College of the Pacific
Year in Review

*News, Events and Accomplishments for the 2012-2013 Academic Year*

In this report, we proudly share the activities, achievements and accomplishments of College of the Pacific faculty and students from the past academic year. Among the many highlights:

- We welcomed a new Dean of The College of the Pacific, Dr. Rena Fraden, in March.
- Our faculty and students were honored with some of the most prestigious national and international awards and fellowships.
- Students took advantage of numerous experiential learning opportunities: mapping exposures of metamorphic rocks in the Sierra Nevada, traveling to China for six weeks of immersion learning, launching a nonprofit to serve southeast Stockton, conducting groundbreaking lab research to create synthetic spider silk—and much more.
- College faculty members published nearly 100 articles, chapters and books, many of them co-authored with colleagues at Pacific and institutions worldwide.
- Faculty participated in 140 presentations, panels and workshops at conferences covering a broad spectrum of disciplines. Presentations were given in 75 cities and 15 countries across 4 continents.
- Among the posters and articles produced by faculty, 36 were co-authored with Pacific undergraduate or graduate students.
- Throughout the year, more than 100 students presented research at regional, national and international conferences in nearly 25 cities across the globe.

**Contents**

**Making News ... 2** Our faculty and students go outside the classroom and make an impact in their fields and in our community.

**Awards and Honors ... 6** Faculty members are recognized with prestigious awards, fellowships, grants and key appointments.

**Student Accolades ... 11** Students earn national fellowships, top scholarships, community service awards and more.

**Happenings ... 15** Educational events, art exhibits, film screenings and performances bring learning to life for students and the community.

**Student Research/Experiential Learning ... 21** Students present research, participate in internships and enhance their education through hands-on, real-world experience.

**Presentations ... 31** Our faculty members present research, chair panels and teach workshops at academic conferences and in the community.

**Published Works ... 40** As experts in their fields, College of the Pacific faculty publish numerous papers, articles and books throughout the year.
MAKING NEWS

Pacific Welcomes New Dean of The College
Rena Fraden, Ph.D., joined Pacific as Dean of the College of the Pacific on March 1. Before coming to The College, Fraden was the dean of the faculty and vice president for academic affairs and the G. Keith Funston Professor of English and American Studies at Trinity College. Dean Fraden holds a B.A., summa cum laude, and Ph.D. in English from Yale University. She is also a member of Phi Beta Kappa. She was a faculty member in the Department of English at Pomona College for 23 years, where she also served as associate dean from 2003 to 2006 and as the chair of the English department from 1999 to 2003.

She joined Trinity College in 2006. A literary historian whose work focuses on cultural institutions, Dean Fraden’s scholarly work ranges from the 1930s WPA arts projects to contemporary theater arts. She is the author of “Imagining Medea: Rhodessa Jones and Theater for Incarcerated Women” and “Blueprints for a Black Federal Theater.” Dean Fraden studied in India in 1998 on a Fulbright Fellowship and was a Fellow at the Center for the Humanities at Wesleyan University in 1990. She has also received grants from the National Endowment for the Humanities.

COP Grad’s Story Offers Hope and Inspiration
Sociology student Gwendolyn Primous ‘13 was featured in two local media outlets—The Record and Sacramento’s CBS 13. Both stories highlighted her personal and hard-fought journey to earning her college degree this past spring and how she is now giving back to her neighborhood. During the spring semester, Gwendolyn founded her own nonprofit, The Dome of Hope, to bring tutoring and mentoring services to south Stockton youth.

Sociology Professor Recognized as Top Emerging Scholar
Ethel Nicdao, Sociology, was one of 12 educators profiled by Diverse: Issues in Higher Education magazine in a special annual issue focused on Emerging Scholars. “Nicdao is another example of the commitment to teaching, research and community service that exemplifies our latest class of scholars,” wrote executive editor David Pluviose. Nicdao’s research centers on health disparities and access and quality and delivery of health care services in low-income rural communities, with particular focus on Asian American populations.

Professor Featured for Innovative Work as Land Artist
Trent Burkett, Visual Arts, was interviewed by Aspen’s local NPR station and featured in an article in the Aspen Daily News on his recent residency with the Artist In Wilderness Workshop. He had a successful project in Aspen as he spent time in remote wilderness near the town of Marble, Colo.

Known for his work as a land artist, Burkett hiked in surrounding areas and took molds of rock formations. He then had these shipped back to his studio, where he will make sculptures that
mirror the texture and shape of the local rocks. While in Colorado, Burkett also took a tour of a mine closed to visitors for the last several years.

The ‘Black, White, and Green’ of Farmers Markets
Alison Alkon, Sociology, was interviewed about her book, *Black, White, and Green: Race, Farmers Markets and the Green Economy*, on “Against the Grain,” a radio program on KPFA-FM in Berkeley. She was also featured in a Huffington Post blog by Fabio Parasecoli: “The Green Economy and Race: Another Side of Farmers’ Markets.”

English Professor Interviewed on Local Station About Book on Austen
Amy Smith, English, participated in a live one-hour television interview with host Kathy Boyd Fellure and author Antoinette May on the program “Authors, Writers, Books, and Beyond.” The program, which regularly airs on station TSPN in Jackson, Calif., promoted the Gold Rush Writers Conference, where Smith lectured in May. She also promoted her book *All Roads Lead to Austen*, a travel memoir about reading groups Smith did on the works of Jane Austen during her travels to six different Latin American countries.

Pacific’s High School Math Competition Receives $160,000 Donation
Pacific received a generous donation to help sustain its annual High School Math Competition and its mission to challenge and enhance the critical thinking and math skills of local high school students. Math Club advisor John Mayberry, Mathematics, worked closely with the parents of a young Stockton man, Avinash Raina, who as a Stagg High School student had exceptional math skills. The parents donated $160,000 to carry on their son’s passion for math by way of Pacific’s math competition. Avinash died of cancer at age 19. The fourth annual competition was held April 13 and hosted by Pacific’s Math Club with Chris Goff, Mathematics, giving the keynote address. Sixty-five students from nine local schools competed in this year’s competition.

Harnessing the Power of Spider Silk
Biology Professor Craig Vierra and his lab were featured in the *Pacific Review* for his ground-breaking research to create synthetic spider silk. Vierra and his undergraduate and graduate students have spent years studying the genetic makeup of silk from black widow spiders, which is five times stronger than steel of the same diameter. A synthetic version of the silk may have potential as a renewable resource in the military, medical and airline industries.
Alumni Play Key Role in ‘Case of the Decade’
Two Pacific alumni, Theodore Olson ’62 and Andy Pugno ’99, faced off before the U.S. Supreme Court in the landmark Proposition 8 same-sex marriage case, Hollingsworth v. Perry. Olson is an alum of The College of the Pacific, and Pugno is an alum of the Pacific McGeorge School of Law. Justice Anthony Kennedy, a McGeorge faculty member, was among the judges to hear the case. A recent study of the Supreme Court and numerous articles—including one in Time magazine—pointed out that the justices and most of the attorneys who present before the nation’s highest court are graduates of prestigious Ivy League schools. Having two attorneys from the same alma mater representing both sides—with neither from an Ivy League school—is extremely rare.

Pacific Speech and Debate Has Another Winning Year
Pacific’s debate team placed in the top tier in all the competitions it participated in this year. Most notably, the team finished 10th in the country following the National Parliamentary Debate Association Championship event on March 25 hosted at Pacific. More than 500 students and coaches from more than 50 schools participated in this national tournament. On March 16, the team of Richard Birlew ’13 and Robert Birlew ’13 competed in the prestigious National Parliamentary Tournament of Excellence, finishing 14th in the nation against 56 of the best teams in the country.

History Department Featured in Natural History Club Newsletter
Pacific’s History department was featured this spring in the National History Club Newsletter—a newsletter that goes out to hundreds of high school history clubs across the U.S. The article touched on the work of History majors John Langdon ’13 and Ignacio Sanchez ’13 to collect oral histories from attendees at the 1962 Monterey Jazz Festival who saw the only live performance of The Real Ambassadors. The histories were collected for the University’s Holt-Atherton Special Collections exhibit. The article also featured the History department and Pacific’s commitment to individualized, student-centered learning.

Expanding Chemistry Learning to Local Students
Last summer, Silvio Rodriguez, Chemistry, led the department’s American Chemical Society (ACS) SEED effort, offering summer research experiences to financially disadvantaged local high school students. Students are recommended by their high school chemistry teachers and must pass a formal interview with the coordinating officer of the ACS for the Northern California region. Students are then paired with a faculty mentor in a specific program and spend a 10-week period in the research lab with their mentor. After the 10-week period, the students submit a formal research report and present at a small symposium in front of ACS officials, the faculty, and their fellow ACS-SEEDlings.

In addition to the ACS-SEED program, the Chemistry department supported the Stockton Unified School District’s Early College Academy for high school students with donations of non-toxic chemicals and liquid nitrogen. The department also loaned the program basic laboratory equipment, such as glass beakers/flasks and balances.

Pacific Class Added to ‘Great Courses’ DVD
A condensed version of the food history class regularly taught by Ken Albala, History, is now available on DVD from the Great Courses Company. It includes 36 episodes covering food history from prehistoric times to the present.
Pacific Alumni Research Inspires New Landscape on Campus
A documentary study by Michael Shea ’12, a John Muir Center Intern, identifying 66 possible species from the Sierra foothills to the Central Valley, was the inspiration for a California Native Plants Area located north of Callison Hall. The area, landscaped and planted by Scott Heaton, Director of Pacific’s Physical Plant, incorporates around 40 species of the plants native to California. Horticulturalist Toby Rose chose the heartiest plants for this unique garden.
AWARDS AND HONORS

Diane Borden, English, received the Distinguished Faculty Award. This prestigious award is given each year to a tenured faculty member for outstanding accomplishment in any or all of the following areas: teaching, research, creative endeavors and service to the University. Borden has been at Pacific since 1971.

Jeffrey Hole, English, received the Stephen E. Corson Award for the Distinguished Teaching of Freshmen. The award is given each year to one faculty member in the College of the Pacific who has distinguished himself or herself in the teaching of freshmen students.

Cynthia Ostberg, Political Science, was honored with the Faye and Alex G. Spanos Distinguished Teaching Award. The award honors faculty members who have completed at least 10 years of teaching in The College and who go beyond teaching in the classroom by advising, directing research, supervising laboratories and mentoring students and new faculty members.

Alan Lenzi, Religious & Classical Studies, was recognized with the United Methodist University Scholar/Teacher of the Year Award. The annual award, given by the General Board of Higher Education and Ministry of The United Methodist Church, honors a faculty member for exceptional teaching, concern for students and colleagues, contributions to scholarly life, and high professional and personal standards.

Dari E. Sylvester, Political Science, was named Interim Director of the Harold S. Jacoby Center for Public Service and Civic Leadership for the year 2013-14. The current director, Bob Benedetti, will retire from Pacific in August.
The Office of Research and Graduate Studies recognized Jerry Tsai, Chemistry, during Pacific’s Research Day event for bringing in more than $1 million in external funding for research since coming to Pacific in 2008. Most recently, Tsai was awarded a four-year NIH grant as a Co-PI on “Nonparametric Bayesian Approaches to Modeling Protein Structure.”

Pacific’s chapter of Phi Beta Kappa, the nation’s oldest honors society, received one of the highest possible rankings from the National Phi Beta Kappa office for its activities and outreach during the 2011-12 year. Fewer than 20 chapters nationwide receive this ranking.

Marie A. Lee, Visual Arts, Graphic Design students Anastasya Uskov ’11 and Joanne Wong ’13, and Jennifer Little, Visual Arts, were awarded a 2013 SEED Honorable Mention Award for Excellence in Public Interest Design for their work on the Kam Minority Heritage Project in Dimen, China, in the summers of 2010 and 2011. Selected by DesignCorps and the SEED (Social Economic Environmental Design) Network®, the awards recognize projects that best incorporate social consciousness, community outreach and sustainability into their designs.

Ken Albala, History, won the prestigious Gourmand World Cookbook award for his textbook Three World Cuisines: Italian, Mexican, Chinese. It was selected as the Best Foreign Cuisine Book in the world for 2012. In addition, Albala passed the Certified Culinary Professional (CCP) exam administered by the International Association of Culinary Professionals. The CCP designation recognizes those who have reached the highest level of culinary achievement.

