



Pacifica

ASSOCIATION OF PACIFIC COAST GEOGRAPHERS

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About APCG

Founded in 1935 by a gathering of geographers including graduate students and faculty from universities, normal schools and junior colleges, and a few from government and industry, the Association of Pacific Coast Geographers has a long and rich history promoting geographical education, research, and knowledge. Members gather at the annual meetings for social and intellectual interaction. They receive the annual *Yearbook*, first published in 1935, that includes abstracts of papers from the meetings and a number of full length peer-reviewed articles. Members also receive the biannual newsletter *Pacifica*, first published in Fall 1994. Since 1952 the APCG has also been the Pacific Coast Regional Division of the Association of American Geographers, serving AK, AZ, CA, HI, ID, NV, OR, WA, BC, and YT.

Photo (Banner): Debra Sharkey & Michael Schmandt (San Juan Islands, 2005)

Highway 395 Road Trip: Los Angeles to Lee Vining (Tioga Pass, SR 120W)

Tina White
California State University, Northridge

I-5 at Roxford St: *Van Norman Dam*

On February 9th, 1971 the San Fernando Earthquake (6.7M_w) caused 1800 feet of the lower dam's upper embankment and the dam crest to collapse into the reservoir due to liquefaction of fill on the upstream face. A total of 800,000 yds³ of material fell in, and dam height was reduced by 30 feet. Fortunately, the reservoir wasn't full, and the 35 feet of freeboard prevented catastrophe. In the San Fernando Valley below the dam, 80,000 residents were evacuated. The Los Angeles Department of Water & Power (LADWP) further lowered the water level as soon as it could, and there was no further damage.

On January 17th, 1994 the Northridge Earthquake (6.7M_w) caused minor ground cracking around the reservoir; the ground subsided 2 inches to the north and 8 inches to the southwest.



ngcd.noaa.gov

I-5 just before SR 14: *LADWP Cascades*

This unique cascade - beautifully illuminated at night - is part of the L.A. Aqueduct. Water flows here only when the higher pumping plant is off-line. It was here that William Mulholland declared "There it is. Take it." at the 1913 opening of the aqueduct.



thereitistakeit.org

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President's Message

Michael Schmandt
Sacramento State Univ.

Well, I've been busy organizing a conference, and I don't have a traditional column for this issue. What I want to pass along to our friends and colleagues is this rather simple message—join us for our Annual Meeting this September 25-28, 2013 in Olympic Valley at Lake Tahoe. Please see pages 15 – 22 of this issue for details regarding our Annual Meeting. Additional information can be found at the APCG website (apcgweb.org). Early registration begins May 15. I hope to see you there.

2013 Election

Members whose dues are paid receive their ballots in the mail, due back in mid June. Contact Bob Richardson, Treasurer, if you have any questions.

For President: Sriram Khé (unopposed)

For Vice President: Christopher Lukinbeal and Ray Sumner

For Secretary: Vicki Drake and Elena Givental

For AAG Councillor: Scott Mensing and David Plane
(biographies below)

Christopher Lukinbeal, Candidate for Vice President

Assistant Professor, School of Geography and Development, the University of Arizona

I joined the Association of Pacific Coast Geographers in 1993 while an undergraduate student at California State University of Hayward. At the APCG conference in Bellingham, WA (1993) I presented, "Dick Tracy's Cityscape" which was later published in the *Yearbook*. This was only my third professional presentation. I was nervous and excited but the most lasting memories from the event were the kindness and encouragement I received from APCG stalwarts Richard Ellefsen and Larry Ford. They encouraged me to continue pursuing my interests in cinematic geography and more importantly, to come back to the APCG and share my ideas. Twenty years have passed and I continue to expound the same philosophy that the APCG is the place to develop and refine one's professional geography skills, to network and grow, to meet cool people and discover ideas, to find encouragement and to feel at home. A sign at the 5¢ Diner in downtown LA sums up my feelings thusly about the APCG: "this is place there is no other place like this place anywhere near this place so this must be the place."

APCG is a dynamic place, a throwntogetherness of performances, felt values and becomings to which I have been an active participant. I've been a member for nearly 20 year (minus a few years with NESTVAL), published three papers and one report in the APCG *Yearbook* and presented 15 papers at annual APCG conferences. In 1995 I was the winner of the APCG President's Award for best graduate student paper. In 1999-2000 I was a student on the APCG World Geography Bowl team and later served as the coach of that team (2004-2008). From 2004-2008 I served as the APCG webmaster. In 2005 I served as the APCG conference co-coordinator in Phoenix, Arizona with Daniel Arreola. In 2014, I will once again serve as the conference coordinator as I welcome you and the APCG to Tucson, Arizona.

I am a Pacific Coast geographer with a B.S. and M.A. in Geography from California State University of Hayward and a PhD from San Diego State University / University of California, Santa Barbara. I've been fortunate to be an Assistant Professor

at two PAC12 universities (ASU and now UA) as well as a three year stint as a professor at Southern Connecticut State University. I've published two books and about forty papers, much of which focuses on developing the subfield of media geography. Along these lines, I am one of three founding editors of the journal *Aether: The Journal of Media Geography*.

I am interested in becoming the Vice President to further give back what I have received over my career from the APCG: kindness, encouragement, support, and continued professional development. We need to sustain a strong regional association that makes a difference in individual's lives. The APCG provides a nurturing place to continually become a professional geographer, however, it must be cherished, fostered, and preserved. We must continue to encourage students to join our fold, but I would argue that we must equally target junior faculty and encourage them to become active members. This includes developing new ways to support junior faculty (travel grants, awards) as well new ways to help promote their career (publications, service recognition, networks). Once a junior faculty comes and experiences what the APCG has worked so hard to become, I believe they will come back and bring their students. Through junior faculty we embrace and develop new leadership within the APCG. This is not to say we ignore student recruitment. I came to my first APCG conference without faculty supervision and understand the need to foster student APCG networks. I believe this is done best through the student-host-student networks at the annual conference which conference organizers need to actively pursue.

I appreciate the opportunity to run for Vice President of the Association of Pacific Coast Geographers. Regardless of the outcome, I will continue to serve the APCG, to promote its virtues and encourage participation in our Association. But if elected my experience and ideas will promote and foster continued success with the most important regional geographic association in the United States.

Ray Sumner, Candidate for Vice President

Geography Professor, Long Beach City College

My finest memories of geographical encounters in the USA are associated with this organization – new friends, wonderful places and unforgettable experiences. It would take too long to recount them all, so here is just one: that balmy evening dining on the lawn at Santa Barbara Zoo (see *Pacifica* Spring 2012), and the pleasure of spending time there getting to know Reg College.

My training as a geographer began in the Deep North of Australia with "Slim" Bauer and then British geographer John

2013 Election

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Oliver. Later I worked for the National Parks Service and was involved with the National Trust and various heritage organizations, both governmental and private. After moving to Queensland, I completed my doctorate and taught at the Queensland University of Technology (QUT). Fate determined another move, to California in 1991. The following year it was my great and good fortune that Bill Bowen, in an act of desperation, hired me part-time at Northridge and welcomed me warmly into the world of American geography. Jim Allen was also a marvelous advisor and friend. The year 1994 brought two memorable local events – my first APCG meeting and my first earthquake. This was also the time when I got to know those two cherished Australophilic geographers Joan Clemens and Tom McKnight, friends and mentors over the next many years.

In 1996 I took a faculty position at Long Beach City College, and have striven to be actively involved in the practice and promotion of geography. Since one of my life-mottos is “Act locally, think globally”, Steve Slakey easily persuaded me to become Editor of *The California Geographer*, which I undertook for five years. Aware of the tremendous benefits of introducing students to the excitement of geography, I drove a college van with my first group to a delightful CGS conference at Delta College, Stockton, and determined there never to miss a meeting. I organized the 2005 meeting at LBCC. I have also enjoyed being a conference judge for student papers and posters for several years. At the national level, I was asked to serve on the AAG Diversity Task Force, and have also been active in their Community College Affinity Group and the Geography Education Specialty Group. For the Society of Woman Geographers, I served as chair of the Southern California group for several years.

Since Spokane (1997) the APCG conference has been like a big family gathering, and the highlight of my geographical year. I most value APCG as a special opportunity to interact with and learn from colleagues, friends, and students, to keep abreast of current issues and research, and even to present some of my own thoughts. I envision us reaching out even more widely, particularly to undergraduates at colleges as well as universities, and seeking ways to raise awareness of the importance and the seductiveness of geography along the whole pipeline, from elementary school through to graduate school, as well as to those employed in the “geographical” professions. In this brief account of my passionate life in geography I cannot begin to thank all the people who have guided and accompanied me on my long journey. Ours is a strong and vibrant organization and I am honored to be considered for the position of Vice President of APCG; I would be grateful for the opportunity to promote our continued growth and strength.

Vicki Drake, Candidate for Secretary

MA, Geography, CSU Northridge (1996)
BA, Geography, CSU Northridge, (1994)
Professor of Geography, and Department Chair of the Earth Science Department, Santa Monica College, Santa Monica, California.

Since 2000, I have been a faculty member in the Earth Science Department at Santa Monica College. I became chair of the department in 2004 and was re-elected as chair in 2008 and again in 2012. Although community college Geography instructors are expected to teach all types of Geography classes, I have managed to keep my focus on Physical Geography, Field classes, and GIS.

