as both a staff member and faculty member pointed out, others on staff deserve kudos for continuing to run the Department when the Entertainment Committee was pre-occupied with anniversary preparations. And the many unnamed volunteer helpers were essential to the success of this 2-day celebration, too. So sincere thanks to everyone for such a great time!
Squeaky Gate

Geography staff and graduate students made up for their lack of financial affluence by volunteering an inordinate amount of time to make the Department’s 30th Anniversary a resounding success. But the bottom line is that hard cash items such as the catering, the time capsule, and even the printing and mailing of this Newsletter depended on voluntary donations from our alumni and friends. While such generosity enables the Geography Department to showcase its accomplishments on special occasions, it can also help in many other ways.

Because the California budget crisis continues to compromise university funding and to increase graduate student tuition, a 30th Anniversary Scholarship Endowment was designed to build a fund from which interest only could be used to assist and to attract top-notch graduate students who have financial difficulties. Ideally, a gift of just $30 (“30 for 30”) from 667 alumni and friends would establish this permanent scholarship.

They say that the gate that squeaks the most gets the most oil, so it’s time to squeak! Sadly, the Endowment fund is far short of its goal. To be blunt, it currently stands at a mere $2,000. The UCSB Department of Geography may currently be ranked #4 in the nation by the National Research Council, but it can’t live on applause. We need your help!

SPECIAL THANKS TO:

Susanna Baumgart, Senior Artist and Web Master for the Geography Department, chronicled the 30th Anniversary.

Rick Skillin, Sedgwick Reserve Steward, provided invaluable assistance in preparing the venue for the event.

Panoramic view of the Sedgwick Reserve

Duke Sedgwick’s main house

Mariposa lily
Graduate student Robin Roff has been awarded a 4-year doctoral fellowship by the Social Sciences and Humanities Research Council of Canada. The award is similar to a NSF Graduate Fellowship in the United States. There were 388 applicants and 129 fellowships awarded. Although the fellowship is from Canada, Roff will study here at UCSB. Her research focuses on the impact of place-based identity on perceptions of modern modes of agriculture (i.e., biotechnology, organic, and conventional methods). She will be examining how acceptance and rejection of agricultural types vary across and within spatial scales. She is specifically interested in what aspects of identity account for the wide diversity of perceptions between locations. Local and regional analyses will concern the United States, however she will undertake a cross national comparison of the United Kingdom, Canada, and the US. Even though she won’t receive any money until September 2004, she had already begun work.

Graduating senior Nick Gazulis, majoring in Geography, was selected to receive this year’s "Vice Chancellor’s Awards for Scholarship, Leadership, and Citizenship." According to the UCSB website: "This award is presented annually to one or more graduating seniors and graduate students who embrace the principles of scholarship, leadership, and citizenship through activities that enhance UCSB’s academic environment, contributions to a consequential project, or extraordinary service to the campus community." On June 11, Gazulis will attend a ceremony and reception for recipients of eight campus awards. Nick is now a graduate student in the department. Congratulations!

This Spring, graduate student Sarah Battersby was elected as the new Student Director of the AAG Cartography Specialty Group.

Saturday, June 12, 2004, the UCSB Geography Department celebrated graduating 102 students earning Bachelor’s degrees, 10 Masters, and six PhDs in the previous academic year (Fall 2003-Spring 2004).

In Spring 2003, Dan Sui, Professor of Geography at Texas A&M, held a forum on Waldo Tobler’s "First Law of Geography." The law states "Everything is related to everything else, but near things are more related than distant things." At the forum, five professors presented papers on the topic. One of those participants was our own Mike Goodchild. Tobler replied, in writing, to the five papers. The AAG journal Annals of the Association of American Geographers has published the papers and Tobler’s replies in the June 2004 issue.

Professor Dar Roberts was interviewed on KEYT Channel 3’s 5:30 news program, July 23, 2004, speaking about the forecasting services his Southern California Wildfire Hazards Center (SCWHC) offers to firefighting agencies. Firefighting managers can log onto the SCWHC website and download 60-hour advance forecasts for mapped and animated weather parameters — wind directions and speeds, temperatures, air pressure, humidity, etc. The Wildfire Hazards Center computers have been programmed to automatically upload raw data from national sources, then generate finer resolution models in a format especially useful to those fighting fires in the urban-wildland interface.