Ryan Moffet, Chemistry, was awarded a three-year, $261,113 grant by the Department of Energy’s Atmospheric Science Program (DOE ASR) for “Relating the Chemical and Physical Properties of Aerosols to the Water Uptake and Ice Nucleation Potential.” He was also awarded a one-year, $36,000 grant by the DOE ASR for “Effects of Soot Aging and Mixing State on Aerosol Optical Properties Using Microscopy and Detailed Process Modeling, a Subcontract from
Lawrence Berkeley National Laboratory on ‘Sea Salt Aerosols and their Aging During the CARES Campaign.’

Marlin Bates, Pacific Speech and Debate coach, received the Quintilian Award at the Speech and Debate Tournament at Point Loma Nazarene University Jan. 31 - Feb. 4. The award recognizes coaches for their dedication and success and is given only to one coach in all of forensics each year.

George Lewis, Sociology, had his 2005 essay “Dirt Roads and White Lines: Identity and Place in the Country Sound of the Other California” accepted as a resource in Nashville’s Country Music Hall of Fame and Museum’s year-long major exhibit, “The Bakersfield Sound: Buck Owens, Merle Haggard and California Country.”

Monika Meler, Visual Arts, was awarded a fellowship residency at Emmanuel College in Boston. The two-month residency commenced with an exhibit and artist lecture.

Lisa Tromovitch, Theatre Arts, received a 2012 Arts Leadership Award from the Alameda County Board of Supervisors. Award recipients were selected based on their achievements within the arts field and their contributions to the community. Tromovitch was also elected vice president of the Shakespeare Theatre Association (STA) at its annual conference, held at DeSales University in Center Valley, Pa.

Matt Normand, Psychology, and Holly White, Psychology’s Treatment Director of Behavior Services, were awarded a $250,000 First-5 San Joaquin County grant to examine factors related to the treatment of obesity in young children and their families in San Joaquin County. The study is part of a collaboration with the Stockton Unified School District. The grant helps provide community service and involving graduate students in applied research.

Kurt Burmeister, Earth & Environmental Sciences, and his colleagues were awarded the 2013 Geological Society of America/ExxonMobil Field Camp Excellence Award at the Wasatch-Uinta Geological Summer Field Camp, a six-week course designed to prepare students for careers in the geosciences. The $10,000 award will go toward replacing equipment and obtaining new items that will help support the department’s strong safety record. Burmeister was also invited to become a member of the Management Board and Committee Chair in the Structural Geology & Tectonics Division of the Geology Society of America.

Tomomi Kinukawa, History, received a National Endowment for the Humanities Fellowship for Advanced Social Science Research on Japan for 2013-2014. The fellowship will allow Kinukawa to work on a book project “Health Disparities and Immigration Politics in Cold War Era Japan: The Case of Korean Diaspora Communities.” Kinukawa was also selected to take part in the
Beatrice Bain Research Group, Scholars in Residence Program, at the University of California, Berkeley, during the fellowship year.

**Traci Roberts-Camps**, Modern Languages & Literature, received a National Endowment for the Humanities grant to attend a seminar on “Urban Brazilian Narrative” in Sao Paulo, Brazil.

**Kirk Land**, Biological Sciences, and collaborator Stanley L. Marks, BVSc, PhD, Dip ACVIM, Dip ACVN, University of California, Davis, School of Veterinary Medicine, were awarded a $31,300 grant from the Winn Feline Research Foundation.

**Sebastian M. Marotta**, Mathematics, was awarded an Eberhardt grant for the summer research project “Chaotic Dynamics, Fractals and Generalized Fibonacci Sequences. The Final Chapter.” The project involves ongoing research in chaos theory, the mathematical theory to study unpredictable phenomena like weather, the stock market and cardiac fibrillation. The project is a collaboration with researchers from Boston University and Ball State University.

**Merrill Schleier**, Visual Arts, received a SAAG Grant to visit the Frank Lloyd Wright Archives in Scottsdale, Ariz., and Spring Green, Wis., for a book project on “Frank Lloyd Wright and Cinema.” She also received a Pacific Grant for research at three archival collections in Los Angeles for a commissioned chapter on postwar production. The chapter is for an edited anthology on Production Design (forthcoming from Rutgers University Press, 2014).

**Jianhua Ren**, Chemistry, received a user grant from the Molecular Foundry at Lawrence Berkeley National Laboratory (LBNL). The grant allows Ren and her students to conduct research on “Charge effects on the conformations of peptides” at LBNL.

**Paul Turpin**, Communication, received the “Top Book of 2011” award from the Communication Ethics division of the National Communication Association. The award was for his book *The Moral Rhetoric of Political Economy: Justice and Modern Economic Thought*.

**Dennis O. Flynn**, Economics, was named a member of the Advisory Board for the International Big History Association, a newly formed organization that promotes integration of research from the physical sciences, social sciences and humanities.

**Christopher Goff**, Mathematics, was elected Vice Chair of the Golden Section of the Mathematical Association of America (MAA). The Golden Section serves Northern California, Nevada and Hawaii. Pacific hosted the Golden Section’s annual meeting in February.
Caroline T. Schroeder, Religious & Classical Studies, served as a member-at-large board member for the North American Patristics Society Board to its committee on digital scholarship. In addition, Schroeder received the following grants: a National Endowment for the Humanities grant to participate in the NEH Digital Humanities Summer Institute “Working with Text in a Digital Age” at Tufts University; SAAG and Pacific Fund grants to support the research project “Coptic SCRIPTORIUM: a digital database and tools for research in the Coptic language” and a Long General Education Fund Fellowship.

Gregory Rohlf, History, was elected treasurer of the Association for Asian Studies on the Pacific Coast and will serve a three-year term.

Todd Davenport, Physical Therapy, with Chris Snell and Mark Van Ness, Health, Exercise and Sport Sciences, and Staci Stevens, Pacific Fatigue Laboratory, received a 2012 Research Publication Award for their article “Diagnostic Accuracy of Symptoms Characterising Chronic Fatigue Syndrome,” which was published in Disability and Rehabilitation in 2011.


Katie Golsan, Modern Languages & Literature, served on the selection committee for the national Phi Beta Kappa award The Walter J. Jensen Fellowship for French Language, Literature, and Culture.

David Sparkman, Chemistry, received two grants: one from BASF for $85,000 to study the development of new DART experiments; the other from Agilent Technologies for $130,000 for the evaluation of instrumentation.

The research group led by Qinliang Zhao, Chemistry, was awarded two general user grants, which allowed the group to use beamline of X-Ray Diffraction at the Advanced Light Source at the Lawrence Berkeley National Lab, and Microdiffraction beamline at the Advanced Photon Source in Argonne National Lab in Chicago.

Balint Sztaray, Chemistry, received two user grants for beamtime from the Swiss Light Source at the Paul Scherrer Institute in Switzerland. In addition, his proposal with David Osborn of Sandia National Laboratories, “CRF-PEPICO: Combustion Reactions Followed by Photoelectron Photoion Coincidence Spectroscopy,” was chosen for funding in the Visiting Faculty Program of the Department of Energy.

Chemistry department faculty secured nearly $45,000 in Pacific internal activities grants, including grants from Undergraduate Research, Undergraduate Research Summer Fellowship, Pacific SEED, SAAG, Pacific Arts & Lectures, Pacific Fund and CAPD.
STUDENT ACCOLADES

Emma Luther ’13, a Mathematical Economics major, was awarded the prestigious Fulbright Study Grant, which will fund a year of her master’s program while studying in Germany.

Brittany Klemm ’14, Geology, and Sarah Ann Wong ’14, Pre-Dentistry and Biological Sciences, each received Goldwater Scholarships, which are given to the nation’s top mathematics, science and engineering undergraduates.

Sociology student Gwendolyn Primous ’13 was chosen as this year’s Jacoby Award winner for her exceptional community service and academic excellence. She founded a nonprofit, The Dome of Hope, to bring tutoring and mentoring services to South Stockton youth.

Sociology student Caitlin Denton ’15 received the prestigious Boren Fellowship. The fellowship will help fund her studies of the Ghana language, Twi, this summer, as well as a semester of study and research at the University of Ghana in Accra, Ghana. Denton’s research focuses on human trafficking.

Victor Inzunza ’12, English, received the Lawrence Ferlinghetti Fellowship in Poetry at University of San Francisco. The fellowship covers his tuition for an MFA in Creative Writing.

Danielle Procope ’14, majoring in English and Philosophy with minors in Ethnic Studies, Gender Studies and Sociology, was accepted to the Summer Research Opportunities Program (SROP) at both Northwestern University and the University of California, Berkeley. The SROP provides mentorship at major research universities over the summer for promising students considering a career in academia.

Sociology students Naveed Ahmed ’13 and Chad Fraga ’14 won the inaugural Resolution Challenge at the 2013 Clinton Global Initiative University Conference in St. Louis. The fellowship will provide them with funding to launch a new mentoring program in Stockton’s four lowest-performing high schools.

Ana Laura Gonzalez-Coria ’13, a double major in English and Communication and a minor in Ethnic Studies, was accepted into Teach For America and the New York City Teaching Fellows program. She chose the fellowship, which will enable her to complete a master’s degree and pay off her student loans while teaching in New York City.

Shannon Chapman ’14, a double major in Development and Cultural Change and Economics, was Pacific’s first-ever finalist for a Truman Scholarship.

Minh “Mindy” Duong ’09, who studied International Relations and Global Studies, was a finalist for the Pickering Graduate Fellowship in Foreign Affairs.

Chemistry student Angelique Cao Minh ’15 was awarded a Pacific Fund Summer Undergraduate Research Fellowship for her research proposal “Applications of Structurally Modified Cyclam Ligands in Ion Extraction and Stabilization.”
Tracy Larson ’13, a master’s graduate student, was awarded the 2013 Julie Vargas Research Award. This competitive award is presented to a California Association for Behavior Analysis (CalABA) member who has conducted original research in behavior analysis while enrolled as a student and who is not more than one calendar year past graduation.

William Trok ’14, Mathematics, ranked 319th on the William Lowell Putnam Mathematical Competition, an extremely challenging six-hour exam taken by over 4,000 undergraduate students nationwide.

Joy Clark ’14, Theatre Arts, as the Miss California American Coed, competed at the 2013 Miss American Coed Pageant competition, where she earned the following awards: National Miss American Coed Actress, National Miss American Coed Talent, Miss Personality and People’s Choice.

The following students were inducted into prestigious honors societies:

**Phi Beta Kappa**
- Kiel David Batanian*
- Jenna Lee Chaplin
- Nathan Chau
- Fiona Cheng
- Khatijah Corey
- Ashveen S. Dhillon
- Amy Kathleen DuPont
- Maria Yadira Garcia*
- Sarah A. George
- Eugenia A. Hernandez
- Yifeng Li
- Maria Nattestad*
- Elise Poirier
- Sarah Anne Wong
- Susana Yanez

* Initiated last year but graduated this year

The chapter also inducted Pacific graduate Terry Maple, Psychology ’68, as this year’s alumnus member. Maple is a world-renowned animal welfare specialist.

**Alpha Sigma Lambda**
- Eugenia Hernandez
- John Langdon
- Veronica Lerma
- Scott Lusher

**Phi Kappa Phi**
- Robert James Aitken
- Tanairi Alcaraz
- Tya Allred
Chynna Brittany Andeola
Jeffrey Asano
Aaron Y. Au
Carolina Barreto
Lynette M. Barrington
Sheryl Beverett
Joy Desiree Clark
Amir Ali Cruz-Khalili
Ashveen S. Dhillon
Danielle Faith Finnick
Lauren Ashley Genung
Sarah George
Francisco Gonzalez
Emily B. Grant
Eugenia A. Hernandez
Taylor Marie Hitt
Sunjae Jung
Jennifer E. Kim
Eric C. Koester
Rehana J. Lerandeau
Veronica M. Lerma
Scott Phillip Lusher
Curran McCauley
Kamille Serranzana Mercado
Airianna Murray
Demi Pham
Katherine Gloria Ross
Dulce G. Saenz
Kyle Nikko Sasai
Melissa Jean Thomas
Chun-Jing Wu
Susana Yanez

Alpha Kappa Delta (International Sociology Honor Society)
Tya Allred
Mekleet Aytenfsu
Chad Fraga
Veronica Lerma
Katherine Perales
Gwendolyn Primous

Omicron Delta Epsilon (International Economics Honor Society)
Malena Prlain
Christine Cao
Biyan Feng
Sophie Hoang
Joshua Tai
Matthew Hayes
Matthew Bodensteiner Muller
Marina Ota
Sunjae Jung
Callahan Burnell
Anita Wang
HAPPENINGS

Pacific Hosts Inaugural Creative Writing Conference
Pacific faculty members were at the center of the university’s inaugural Creative Writing Conference in June. Ken Alibala, History, visiting professor Patti McCarthy, English, and Scott Evans, Gladys L. Benerd School of Education, joined an impressive list of presenters that included authors, anchors and journalists from throughout Northern California. The interactive workshops and presentations covered all aspects and genres of creative writing, from brainstorming techniques to writing to submitting work for publication. The conference was a collaboration between the Gladys L. Benerd School of Education, the Center for Professional and Continuing Education and The College’s Department of English.