My Master's Thesis (*Hydrophobic Soil Genesis, Santa Monica Mountains, southern California*) was a continuation of my Senior Thesis. I am still researching this topic, only now I've extended it to using Remote Sensing. While participating in an NSF grant, I examined Landsat 5 and Landsat 7 imagery to determine vegetation loss and burn severity due to wildfires, using pre-fire and post-fire datasets. Using this information, I can produce burn severity maps, which outline potential mass wasting sites.

A faculty fellowship with JPL, summer 2012, opened up new avenues of research using GPS, InSAR and in situ data to analyze ground subsidence around three GPS sites in southern California. Using GIS and other spatial analysis techniques, preliminary findings indicate that a rapid withdrawal of groundwater in the Santa Ana Aquifer (lying beneath Los Angeles and Orange Counties in southern California) due to drought and water shortages may have been the cause of the subsidence. I am presenting these preliminary findings at the AAG, Los Angeles, spring, 2013.

My involvement with APCG dates back to my undergraduate senior year. I presented my Senior Thesis (*Post-fire Development of Hydrophobic Soils in Big Sycamore Canyon, Santa Monica Mountains, southern California*) at the APCG conference held at CSU, Northridge in the early 1990s for which I won an award. Several years ago I took over the Women's Network Coordinator position and found it to be a wonderful experience. During my tenure as WN Coordinator, I set up a fund-raising program for the Women's Network that has brought in monies to aid in keeping the Travel Grant program funded.

Since my election to APCG Secretary in 2009, my one big goal was to help define the Secretary's role, since this was traditionally a combined position (Secretary-Treasurer).

2013 Election

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With the assistance of Bob Richardson, current APCG Treasurer, I believe this goal has been achieved. I have enjoyed participating in APCG and am grateful for the opportunity to be of service to the organization.

I am also interested in increasing membership in the APCG, and especially, in encouraging the upcoming female geography students, to participate as committee members on the Executive Council.

Elena Givental, Candidate for Secretary

Lecturer, Department of Geography, CSU East Bay, and Berkeley City College
Ph.D., Geography, 2009, University of California, Davis
MBA, 2003, St. Mary's College of California
BS, Geography, 1980, Moscow Pedagogical University

I was born and raised in Moscow, Russia where I studied Earth Sciences and worked as a research geologist at Moscow State University conducting field work in the Ural Mountains, Siberia, and Central Asia. In the United States, I continued my education, receiving an MBA from St. Mary's College of California, and, more recently, earning a Ph.D. in Geography from the University of California at Davis.

After having explored a career as a business manager with one of the Bay Area's independent schools, I finally made a full circle and returned to Geography. I am currently teaching physical, economic, and regional Geography classes at CSU East Bay and at Berkeley City College. My research interests are quite diverse geographically and lie within the realms of economic and environmental processes in Eastern Europe, Southeast Asia, and Africa with the current field research focus on urban development in Ho Chi Minh City (Vietnam) and Addis Ababa (Ethiopia). I have published in APCG Yearbook, Focus on Geography, and SAGE Open.

My participation in the APCG activities started when I was still a graduate student. I have been enjoying the warm, intimate, and nurturing atmosphere of the APCG annual meetings ever since. More recently, I have become a member of the Student Awards Committee. Student paper competition is an integral part of the APCG annual meetings and plays an instrumental role in attracting new students to the field of Geography. If elected, I look forward to expanding my involvement with the APCG to a new level with the idea of promoting geographic knowledge through this dynamic venue.

Scott Mensing, Candidate for AAG Councillor

Professor, Geography
University of Nevada, Reno

PHD, Geography, 1993 and MA (1988) University of California, Berkeley
AB, Landscape Architecture, 1977, University of California, Berkeley

I have been a faculty member at UNR since 1993. I received tenure in 2000 and served as chair of the department from 2002 - 2008. During that time our department developed a PhD program which is now in its sixth year and has eighteen PhD students in residence. I served as Assistant Dean in the College of Science in 2009. My first experience at an APCG meeting was as a graduate student in 1990 at the Chico meeting where I won one of the graduate student paper awards. I have been a regular attendee at APCG meetings since that time. My service to the APCG has included helping organize the 1999 APCG meeting held in Reno, helping organize and lead a field trip for that meeting, and serving as a paper judge at a number of meetings. I was co-chair of the local planning committee for the AAG annual meeting in 2007 in San Francisco, and then chaired the local arrangements committee for the 2009 meeting in Las Vegas. I have organized and chaired numerous sessions at the AAG and regularly serve as a judge for student paper competitions. Early on at UNR I was also involved in organizing our state Nevada GIS conferences.

My research is in the field of paleoecology and has been published in *Nature*, *Quaternary Science Reviews*, *The Holocene*, *Quaternary Research*, *Quaternary International*, *Journal of Biogeography*, *Radiocarbon*, *Western North American Naturalist*, *Madroño*, *Fremontia*, and *The California Geographer*. My research has focused on Western North America, and during the past six years, Italy and the Mediterranean. I have taught a broad suite of classes in physical geography, methods and regional geography. As a teacher, I have been awarded the UNR Distinguished Teaching Award, the Nevada Regents Teaching Award, and the CASE Nevada Professor of the Year - Carnegie Foundation Teaching Award. I have had the opportunity to teach abroad twice in Italy.

In my capacity as department chair and through service at our university I have had the opportunity to attend a number of workshops on building healthy departments and responding to the demands of program reviews. I am dedicated to helping maintain strong geography departments across the west and would look forward to the opportunity to serve the APCG in furthering this goal.

2013 Election

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David Plane, Candidate for AAG Councillor

Professor, School of Geography and Development

University of Arizona

Ph.D. (1981) and M.A. (1977) University of Pennsylvania

B.A. (1976) Dartmouth College

I believe I would bring to the role of APCG's AAG Regional Councilor a wealth of professional service experience in managing professional organizations, organizing conferences, editing journals, and promoting geography both at my own university and at the regional and national scales. I'm very proud over the past three decades to have been able to play a substantial role in the development of our University of Arizona's School of Geography and Development into one of our discipline's leading U.S. departments. I have promoted American geography in a plethora of ways, ranging from having enthusiastically taught thousands of freshmen in my general education course—"Human Geography & Global Systems"—to advising almost a thousand B.S. undergrad majors, to mentoring a cadre of doctoral students who now rank among the leading scholars and practitioners in my subfield of population geography, to being an advocate for geographers and better migration and spatial data at the U.S. Census. I believe I know how to build strong teaching and research programs and how to promote—both within academia and the public realm—the interdisciplinarity and breadth that constitute geography's strength. I've published my research on migration, spatial interaction and methods of population analysis in top-ranked journals in geography, regional science, statistics, demography and planning. Throughout the now 32 years I've lived in Baja Arizona I've always looked forward to the annual meetings of the APCG as a way not only to keep in touch with my inner cultural geographer soul, but also with many great friends—both old and new.

APCG Service:

President (2003–2004)

Vice President (2002–2003)

Executive Committee (2004–2005)

Organizer, Annual Meeting, Tucson (1991)

Finance Committee (2000, 2005–2007, 2009)

Chair, Resolutions Committee (2003)

AAG Service:

President, Population Specialty Group (1989–90)

Vice President, PSG (1988–89)

Director, PSG (1985–88)

U.S. Bureau of the Census Advisory Committee (1986–95)

Committee on the Future Supply of and Demand for Geographers (1992–1995)

Program Committee, Phoenix Annual Meetings (1988)

Selected Other Professional Service:

President, North American Regional Science Council (2010)

President, Pacific Regional Science Conference Organization (2002–2003)

Councilor, Regional Science Association International (1984–1992)

Councilor, North American Regional Science Council (1989–2011)

Councilor, Pacific Regional Science Conference Organization (1998–2012)

Executive Secretary, Western Regional Science Association (1991–2011)

Organizer and Program Chair, WRSA Annual Meetings, (1991–2011)

Co-Organizer, North American Meetings of the RSAI, Houston (1993)

Organizer and Arrangements Chair, North American Meetings of the RSAI, Santa Fe (1998)

Organizer and Program Chair, Pacific Conference of the RSAI, Portland (2001)

Organizer and Arrangements Chair, North American Meetings of the RSAI, San Francisco (2009)

National Science Foundation, Geography & Regional Science Program Panel, (1992–94); Dissertation Awards Panel (1989–90); Program Review Panel (1988)

National Science Foundation, Methodology, Measurement and Statistics Panels, (2010, 2011–13)

Census Advisory Committee of Professional Associations (2008–2009)

Science Advisory Committee, U.S. Census Bureau, (2009–2011)

National Academies Panel on Improving the Utility of the American Community Survey (2012–14)

Editorial Service

Editor-in-Chief, *Papers in Regional Science* (1990–92)

Co-Editor (North America) *Papers of the Regional Science Association* (1984–89)

Co-Editor, *Journal of Regional Science* (1994–2002)

Current service on 10 journal editorial boards

Selected University of Arizona Service

Head, Department of Geography and Regional Development (1990–97)

Supervisor of Graduate Studies and Geography Graduate Student Advisor (1985–87)

Undergraduate Advisor (1982–85; 1997–2009)

College of Humanities Promotion and Tenure Committee (1997–99)

College of Social and Behavioral Sciences Promotion and Tenure Committee (2004–2007)

University Advisory Committee on Promotion and Tenure (2010–13)

SBS College Representative, Undergraduate Council (1999–2001)

Selected Honors and Awards

Fellow, Regional Science Association International (Elected 2010)

Fellow, Western Regional Science Association (Elected 2011)

International Prize of Environmental Creation (2002)

North American Regional Science Council, David E. Boyce Distinguished Service Award (1999)

University of Arizona, College of SBS Outstanding Undergraduate Advisor Award (1999)

Selected Publications:

Patterns of Metropolitan and Micropolitan Population Change: 2000 to 2010, Census 2010 Special Report. (2012) S.G. Wilson, D.A. Plane et al. Ties That No Longer Bind? The Patterns and Repercussions of Age-Articulated Migration. *Professional Geographer* (2009) D. A. Plane and J. R. Jurvech.