Originally, NASA funded the project, and the Wildfire Hazards team purchased a "supercomputer," implemented wind models, and developed remotely sensed measures of fuels. Then the Forest Service took over funding. With their financial support, the weather forecast modeling is now performed on a "Beowulf" cluster of personal computers, which are located at UCSB. The project is currently moving toward supplying fuel moisture data, too. The Hazards Center will obtain remote sensing data from NASA (MODIS) satellites and provide fuel moisture maps for the entire Western United States (the moisture content in burnable materials is a critical factor in how easily it burns). Collaborators at UCSB include professors Catherine Gautier, Rick Church, and Joel Michaelsen; researchers Dr. Charles Jones, Meg Gardner, and Dylan Prentiss; and graduate students Marco Morais, Philip Dennison, and Theresa Smith.

Christopher Still, Asst. Professor of Geography, has been honored with a NASA New Investigator Program (NIP) in Earth Sciences award for his proposal entitled "C4 Photosynthesis and the Carbon Cycle: An Integrated Plan of Research and Education." The Earth Science Enterprise places particular emphasis on the investigators’ ability to promote and increase the use of Earth remote sensing through the proposed research and education projects. Inquires in the program are available at: http://research.hq.nasa.gov/code_y/nra/current/NRA-03-OES-04/index.html.
The California Condors, the spectacular Ultimate frisbee team based in Santa Barbara, played in the World Championship games in Finland, representing the whole United States. Greg Husak, a doctoral candidate in Geography, is a Condor and is making a lot of points toward the team’s current winnings. In the first round of this year’s World Championship games, for instance, Husak ranked sixth of all the players around the world in the number of points he contributed to the games.

In Round 1, the Condors won all five games they played. In Round 2, the Condors won four out of five games, losing only to Canada. Canada won all in one round and won all but one in the other round. The United States and Canada, the top two contenders, played the final game Saturday. Although the Condors were ahead early in the game, the Canadians won 14-12. Second in the world isn’t bad for a sports team. They certainly are winners to many in the Geography Department.

Graduate student Karen Kline received one of approximately 60 fellowships awarded by the Japan Society for the Promotion of Science for 2004-2005. This program was established to foster scientific relationships between Japanese research institutes and researchers in North America and Western Europe. Applicants to the program must be nominated by the host Japanese agency. She will begin a 6 month residency at the Geographical Survey Institute of Japan in January 2005.

Professor Golledge selected to the Decade of Behavior’s National Advisory Committee. Before the end of the twentieth century, the American Psychological Association (APA) created a group that would, for the first decade of the twenty-first century, work to ensure that government officials were made aware of behavioral issues, behavioral research was funded, and students were encouraged to enter behavioral fields. The advocacy group and the time frame for this activity were named the "Decade of Behavior." As the APA wrote in 1998:

"Why launch a Decade of Behavior? Hard choices are being made in these days of fiscal constraint. Federal agencies need to be informed about the critical value of behavioral science research in addressing national problems. Even in agencies where funds appear to be flush, allocation to the behavioral and social sciences is an uncertainty.

The Association of American Geographers (AAG) submitted a nomination for Reginald Golledge to be on the Decade of Behavior’s National Advisory Committee. Golledge was selected. Fifty-five national organizations are endorsers of the Decade of Behavior and twenty international organizations are affiliates. Twenty-three people are members of the National Advisory Committee, most of them being professors. Golledge has joined Committee for the 2004-2006 term.

Professor Keith Clarke has been appointed to the prestigious National Academy of Science’s Mapping Science Committee. The committee comprises scientists in academia and industry who advise federal agencies on scientific and technical matters related to spatial data handling and analysis or computer-produced maps. Mike Goodchild has also served on the committee, and is the past committee chair.

According to the North American Regional Science Council, "Nicholas Nagle, doctoral student in the graduate degree programs in Geography and Economics at University of California at Santa Barbara, has been selected the winner of the competition for the fifth annual Benjamin H. Stevens Graduate Fellowship in Regional Science. The Fellowship will provide a $22,500, one-year stipend to support Nagle in his research on geostatistical approaches to spatial econometrics. His thesis focuses on developing methods that relax commonly utilized assumptions in spatial econometric analysis of areal data, and is supervised by Assistant Professor Stuart H. Sweeney of the Department of Geography of the University.