Visual Arts Faculty Work ‘Brought to Light’
Dan Kasser, Visual Arts, had his photographic work exhibited at the Crocker Art Museum in Sacramento as part of “Brought to Light: Masterworks of Photography from the Crocker Art Museum.”

Going Beyond Printmaking
Monika Meler, Visual Arts, had her work included in the following juried exhibits: “Beyond Printmaking 3,” at Texas Tech’s Landmark Art Gallery; “Where is Printmaking? In Search of New Meanings,” at the Contemporary Art Gallery in Opole, Poland; and “Making Connections,” at the Brook Stevens Gallery of the Milwaukee Institute of Art and Design.

Staged Reading Highlights Plight of Proposition 8
The Gender Studies Program, Humanities Center, Phi Beta Kappa, Department of Theatre Arts, and Student Life co-sponsored a staged reading of Dustin Lance Black’s play “8” on April 8. Directed by Macelle Mahala, Theatre Arts, the reading chronicled the constitutional challenges to California’s Proposition 8. The performance featured a 17-person cast of current and former Pacific students, faculty, staff and community members.

California Assemblywoman Susan Talamantes Eggman made a special guest appearance, performing the role of a witness for the prosecution. Donations were collected at the event for the Pacific Pride Resource Center.

Panelists Discuss ‘The Gospel of Jesus’ Wife’
Professors Carrie Schroeder and George Randels, Religious & Classical Studies, Pacific Chaplain Joel Lohr and Anthony Le Donne, visiting scholar, Religious & Classical Studies, participated in the panel discussion “The Gospel of Jesus’ Wife” Dec. 5 on the Pacific campus. Panelists provided context around a Harvard researcher’s discovery of a controversial papyrus suggesting Jesus had a wife. Nearly 150 students, faculty and community members attended the discussion, which was followed by a lively Q&A session.
The Theatre Arts department also hosted dance performances, including *The Holiday Follies With a Visit to the Home of the Sugar Plum Fairy* and the spring Dance Ensemble performance.

**Pacific Faculty and Students Shine at Shakespeare Festival**
This summer, several Theatre Arts faculty and students directed and performed at the Livermore Shakespeare Festival June 20 – July 21. *The Liar* by David Ives, adapted from the comedy by Pierre Corneille, was directed by Professor Lisa Tromovitch, while Shakespeare’s *The Taming of the Shrew* was directed by Professor Gary Armagnac. Professor Emeritus William Wolak, alum Mary Fielding and current student Alex DiPeppe ’15 were in the cast of *Shrew*. Professor Randall Enlow designed sets for both shows.

**Artwork Showcased from California to Europe**
Jill Vasileff, Visual Arts, had a solo exhibition, *Around the Day in Eighty Worlds*, at FARM Project Space in Wellfleet, Mass. Her work was also shown in several group exhibitions, including *Beauty, It’s Not Pretty* at The Grand Center for the Arts, Tracy, Calif.; *Beyond Landscape* at the Marin Community Foundation, Novato, Calif.; *Making Room* at The Institute Library, Hartford, Conn.; *Manic Episode 3* at the Hamburg Rathaus & Dosenfabrik, Hamburg, Germany; and *Art Réductif* at Galerie Hang’Art in Grenoble, France.

In 2013 she will have new work in *Pins & Needles* at the Housatonic Museum of Art, Bridgeport, Conn.; *Why Not* at the International Biennale of Non-Objective Art, Pont de Claiix, France; *Punchline* at The Institute Library, Hartford, Conn.; and *Maniac Rebels* at T.A.S. in Groningen, Netherlands.

**The Magic of Chemistry**
Balint Sztaray and Liang Xue, Chemistry, sparked young students’ interest in science as they demonstrated experiments that exploded and changed color during the third annual Christmas Faraday Lecture in December 2012. This Pacific holiday event honors a tradition started at the Royal Institution of Great Britain in 1825.
Telling Stories, Building Bridges
Stockton native Halima Lucas ‘13 screened her short documentary film, “Building Bridges,” on March 28 in the Vereschagin Alumni House. Lucas is a Communication major with minors in Ethnic Studies and Film Studies, and her documentary grew out of her research into issues facing youth in Stockton’s large Cambodian-American population. A Pacific Fund Summer Fellowship made her film possible. Lucas, who graduated in May, will attend the USC School of Cinematic Arts to pursue her master’s degree in Film.

Science Author Explains the Teenage Brain
Science author and journalist David Dobbs spoke on “How Genes & Culture Shape Us & We Them” on March 25. His lecture, sponsored by the Pacific Arts & Lectures Committee, focused on brain development and how it relates to the teenage years. Dobbs writes features and essays on science and culture for The Atlantic, The New York Times Magazine, National Geographic, Wired, the Guardian and other publications. Several of his stories have been chosen for leading anthologies, including “Beautiful Brains,” about adolescents, which was published in National Geographic and selected for both Ecco’s The Best American Science Writing 2012 and Mariner’s The Best American Science and Nature Writing 2012.

Pacific Merges Health and Civics on Election Day
Pacific brought together health and civic responsibility with its Election Day Health Fair. The afternoon health fair, which was in the same location as polling booths, was followed by a community viewing of the national election returns as they were reported. Students presented research on their predictions for the evening, and faculty from the Political Science department provided running commentary. “Unfortunately, voter participation in the United States has traditionally been significantly lower than in most other countries around the world,” said Keith Smith, Political Science. “Political science has demonstrated that when we make voting a social event, people are more likely to participate.”

Latino Heritage Month Features Author and Alum
Matt de la Peña ‘96, author, creative writing instructor, Pacific alum and Tiger basketball player, headlined this year’s Latino Heritage Month celebration. Other presenters included accomplished Xicana filmmaker Aurora Guerrero, regarded for creating art forms that offer opportunities for dialogue and education. As an extension of the event, the Latino Heritage planning committee and Pacific students donated more than 1,000 of de la Peña’s books to students in the Stockton Unified School District.

Pacific Speech and Debate Hosts Two Days of Debates, Thanks to Major Sponsor
The San Joaquin Railroad Commission gave nearly $75,000 in sponsorship funds to Pacific’s annual Pat Kennedy Round-Robin tournament, held in November 2012. In return, all of the debate topics focused on transportation issues, with an emphasis on high-speed rail. The tournament was part of the “Pacific Meets the Delta Swing” event—a fusion of the Kennedy competition and the Paul Winters Invitation debate tournament and Mustang Invitational, which ran Nov. 2-4 on Pacific’s Stockton Campus and at San Joaquin Delta College.
Chinese Professors Study Communication at Pacific
Approximately two-dozen professors from Communication University of China visited Pacific’s Stockton campus Sept. 24 to Oct. 3 to learn more about Communication studies in the U.S. The group was here as part of the Pacific American Communication Institute, which is headed by Communication department Chair Qingwen Dong and Communication professors Jon Schamber and Alan Ray. During the visit, the Chinese scholars met individually with Pacific’s Communication professors to learn about their current research. They also visited local media newsrooms, Silicon Valley technology companies and several Communication classes.

Documentarians Discuss Award-Winning Film About Mayan Culture
Eric Black and Frauke Sandig, two Berlin-based filmmakers, screened their award-winning documentary, “Heart of Sky, Heart of Earth,” at Pacific in October. They also answered questions after the showing. The movie follows six young Mayans from Guatemala and Chiapas as they go through their daily rituals. The Mayan protagonists narrate the film in both Spanish and their native Mayan language, revealing personal stories about the gap between Mayan spiritual beliefs and modern life. The film premiered at the 2012 Mill Valley International Film Festival and won first prize in the International Film Festival of Human Rights in Bolivia.

An Afternoon with an Activist
Students in Pacific’s “Intro to Ethnic Studies” class enjoyed a visit in February from Sephira Shuttlesworth, who shared stories about her late husband, the Rev. Fred Shuttlesworth. Rev. Shuttlesworth was a leader in the civil rights movement alongside his close colleague, Dr. Martin Luther King Jr. Mrs. Shuttlesworth spoke about her husband’s struggles in the 1950s and ‘60s, as well as her own experiences as one of the first blacks to attend a previously segregated school in Tennessee. She encouraged students of all colors to continue the ongoing struggle for racial equality and justice. “Intro to Ethnic Studies” is taught by Xiaojing Zhou, an English professor in The College and director of Pacific’s Ethnic Studies Program.

Award-winning Poet Performs Reading
Nathaniel Mackey, an award-winning poet and Duke University professor, gave a poetry reading Feb. 28 as part of Pacific’s Black History Month celebration. Mackey’s work combines African mythology, African American musical traditions and Modernism. In addition to the reading, Mackey gave classroom lectures in English 161 and English 113. The event was sponsored by Pacific Arts & Lectures, The College of the Pacific Dean’s Office, Department of Ethnic Studies, English Department, the Ethnic Studies Club and other Pacific organizations.

Colliver Lecturer Explores Religious Diversity from Buddhist Perspective
This fall’s Colliver Lecture Series featured Rita Gross, a retired Religious Studies professor at the University of Wisconsin Eau Claire. During the Oct. 9 lecture at Pacific, Gross discussed “Religious Diversity – What’s the Problem? Buddhist Advice for Flourishing with Religious Diversity.” A prolific author and practicing Buddhist, she teaches “Dharma,” the concept that there is a natural order of things that can lead to a natural harmony. The Colliver Lecture Series was established in 1957 to honor the memory of George Colliver, a former Religious Studies professor at Pacific.

‘The Courage to Remember’ Offers Lessons from the Holocaust
“The Courage to Remember” Holocaust exhibit, featuring 200 Holocaust photos, was held at Pacific’s Jeannette Powell Art Center’s Reynolds Gallery in August and September. The free
exhibit called attention to the dangerous and destructive impacts of ignorance, hate and intolerance. The traveling exhibit is based on the internationally acclaimed “Courage to Remember” Holocaust exhibit of the Museum of Tolerance, the educational arm of the Simon Wiesenthal Center.

**A Tribute to Joan of Arc**
The university’s Joan of Arc Festival celebrated the 600th anniversary of the birth of Joan of Arc with theatrical performances, music, student research and more. History Professor Gesine Gerhard, director of the Gender Studies Program, organized the event, which featured Theatre Arts students reading selected scenes from “The Trial of Joan of Arc at Rouen,” adapted by Bertolt Brecht from the radio play by Anna Seghers. Macelle Mahala, Theatre Arts, directed the performance. The festival also featured Pacific’s Symphony Orchestra and a one-day Gender and War Student Research Conference, which showcased nationally submitted student research on the topics of Joan of Arc, gender and the parallels that exist in modern conflict. Victor Inzunza ‘12, English, was one of the conference’s keynote speakers.

**Pacific Math Club Hosts Junior Mathletes**
Sixty junior mathletes visited Pacific’s campus to take part in math activities and a campus tour. The Junior Mathletes program was created by Pacific alum Lori Green for Lincoln Unified Elementary School students. Activities were led by Pacific students and included lessons in mathematical origami and a power quiz.

**Grant Funds Visiting Scholar in Behavioral Pharmacology**
This past fall, the Psychology department hosted a visiting scholar, Kenneth Silverman, professor of the Behavioral Pharmacology Research Unit at The Johns Hopkins University. Silverman came for two days, pro bono, with his expenses covered by the Pacific Fund Grant awarded to Matt Normand, Psychology, and Holly White, Psychology’s Treatment Director of Behavior Services, specifically to host visiting scholar events.