Migration up and down the urban hierarchy and across the life course. *Proceedings of the National Academy of Sciences* (2005) D.A. Plane, C.J. Henrie, and M.J. Perry.

Migration drift. *Professional Geographer* (1999).

Tracking the baby boom, the baby bust, and the echo generations: How age composition regulates U.S. migration, *Professional Geographer* (1991) D. A. Plane and P.A. Rogerson.

Migration space: Doubly-constrained gravity model mapping of relative interstate separation, *Annals of the Association of American Geographers* (1984).

The Geographical Analysis of Population: With Applications to Planning and Business (1984). D.A. Plane and P.A. Rogerson.

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Highway 395 Road Trip: Los Angeles to Lee Vining (Tioga Pass, SR 120W)

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SR 14 at Agua Dulce:

Vasquez Rocks

Sediments from the alluvial fans descending from the San Gabriel Mountains, lithified into sandstone, breccia, and shale, have been uplifted to formed hogbacks – ridges of steeply dipping, eroded, sedimentary rocks. The oldest rocks are to the northeast and are Eocene in age (50 Ma). For reference, the Eocene was the warmest time in the last 100 Ma, and is used as model for global warming. The area was named for Tiburcio Vasquez, a bandit who hid out here 1874-74. Today it is an LA County Park and popular filming site: you've likely seen it featured in episodes of Star Trek, Monk, NCIS, The Big Bang Theory, and commercials by Verizon and various car manufacturers.



captainelectron.com

SR 14 at Crown Valley Road:

Acton

The town was founded in 1887 by miners working the Red Rover and Governor Mines, which were profitable sources of gold, copper, and titanium through 1990s. Acton was once considered for the State Capitol, promoted by Governor Gage, the owner of the Governor Mine. This area, too, is popular with Hollywood filmmakers; Spielberg's *Duel* (1971) with Dennis Weaver (the most frightening movie EVER!) was filmed here, and much of *Terminator 3* was filmed at the local AM/PM.



movie-locations.com

SR 14 at Lamont Odette Overlook:

Lake Palmdale

Originally a smaller sag pond, this body of water was dammed in 1924 for agricultural water storage. It is now stocked with fish, but is open only to members of the local Fin and Feather Club.

Below is the CA Aqueduct, a part of CA Water Project from the San Joaquin/Sacramento Delta. With an average flow of 13,000 cubic feet per second, this west branch of aqueduct terminates in Pyramid and Castaic Lakes.

The view opens into the Antelope Valley, which is in the rain shadow of the San Gabriel Mountains so it is much drier than the LA Basin. It is often very windy here, so drive carefully. If you'd like to add a bit of fun to your drive, take a slight detour onto W Avenue G between 30th and 40th Streets where you will be on the "Musical Road"; stay in the fast lane and no matter your vehicle type or tire size, you will be treated to a part of the William Tell Overture!



flickrhivemind.net

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Highway 395 Road Trip: Los Angeles to Lee Vining (Tioga Pass, SR 120W)

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SR 14 Roadcut:

San Andreas Fault

Here the highway passes through Holcomb Ridge, which is the San Andreas Fault trace. The folds are amazingly complex and illustrate the complexity of the fault. Oh, and welcome to the North American Plate!



facebook.com

SR 14 at Mojave:

Mojave Air and Space Port

Mojave does offer multiple options for refueling your car and yourself, but there is more here than at first meets the eye. The expanded Mojave Airport is now a civilian aerospace test center. More than 60 companies work on-site, including those involved with carbon fiber and fiberglass technologies, the National Test Pilot School, and those performing research on endo- and exo-atmospheric aircraft. Commercial airlines also continue to use the site for inspections, storage, and demolition.

SR 14 at Abbott Drive:

Red Rock Canyon State Park

The best view of this huge area of southeast-tilting sedimentary rocks is actually seen as you come towards it from the north, so those of you not driving, be sure to take a look out the back window as you ascend the hill beyond the park. Within the park, a drive along Abbott Drive and into the campground and day use area takes you into an eroded amphitheatre, exhibiting badlands topography with castellation (weathering into spires and turrets). The geology includes the Ricardo Formation: tuff, mudstone, sandstone, conglomerate, pink tuff breccia, basalt, and andesite (Miocene, 8-19 Ma). The red color of the sediments is due to oxidation of iron in some sedimentary layers; the color runs over lower beds. Looking closely at basalt flows along the access road, we can see weathered stone at the interfaces of successive flows and zeolites in the vesicles. The pink material visible across the road is a tuff breccia which blew 50,000-60,000 feet high, then drifted down as ash flow and fall.



geology.about.com

Approximately 4 miles north of the turn for Hwy. 178, the road becomes US 395; continue north on US 395...

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Pacifica is a publication of the Association of Pacific Coast Geographers, a regional division of the Association of American Geographers. The newsletter appears two times a year in fall and spring. The deadline for submission of announcements and reports for the Spring issue is April 1, and for the Fall issue is a fortnight after the conclusion of the annual meeting.

For further information about *Pacifica* contact Vienne Vu at vvu@sdccd.edu.

Special Thanks

Several years ago, when Martha Henderson offered to host our 2012 Annual Meeting in Olympia, I wondered how she could pull it off. The Evergreen State College doesn't have a geography department and she'd have to do pretty much everything by herself. As we know, the meeting was a great success, including, I am happy to report, financially. Martha managed to turn a profit of \$2,576.23, which is tucked away in the APCG coffers to help fund future meetings, especially to help cover student travel grants. I am impressed beyond words. Thanks Martha for doing a terrific job!

--Bob Richardson (Treasurer)

Highway 395 Road Trip: Los Angeles to Lee Vining (Tioga Pass, SR 120W)

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SR 14 at Little Lake:

Columnar Basalts

The lava flows in this area came from a number of volcanic vents and cinder cones to the northeast, within the Coso Volcanic Field. They date from 400,000 to as recently at 12,000 years ago. The columns to the west of the highway were formed as the result of multiple cooling points within the lava flow. Material contracts towards these points, forming hexagonal columns. (Think of the way pudding cracks in the refrigerator!) At the base of the cliff are Native American metates (grinding holes); in the early 20th century, advertisements were painted on the cliff face; they are most visible from the north-northeast. Little Lake (ahead on the left) was formed when a lava flow blocked the Owens River channel at the base of the cliffs to the east; it is now a small spring-fed lake with wetlands designated as a protected area for migratory birds.

US 395 at Cinder Road:

Red Hill Cinder Cone

This cone is the youngest of the volcanic features in the Coso Field; it produced small basalt flows and pyroclastics (lapilli and scoria). The material is mined for material for yards, fish tanks, and cinder blocks, but the commercial operation on the cone is now only on the side away from the highway, thanks to a lawsuit demanding that the view remain relatively intact.

The cone did breach during its eruptive phase; that and a view of the inside of two smaller (parasitic?) cones is visible from the roadcut approximately .5 mile north on US 395.

But before you return to US 395, continue east on Cinder Road to the turn-off for...

Fossil Falls

Follow the dirt road approximately 0.5 mile, park in the dirt lot and take the ± 0.2 mile trail marked with yellow arrows to the falls... and be awed! When a lava flow blocked the Owens River channel to the east, the water was diverted here and a channel with a deep nickpoint (waterfall) formed. Later, flows from two of the Coso vents flowed through the channel, forming the canvas for what we see today. Even later, during the mid-Pleistocene, glacial meltwater from the Sierra Nevada flowed through this channel, forming the potholes and plunge pools which make this scene so surreal.

US 395 at Gill Station Coso Road:

Coso Rest Stop

A convenient stop with restrooms and interesting, informative interpretive signs.

US 395 at Haiwee Reservoir Road:

Haiwee Reservoir

This is a storage point on the Los Angeles Aqueduct (LADWP). The reservoir controls flow, sediments drop out, and the water is aerated before entering into subterranean tunnels. Now-submerged is the settlement of McGuire's; the death of McGuire's wife and son in an attack by local Paiute led to the Owens's Lake Massacre of January 6, 1865, one of the last battles of the "Owens Valley Indian War".



geotripper.blogspot.com

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Highway 395 Road Trip: Los Angeles to Lee Vining (Tioga Pass, SR 120W)

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US 395 at Hwy. 190: Two Alternatives

Continue north on US 395 to Lone Pine.

Turn right onto Hwy. 190 and proceed around Owens Lake to Lone Pine.

Option a) US 395 N

Cartago

Over 100 years ago, Cartago was a port on the west side of Owens Lake where steamships carrying silver from the Cerro Gordo Mines unloaded onto trains and trucks to Los Angeles. Lake materials were also processed here; on the east side of Cartago is the abandoned American Potash plant, where brine was processed for soda ash, as it was at the former U.S. Borax and Pittsburgh Plate Glass facilities a bit further north on the highway.