Concerning his student, Sweeney wrote, ‘Nagle’s research offers a careful balance between the economic theory and statistical theory that undergirds the analytical paradigms in regional science. The work offers a fundamental step forward allowing for a closer relationship, and embeddedness, between theory and empirical analysis of spatially referenced socio-economic data.'"

"The Fellowship is awarded in memory of Dr. Benjamin H. Stevens, an intellectual leader whose selfless devotion to graduate students as teacher, advisor, mentor, and friend continues to have a profound impact on the field of regional science…. The 2004-2005 Stevens Fellowship competition was judged on behalf of the North American Regional Science Council by a committee consisting of: Marcus Berliant, Economics, Washington University in St. Louis; David Boyce, Civil and Environmental Engineering, Northwestern University; Maureen Kilkenny, Economics, Iowa State University; Michael Lahr, Center for Urban Policy Research, Rutgers University; Ronald Miller, Regional Science Program, University of Pennsylvania; and David Plane, Geography and Regional Development, University of Arizona."
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 _______

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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 93106-4060

Thank you very much!
Alumni: WHERE ARE THEY NOW?

**John Adler (BA 1987)**
I’m currently a navigator with the National Oceanic and Atmospheric Administration (NOAA), flying on the P-3 Hurricane Hunter aircraft in Tampa, Florida, doing operational (Real Time Data) and research flights. My next assignment will be in Washington, DC with the next generation of Polar orbiting weather satellites.

**Garrett L. Altmann (BA 2004)**
I’m currently pursuing and continuing an internship at Los Alamos National Laboratory. As a Geography major, I’m responsible for acquiring IR aerial imagery, classifying vegetation and fuel types within the image, overlaying it onto a DEM, and integrating it with the FIRETEC coupled atmospheric model that has been developed here at LANL. We run wildfire simulations on the model and compare results to AVIRIS sensor time series imagery for validation and accuracy assessment.

**Jarad D. Beckman (BA 2004)**
I earned a Dean’s Merit Scholarship and acceptance into USC’s MPP program. Presently, I have a job as a TA in Environmental Studies in the Geography Department (Jim Proctor’s class DID come in handy, after all).

**Sebastian J. Bull (BA 1994)**
I settled in the Bay Area and got married in 1994 and went back to school in 1998 at Mills College in Oakland to obtain my teaching credential and Masters in Education. My wife and I currently live in Dublin, and I teach high school social studies at Amador Valley High School in Pleasanton. I’ve finally been able to directly utilize my education in Geography by teaching my favorite course, Advanced Placement Human Geography. My students appreciate the importance of Geography, not only in the class, but also beyond—former students always contact me with stories of how their knowledge of geography has helped them succeed in other classes and fields. Teaching is an awesome profession!

**Kimberly M. Cover (BA 2002)**
I’m currently working on my MS in Environmental Studies at Cal State Fullerton.

**Gerry O. Geare (BA 1996)**
I graduated in 1996 from the Geography and ES depts. and started my own mapping business, Safety Map, in 1998. Safety Map LLC makes emergency evacuation maps for schools (many of UCSB’s new dorms), manufacturing, and all other types of businesses that are concerned about the safety of their tenants. We are a small growing business filling a niche market within the safety industry. Details at www.safetymap.com

**Everett R. Hauser (BA 2004)**
I’m attending San Diego State University in their Master of City Planning Program. My goal is to become a bicycle planner. I’m remaining car-free and riding my bike everywhere.

**Timothy L. O’Connell (BA 1972)**
My Geography degree was invaluable in getting my first job (Environmental Analyst in San Diego) and with later promotions through the Planning Department. My degree was key to being appointed the City of San Diego’s Coordinator on joint City-County GIS during design phases. A later law degree from USD complemented my Geography degree in working with complex issues of growth management and land use regulation. I now represent a nonprofit housing and community development entity in the LA area.

**Jonathan L. Reber (BS 2004)**
I’m working for PW Environmental in Santa Paula, doing groundwater remediation for fuel stations throughout CA via the UCTSF superfund. I’m getting married next September 2005. Thanks for everything!

**David J. Sullivan (BA 2004)**
After graduating, I was hired by Santa Barbara’s Planning Division, Design Review, and joined one of Southern California’s top Planning Teams.

**Jayme L. Timberlake (BA 2001)**
After traveling for several months on my own in Central America, I settled into a teaching job at the Ocean Institute in Dana Point. I was recently promoted to an aquarist position there, so, yeah, I basically get paid to feed fishes and dive to collect animals a couple times a month. I’m applying to the Bren School and hope to go on to a Master’s program in Marine Resource Management in 2005.