**Phi Beta Kappa Hosts Visiting Chemistry Scholar**
Sarah Keller, professor of Chemistry at the University of Washington, was a visiting scholar this year. She gave lectures to undergraduate classes in Chemistry, delivered a research paper in the Chemistry colloquium series, hosted a public Q&A with undergraduates across the natural sciences, and delivered a public lecture “Using Freshman Physics and Chemistry to Understand Some of Our 21st Century Energy Options.”

**Muir Center Hosts Best-Selling Author, Film Festival**
Muir Center partnered with Phi Beta Kappa and the University Library to sponsor New York Times best-selling author Andrea Wulf, author of three important studies on the history of science including most recently, Chasing Venus: The Race to Measure the Heavens. She spoke on “Founding Gardeners: How the Revolutionary Generation Created an American Eden.”

Muir Center also partnered with Sustaining Pacific to present the Wild & Scenic Film Festival in April, which featured 13 short environmental films. Co-partners from the community included Friends of the Lower Calaveras River, Sierra Club Delta-Sierra Group, Stockton Earth Day Festival, and Boggs Tract Community Farm. A larger film festival is planned for 2014.
College Faculty Learn New Pedagogical Methods
The Humanities Center sponsored four faculty members to attend the Digital Humanities Summer Institute in Victoria, British Columbia, Canada, for faculty development in new pedagogical methods. Martin Camps, Modern Languages & Literature, Cosana Eram, Modern Languages & Literature, George Randels, Religious & Classical Studies, and Caroline T. Schroeder, Religious & Classical Studies, attended. Randels created a mobile app linked to his biomedical ethics textbook. Eram and Schroeder participated in a seminar on the fundamentals of digital pedagogy, and Camps explored applications for augmented reality and book studies in a digital context. The Humanities Center received support from the Dean of The College, the Center for Teaching and Learning, a CAPD grant, and a Pacific Fund grant to make this possible. The Center plans a series of events in 2013-14 on the Humanities and new technologies.

Political Science Sponsors Congressional Debates
The Political Science department joined with the League of Women Voters to co-sponsor the only debate between congressional candidates Jerry McNerney (D) and Ricky Gill (R) in the Congressional District 9 contest. Over 600 people attended the Oct. 15 debate on the Stockton campus, and it received considerable local and national media coverage, with multiple media outlets streaming it live. Political Science also co-sponsored a debate between California Assembly candidates Susan Eggman (D) and Jeffrey Jafri (R) at the same event. Robert Benedetti and Keith Smith, Political Science, participated as panelists at the debates.

Pope John XXIII Lecture Examines Catholic Literature and Contemporary Culture
After a four-year hiatus, the Pope John XXIII Lecture returned to the Pacific campus Nov. 5 with a visit from Dr. Mary R. Reichardt, an author and well-known scholar at the University of St. Thomas. Reichardt spoke on “Always Ancient, Always New: Catholic Literature and Contemporary Culture.” The lecture series, which focuses on contemporary questions from a Catholic perspective, was co-sponsored by the Departments of Philosophy, Political Science, and Religious & Classical Studies. The series is named after Pope John XXIII (1958-1963) because of his belief that the Catholic Church’s message could contribute to rational discourse about practical approaches to current social issues.
STUDENT RESEARCH / EXPERIENTIAL LEARNING

BIOLOGICAL SCIENCES

Nadia Shaheen ’13, Biological Sciences, an undergraduate researcher in the lab of Joan and Geoff Lin-Cereghino, Biological Sciences, received a “Best Poster” Award at the West Coast Biological Science Undergraduate Research Conference in San Diego for her research on the production of spider silk protein in the yeast Pichia pastoris. Shaheen’s research was supported by a National Science Foundation grant to principal investigator Craig Vierra, Biological Sciences, and co-principal investigators professors Lin-Cereghino and by a Powell Scholars Fellowship. Co-author on the poster was Pachai Moua ‘14.

Aaron Au ’13 and Steven An ’13, undergraduate researchers in the lab of Kirk Land, Biological Sciences, earned an “Outstanding Student Poster” Award at the General Meeting of the American Society for Microbiology in San Francisco for their studies on nucleoside analogs as inhibitors of sexually-transmitted, human protozoal pathogen Trichomonas vaginalis.

CHEMISTRY

Archana Chavan ’13 was awarded a sponsorship from the International Union of Crystallography to present her poster “Amino Acid Structural Code Applied to Protein Structure Prediction and Design” with Jerry Tsai, Chemistry, at the International Conference on Biomolecular Forms and Functions in Bangalore, India, where she earned best poster honors.

Sampada Borkar ’13, PCSP graduate student, was chosen by Elsevier as the Best Student Paper of 2012 in the International Journal of Mass Spectrometry. Borkar earned a cash prize, conference travel award and subscription to the Journal. Her paper was titled “Dissociating C3H5Br+ Ions: Almost All Roads Lead to the Allyl Cation” and was co-authored by Bálint Sztáray, Chemistry, and Andras Bodi.

The following Chemistry undergraduate and graduate students, as well as faculty, presented their research at the 2013 Conference on Ion Chemistry and Mass Spectrometry in Lake Arrowhead in January:

• Patrick Batoon ‘13, PCSP graduate student, presented the poster “Proton affinity of oligopeptides containing natural and unnatural amino acids,” co-authored by Robert Harper ’07. Research advisor: Jianhua Ren.

• Sampada Borkar ’13, PCSP graduate student, presented the poster “Multiplexed Photoionization Mass Spectrometry Investigation of the O(3P) + Propyne Reaction,” co-authored by John Savee, Oliver Welz, Craig Taatjes and David Osborn from Sandia
National Laboratories. Borkar was also the recipient of the 2012 College of the Pacific Dean’s Travel Award. Research advisor: Bálint Sztáray.

• **Bhupinder Padda ‘13** presented the poster “Computational studies of the gas phase acidity and proton affinity of organic compounds,” co-authored by Christine Hughey from James Madison University. Padda was also the recipient of the 2012 Fred & Marguerite Early Undergraduate Research Award and received a Pacific Fund undergraduate travel award. Research advisor: Jianhua Ren.

• **Tyson Rowland ‘12**, PCSP graduate student, authored the poster “Metal-Cyclopentadienyl Bond Energies in Metallocene Cations Measured Using Threshold Collision-Induced Dissociation Mass Spectrometry,” co-authored by Peter Armentrout from University of Utah and presented by his research advisor, Bálint Sztáray.

Chemistry faculty and students presented the following research at the 245th American Chemical Society National Meeting and Exposition in New Orleans, La., which was attended by more than 10,000 scientists from the U.S. and abroad:

• **Manali Aggrawal ‘13** and **Liang Xue**, Chemistry, presented the poster “Modified adenosines affect the conformation and stability of G-quadruplex DNA.”

• **Irina Dotsenko ‘14** and **Vyacheslav V. Samoshin**, Chemistry, presented a poster “Convenient synthesis of 1,3-dithiolane-2-thiones.” Dotsenko also presented two posters: “Green Suzuki-Miyaura cross-coupling for the synthesis of chiral biaryls” and “Domino’ reactions in the condensation of ortho-lithiated (1S)-N,N-dimethyl-1-phenylethanamines with carbonic acid esters,” co-authored with colleagues from Moscow State University, Russia.

• **Ilona Serebnitskaya ‘13** and **Andreas Franz**, Chemistry, presented the poster “Long-range NMR 1H,13C-coupling and conformational analysis of polyphenolic glycosides.”

• **Qinliang Zhao**, Chemistry, presented “Activation of C-F Bonds through Secondary Interaction.”

• **Qinliang Zhao**, Chemistry, and graduate student **Yi-Ju Tsai ‘13** presented the poster “Synthesis, Characterization and Reactivities of Magnesium and Zinc Complexes Supported by Formamidinates.”

Two Chemistry students presented posters at the Southern California Conference for Undergraduate Research (SCCUR) at California State University, Channel Islands. Both students received a travel award to attend:

• **Angelique Cao Minh ‘15** presented a poster “The Search of Selective Ion-Extraction Material: Metallation and Derivatization of Cyclam.” The poster was co-authored by Pre-Pharmacy student **Vickie Nguyen ‘13** and Qinliang Zhao, Chemistry.
• Noemi Santiago ‘13 presented a poster “Design and Synthesis of Water Soluble Ligands in Exploring Biphasic Catalysts.” The poster was co-authored by Angel Orozco. Qinliang Zhao, Chemistry, was the faculty mentor.

COMMUNICATION

Three Communication students presented research papers at the Western States Communication Association Conference in Reno, Nev., in February:

• Samantha Langlois ‘13 presented a paper “Media, Gender and Self-Image.”

• Chelsea King ‘14 presented “Text Messaging While Driving.”

• Sarah Layne ‘13 presented “Toddlers and Tiaras: Glitz and Grade School.”

Four Communication students presented their papers at the Bay Area Undergraduate Communication Research Conference, held at San Jose State University in April:

• Viviana Castellanos ‘14 presented “The effects of technological advances on social interaction.”

• Nicole McCullough ‘13 presented “Facebook’s effect on self-esteem.”

• Rita Huang ‘15 presented “The effects of in-class texting on academic performance.”

• Cortney Ceccato ‘14 presented “The effects of non-verbal behavior between professors and students.”

EARTH & ENVIRONMENTAL SCIENCES

Geology majors Brittany Klemm ‘14 and Christina Colburn ‘13 spent a weekend with Kurt Burmeister, Earth & Environmental Sciences, and members of the Japanese Granite Study Group examining the petrogenesis of granitic plutons in the Donner Pass area of the Northern Sierra Nevada, just west of Donner Lake. Klemm was also awarded a Pacific Fund Undergraduate Summer Research Fellowship, which funded her mapping expedition with Burmeister to the Sierra Nevada, where they examined exposures of Jurassic metamorphic rocks and Cretaceous granite near Mount Tallac.

In addition, Earth & Environmental Sciences students took a four-day class field trip as part of the Spring 2013 Geology of California class, taught by Kurt Burmeister. The trip headed south from the Sierra Nevada to Mono Lake, Long Valley Caldera and Owens Valley, and then on to the vicinity of Death Valley National Park, where students investigated sand dunes, Precambrian rocks and trilobite fossils.
The class also visited the California State University Research Station in the Mojave Desert. Ty Raterman, Philosophy, contributed guest lectures and helped plan the trip.

Kurt Burmeister, Earth & Environmental Sciences, enlisted Cheryl Sloup and Sean McNally, Budget & Risk Management Office, to launch a new set of defensive driver training exercises in the “Geologic Field Methods” (GEOS 161) class. Students received the driving-related portions of ExxonMobil’s Field Safety Leadership Course and the field trip driving safety protocol that Burmeister developed for the Wasatch-Uinta Summer Field course.

ECONOMICS

Sharmila King and Simge Tarhan, Economics, coached students to participate in a Federal Open Market Committee (FOMC) simulation at the San Francisco Federal Reserve in November. The FOMC sets interest rates and monetary policy for the U.S. The Pacific team included Economics students Nathan Chau ’14, Derek Chu ’13, Adam Falcon ’14, Callahan Burnell ‘13, Jose Cuellar ’14, Cody Rommel ’13 and Anita Wang ’13.

HEALTH, EXERCISE & SPORT SCIENCES

Sport Management students RJ Aitken ’13, Collin Grant ’13, Curran McCauley ’13 and James Roberts ’13 finished fourth in the national case study competition held by the College Sport Research Institute in Chapel Hill, N.C.

HISTORY

History student John Langdon ’13 won first prize for the best undergraduate research paper at the Northern California Regional Meeting of Phi Alpha Theta, the national history honor society. His paper was titled “Iola Brubeck: Social Justice Advocacy through Jazz and Sacred Choral Music.”