At Milepost 44.5 north of Olancha, and 1 mile east of Hwy. 395

Cottonwood Charcoal Kilns

These kilns were built in 1873 to convert wood to charcoal for use in the Cerro Gordo Mine in the Inyo Mountains after all of the trees near the mine had been felled. The same steamships that transported silver from the mines carried charcoal on their trips back across Owens Lake.

The Alabama Gates

Above the highway is a set of valves which allows the water in the aqueduct to instead flow into the historic Owens River channel. In 1924, in one of the most famous episodes in the fight between Owens Valley residents and the LADWP; local residents took over the site for a number of days until the agents of the City of Los Angeles regained control. The site remains occupied by a gatekeeper for maintenance work... and security.



thereistakeit.org



duneguide.com

As you continue north, keep an eye (a passenger's eye, of course) out for a series of historical shorelines along the former lake edge; these represent the down-draw of the lake after 1913.

Diaz Lake

This sag pond formed after the 1872 Owens Valley Earthquake (7.4 M_w); the area dropped into mini-graben. Springs along the fault filled the depression and continue to make it a lovely recreation spot.

Option b) Hwy. 190 E

Olancha Dunes

The sand forming these dunes originated in the basin later occupied by Owens Lake, presumably during earlier interglacial period(s) during the 800,000 year rise-and-fall history of the lake. As winds today blow sediments exposed on the floor of Owens Lake, so were sediments entrained and deposited when the basin floor was exposed at earlier times.



noehill.com/inyo/cal0537.asp

A left turn on Dirty Socks Spring Road (poorly marked, dirt) takes you to this once "developed", and aptly named, spring. All that remains of the former county park is a concrete structure in the middle of the circular pond. While no longer a "hot spot" (pun intended) for those seeking a relaxing soak, it is a mecca for migrating birds.

Dirty Socks Spring

A left turn on Dirty Socks Spring Road (poorly marked, dirt) takes you to this once "developed", and aptly named, spring. All that remains of the former county park is a concrete structure in the middle of the circular pond. While no longer a "hot spot" (pun intended) for those seeking a relaxing soak, it is a mecca for migrating birds.

Turn left onto Hwy. 138 at the T-intersection...

Ancient Shorelines

Once you've passed the LADWP's facility on Sulfur Road, to the east of the road you can see shorelines of ancient Owens Lake. Access to the shorelines may be gained along various dirt roads, some leading to materials mining sites. Visible within the shorelines are imbricated pebbles and cobbles, where the alignment of the long axes of the stones indicates the direction of longshore drift and/or shoreline currents. Shells and shell fragments within the highest deposits have been dated 23.5 ka, indicating that was the highest late Pleistocene lake level. These shorelines have been deformed by post-depositional tectonic activity, primarily in the Coso Range. Tufa deposits coat many of the rocks along the base of the fan, evidence that waves once broke along that shoreline, thanks to the fetch provided by the expansive surface of the lake.

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Highway 395 Road Trip: Los Angeles to Lee Vining (Tioga Pass, SR 120W)

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Dolomite Mine

A slight right onto Dolomite Loop will take you closer to the mine, and then take you back to Hwy. 136. The yawning opening on the mountainside is the old portion of the mine, first discovered in 1862, but no longer in use. Present-day operations continue to the right of that opening.

Reunited: Junction of Hwy. 136 – Eastern Sierra Interagency Visitor Center

This is a must-see stop; inside are excellent exhibits on local geology, flora and fauna, and the L.A. Aqueduct, outside are new, clean restrooms.

US 395 in Lone Pine

Lone Pine offers plenty of opportunities for R&R: motels, a hostel, campgrounds, fast-food and sit-down restaurants, souvenir shopping, etc.

US 395 to Whitney Portal Road (in Lone Pine):

The Alabama Hills

The granitic Alabama Hills lie in front of the Sierra; while approximately the same age as the Sierra (but formed in a different orogeny), the milder climate in the valley has caused them to erode into fanciful rounded boulders and arches quite different from the jagged peaks of the Sierra. The hills were named in 1864 by Southern sympathizers, after the celebrated cruiser *Alabama*, which had destroyed a number of Union ships. If you think the hills look familiar – you're right! Over 100 films and numerous TV shows – mostly Westerns – have been filmed in the Alabama Hills over the past 90+ years. The Beverly and Jim Rogers Museum of Lone Pine Film History (in town) provides exhibits and maps of film-themed tours of the area.



gizzardstone.com

US 395 north of Lone Pine

1872 Gravesite

Approximately 4 miles north of town, on the west side of the highway, is the burial site of the majority of the 27 local victims of the 1872 earthquake. The 'quake occurred at night, when most residents were inside their non-seismically fit adobe homes. The Sierra Nevada frontal fault has a right-lateral component, as is often the case with normal faults of this magnitude; relatively complex tectonics also result in smaller left-lateral offsets in the area.

US 395 to Fish Springs Road, left to Tinnemaha Road, left to Fuller Road, right into and through Tinnemaha Campground approx. 1.4 miles to:

Perlite Mine

Perlite is hydrated obsidian; it erupted here as a viscous ooze and formed a plug in the vent from which it erupted. The material is mined for use in hydroponic gardening, fabrication of building materials (sound and temperature insulation), as an absorbent in toxic waste cleanups, as an abrasive additive, a lightweight filler, and as a filter in the production of wine, beer, fuel, water, and other products.

The Poverty Hills lie between the mine and the valley floor; Paleozoic in age (542 – 251 Ma), this marble-containing compression ridge was formed by a left-step of the frontal fault.



luminous-landscape.com

US 395 through Big Pine to SR 68:

The road to Kearsarge Pass and the Ancient Bristlecone Pine Forest

Kearsarge Pass was named by the people of Independence (the next town to the north) following the sinking of the Confederate ship *Alabama*—it was the *Kearsarge* that sunk the *Alabama*. The Ancient Bristlecone Pine Forest is 13 miles up SR 68, then 10 miles in along White Mountain Road. The Schulman and Patriarch Groves both contain excellent specimens of these ancient trees, with walking/hiking trails and some visitor amenities.

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Highway 395 Road Trip: Los Angeles to Lee Vining (Tioga Pass, SR 120W)

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US 395 in Bishop:

Here is another (greater) opportunity for R&R: motels, campgrounds, fast-food & sit-down restaurants, a supermarket, a big-box store, and Schat's Bakkerly! The Bishop Area Chamber of Commerce and Visitor Center, and the U.S.F.S. White Mountains Ranger Station, both provide maps and other information on activities in and around Bishop. If you've the time, spend a day or two in this area.

Local sights of interest include:

- ⇒Tungsten Hills: This area has been mined for tungsten since 1913, although the operation is smaller now than it was in the 20th century. A drive up into Pine Creek takes you through glacial moraines, mine tailings, and the mine's company town, with streets named for the states from which the miners came.
- ⇒Chalk Bluff Road: Follow US 6 to 5 Bridges Road, go left on Jean Blanc Road, and keep left onto Chalk Bluff. This road takes you along the base of the ±760 ka Bishop Tuff, with views of the Owens River to the left and ash fall deposits on the right. Exit through the campground and out Pleasant Valley Dam Road back to US 395.
- ⇒Petroglyphs: Fish Slough, Chidago and Red Rock Panels. For information and directions to the sites, see: <http://desertexplorer.wordpress.com/2009/12/07/fish-slough-petroglyph-panel-bishop-california/>
- ⇒Laws Railroad Museum and Historic Site. I admit I've never been, but others rave about it. Check it out at: <http://www.lawsmuseum.org/>

US 395 to left on Pine Creek Road *or* Gorge Road, right on Old Sherwin Grade Road

Old Sherwin Grade Road

Round Valley and Coyote Warp

Stop along the road where you can view the mountain front to the west and southwest. Coyote Warp, mid-way up the mountain front to the southwest, has been explained variously as a Pliocene erosional surface, a fault-propagation fold, a series of slide blocks, a plunging anticline, and other structures. Round Valley, the large, low plain between the road and the mountain front, is a structural depression at a point where the Sierra Nevada frontal fault steps right (towards the west). The straight moraines of Pine Creek indicate that the glacier that was there during the Pleistocene was very cold and flowed directly out from the mountain front.

Old Sherwin Grade Road (named Lower Rock Creek Road in this community), left on Sierra Vista Drive (park)

Paradise Debris Flow

As you rounded the corner before taking your turn onto Sierra Vista, you passed a roadcut exhibiting an old debris flow. (Yes, upon which that beautiful home is built.) Wander over and take a close look at the flow – but watch out for traffic! – and you will see flat-face weathering and proof that this flow post-dates the Bishop Tuff, as some of that volcanic material is contained in the flow.

Old Sherwin Grade Road at the Smokey the Bear Sign (park) **Wagon Wheel Tracks**

Climb the small slope to your right, and there you are: on the first road to Bishop. Etched into the tuff you can see both the tracks of the wagon wheels and the wheel hubs (on the sides of the small depression made by the wheels). Just up-hill from this spot a tree grows in the middle of this old road; that tree was but a sapling in 1982. The road leads downhill, across the road and down to the remains of an old pack station.