**Shaun C. Walbridge (BS 2004)**
I’ve started a web-development and GIS internship at the National Center for Ecological Analysis and Synthesis (NCEAS).

**Josh D. Wayt (BA 2004)**
Well, I finally graduated, and I’m putting the job hunt on hold for a while and am leaving for Australia, New Zealand, and Indonesia in January for about a year’s worth of travel for some adventure and surfing!

**Gerhard T. Wolff (BA 2002)**
I’m currently working with the San Joaquin Valley Air Pollution Control District. I was recently accepted at Loma Linda University and plan to attend the Winter 2005 Master’s International Program.

**Sam C. Ying (BS 2004)**
I’m starting at Stanford’s Geological and Environmental Sciences PhD program in Fall 2004 to study “geomicrobiology.”
WOULD YOU LIKE TO DONATE?

Would you like to help the Department provide top-notch educational experiences and conduct state-of-the-art research that makes a difference in the world? You can give an unrestricted gift or direct how the money is used. If you’d like to help, please fill out the donation form and mail it with a check. Thank you very much!

The following funds have been established:

**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. The fund was established to support students who are continuing his field of research.

**The Reginald G. and Allison L. Golledge Distinguished Lecture Fund** – travel expenses and honoraria for annual speaker
Twenty years ago, the Golledge Distinguished Lecture was instituted to bring highly respected speakers to campus to share their research.

**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.

**Jack and Laura Dangermond Fund** – graduate and undergraduate students in GIScience
Jack Dangermond is the founder of ESRI (1969), a GIS and mapping software company, and is considered one of the most influential people in GIS worldwide.

**30th Anniversary Scholarship** – graduate students
A 30th Anniversary Scholarship Endowment designed to build a fund from which interest only can be used to fund an annual scholarship for a graduate student. Ideally, a gift of just $30 from 667 alumni and friends would establish this permanent scholarship.

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Contributors to the 30th Anniversary Scholarship

Emily Buskirk & Dale Hanson
Rowena Carlson
Oliver Chadwick
Keith & Margo Clarke
John & Tere Dimperio
Claire Estes
Teresa Everett
Ross Gerrard
Arthur & Judith Getis
Reginald Golledge
William & Stacy Halperin
Linda Hill
Andrew Horton

Paul & Sheri Hudak
Gregory Killam
Joan Kurjian
P.A. Larango
Mary Larsgaard
Jeff & Mo Lovegreen
Joel Michaelson
Alan & Patricia Murray
Val & Patricia Noronha
Peggy O’Neill
Robert Ortlieb
Rudy & Connie Padilla
Lynne Pritchard

Dar Roberts & Marianne Wampler
Timothy Robinson
Landon Romano
William & Marta Self
David & Julie Siegel
David Stoms & Enid Pritikin
Matthew & Beth Anne Thomas
Tara Lee Torburn
Libe Washburn
Richard & Bernadette Weinberg
Michael Williams
Dawn Wright
Michael Wright

The Geography Department Time Capsule

The Geography Department Time Capsule, marking the 30th Anniversary, will be opened on the Department’s Centennial in 2074. The anodized aluminum cylinder is 12 inches in diameter and 24 inches long and contains historic and contemporary memorabilia commemorating Geography in general and the UCSB Department of Geography in particular.

Time Capsule Contents

1980s era landsat imagery.
1992 vintage first generation Magellan GPS.
Chinese-made marine sextant, used by Ray Smith in teaching navigation.
List of Golledge Lectures.
Assorted photographs and papers documenting Reg Golledge’s Personal Navigation and Haptic Soundscapes projects.
First generation palmtop computer.
Early distance measuring and dictation devices.
Package of memorabilia surrounding the 30th Anniversary events.
Programs and name tags from the 100th Anniversary AAG meeting, including a program for the Banquet signed by all UCSB alums present.
A 1946 La Cumbre UCSB Yearbook.
Copy of the History of the Department article from the APCG Yearbook.
Copy of the UCSB Geography History poster.
Current Student Guide.
Current General Catalog.
All current students registration material.
Historical posters advertising Geography classes.
Faculty papers and textbooks.
Inside:

- ANNIVERSARY PICTURES
- THE GARDEN OF EDEN
And more!