Langdon and fellow History major Ignacio Sanchez ’13 also participated in a unique project this past fall. They roamed the 2012 Monterey Jazz Festival, digital recorders in hand, collecting oral histories from festival-goers who had attended the live performance at the 1962 Monterey Jazz Festival of The RealAmbassadors – a jazz musical that underscored the absurdity of segregation and was performed live only once at the 1962 festival. The creation of Dave and Iola Brubeck, The Real Ambassadors music project made the case that artists such as Louis Armstrong are the best and “real” ambassadors to demonstrate a nation’s ideals. The research done by Langdon and Sanchez added to a deeper understanding of that seminal performance since no recording was made of it. The oral histories contributed to a larger exhibition by the University’s Holt-Atherton Special Collections, which presented a complete exhibit on The Real Ambassadors covering the social justice, musical and international diplomacy aspects.
MATHEMATICS

Austin Tuttle ’14, Mathematics, presented his work on “Pandemic Proliferation at Pacific” during a poster session at the Joint Mathematical Meetings in San Diego. This poster summarized work completed under a Pacific Undergraduate Research Fellowship with advisor John Mayberry, Mathematics.

MODERN LANGUAGES & LITERATURE

Fourteen Pacific students shared the learning experience of a lifetime during the University’s first immersion trip to China last summer. During the six-week trip—led by professors Jie Lu, Modern Languages & Literature, The College, and Phil Zhu, Finance, The Eberhardt School of Business—students experienced the country’s culture and history, climbing the Great Wall of China, standing in legendary Tiananmen Square and seeing the Temple of Heaven.

Students saw firsthand the outgrowth of China’s industrial revolution, visiting multinational corporations such as General Motors Shanghai and Bao Steel. They also got a glimpse of the country’s burgeoning small businesses and entrepreneurship through visits to a dairy plant, winery, green tech village and organic farm. A second trip was planned for this summer.

The annual Italy Summer Immersion Program also took place last summer. Traci Roberts-Camps, Modern Languages & Literature, led the trip, which took students to Assisi, Italy, for six weeks.

PSYCHOLOGY

Psychology faculty and students presented the following papers and posters at the 39th Annual Meeting of the Association for Behavior Analysis, International, in Minneapolis:

• Tracy Larson ’13, Allison Morley ’12 and Bryon Miller ’13, along with Matt Normand, Psychology, presented their paper “A functional analysis of moderate-to-vigorous physical activity in young children.”

• Allison Morley ’12, Matt Normand, Psychology, and Tracy Larson ’13 presented their paper “Considerations for descriptive analyses of physical activity.”

Psychology faculty and students presented research at the 31st Annual Meeting of the California Association for Behavior Analysis in Garden Grove, Calif., in February:


• Allison Morley ‘12, Matt Normand, Psychology, and Tracy Larson ‘13 presented “Considerations for descriptive analyses of physical activity.”

• Tracy Larson ‘13, Matt Normand, Psychology, Allison Morley ‘12 and Bryon Miller ‘13 presented “A functional analysis of moderate-to-vigorous physical activity in young children.” They also presented the paper at the 32nd Annual Meeting of the Florida Association for Behavior Analysis in Jacksonville, Fla., in September.

• Nicole Schultz ‘13, Carolyn Kohn, Psychology, and Julia Valentín ‘15 presented “Energy consumption: Reduced, reused, but will it be remembered?” E. Kelly Rush ‘13 assisted with the research on the project.

Psychology faculty and students presented several posters at the 93rd Annual Convention of the Western Psychological Association in Reno, Nev., in April:

• Nicole Schultz ‘13, Emily Metz ‘13, Katie Uhlhorn ‘13, Elise Martin ‘14, Valerie Segura ‘13, Lauren Genung ‘13, Samantha Russell, Tyler Nighbor ‘14 and Carolyn Kohn, Psychology, presented “Assessing free-pours: If you show it, will they know it?”

• Valerie Segura ‘13, Nicole Schultz ‘13, Tyler Nighbor ‘14 and Carolyn Kohn, Psychology, presented “Compensatory responses, or something else altogether?”


group instruction vs. Structured feedback” and “Evaluation of structured parent training package for time out.”

• Patricia Quan ‘13, Lubna Skafi ‘13, Diana Lujano ‘13, Bertha Muro Mora ‘13, Matthew Edwards ‘13 and Scott Jensen, Psychology, presented “Inter-observer agreement (IOA): An evaluation of observer training procedures.”

Nicole Schultz ‘13, Emily Metz ‘13 and Heather Dunn Carlton, Judicial Affairs Office, and Carolyn Kohn, Psychology, presented the poster “Means may be meaningless when assessing standard drink knowledge” at the 34th Annual Meeting of the Society of Behavioral Medicine in San Francisco.

Valerie Segura ‘13, Rutvi Patel ‘14, Nicole Schultz ‘13, Michael Machado ‘11 and Carolyn Kohn, Psychology, presented their poster “Compensatory responses, or something else altogether?” at the 34th Annual Meeting of the Society of Behavioral Medicine in San Francisco.

Elizabeth Herrera ‘14, Alexis Touros ‘14, Megan Doerr ‘13, Matthew Edwards ‘13 and Scott Jensen, Psychology, presented their poster “Large group effects don’t mean they all got better: Discrepancies between statistical and individual analyses of change in PSI scores among parents in a BPT program” at the Association for Behavioral and Cognitive Therapies (ABCT) conference in National Harbor, Md., in November.

SOCILOGY

Sociology undergraduate students presented their research during undergraduate roundtables and poster sessions at the Pacific Sociological Association conference in Reno, Nev., in March. Alison Hope Alkon and Ethel Nicdao, Sociology, were faculty mentors/advisors.

• Chad Fraga ‘14 and Naveed Ahmed ‘13 presented “Stockton’s Mirror: Stockton Investigates Their Own Why.”

• Rosa Montes ‘13 and Jacqueline Preciado ‘13 presented “Gender Roles: Gender Division within Japanese Internment Relocation Camps.”

• Iliana Carranza ‘13 presented “Japanese-American Families’ Adjustment to Relocation Centers: Letters from Children of the Camps.”


• Tya Allred ‘13 presented a sociological commentary on “Japanese Values to Overcome an American Injustice: Japanese Internment in the United States 1941-1943.”

• Mekleet Aytenfsu ‘13 presented the poster “The Black Man Can Be The Rich Man.”
Sociology undergraduate students presented their research at the 40th Annual Western Undergraduate Research Conference at Santa Clara University. Ethel Nicdao, Sociology, served as faculty mentor/advisor.

- **Katelyn Docherty ’15** presented “A Literary Review on the Effect of Socio-Economic Status on Childhood Obesity in the United States.”

- **Alixandria Henley ’13** and **Deyanire Del Toro ’14** presented “The Influences of Television and Movies on Masculinity: The Development of Eating Disorders Among Men.”

- **Brenda Cordero ’15** presented “Observing Potential Uses of Community Resources Towards the Promotion of Racial Integration within Chevy Chase, Md.”

**THEATRE ARTS**

Theatre Arts students **Matt Banes ’15, Joy Clark ’14, Tricia Vang ’13** and **Katie Woerner ’14** were nominated to the Irene Ryan Scholarship Competition in acting at the Kennedy Center American College Theatre Festival. Student scene partners who attended the week-long February conference, held at American River College, included **Ryan Gonzalez ’14** and **Susie Pollard ’16**.

**VISUAL ARTS**

Graphic Design student **Sheng Moua ’14** was the winning artist in Borra Vineyards’ Artist Series design contest. The competition was created by **Michael Leonard**, visiting Visual Arts professor, with the vineyard, and it was part of his fall 2012 illustration course. Students submitted label design ideas for Borra Vineyard’s newest Lodi vintage wine blend, which is being exported to Sweden. Moua’s label was used for the new wine, and she received a $300 prize from the company. The intention is for this collaboration to continue each year.
PACIFIC UNDERGRADUATE RESEARCH & CREATIVITY CONFERENCE

More than 120 students from The College participated in the 13th annual Pacific Undergraduate Research & Creativity Conference in April. Students presented research posters, screened original documentary films and staged theatrical performances. During the conference, 17 Visual Arts seniors exhibited their work in the Reynolds Gallery in the Senior Art & Design Show, and four juniors showcased work in the Junior Art Show. The exhibits were open to the public.

NATIONAL CONFERENCE ON UNDERGRADUATE RESEARCH (NCUR)

Director of Undergraduate Research Lydia Fox accompanied Pacific students who presented research at the National Conference on Undergraduate Research (NCUR), held at the University of Wisconsin, La Crosse.

- Tanairi Alcaraz ’14 presented “Terrorism: Power Assertion and Resistance to Power in Late 1800s Slave Narratives.” Sponsoring faculty member: Jeffrey Hole.
- Kelsey Belomy ’13 presented “Patriarchy, Misogyny, and Orientalism in Delacroix’s The Massacre of Scio.” Sponsoring faculty member: Merrill Schleier.
- Ashveen Dhillon ’13 presented “Economy, Law, and the Threat of Intelligence in Moby Dick and Benito Cereno.” Sponsoring faculty member: Jeffrey Hole.
- Dale Dong ’16 presented “The Impact of Social Media Dependency, Self-esteem and Academic Performance on Online Health Information Seeking.” Sponsoring faculty member: Qingwen Dong.
- Jessica Fong ’13 presented “Sally Mann and Proud Flesh: The Death and Rebirth of Masculinity Through the Photographic Process.” Sponsoring faculty member: Merrill Schleier.
- Danielle Procope ’14 presented “Reclaiming Our Humanity: Neo-Slave Narratives Written by Black Women.” Sponsoring faculty member: Cynthia Dobbs.
- Angelina Seals ’13 presented “Douglas: The Politics of Identity Amidst A Figure of Terror.” Sponsoring faculty member: Jeffrey Hole.

• Amelia Watson ’14 presented “New Examples of Amine-Induced Reversal of Diastereoselectivity during Acylation of trans-1,2-Substituted Cyclohexanols.” Sponsoring faculty member: Andreas Franz.

JACOBY CENTER FOR PUBLIC SERVICE AND CIVIC LEADERSHIP

Three students from The College participated in internships in the Jacoby Center’s Sacramento Experience program. As part of the program, the students worked in the Sacramento offices of these organizations two days a week and attended a weekly seminar on California government.

• Jordan Fenner ’14, Environmental Studies, interned with the Sierra Club.
• Lucia Prado ’14, Political Science, interned with the Latino Coalition for a Healthy California.
• Katy Ann Walton ’13, History, interned with the Campaign for College Opportunity.

In addition, Meghan O’Keefe ’14, Political Science, studied at American University in Washington, D.C., through the Jacoby Center’s Washington Semester Program. During the program, she interned at the Business Council for International Understanding.
PRESENTATIONS

BIOLOGICAL SCIENCES

Ajna Rivera, Biological Sciences, was a symposium speaker at The Society for Integrative & Comparative Biology (SICB) meeting. She presented “Gene expression differences underlying sexual dimorphism in ostracod eyes: Insights from transcriptomics.” Graduate students Andrea Sajuthi ’13, Brenna Carillo-Zazueta ’14 and Brianna Hu ’12 participated in the presentation. Rivera also co-authored a presentation with William Trok ’14 and graduate student Erik Webb ’14.

CHEMISTRY

Xin Guo, Thomas J. Long School of Pharmacy and Health Sciences, Andreas Franz, Chemistry, and students Yu Zheng ’13, Xin Liu ’13, along with Nataliya Samoshina and Vyacheslav Samoshin, Chemistry, made an oral report on “trans-2-Aminocyclohexanol-based lipids as pH-sensitive conformational switches in liposomes for drug delivery” at the Teva Pharmaceuticals Scholars Inaugural Grant Symposium during the 244th National Meeting of the American Chemical Society (ACS) in Philadelphia. Their research was supported by a three-year grant from Teva Pharmaceuticals.

Jerry Tsai and Hyun Joo, Chemistry, along with Archana Chavan ’13 and Jamie Phan ’13 presented the poster “Hand Building Predictive Models Using An Amino Acid Structural Code” at the 10th International Critical Assessment of Structure Prediction meeting in Gaeta, Italy. The team was awarded travel grants from the meeting’s organizers and acknowledged as having two top predictions in protein structure.

COMMUNICATION

Teresa Bergman, Communication, presented her research on “Disneyland as a Public Memory Site” at the 2012 National Communication Association Conference in Orlando, Fla.

Qingwen Dong, Communication, alum Taylor Blackburn ‘10 and Diane Farrell, former University Director of the Career Resource Center, presented a research paper on “The Impact of Internships on College Students’ Social Emotional Competence” at the annual National Communication Association Conference in Orlando, Fla., in November. The paper won the Top Paper Award in the Experiential Learning Division at the conference.