Old Sherwin Grade Road at US 395 (Across US 395 to the south; pull over to the right to view)

Big Pumice Cut

This roadcut shows the Sherwin Till, overlain by Bishop Tuff ash fall and flow. The tuff deposits are cut by clastic dikes extending down from the top of the outcrop. This is considered by many glaciologists to be the most important glacial outcrop west of the Mississippi River, as it allowed relative dating of the Sherwin Till (i.e. older than the Bishop Tuff).



geology.csupomona.edu

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Highway 395 Road Trip: Los Angeles to Lee Vining (Tioga Pass, SR 120W)

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US 395 north, right on Rock Creek Road, right on Crowley Lake Drive

Mono County Library/Long Valley Fire Station (parking, view and restroom)

On this road, you travel along the western edge of the Long Valley Caldera, created +750 ka when a huge volcano blew 125 cubic miles of ejecta into the air. (That's 250 times greater than the volume of Mount St. Helens.) In the early 1980s, the magma body moved to within 3 kilometers of the surface, accompanied by a swarm of earthquakes (6 of which were $\pm 6 M_w$), prompting the USGS to increase their monitoring of this area. Earthquake activity continues today, albeit not consistently. For more information, review <http://pubs.usgs.gov/fs/fs108-96/>.

Crowley Lake Drive to McGee Creek Road, left to campground

McGee Creek Moraines

Impressive lateral moraines extend along each side of the valley. As if that isn't enough cool geology, the Hilton Creek Fault vertically offsets the moraines and the valley floor; looking toward the mountain front you will see notches in the moraine ridges' tops near the mountain front, and a wall of trees in front of the scarp at the head of the campground. As you descend the windy road back towards the highway, notice that you can see the fault line snaking across the mountain front, at the same height as the top of the moraines.



flickr.com

US 395 N, right on Hot Creek Hatchery Road, 2 miles paved and 3 miles unpaved, parking area on left.

Hot Creek

This stretch of the creek is heated by the magma body below; the colors of the water and the surrounding rock are due, respectively, to hydrothermally-tolerant bacteria and

chemical weathering of the rock. Swimming and soaking in the hot waters was allowed prior to spring 2006 when heavy snow melt resulted in increased geyser activity and increased temperatures in the pools. Something has changed in the subterranean plumbing system!

Return to US 395 N to SR 203 (right)

Casa Diablo Geothermal Field

This area has changed drastically in the past 30 years. In the early 1980s there were bubbling pots of diatomite mud on the hill slope to the east; in the 1990s the water flowing through the fields and the ground itself got warmer. By the early 2000s, there were fumarole mounds in the field and a geyser began erupting across the road to the east. The first geothermal plant structure – a temporary building – had to be abandoned because of increasing temperatures. The current facility, owned by Ormat Technologies, sells power to PG&E.



geoscapeshotography.com

Return to US 395 N to Obsidian Dome Road to Glass Flow Road to 2S10, continue left to park among the trees

Obsidian Dome

This so-called dome is actually a squeeze-up, an irregular ridge of material extruded onto the surface. Tree ring data shows an eruptive date of late Summer 1350 CE. If you decide to climb, do so very carefully. The boulders are loose, and the obsidian sharp!

Return to US 395 N to SR 158 – June Lake Loop

Oh! Ridge Lookout

From this viewpoint, you overlook June Lake and should be able to see the head of this huge horseshoe-shape valley. The loop road (SR 158) follows the path taken by glaciers during the Pleistocene as they descended from the peaks to the east and diverged to flow out to the north & south. Beyond June Lake is Gull Lake, another in the series of paternoster lakes in this valley.

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Continue along SR 158 around the Loop to view the next 5 glacial features:

Glacial Erratic

Perched perilously above the fire station is a giant boulder left perched in its present location by a retreating glacier. Climb on up for a photo op!



en.wikipedia.org

Reverse Creek

The creek flowing from the peaks at the west end of the valley originally flowed out in both directions, as did the glaciers. After the end of the Pleistocene, the softer rocks in the northern part of the loop eroded more quickly and efficiently than did the harder rocks in the south portion, increasing the gradient of the creek in the northern channel. The result: stream capture (a.k.a. piracy); the stream now flows exclusively through the northern channel.

Hanging Valley

Beyond Silver Lake, above the stables, is a hanging valley: a channel once filled by a tributary of the main glacier flowing through the main valley. As the larger glacier eroded more deeply into the channel, the smaller tributary was unable to keep up the pace. Now, when flow is sufficient, a waterfall cascades down the slope.

Glacial Chattermarks and Striations

Where the road narrows, and just as the road begins to turn to the left around a large outcrop, there is a small pullout on the left; pull in and park.

In the rock face, at eye level, are crescent-shape gouges or chattermarks – the marks made by rocks embedded in the base of a glacier as they skip across the rock surface. Look for this pattern: (((((((Up the hill can be seen glacial striations, caused by sediment in the ice scraping across the rock surface.

Grant Lake

Grant Lake, the largest of the lakes on the June Lake Loop, is

often low enough to show the recessional moraine(s) dividing the lake into 2 major sections. On the far side of the lake is a right lateral moraine, which merges into a terminal moraine at the far end of the lake.

Return to US 395, but head **south** to SR 120 / Mono Lake Basin Road (left)

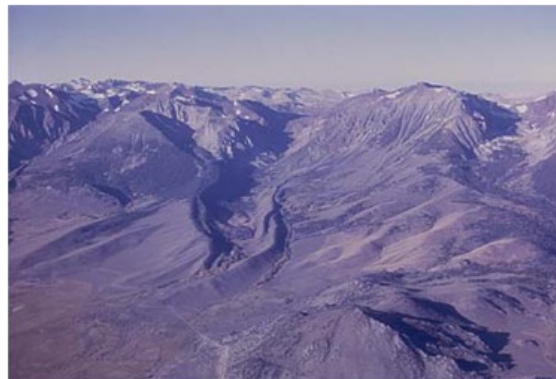
Panum Crater

Follow the small sign on the left towards Panum Crater, and continue out the dirt road to the parking area at the base of the crater. This is the northernmost and youngest of the Mono Craters; the others are seen to the south. These are but a section of the Mono-Inyo chain of volcanoes, extending from Mammoth Mountain to Mono Lake. Panum is a rhyolitic plug dome, high in silica and therefore very viscous. The eruption was like toothpaste oozing out of a tube. The moat around the plug is composed of material thrown out during the eruption; it is less dense and less siliceous than the plug itself, from a source deeper in the magma chamber.



indiana.edu

Looking across the valley back to the base of the Sierra, you may be able to see as many as four (4) sets of moraines, three extending out towards the northeast, another smaller set extending more to the east and overrun by the former. This latter set is actually the oldest; they date to the 130 ka Mono glaciation moraines. The others: Tahoe, Tenaya, and Tioga, range in age from 75 ka to 10 ka.



earthweb.ess.washington.edu

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Highway 395 Road Trip: Los Angeles to Lee Vining (Tioga Pass, SR 120W)

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Continue E on SR 120 to Test Station Rd. (left) to parking lot at

Mono Lake

This surreal place is the result of natural processes; our view of it is because of the LADWP. Tufa is a form of Calcium Carbonate (CaCO_3), formed through chemical reactions between fresh and saline water, algae, and sunlight. Pinnacles formed where fresh-water springs mixed with the saline waters of Mono Lake (Pleistocene Lake Russell). Clearly, historic lake levels were much higher; people still water skied on the lake in the early 1960s. Drawdown of the lake via diversion of feeder streams by the LADWP resulted in the lake level dropping a maximum of 40 feet. Thanks to the efforts of the Mono Lake Committee and other private and public groups, the lake is now being allowed to rise to a court-decreed level of 6,392 feet above sea level. This effort will likely take another 10-20 years, given average precipitation.

For a smaller scale, but equally cool, tufa experience, before returning to the pavement of SR 120, turn left onto the road to Navy Beach, park in the lot and walk east a few yards to...

Sand Tufa

These delicate tufas were formed when freshwater percolated up through sand beds (rather than into the lake), cementing the sand particles.

Return to SR 120 W to US 395 N, through Lee Vining to

Mono Basin Scenic Area Visitor Center

From the back patio are great views of the islands of Paoha (uplifted lake beds) and Negit (a resurgent dome) within Mono Lake. Inside are excellent exhibits on the lake, the tufa, local flora and fauna, and the use of the area by native peoples.

From here, you may return to Lee Vining and head over CA 108 through Yosemite or continue on towards Lake Tahoe; there is much more to see in the Mono Basin and beyond!



tripadvisor.com

Additional Sources:

Mojave Airport: <http://mojaveairport.com/>

Movie, TV filming: www.imdb.com



Ubehebe Crater, Death Valley



Announcing the 76th Annual Meeting of the APCG at Lake Tahoe, September 25-28, 2013

Dear APCG Members, Friends, and Guests.

The Association of Pacific Coast Geographers is proud to announce our 2013 Annual Meeting, held at *The Village at Squaw Valley* in Olympic Valley, Lake Tahoe, from September 25th through 28th, 2013. The site hosted the 1960 Winter Olympics.

The Opening Session on Wednesday evening (September 25th) features a presentation about the Tahoe region. This presentation will be followed with a reception and social hour.

Exciting field trips around the Tahoe Basin take place on Thursday, September 26th. Field trip topics include Basque arboglyphs, fire management, lake ecology, tribal perspectives, habitat restoration, water rights, sustainability, and more. There are also bicycle trips, hikes, and boat rides. Our Annual Social Event, on Thursday evening, will be a BBQ followed by the APCG President's Address. Both events are held at the Squaw Valley Conference Center.

Formal paper sessions begin on Friday, September 27th. The Department Chair's Network Luncheon

will also be held this day. Friday evening features the President's Plenary session, featuring former California State Park Rangers David and Janet Carle. Their presentation covers the content found in their new book, *Traveling the 38th Parallel: A Water Line around the World*. The President's Reception and Poster Session follows this presentation.