Paul Turpin, Communication, gave the following talks and presentations during the year:

- While on faculty development leave in the fall, he gave a presentation at the American Graduate School in Paris on the two presidential candidates’ views and respective programs. His talk focused on the influence of differing economic philosophies on the
likely foreign policy stances of Obama and Romney, and he led a Q&A session with the audience.

- Turpin presented “Republican Shock at the 2012 Presidential Election Outcome: Ideology, Political Identification, and Discourse Communities” at the Social Science Research Colloquium, held at Pacific in January.

- He was an invited discussant at a graduate student conference “Equality Equals...” at the University of North Carolina, Chapel Hill.

- Turpin presented a paper “The Disagreeable Other: Political Conflict & the Rhetorical Function of Ideologies in Discourse Communities” at the 12th National Communication Ethics Conference in Pittsburgh, Penn.

EARTH & ENVIRONMENTAL SCIENCES

Earth & Environmental Sciences faculty and students presented the following research and workshops at the 2012 annual meeting of the Geology Society of America (GSA) in Charlotte, N.C.:


- **Lydia Fox**, Earth & Environmental Sciences, led the workshop “Getting Started in Undergraduate Research” and gave a presentation on “Water is for Fighting Over: Water and the California Delta as a Theme for a Capstone Seminar.”


- **Laura Rademacher** and **Kurt Burmeister**, Earth & Environmental Sciences, presented “Using informal collaborations between residential learning communities and k-12 schools to foster student learning and support earth science curriculum,” co-authored with P.J. McIntosh, C.J. Brown and K.L. Hargrave.

- **Laura Rademacher**, Earth & Environmental Sciences, presented “Microbial assemblages in a small, urban reservoir impacted by acid mine drainage, Oakland, CA,” co-authored
with C. Wu and K.L. Faul, and “Metal cycling through an ephemeral acid mine drainage impacted urban reservoir in Oakland, CA,” co-authored with C.R. Stitt and K.L. Faul.

**Lydia Fox**, Director of Undergraduate Research and Chair of the Department of Earth & Environmental Sciences, gave the following talks and presentations during the academic year:

- She was the featured speaker at the National Women’s History Month celebration hosted by the Western Regional Office of the Federal Bureau of Prisons. She spoke on “Reflections on Being a Woman Scientist.”

- At the fall meeting of the American Geophysical Union in San Francisco, she gave a presentation on faculty evaluation at a workshop for Heads & Chairs of Earth and Space Sciences departments.

- Fox led a workshop “Getting Started in Undergraduate Research” and co-authored a poster “The Geosciences Division of the Council on Undergraduate Research (GeoCUR): Supporting Faculty that Mentor Undergraduate Researchers” at the fall meeting of the American Geophysical Union.

- She gave a presentation at the “Windows of Opportunity: Undergraduate Research Program Directors Conference” in June 2013 at Chapman University in Orange, Calif. Her presentation focused on mentorship for the faculty member who is also a program director.

**ECONOMICS**

**Michelle Amaral** and **Bill Herrin**, Economics, gave the Economic Outlook presentation at the Mayor’s State of the City Luncheon in Lodi in November. The talk focused on local health and housing issues and was attended by more than 200 local businesspeople and residents.

**Dennis O. Flynn**, Economics, gave the following presentations and invited lectures during the academic year:

- He co-organized and participated in the session “Agricultural Production in Monsoon Asia and Global Markets, 1700-1945: International Trade, Merchants and Roots of Development” at the XVI World Economic History Congress in Stellenbosch, South Africa.

- Flynn presented his paper “Economics as a Physical and Historical Science” at the Social Science History Seminar at Stanford University. The presentation was co-produced with **Marie A. Lee**, Visual Arts.

- He presented three invited lectures in the Netherlands in May on his Unified Theory of Prices. He lectured at the University of Amsterdam, Amsterdam University College and Leiden University. Co-created with **Marie A. Lee**, Visual Arts, the “Hydraulic Metaphor” version of the model was aimed at interdisciplinary audiences.
• Flynn presented “A Restatement of the Price Theory of Monies” at an international workshop on “Transfers of Precious Metals and their Consequences (XVIth-XXth Centuries)” at the Museo del Traje, in Madrid, Spain, in May. He acted as session chair the previous day.

Sharmila King, Economics, presented “Debt Contagion in the EMU: a Panel VAR Analysis” and “Income Inequality and Election Outcomes in OECD Countries” at the European Union Studies Association (EUSA) Conference in Baltimore. She also presented “Do Markets Listen WhenPoliticians Talk? The Impact of Political Commentaries on Policy Rate and Inflation Expectations” at the Social Science Research Colloquium held at Pacific in January.

Simge Tarhan, Economics, presented “Campaign Contributions and Political Polarization” at the Meeting of the Society for Social Choice and Welfare in New Delhi, India, and at the Public Economic Theory Conference in Taipei, Taiwan.

ENGLISH

Jeffrey Hole, English, presented his paper “Wall-Street Apostrophes and the Sphere of Humanism” at the American Comparative Literature Association’s annual meeting at the University of Toronto, Canada.

Courtney Lehmann, English, was selected as one of 15 film scholars from around the world to present work at the Paris Shakespeare Congress 450 in 2014, celebrating Shakespeare’s 450th birthday.

Camille Norton, English, gave a lecture on the poet Adrienne Rich at the Sacramento Poetry Center in October. She also gave a reading in Crockett, Calif., the same month.

Amy Smith, English, gave the following readings, workshops and presentations during the academic year:

• She conducted a creative nonfiction workshop, “Telling Your Story,” at the Gold Rush Writers Conference in Mokelumne Hill, Calif., in May.

• Smith gave readings and led discussions on her book, All Roads Lead to Austen, at Taft College in Taft, Calif.; at the Walnut Creek public library for the local chapter of AAUW; at the Great Valley Bookfest in Manteca, Calif. (sponsored by Pacific alum Toni Raymus); at Barnes and Noble and Cesar Chavez Library in Stockton, Calif.; and at Anne Arundel Community College in Arnold, Md.

• She participated in an author signing session at the Annual General Meeting of JASNA (Jane Austen Society of North America) in Brooklyn, N.Y., in October.

• She led a discussion of creative writing and traveling in Latin America at Lathrop K-8 school in Lathrop, Calif., in September.

Convention in Boston. She presented the paper during a roundtable entitled “Environment, Epistemology, and Literature of the Americas.” In addition, Xiaojing presented “The Politics of Everyday Practice of Chinese/American Culture in Chinatown: Donald Duk by Franck Chin” on a plenary panel at the 8th Congress and International Conference of the Sino-U.S. Cultural Studies Association in Hangzhou, China.

HEALTH, EXERCISE & SPORT SCIENCES

Peg Ciccolella, Health, Exercise & Sport Sciences, was a faculty delegate to the Clinton Global Initiative University (CGIU) in St. Louis. She attended the conference with Joanna Royce-Davis, Dean of Students, and 10 Pacific students representing the Stockton and Sacramento campuses who presented commitments for change to the CGIU.

Lara Killick, Health, Exercise & Sport Sciences, along with Ethel Nicdao, Sociology, and Sociology student Tya Allred ‘13 presented a poster “Project YES: Developing community-academic partnerships to improve individual and community health in Stockton, CA” at the 2012 Science of Eliminating Health Disparities Summit in Washington, D.C.

Chris Snell, Health, Exercise & Sport Sciences, Pacific Fatigue Lab (PFL), spent six days in Sweden as part of his developmental leave. He was invited to speak on clinical exercise testing for chronic fatigue syndrome research and treatment at a conference organized by the Stockholm branch of the National Society for Myalgic Encephalomyelitis. He also met with researchers and clinicians to discuss the PFL’s work and was interviewed for Swedish television. In addition, Snell gave an invited presentation in Bethesda, Md., on “Exercise Challenge Studies in CFS” at the Food and Drug Administration (FDA) Scientific Drug Development Workshop: Development of Safe and Effective Drug Therapies for Chronic Fatigue Syndrome (CFS) and Myalgic Encephalomyelitis (ME).

HISTORY

Ken Albala, History, gave the keynote talk on Italian food in the U.S. at a food conference at the Umbra Institute in Perugia, Italy. He also appeared in a film on composer Claudio Monteverdi, in which he was featured cooking 17th century Italian recipes using original equipment in a castle in Nideggen, Germany. Albala delivered a paper on Italian Cuisine in America at a conference on “Foodways and Heritage,” sponsored by the Chinese University of Hong Kong. He also gave a keynote talk about the first cookbook published in Canada, The Cuisinère Canadienne of 1840, at the “How Canadians Communicate about Food Conference” in Banff, Alberta. Most recently, Albala delivered the opening keynote address at the 82nd Anglo-American Conference of Historians in London. His talk was entitled “Toward a Historical Dialectic of Culinary Styles.”

Gesine Gerhard, History, was an invited presenter at the conference “Food Justice: Interdisciplinary Perspectives” at the University of Illinois at Chicago in April. Her presentation was titled “Food Justice Under Duress: Feeding Soldiers, Civilians and Prisoners of War During the German War on the Soviet Union 1941-1945.” She also presented a paper on “The War on the Eastern Front: Food, Starvation and Genocide” at the conference “World War II, Nazi Crimes and the Holocaust in the Soviet Union” in Moscow, Russia.

Gregory Rohlf, History, chaired the panel “Field Trips and Asian Studies: Best Practices and Outcomes” at the Association for Asian Studies Conference in San Diego. His paper was entitled “Seven Years of Field Trips to San Francisco Asian Art Museum: What Are Students Learning?”

MATHEMATICS

Alex Dugas, Mathematics, presented “Mutation of simple-minded systems in a triangulated category” at the International Conference on Representations of Algebras in Bielefeld, Germany.

Chris Goff, Mathematics, presented “Diophantine Geometry, Eulerian Number Theory, and Undergraduates” at the Mathematical Association of America & American Mathematical Society Joint Meetings in San Diego. He gave a similar presentation titled “Euler’s Algebraic Creativity and Undergraduate Math” at the Sacramento Valley Community College Mathematics Conference.

Larry Langley, Mathematics, presented “Out Set Chromatic Number of a Tournament” at the Southeastern Conference on Combinatorics at Florida Atlantic University in Boca Raton, Fla.

Dennis Parker, Mathematics, presented a year-long series of workshops on “Student Engagement, Differentiated Instruction, and the Common Core Math Standards” for the secondary mathematics teachers of Lincoln Unified School District.

MODERN LANGUAGES & LITERATURE

Cosana Eram, Modern Languages & Literature, presented “Isidore Isou: the Avant-Garde After” at the European Network for Avant-Garde and Modernism Studies Biannual Conference at the University of Kent in Canterbury, England.

Arturo Giraldez, Modern Languages & Literature, gave a series of invited lectures about “Sugar, Tea and Opium in World History” at the University of Amsterdam in May.

Jie Lu, Modern Languages & Literature, participated in a roundtable discussion on World Literature and Chinese Literature at the Modern Language Association (MLA) Conference.


PHYSICS

Sayandeb Basu, Physics, and his undergraduate thesis student, Kai Chung ’13, attended the Pacific Coast Gravity Meeting at UC Davis. Basu presented the paper “Asymptotic Darkness versus Asymptotic Safety: An Assessment.” He also presented the talk “Hoop conjecture, minimal length and black hole formation in the asymptotically safe scenario of quantum gravity”
at the international conference IC-MSQUARE 2012, in Budapest, Hungary. In Prague, Czech Republic, Basu presented a seminar on “UV completion in theories of quantum gravity.”

**Kieran Holland**, Physics, was invited to speak at the “New frontiers in lattice gauge theory” workshop at the Galileo Galilei Institute in Florence, Italy. He gave a presentation on his work on lattice simulations of Beyond Standard Model theories.

**POLITICAL SCIENCE**

**Jeffrey Becker**, Political Science, presented “Pragmatism and the Politics of Mutual Respect” at the annual meeting of the Midwestern Political Science Association in Chicago. He also presented “Representation and the Triumph of Personal Ambition” at the annual meeting of the Western Political Science Association in Hollywood.