Formal paper sessions continue on Saturday, September 28th. Also held on Saturday is the Women's Network Luncheon, which is preceded by a special Women's Network Plenary session; the Geography Bowl; and the APCG Business Meeting. The culminating event is the Annual Awards Banquet, scheduled at High Camp, a site 2,000 feet above the valley floor that offers breathtaking views of Olympic Valley and Lake Tahoe.

Registration begins May 15, 2013. We look forward to seeing you at Lake Tahoe, September 25-28, 2013.

Michael Schmandt, *Conference Coordinator*
apcg2013@gmail.com



<http://apcgweb.org>



Registration & Call For Papers

Registration

Join geographers from the American West and beyond this September 25-28, for the 2013 Meeting of the Association of Pacific Coast Geographers. Attend the 2013 conference at Lake Tahoe to exchange ideas, research, and resources with friends and colleagues.

Early registration begins May 15, 2013. At that time, you may go to <http://apcgweb.org> to register on-line or print a registration form that can be mailed with a check. Early registration rates begin at \$100 for Members and \$40 for Student Members (before July 1, 2013). Please see the website for other registration rates.

Your 2013 Member and Student conference registration includes:

- Access to all sessions and speakers.
- One ticket to the Opening Session reception.
- One ticket to the President's reception.
- Access to purchase tickets for field trips, the Social Event BBQ, and the Awards Banquet.

Presenting Papers & Posters

Papers are scheduled for 15-minute presentations with 5 minutes for questions. Posters are restricted to 4'x 6' in size. All presenters must be current APCG members and pay meeting registration fees. If you are not a current member, please add your membership fee to the cost of registration. Each registrant is entitled to submit no more than one abstract, either for a poster or for a spoken paper, although you may be listed as a non-presenting co-author on more than one abstract. Moreover, persons who are participating in an organized panel session may not submit an additional paper or poster as first (and presenting) author. If you have any questions about these requirements, please contact us at apcg2013@gmail.com. Deadline for abstracts is Friday, August 16, 2013.

Digital and Other Media

Digital projectors compatible with standard formats will be available and a PC laptop with MS PowerPoint and MS Word will be available for presenters. It is crucial for presenters to bring an electronic copy of their presentations on a USB drive or CD. You are strongly encouraged to bring backups and hard copies (transparencies or handouts) for all digital media. Stan-

dard overhead and slide projectors can be made available if requested. Send requests to apcg2013@gmail.com.

Preparing the Abstract

Please use Microsoft Word to create your document. Type-face should be 12pt Times. In the header of the abstract include the name, affiliation, and e-mail address of each presenter and the title of the paper. Then enter the body of the abstract (of not more than 200 words; please see example below). After the abstract, please indicate on a separate line if the submission is a "student competition" entry. If you are willing to chair a session, please indicate it on a separate line. Please send paper and poster abstracts via e-mail to apcg2013@gmail.com as an attached file named with the presenter's last name (e.g. Hadley2013.doc) and use the subject "Paper Abstract" or "Poster Abstract." All abstracts must be received by 11:59 pm on August 16, 2013. Final inclusion in the Conference Program will be withheld until registration is paid in full (conference fees and APCG membership). In your email with your abstract, please indicate whether you are able/willing to chair a session during the conference.

Sample Abstract

(Please use this format, including bold and italic text and all punctuation)

Keith S. Hadley, hadley@pdx.edu, *Portland State University*, and **Karen B. Arabus**, karabas@willamette.edu, *Willamette University*. **Forest Structure and Succession Across a Naturally Fragmented Landscape in Central Oregon.** Forest Structure and Succession Across a Naturally Fragmented Landscape in Central Oregon. This study examines spatial patterns of forest structure and post-fire succession on 11 natural forest isolates (.3 to 83 ha) in central Oregon. Our objective was to determine how stand composition and structure vary at different spatial scales in response to topographic conditions, area, isolation, and disturbance. To meet these objectives, we focused our analyses on stand structure comparisons and stand distributions within and among the isolates. Our results indicate a complex interaction of multi-scale processes are involved in stand development. Whereas autogenic models of succession, e.g., facilitation, tolerance, and inhibition, and accelerated succession appear to explain current stand compositions and structures, these processes are spatially constrained by topographic conditions and isolate area and isolation. We conclude that stand development...

Lodging - The Village at Squaw Valley

The Village at Squaw Valley

The 2013 APCG conference will be held at *The Village at Squaw Valley* in Olympic Valley, California at the base of the mountain that hosted the 1960 Winter Olympics.

The heart of *The Village at Squaw Valley* consists of five mixed-use buildings that are connected by cobblestone pedestrian paths. These walkways link the lobby, shops, restaurants, and some of the meeting spaces. The upper floors host the guest suites. Besides their great meeting spaces, we take advantage of the Squaw Valley Conference Center, an indoor/outdoor facility where we will have a BBQ and the President's Address on Thursday evening after the field trips. If the weather is good, we will conclude the meeting with the Annual Awards Banquet at High Camp, a mountaintop (8,200') venue with panoramic views of Lake Tahoe, Olympic Valley, and the neighboring mountains. High Camp is accessible via a scenic 10-minute tram ride that departs from the main village complex.

The Village at Squaw Valley is an all-suite property where each room has a full-size kitchen, a family room, balcony, and views. We have blocked nonsmoking rooms at a special conference rate of \$119/night plus tax and a resort charge of \$15 for a one-bedroom suite (about 600 square feet that sleeps up to 4) and \$169/night plus tax and a resort charge of \$15 for a two-bedroom suite (sleeps up to 6). There is no extra per person charge. The resort charge covers high-speed internet access in the rooms, complimentary newspapers, coffee, tea, and conference services. Overnight parking is included. Reserve your room as soon as possible (it is on a first come first serve basis). Call *The Village at Squaw Valley* at 888-767-1907 for reservations. Be sure to mention that you are with the APCG to receive the conference rate.

This meeting makes a great mini-vacation not only for our members but their families. The Village is kid friendly, and there are many activities available for children and adults including hiking, bicycle rental, miniature golf, swimming, and more. We have also negotiated for reduced rates 2 days before and 2 days after the conference dates for those members that would like to prolong their stay.

The Village at Squaw Valley enjoys easy access from Reno (48 miles; about 57 minutes from the airport), Sacramento (96 miles; less than 2 hours from the airport), and San Francisco (196 miles; about 4 hours from the airport). These cities have major airports with non-stop flights to many of the cities in our region. On the ground, the Tahoe region is accessible by two U.S. highways (50 and 395), an Interstate (80), and Amtrak (Truckee, 12 miles to Olympic Valley).

Make your reservation by calling and telling *The Village at Squaw Valley* that you are attending **APCG**.

(888) 767-1907





Opportunities for Students

Numerous Awards, Grants & Scholarships

Over the past few years, opportunities for Geography students at universities throughout the West have grown, thanks to the generous financial support and vision of geographers like you.

If you are an undergraduate, Master's, or PhD student of Geography and have the ambition to attend this fall's APCG meeting at Lake Tahoe, please read the following pages and check out the APCG Grants webpage (<http://apcgweb.org/grants-scholarships>) for updates. Here you will see travel grants for all levels of students of any background, as well as a few special travel grants for students who are underrepresented in Geography. The special grants include those for students of Latina/o American background, Indigenous students, and those of African descent. There are also travel grants for women geography students. You will also notice that there are several scholarships that are designed to assist students with their research projects. Specifically, there is the Larry Ford Fieldwork Scholarship in Cultural Geography, which is named in honor of the San Diego State urban geographer who walked and "lurked" around city centers and neighborhoods to study their commonality and their unique cultural essences. There is also the Margaret Trussell Scholarship for women graduate students, named after the dedicated mentor of women geographers, founder of the APCG Women's Network, and first woman President of APCG. The large bequest Dr. Trussell left to APCG has supported many excellent research projects by women Geographers since 2000.

Don't be shy. Apply for one or more of these scholarships. If you are a faculty member, please encourage your students to apply. Below you will find a brief description of the opportunities that exist, but please check out the above website for any alterations, additional announcements, requirements, and deadlines. The meeting this fall is not one to miss.

Student Award Competition

Students make up a significant portion of the paper and poster presentations at our annual meetings. Students benefit by presenting to a diverse audience and receiving expert feedback on their research. To encourage participation and to recognize and reward student scholarship, the APCG annually presents nine awards. The two most recent awards are due to the generous support of Robert and Bobbé Christopherson who are offering awards at the undergraduate and graduate level. The nine awards are:

- 1) Tom McKnight and Joan Clemens Award for an Outstanding Student Paper, \$500
- 2) President's Award for Outstanding Paper by a Ph.D. Student, \$200
- 3) President's Award for Outstanding Paper by a Master's Student, \$200
- 4) President's Award for Outstanding Paper by an Undergraduate Student, \$200
- 5) Harry and Shirley Bailey Award for Outstanding Paper in Physical Geography, \$200
- 6) Committee Award for Excellence in Area Studies, \$200
- 7) President's Award for Outstanding Poster Presentation, \$200
- 8) Christopherson Geosystems Award for Best Applied Geography/Earth Systems Undergraduate Student Paper, \$500
- 9) Christopherson Geosystems Award for Best Applied Geography/Earth Systems Graduate Student Paper, \$500

The awards are open to undergraduate and graduate students who are APCG members. Papers and posters may be co-authored if all authors are students, and the paper or poster must be presented at the annual meeting. Evaluation is made by the APCG Awards Committee based on the extended abstract and the presentation. Applicants need to: 1) Submit the regular short abstract to the conference coordinator at Lake Tahoe, as outlined in the Call for Papers/Abstracts, and 2) Submit an extended abstract (1,250 word max) along with a student paper and poster competition application form to Greg Bohr at gbohr@calpoly.edu by **September 6, 2013**. Extended abstracts and application forms are required for both paper and poster entries.