**Keith Smith**, Political Science, presented “Prop 14 and the Death of California’s Minor Parties” at the Social Science Research Colloquium held at Pacific in January. In addition, Smith and **Dari Sylvester**, Political Science, presented two papers: “Re-examining the choice to vote by mail” and “Can voters be educated about voting?” at the Midwest Political Science Association’s annual meeting in Chicago.

**Dari Sylvester**, Political Science, presented her talk “Invisible Numbers” at the TEDx San Joaquin conference at Pacific.

**PSYCHOLOGY**

**Gary N. Howells**, Psychology, and his students presented the poster “Informing Jurors of Determinate Sentencing: Changing the Judicial Process” at the 2012 Association for Psychological Science national meeting in Chicago. Student co-authors were **Michael Quan ’12, Roxanna Duran ’12, Alixandria Henley ‘13, Brian Ng ’12 and Amir Cruz-Khalili ‘13.**

**Matt Normand**, Psychology, gave an invited address “Movement as medicine: Behavior analysis for health and fitness” at the 32nd Annual Meeting of the Florida Association for Behavior Analysis in Jacksonville, Fla.

**RELIGIOUS & CLASSICAL STUDIES**


**Caroline T. Schroeder**, Religious & Classical Studies, organized and directed an international symposium on Digital and Computational Scholarship in Coptic at Humboldt University in Berlin. The symposium was attended by more than 20 scholars from five countries; her efforts were made possible by SAAG and a grant from the Pacific Fund. She was also one of the lead organizers on the planning committee for the symposium “Late Antiquity Made New: A Celebration of the Work of Elizabeth A. Clark” at Duke University.

In addition, she gave the following presentations, lectures and invited talks during the academic year:
• “Like Father Like Son: Paternity, Masculinity, and Childhood in Shenoute’s Monastery” at the International Association of Coptic Studies in Rome.

• “Coptic Studies on the Digital Frontier: Creative Approaches to Manuscript Publication” at the annual meeting of the Society of Biblical Literature in Chicago.

• “Breaking Rules and Telling Tales: Children and Childhood in Earliest Monasteries” at Claremont Graduate University. The lecture talked about the lives of children in early Christian Egypt, one of the birthplaces of monasticism.

• “Cracking the Code: a Coptic Digital Corpus for Interdisciplinary Research” at the Digital Classics Association Conference in Buffalo, N.Y. The research was funded by a Pacific Fund grant.

• “Like Father, Like Son: Monastic Genealogies and Cultural Reproduction,” an invited talk at the University of California, Berkeley conference, “The New Patristics: Studying the Church Fathers after the Linguistic Turn.”

• “Raiders of the Lost Corpus” and “Monks and Their Children” at the Institute for German Language and Linguistics at Humboldt University, Berlin.


SOCIOLOGY

Alison Hope Alkon, Sociology, presented a paper “Environmental Privilege in the Food Justice Movement” at the American Sociology Association’s annual conference in Denver. She gave an invited talk at UC Davis entitled “From Sustainable Agriculture to Food Justice: An Autoethnography.” She also gave invited talks about her recent book, Black White and Green: Farmers Markets, Race and the Green Economy, at the New School in New York and at Goucher College in Baltimore.

Marcia Hernandez, Sociology and Assistant Dean, The College, presented “I guess you just don’t care about teaching or research: An Autoethnographic Account of a New Academic Administrator” at the Pacific Sociological Association Conference in Reno, Nev.

Ethel Nicdao, Sociology, presented “Contextualizing Support from Family and Friends of Women Released from Prison” at the Annual Meeting of The Society for the Study of Social Problems in Denver, Colo. In addition, Nicdao co-presented “Female Inmates and Social Support Systems: Is There Congruence between Qualitative and Quantitative Results” at the Annual Meeting of The Society for Applied Anthropology Conference, also in Denver.
Rand Enlow and Cathie McClellan, Theatre Arts, each presented two workshops at the Region VII Kennedy Center American College Theatre Festival in Sacramento. Enlow’s topics were “Creating to Scale Set Models” and “Communication for Scenic Designers.” McClellan presented “A Few Tricks Up Your Sleeve – Patterning Tips for 5 Late Victorian Sleeves” and “Waisting Away,” a co-presentation with Gail Russell of American River College on the history of corsets and corset construction techniques. The workshops were attended by theatre professionals and students from seven states. McClellan was also a presenter at the United States Institute for Theatre Technology (USITT) annual conference in Milwaukee. She presented a session about hands-on design tips and tricks, showing how to use the collage technique, which she teaches in her Design Fundamentals class. She featured work from students during her discussion.

Lisa Tromovitch, Theatre Arts, spoke on mentoring and leadership in the nonprofit arts sector at the Sandia National Labs Women’s Leadership Group. In addition, Tromovitch was elected vice president of the Shakespeare Theatre Association at its annual conference at DeSales University in Center Valley, Penn.

VISUAL ARTS

Marie A. Lee, Visual Arts, taught at the Public Interest Design Institute in Denver in April. Lee lectured on the Kam Minority Heritage Project, a student-faculty research venture that also involved Graphic Design students Anastasya Uskov ’11 and Joanne Kwan ’13 and Jennifer Little, Visual Arts. They worked in Dimen, a Kam minority village in Guizhou, China, to preserve the village’s cultural heritage.

Monika Meler, Visual Arts, was very involved in the Southern Graphics Council International Conference in Milwaukee, where she co-curated the “Sustenance: Printmaking Now” exhibit with Andrea Ferber.

Merrill Schleier, Visual Arts, presented the paper “Ken Adams’ Boy Toys: Location and Production Design in Early James Bond Films” at the Society for Cinema and Media Studies Annual Conference in Chicago. She also presented the paper “Frank Lloyd Wright’s Taliesin: the Convergence of Cinema and Architecture” at the Society of Architectural Historians Conference in Buffalo, N.Y.
PUBLISHED WORKS

BIOLOGICAL SCIENCES

Ryan Hill, Biological Sciences, had his co-authored paper “Ecologically relevant cryptic species in the highly polymorphic Amazonian butterfly Mechanitis mazaeus s. l. (Lepidoptera: Nymphalidae; Ithomiini)” published in the Biological Journal of the Linnean Society. He jointly published a peer-reviewed paper “Diversification of complex butterfly wing patterns by repeated regulatory evolution of a Wnt ligand” in the Proceedings of the National Academy of Sciences U.S.A. In addition, Hill’s article “Cryptic genetic and wing pattern diversity in a mimetic Heliconius butterfly” was published in Molecular Ecology.

Kirk Land, Biological Sciences, published the following papers, invited papers and reviews during the academic year:

• A paper “Exploring the Versatility of Cycloplatinated Thiosemicarbazones in Biology and Catalysis” was published in a special issue of Organometallics. Co-authors included students Aaron Au ’13, Ajit Shokar ’12 and Steven An ’13, as well as collaborators at the University of Cape Town, South Africa, and H3D, Africa’s first major drug discovery and development center.

• A co-authored paper “The Synthesis and Antiparasitic Activity of Aryl- and Ferrocenyl-Derived Thiosemicarbazone Ruthenium(II)-Arene Complexes” was published in the journal Dalton Transactions. Co-authors included collaborators at the University of Cape Town, South Africa, and H3D.

• A paper “Synthesis of 1H-1,2,3-triazole linked β-lactam-Isatin Bifunctional Hybrids and preliminary analysis of in vitro activity against the protozoal parasite Trichomonas vaginalis” was published in the European Journal of Medicinal Chemistry. Co-authors included students Nathan Haberkern ’13, Neal Patel ’13 and Ryan Faucher ’14, and collaborators from the Department of Chemistry, Guru Nanak Dev University, India.

• An invited Perspectives article on “Drug discovery against the protozoal parasite Trichomonas vaginalis” was published by Kirk Land and Lisa Wrischnik, Biological Sciences, in the Journal of Medicinal Chemistry. Co-authors included collaborators from Florida International University, Miami.

• A paper “Design, synthesis, and preliminary analysis of b-amino alcohol based β-lactam-isatin chimeras on in vitro activity against the protozoal pathogen Trichomonas vaginalis” was published by Kirk Land and Lisa Wrischnik, Biological Sciences, and students Melissa Hopper ’14, Neal Patel ’13 and Dominique Hall ’14 in the journal Medicinal Chemistry Communications. Other co-authors included collaborators from the Department of Chemistry, Guru Nanak Dev University, India.

• An invited review “Trichomonas vaginalis basic biology: key gaps in our knowledge and how to close them” was published by Kirk Land and Lisa Wrischnik, Biological Sciences,
for a special issue of the journal Sexually Transmitted Infections on human trichomoniasis.

- A co-authored study “A cysteine protease inhibitor rescues mice from a lethal Cryptosporidium parvum infection” was published in the journal Antimicrobial Agents and Chemotherapy (Experimental Therapeutics). Other co-authors included collaborators at the Center for Innovation and Discovery in Parasitic Diseases, University of California, San Francisco, McGill University Institute of Parasitology, and the US Centers for Disease Control and Prevention.

- A study “Synthesis, characterization, antiparasitic and cytotoxic evaluation of thioureas conjugated to polyamine scaffolds” was published in the journal European Journal of Medicinal Chemistry. Land published the study with students Raquel O’Connor ’14, Neal Patel ’13, Aaron Au ’13, Steven An ’13 and Benjamin Sanchez ’13. Other co-authors included collaborators at the University of Cape Town, South Africa, and H3D, Africa’s first major drug discovery and development center.

Joan and Geoff Lin-Cereghino, Biological Sciences, and Jerry Tsai, Chemistry, had their research article “The Effect of α-Mating Factor Secretion Signal Mutations on Recombinant Protein Expression in Pichia pastoris” accepted for publication in the journal Gene. The article featured student and alumni co-authors: Carolyn M. Stark ’11; Daniel Kim ’07, ’09; Jennifer Chang ’09; Hansel Poerwanto ’12; Kimiko Agari ’12; Lauren K. Low ’09; John William Chang ’08; Namphuon Tran ’10; Kristin T. Oshiro ’12; Amy D. Huang ’08, ’11; Archana Chavan ’13; Nadia Shaheen ’13; Pachai Moua ’14 and Maria Nattestad ’13.

Stacy Luthy, Biological Sciences, co-authored “Nutrient subsidies from nekton in salt marsh intertidal creeks,” published in the journal Limnology and Oceanography.

Ajna Rivera, Biological Sciences, was the lead author on the article “Blue-lightreceptive cryptochrome is expressed in a sponge eye lacking neurons and opsin.” The article was published in and featured on the cover of the Journal of Experimental Biology. It was also included in a commentary in the same journal, as well as on Science News and Nature.

CHEMISTRY


Jianhua Ren, Chemistry, published an invited review article “Shaping the properties of peptides” in *International Innovation*. The article described the research carried out by many of her students in recent years. The key collaborator was Mike McCallum, Chemistry.

Andrey Samoshin ’11, Hyun Joo and Vyacheslav Samoshin, Chemistry, had their paper on “trans-3-Hydroxy-4-morpholinopiperidine - the pH-triggered conformational switch with a double flip” published in the journal *Tetrahedron Letters*. The paper was co-authored with colleagues from Moscow State University in Russia.

Balint Sztaray, Chemistry, co-authored the following published papers during the academic year:

- “From Iron Pentacarbonyl to the Iron Ion by Imaging Photoelectron Photoion Coincidence” was published in the *Journal of Physical Chemistry*. Co-authors were Eileen M Russell, Elvis Cudjoe, Michael E. Mastromatteo, James P. Kercher and Andras Bodi.

- “Tunneling in H loss from energy selected ethanol ions” was published in *Physical Chemistry Chemical Physics*. Co-authors were Andras Bodi, M. Daniel Brannock and Tomas Baer.

- “On the Dissociation of the Naphthalene Radical Cation: New iPEPICO and Tandem Mass Spectrometry Results” was published in the *Journal of Physical Chemistry*. Authors were Brandi West, Christine Joblin, Valerie Blanchet, Andras Bodi, Bálint Sztáray, and Paul M. Mayer.

- “Dissociating C3H5Br+ Ions: Almost All Roads Lead to the Allyl Cation” was published in the *International Journal of Mass Spectrometry*. Co-authors were Ph.D. student Sampada Borkar ’13 and Andras Bodi.