Travel Awards for Student Presenters

To encourage student participation in the annual meeting, the APCG commits \$4,000 to travel grants of \$200 each (except for students from the Reno, Sacramento, Chico, Turlock, and Bay Area region who are eligible to receive travel grants of \$100). If grant applications exceed the \$4,000 total, recipients will be selected by a random lottery. To be eligible for a travel grant, a student must be an APCG member and must present a paper or poster at the annual meeting. However, you do not need to be entered into the paper/poster competition to be eligible for a travel grant. Travel grant applications can be emailed, mailed, or faxed to Greg Bohr, gbohr@calpoly.edu, and must be received by **September 6, 2013**. Recipients will be notified by September 10, 2013, and will be awarded grant checks at the annual awards banquet at Lake Tahoe, CA (or by mail afterward).



Opportunities for Students, cont.

African Descent Student Travel Scholarships

The APCG offers travel grants to attend the APCG Annual Meeting at Lake Tahoe, CA (September 25-28, 2013): \$200 for current Geography students who attend the meeting; \$300 for current Geography students who present papers or posters. Application deadline is **Friday, August 31, 2013**.

The APCG African Descent Scholarship Program was created in 2009 to provide travel grants for Geography students of African descent to assist them with financial support to attend APCG annual meetings.

A travel grant requires two steps: 1) A statement about the student's interests in geography, commitment to attend the Lake Tahoe meeting, statement about the student's ethnic background, and, if presenting a paper or poster, a description of the research topic, and 2) A supporting letter of reference from a faculty member.

Please e-mail the student statement and the faculty support letter (or any additional questions) to James W. Harrington (jwh@u.washington.edu), Aribilola S. Omolayo ([samuelo@csufresno.edu](mailto:samueldo@csufresno.edu)), and John and Bev Passerello (johnbev81@yahoo.com). Please place ADSTS in the e-mail's subject line.

Indigenous Student Travel Scholarship

Application Deadline: **Sept. 3, 2013**.

The purpose of the Indigenous Student Travel Scholarship is, through student support, to cultivate indigenous geography scholarship in our discipline and bring the Native voice forward. The unique form of geographical knowledge, perspective and expression of Native students enriches the organization and enlivens the conversations geographers have. Native American, American Indian, Native Hawaiian or Alaska Native graduate or undergraduate students within the APCG region are eligible. Awards are to be applied to travel, accommodation, and/or registration expenses at the APCG meeting.

The application requires two steps: 1) A statement about the student's interests in geography and the student's Indigenous/Native background, and 2) A supporting letter of reference from a faculty member.

Student awardees must attend the Lake Tahoe conference. Awards will be \$200 for students who attend the conference and \$300 for students who present (a paper or poster) at the conference. Fees to attend the awards banquet will be waived

for the awardee(s) as well.

Send student statements and faculty letters as electronic attachments (preferably as a Word or pdf file) to Kate Berry, Chair, Indigenous Student Travel Scholarship at kberry@unr.edu. Please place ISTS in the e-mail's subject line.

Larry Ford Fieldwork Scholarships in Cultural Geography

The APCG continues an annual tradition—a competition for \$500 awards for the Larry Ford Fieldwork Scholarship in Cultural Geography. The awards go to students pursuing a masters or doctoral degree in cultural geography in an APCG region geography department (applications from outside the region will not be considered). Applicants must also be APCG members.

There is an early deadline for the Cultural Geography Fieldwork Scholarship—**June 15, 2013**. The goal of the awards committee and the donor is simple: students who receive this award will have the \$500 available for summer use (applicants will be notified in late June). Recipients can use the funds right away, and must present at least preliminary results at the APCG meeting this year at Lake Tahoe.

Scholarship applications require two parts: 1) A proposal (not to exceed 1000 words), which must include project title, topic to be investigated, the context of research, methods, and a brief budget that explains how the award will contribute to field research for a master's thesis or doctoral dissertation. Submit the proposal (as a PDF file). 2) Two letters of support, including one from the applicant's major advisor that explains how the award will be applied toward field research in cultural geography. Request that letters of recommendation go by e-mail directly to Paul F. Starrs, Chair of the Larry Ford Fieldwork Scholarship committee of APCG at starrs@unr.edu. Additional questions about the scholarship can also be e-mailed to the above address. Please place "LFFCGFS" in the e-mail's subject line.

The scholarship recipient is required to present a paper or poster about the field research supported by the award at the APCG meeting at the meeting immediately following the award. In addition, the award recipient must write a brief summary of the field research findings, which might be included in a future *Pacifica* issue. The Larry Ford Fieldwork Scholarship in Cultural Geography from the APCG should be acknowledged in any publication based on the supported field research. Publication in the APCG *Yearbook* is encouraged.



Opportunities for Students, cont.

Latina/o American Travel Scholarship (LATS)

Travel Grants to Attend the 2013 APCG Annual Meeting at Lake Tahoe. \$200 for Non-Presenting Students; \$300 for Presenting Students. Application Deadline: **September 6, 2013**.

LATS was created to help make it possible for Latino/Latina ancestry students—both undergraduate and graduate—from Geography programs in the APCG region to attend annual meetings.

The scholarship is particularly appropriate for the APCG because students of Latino ethnicity constitute the largest population in our region that is underrepresented in Geography. Awards are to be applied to travel, accommodation, and registration expenses at APCG meetings.

Application requires two steps: 1) A statement about the student's interests in geography and the student's Latino family background, and 2) A supporting letter of reference from a faculty member.

For 2013, the committee will determine the number of awards based on the applicant pool. A non-presenting student must register for and attend the Lake Tahoe meeting, attend paper sessions, and attend the annual banquet to receive an award. A presenting student must register and attend the meeting, and present a paper or poster to the conference, and must attend the annual banquet to receive an award. At the banquet, award recipients will be asked to say a few words about their geography interests and their Latino heritage.

Send applications as electronic attachments (Word or .pdf) and have faculty send letters as same to Daniel Arreola, Chair of Latino American Travel Scholarship at daniel.arreola@asu.edu. Please place LATS in the subject line.

Margaret Trussell Scholarships for Women Graduate Students

The APCG in conjunction with the APCG's Women's Network, is pleased to announce the annual competition for the Margaret Trussell Scholarship. Normally, two scholarships are made annually, one to a woman doctoral geography student and one to a woman master's geography student. All fields of geographical study are welcome. Women students who are members of APCG are encouraged to apply.

The competitive awards are made based on excellence in research design, written proposals and requests for funding, and supportive letters of recommendation. The funds may be used to support fieldwork, archival research, and writing. A well-stated research description, statement of need, timeline of work, and budget are required. Each application should be accompanied by two letters of recommendation from faculty who either know the student or serve on their research committees.

Each application must include the following items: 1) Statement of Project and a general overview with bibliography, 2) Timeline for completion, 3) Budget and identified use of award (\$1000), 4) Graduate Transcripts, 5) Two letters of recommendation from faculty members, and 6) Contact Information.

Faculty members are asked to encourage students to apply and support applicants with letters of recommendation. Applications are accepted in late spring and early summer but no later than **August 1st, 2013**. Applications may be made by email with a follow-up hard copy of the application if possible. Applicants are asked to attend the Lake Tahoe meeting and make a presentation. Winners are further asked to send a short article about their work to the *Pacifica* editor for possible inclusion in a future *Pacifica* issue. Only those applicants out of the country at the time of the meeting are excused from attendance.

Please send email and hard copy applications to: Peggy Hauselt at PHauselt@csustan.edu and CSU Stanislaus, Department of Anthropology, Geography & Ethnic Studies, One University Circle, Turlock, CA 95382. Please place MTS in the subject line.

APCG Women's Network

Travel Grants of \$200 to attend 2013 APCG Annual Meeting in Lake Tahoe
Nomination Deadline: **July 8, 2013**

The Women's Network invites all faculty members of the APCG to nominate an outstanding female undergraduate or graduate student for a Women's Network Travel Grant to support their attendance at the APCG meeting in Lake Tahoe, California September 25-28th, 2013. The 2013 Travel Grant awards will be **\$200** per award. Grant recipients will be recognized at the Women's Network Luncheon and will be asked to speak

Opportunities for Students, cont.

briefly at the luncheon about their interests and goals, as well as how the Network might assist them in reaching those goals.

The travel grant is designed to defray the cost of registration fees and/or travel to attend the 2013 meeting. It is not necessary that the student give a paper, rather the monetary award provides an opportunity for a student to gain experience from attending an important regional meeting. In addition to the cash grant, the Women's Network will also pay for a one-year student APCG membership, and the cost of the 2013 luncheon, for each awardee. This initiative is funded through contributions to the Women's Network of the APCG. We expect to fund seven or eight students, depending on available funding.

Nominations must be received by **July 8, 2013**. Nominations should consist of a *brief* paragraph outlining the student's interests and abilities in geography, and include the email address of the nominated student. Nominations can be emailed to Lise Nelson (lise@uoregon.edu).

Please ask your student nominee to provide the Women's Network with a one-page statement detailing why they want to attend the meeting as well as their current interests and goals in the field of geography. This statement, as well as contact phone number, email and mailing addresses, should be converted to a pdf file and submitted via email to Lise Nelson at University of Oregon (lise@uoregon.edu) no later than **July 15, 2013**. We will notify the recipients in mid-August.

This program is entirely funded through contributions to the Women's Network of the APCG. Several years ago, to assure a more secure funding for the Travel Grants, we introduced a successful fund-raising campaign to honor individuals (living or passed on) who are/have been mentors in Geography. This year, we again give members the opportunity to send a donation to the Women's Network Travel Grant, along with the name of their 'honoree.'



APCG

Association of Pacific Coast Geographers

76th

Annual Meeting

Tahoe, September 25 - 28, 2013

Conference Registration begins May 15, 2013

For more information go to apcgweb.org or contact Michael Schmandt at apcg2013@gmail.com

ContributingMembers

Many thanks to the following Contributing Members from 2012 and 2013 (all but a few have renewed by now). Of the 366 members who have already renewed or joined for 2013 as of 4/19/13, almost 15% are Contributing Members. Dues receipts from them are 32% of the total received. So far in 2013, Contributing Members have paid \$1,840 more than if they were Regular Members (and some of them could be Student or Retired members). These extra funds help cover the cost of the President's awards and travel grants for student presenters (\$5,200 at Olympia last year).

Clark Akatiff
James P. Allen
Daniel D. Arreola
Martin Balikov
Steve Bass
Warren R. Bland
Mary Elizabeth Braun
Robert W. Christopherson
Bobbé Z. Christopherson
Richard Cocke
William K. Crowley
Stephen Cunha
Robin Datel
Mary Imandt de Jesus
Cary de Wit
Vincent J. Del Casino, Jr.
Susan Digby
Dennis J. Dingemans
Gary S. Dunbar
Richard A. Eigenheer
Tracey Ferguson
Barbara Gleghorn
Keith Hadley
James W. Harrington
James P. Harris
Gary Hausladen (dec)
John Heppen
Samanthe Kadar
Martin R. Kaatz (dec)
Tina Kennedy
Earl W. Kersten

Sriram Khé
William A. Koelsch
James S. Kus
Kelli L. Larson
Larry L. Loeher
Matthew Lofton
Andrew Marcus
Robert L. Monahan
Alexander B. Murphy
David A. Plane
Philip R. Pryde
Robert T. Richardson
Les Rowntree
Gundars Rudzitis
Randall Rush
William Russell
Michael Schmandt
William Selby
Dr. Nancy J. Selover
Debra Sharkey
Larry Simón
Everett G. Smith
Paul F. Starrs
Nancy Summers
Michael Tripp
Donald E. Vermeer
James W. Wickes
Siri Nimal Wickramaratne
Nancy Lee Wilkinson
Martha Works
Terence Young

New Members

Welcome to these new members who have joined since the list from the Fall 2012 issue.
(*Asterisk denotes a former member who has rejoined.)

Nick Burkhart*
Markus Chisholm
Benjamin Christian*
George A Dunning
Faye-Lynn Gallant
Rose Keller
Dianne Meredith*
Anna W Moore
Kiram Pallachulla
Robert F. Pierce

Moshe Rapaport*
Branden Rishel
Rachel Russell*
Linnea C. Sando
Belinda Jean Stevens
Tamara Wagner
John Ward
Dick Winchell*
Ling Zhang

APCG Directory

COMMITTEES CONT.

Applied and Independent Geographers Group: (vacant)

Budget Committee:

Dennis Dingemans (co-Chair),
UC Davis,
djdinemans@ucdavis.edu;
Elena Givental, (co-Chair)
Berkeley City College
egivental@peralta.edu

Margaret Trussell Scholarship Committee:

Peggy Hauselt (Chair), CSU,
Stanislaus, PHauselt@csustan.edu;
Martha Henderson, Evergreen
State Univ., mhenders@evergreen.edu; Stephen Cunha, Humboldt State, Stephen.Cunha@humboldt.edu;

Women's Network Committee:

Lise Nelson (Chair), University of Oregon lise@uoregon.edu
(other names pending)

Larry Ford Fieldwork Scholarship in Cultural Geography Committee:

Paul Starrs (Chair), University of Nevada, Reno, starrs@unr.edu;
Susan Hardwick, University of Oregon, susanh@uoregon.edu;
Michael Schmandt, Sacramento State, schmandt@csus.edu

Latina/o American Travel Scholarship Committee:

Dan Arreola, Arizona State Univ., Daniel.Arreola@asu.edu;
Fernando Bosco, San Diego State University, fbosco@mail.sdsu.edu; Jennifer Helzer, CSU Stanislaus JHelzer@csustan.edu

Indigenous Student Travel Scholarship Committee:

Kate Berry (Chair), University of Nevada, Reno, kberry@unr.edu;
Renee Louis, Pacific Data Digitizing mapdr@earthlink.net; Kenneth Madsen, Ohio State Univ., madsen.34@osu.edu; Homana Pawiki, Veteran's Administration, LoRae.Pawiki@va.gov; John & Bev Passerello, Passerello Thoroughbreds, johnbev81@yahoo.com

African Descent Student Travel Scholarship Committee:

James W. Harrington (Chair), University of Washington, jwh@u.washington.edu; Aribiloa S. Omolayo samuelo@csu-fresno.edu, and John and Bev Passerello, Passerello Thoroughbreds johnbev81@yahoo.com

Special Fund Contributions

Since the Fall 2012 listing more contributions have come to our Special Funds, as follows: \$1,400 to the Women's Network Travel Grant Fund, \$1,731 to the Larry Ford Fieldwork Scholarship in Cultural Geography, \$600 to the Latina/o American Travel Scholarship, \$225 to the Indigenous Student Travel Scholarship, \$155 to the African Descend Student Travel Scholarship, and \$130 in general contributions. Thanks to the following who contributed to one or more of these funds:

Daniel D. Arreola
Marvin W. Baker
Susan Benjamin
Prof. Charles F. Bennett
Kate A. Berry
Roger Boedecker
William K. Crowley
Robin Datel
Fes de Scally
Dennis J. Dingemans
Valerie L. Dobbs
Janet Dove
Vicki Drake
Casey Durham
Crystal English
Tracey Ferguson
Jan Ford
Barbara E. Fredrich
Dorothy E. Freidel
Kathryn (Katie) Gerber
Barbara Gleghorn
Susan Hardwick
James W. Harrington
Nancy Hultquist
Lucy Jarosz
Christy Jocoy
Tina Kennedy
Earl W. Kersten
William A. Koelsch
David J. Larson
Vicky Lawson

Matthew Lofton
Kenneth Madsen
Sallie Marston
Janice Monk
Genevieve Munsey
Brian Murton
Lise Nelson
Jennifer O'Brien
Doug R. Oetter
Kerri Jean Ormerod
Kiram Pallachulla
L. HoMana Pawiki
John P. Preston
Robert T. Richardson
Michael Schmandt
William Selby
Debra Sharkey
Larry Simón
Everett G. Smith
William W. Speth
Norman R. Stewart
Waldo Tobler
Vienne Vu
James W. Wickes
Tina White
Martha Works
Joanne Scott Wuerker
Hongyan Yang
Ling Zhang

SPECIAL THANKS to Robert and Bobbé for their contribution of \$1,000 to the Geosystems Awards, now in its second year.

In Memoriam

James Shumin Feng, Cupertino, California
1922 – 2012

Edward Mark Walter Gibson, Vancouver, British Columbia
1934 – 2012

Martin Richard Kaatz, Ellensburg, Washington
1924 – 2012

Darrick Rollin Danta, Northridge, California
1955 – 2013

Gary Harlan (Joe) Searl, Eugene, Oregon
1931 – 2013

Gary Joseph Hausladen, Reno, Nevada
1946 – 2013

Each had been a long-time member of the APCG. Our thoughts are with them and their families and friends.

Please click on each individual's name for a link to their obituary.



Photo: Erica Vu (Point Loma)

Membership

Questions about membership should be directed to Bob Richardson at:

Department of Geography
Sacramento State Univ.
Sacramento, CA 95819-6003
phone (916) 278-6410
fax (916) 278-7584
e-mail apcg@csus.edu.

Visit the APCG web site at <http://www.csus.edu/apcg/> for information about the organization and for a new member application form.

APCG member dues, raised starting 2009, are:

Regular \$25,

Student or Retired \$15,

Contributing \$30 or more
(any contribution over \$25 is tax deductible).

A Second (Joint) member may be added to any of these categories for another \$3.

Second (Joint) members receive a ballot but not another copy of the Yearbook.

Dues are paid for the calendar year. Unless indicated otherwise, checks dated before November 1 will be credited to the current year, while those dated after November 1 will be credited to the next year.

Only current year members receive the Yearbook.

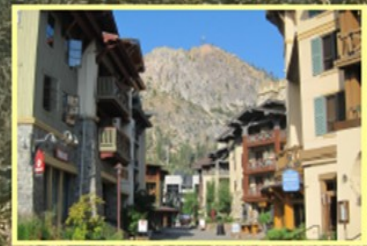
Current members will be sent a membership renewal notice near the end of the calendar year.

The Association of Pacific Coast Geographers, Inc.
Department of Geography
Sacramento State University
Sacramento, CA 95819-6003

APCG 76th

Association of Pacific Coast Geographers Annual Meeting

Tahoe, September 25 - 28, 2013



For more information go to apcgweb.org or contact Michael Schmandt at apcg2013@gmail.com

Click on the links below to visit the APCG!