- “A new double imaging velocity focusing coincidence experiment: i2PEPICO” was published in *Review of Scientific Instruments*. Co-authors were Andras Bodi, Patrick Hemberger and Thomas Gerber.

Jerry Tsai and Hyun Joo, Chemistry, and Archana Chavan ’13 were co-authors on the paper “Understanding the general packing rearrangements required for successful template based modeling of protein structure from a CASP experiment,” published in *Computational Biology and Chemistry*. The paper described a packing approach to protein structure prediction. The trio also published “An Amino Acid Packing Code for α-Helical Structure and Protein Design” with collaborators Jamie Phan and Ryan Day in the *Journal of Molecular Biology*.

**COMMUNICATION**

Teresa Bergman, Communication, had her book *Exhibiting Patriotism: Creating and Contesting Interpretations of American Historic Sites* published by Left Coast Press in January. In the book, Bergman analyzes exhibits, interpretive materials and orientation films at major U.S. historical sites, from Mount Rushmore to the USS Arizona Memorial, where controversy has erupted over the stories they tell about the past.
Paul Turpin, Communication, was invited to submit a chapter for a book on economist Milton Friedman. Oxford University Press will publish the book.

EARTH & ENVIRONMENTAL SCIENCES

Laura Rademacher, Earth & Environmental Sciences, co-authored “Evolution of groundwater age in a mountain watershed over a period of thirteen years,” which was published in the Journal of Hydrology. Co-authors were A.H. Manning, J.F. Clark, S.H. Diaz, S. Earman, and L.N. Plummer.

ECONOMICS

Michelle Amaral, Economics, and Bill Herrin, SIS and Economics, had their manuscript “The Relationships Between Housing Quality and Occupant Health in Uganda” accepted for publication in Social Science & Medicine, named one of the top third most cited journals in 2011.


Publications by Dennis O. Flynn, Economics; now deceased Kerry W. Doherty, Economics; and Arturo Giráldez, Modern Languages & Literature, were heavily cited in a recent article by French geologists Anne-Marie Desaulty and Francis Alberede, “Copper, lead, and silver isotopes solve a major economic conundrum of Tudor and early Stuart Europe,” in Geology, published online Nov. 6, 2012. In a follow-up article in Earth by Alex Kasprak, “Geochemistry of English coins solves medieval European economic mystery; reveals trade routes,” natural scientists and Flynn were interviewed about the interdisciplinary nature of research that spans fields of geosciences, social sciences and global history.

Sharmila King, Economics, had her paper “Do National Economic Shocks Influence ECB Interest-Rate Decisions? The Impact of the Financial and Sovereign Debt Crises” published in the Journal of Common Market Studies. She also authored the blog “Economic divergences among Eurozone countries have played an increasingly important role in ECB decision-making since the start of the crisis” that was featured on the London School of Economics and Political Science website.

ENGLISH

Andreea Boboc, English, was selected to serve as a reviewer for The Chaucer Review. In addition, her article “Teaching off the Literary Grid with Hildegard of Bingen’s Physica,” in which she proposes a new approach to making medieval science meaningful to general education majors, appeared in the journal Pedagogy.

Cynthia Dobbs, English, had her review of Pegalga Goulimari’s Toni Morrison published in College Literature in Fall 2012.
Jeffrey Hole, English, had his essay “Enforcement on a Grand Scale: Fugitive Intelligence and the Literary Tactics of Douglass and Melville” published in the June 2013 issue of American Literature.

Camille Norton, English, had her poem “Sapphics for Monique Wittig” published in The Women’s Studies Quarterly.


HEALTH, EXERCISE & SPORT SCIENCES

Lara Killick, Health, Exercise & Sport Sciences, had her co-authored paper “The UK Netball Superleague: A Case Study of Franchising in Elite Women’s Sport Organisations“ accepted for publication in European Sport Management Quarterly.

HISTORY

Ken Albala, History, published his 15th book, The Routledge International Handbook of Food Studies. The book includes 34 chapters by leading food scholars from around the world, including Alison Hope Alkon, Sociology, who wrote the chapter on food justice. Albala also had his book The Lost Arts of Hearth and Home: The Happy Luddite’s Guide to Domestic Self Sufficiency published by Penguin/Perigee. His co-author was Rosanna Nafziger Henderson, his collaborator on The Lost Art of Real Cooking.


W. R. Swagerty, History, published a two-volume study The Indianization of Lewis and Clark through the Arthur H. Clark Company, an imprint of the University of Oklahoma Press. Using an interdisciplinary approach, the book retraces the well-known trail of America’s most famous explorers as a journey into the heart of Native America, a case study of successful material adaptation and cultural borrowing.

MATHEMATICS

Alex Dugas, Mathematics, published the article “Tilting mutation of weakly symmetric algebras and stable equivalence” in the journal Algebras and Representation Theory.
Christopher Goff, Mathematics, published the article “Fusion rules for abelian extensions of Hopf algebras” in the journal *Algebra and Number Theory*.

Larry Langley, Mathematics, co-authored the article “Forbidden subgraph characterization of bipartite unit probe interval graphs,” which appeared in *The Australasian Journal of Combinatorics*.

Sebastian Marotta, Mathematics, co-authored “Singular Perturbations in the Quadratic Family with Multiple Poles,” published in *Journal of Difference Equations and Applications*. He also co-authored the article “Complex Dynamics of Moebius Semigroups,” which appeared in *Ergodic Theory and Dynamical Systems*.

MODERN LANGUAGES & LITERATURE


PHILOSOPHY

Ty Raterman, Philosophy, had his article “Bearing the Weight of the World: On the Extent of an Individual’s Environmental Responsibility” published in the November 2012 issue of the journal *Environmental Values*.

POLITICAL SCIENCE

Robert Benedetti, Political Science, edited More Votes That Count: A Case Study in Voter Mobilization (Institute of Governmental Studies Press). Dari Sylvester and Keith Smith, Political Science; Brett DeBoer, Visual Arts; Lisa Tromovitch, Theatre Arts; Paul Turpin, Qingwen Dong, Jon Schamber and Alan Ray, Communication, were contributing authors. The underlying research involved Pacific graduate and undergraduate students. The book was organized by the Jacoby Center for Public Service and Civic Leadership.

Keith Smith, Political Science, had his article “Proposition 14 and California’s Minor Parties: A Case Study of Electoral Reform and Party Response” published in the California Journal of Politics and Policy. Smith also had his article “Why Just Two Parties? A Voting Game to Illustrate Duverger’s Law” published in PS: Political Science & Politics. The article used a classroom game to explore why there are just two major political parties in the United States.

Dari E. Sylvester, Political Science, was invited to serve on the editorial board of Election Law Journal, the leading peer-reviewed journal in election law policy. In addition, her chapter “From Policy to Political Efficacy and Engagement: Using Government in Action to Promote Understanding of Public Policy” was published in From Service-Learning to Civic and Political Engagement, Alison Rios Millett McCartney, Elizabeth A. Bennion, and Dick Simpson (eds.) (Washington, DC: American Political Science Association, 2013).

PSYCHOLOGY


Matt Normand, Psychology, was named editor for the journal The Behavior Analyst, the official publication of the Association for Behavior Analysis International. In addition, Normand and his collaborators published the following articles and papers during the year:

• His article “Functional analysis of verbal behavior: A brief review” was accepted for publication in the Journal of Applied Behavior Analysis. The paper was co-authored with Joshua Plavnick from Michigan State University.

• Normand and students Tracy Larson ‘13, Allison Morley ‘12 and Bryon Miller ‘13 had the article “A Functional Analysis of Moderate-to-Vigorous Physical Activity in Young Children” accepted for publication in the Journal of Applied Behavior Analysis.

• Normand and Carolynn Kohn, Psychology, authored “Don’t wag the dog: Extending the reach of applied behavior analysis,” which was published in The Behavior Analyst.

• His article “On the origin and functions of the term ‘functional analysis,’” was published in the Journal of Applied Behavior Analysis. The paper was co-authored by Henry D. Schlinger from California State University, Los Angeles.
• Normand and students Kristin Hustyi ’10, Tracy Larson ’13 and Allison Morley ’12 had their article “The effect of outdoor activity context on physical activity in preschool children” published in the Journal of Applied Behavior Analysis.

RELIGIOUS & CLASSICAL STUDIES

Alan Lenzi, Religious & Classical Studies, is the new Ancient Near East and Hebrew Bible section editor for the journal Compass-Religion. In addition, Lenzi had the following articles and entries accepted for publication:

• “Invoking the God: Interpreting Invocations in Mesopotamian Prayers and Biblical Laments of the Individual” was translated into Korean and re-published in the journal Theological Studies.

• “A New Akkadian Shuila-Prayer to the Three Paths of Heaven and the Third Tablet of Bit sala’ me” was accepted for publication in the journal Orientalia (Biblical Pontifical Institute, Rome).

• “Advertising Secrecy, Creating Power in Ancient Mesopotamia: How Scholars Used Secrecy in Scribal Education to Build and Perpetuate Their Social Prestige” was accepted for publication in the journal IRAQ.

• His entry “Erech” was published in Brill’s Encyclopedia of the Bible and its Reception.

Caroline Schroeder, Religious & Classical Studies, had two articles accepted for publication: “Women in Anchoritic and Semi-anchoritic Monasticism in Egypt: Rethinking the Landscape,” in Church History: Studies in Christianity and Culture and “An Early Monastic Rule Fragment from the Monastery of Shenoute” in the journal Le Muséon. Finally, her digital project, Coptic Scriptorium prototype went live at copitic.pacific.edu. The project was a collaboration between Schroeder and Amir Zeldes of Humboldt University, Berlin.

Tanya Storch, Religious & Classical Studies, had her article “Buddhist Universities in the United States of America” accepted for publication in the Journal of Dharma Studies. She also earned a contract with Lexington Books to publish her book, Buddhist Universities in the USA, in 2014.

SOCIOLOGY

Alison Hope Alkon, Sociology, had her book Black White and Green: Race, Farmers Markets and the Green Economy published by University of Georgia Press. The book explores dimensions of race and class as they relate to farmers markets and the green economy. Alkon also authored and co-authored the following articles:

• “The Socio-Nature of Local Organic Food” was published in Antipode.

• “What’s in a Name? Language, Framing and Environmental Justice Activism in California’s Central Valley” was accepted for publication in Local Environment. It was co-
authored with Marisol Cortex of Esperanza Peace and Justice Center and Julie Sze from UC Davis.

• “Foodways of the Urban Poor,” which she co-authored, was accepted for publication in *GeoForum*.

**Marcia Hernandez**, Sociology and Assistant Dean, The College, co-authored a chapter in the book *The Sociology of Harry Potter*, published by Winged Lion Press. Her chapter was titled “It’s the Best Place for Him: Harry Potter and the Uses of Space.”


**Ethel Nicdao**, Sociology, co-authored the article “Chronic Conditions, Behavioral Health, and Use of Health Services Among Asian American Men: The First Nationally Representative Sample,” which was published in the *American Journal of Men’s Health*. Her co-authored article “Post Disaster Resilience: Racially Different Correlates of Depression Symptoms among Hurricane Katrina-Rita Volunteers” was accepted for publication in the journal *Disaster Health*. In addition, her article “Religion and the Use of Complementary and Alternative Medicine (CAM) Among Cardiac Patients” was accepted for publication in the *Journal of Religion and Health*.

**VISUAL ARTS**

**Marie Lee**, Visual Arts, won a national competition to design the visual identity/logo, identity manual poster and catalog cover for *Metamorphosis of Politics: 19th Century Monuments in Czech*. The exhibition is being organized by the Czech National Gallery and the City of Prague Archive and will be held in the fall of 2013. She also did the visual identity for *Uncorsetted Painting: Women Artists of the 19th Century in Czech*, a Czech National Gallery exhibition curated by Katerina Kuthanova.


**Merrill Schleier**, Visual Arts, had her article “Fatal Attractions: ‘Place,’ the Korean War and Gender in *Niagara* (1953)” published in the summer 2012 issue of *Cinema Journal*. She was also invited to serve on the editorial board of the British journal *Architecture and Culture*.

**Jill Vasileff**, Visual Arts, had her work featured on the July/August 2012 cover of *ArtScope* and reviewed in a catalogue essay for *Making Room*. 