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**Save the Date: All Gaucho Reunion on April 25-27, 2008**

The 2nd Annual All Gaucho Reunion will be held at UCSB. Registration is *free*. For more information, visit: www.ucsbalum.com/All_Gaucho_Reunion.

Special events for ChE alumni include a Friday, April 25 evening reception and a picnic on Saturday, April 26. To register or receive more information for the ChE events, contact cheadmin@chemengr.ucsb.edu. (See page 8 for more details.)

We look forward to seeing you in April!

A Message from the Chair, Gary Leal***Dear Alumni and Friends,***

It has been a year since our inaugural newsletter. Much has happened during the intervening year. I mention a few of the highlights below. A number of these are also discussed in more detail later in this newsletter.

The most significant change in the Department is the arrival of three new young faculty that we welcomed to UCSB during the past summer. *Scott Shell* received his PhD degree from Princeton and has research interests in biophysics and condensed matter. Scott was profiled in the 2007 issue of *ChE News*. *Mike Gordon* is a Caltech PhD whose experimental research is concerned with probing and imaging physicochemical properties of surfaces. *Baron Peters* received his PhD degree from UC Berkeley. His research interests are in the areas of catalysis, nucleation, and electron transfer mechanisms. Mike and Baron are featured on page 4 of this issue. Hiring new faculty of the quality of these three super young professors, as well as Todd Squires who arrived two years earlier from Harvard and Caltech, is the lifeblood of the Department, and bodes extremely well for the future as retirement begins to loom for some of our most senior faculty. During this past year, one such retirement was announced, for Sanjoy Banerjee, who spent nearly 30 years at UCSB including an important period as Chair in the late 1980s when the Department started on the path to the top-rated program that we have become. Although Sanjoy will retire from UCSB, he will not be idle since he has accepted a position at CCNY in New York, where he will serve as CUNY Distinguished Professor and Director of the newly-formed Energy Institute. We all wish Sanjoy well in

this new challenge. See page 4 for more information about Sanjoy.

At the same time that these changes are occurring, the faculty has not stood still. We have one of the most highly recognized faculty in the country in terms of awards and memberships in organizations like the National Academies of Engineering and Science; this recognition has continued during the past year via a variety of new honors and awards. (See page 3.)

Finally, in a year that has been filled with many superlatives, I want particularly to highlight the great celebration held last June with many of our alumni in recognition of the 40th anniversary of our first graduating class. This event is reported in more detail in the Alumni News section. However, two spin-offs are particularly worthy of highlighting here. One is the great job done by last year's AIChE Student Chapter in helping us to collect contact information for 90% of all our alumni. Since we are still missing some people, if you are aware of the location of anyone from your own class who has not been contacted, or you are not certain whether they have been contacted, please let us know. Another important part of the 40th Anniversary Event was the founding of the Rinker Endowment in honor of the contributions of Professor Robert Rinker to our Department and to UCSB. This endowment will be used to support our undergraduate teaching laboratory. We have made major progress in funding this endowment, but are still looking for additional donations to achieve our goal of \$500K.

Before closing, I want to mention that this will be my last year as Department Chair. I originally came to UCSB in 1989 and served as Chair from then until 1998. Then a few years ago, I was asked by Dean Tirrell if I would serve again "briefly" after the Chair at that time, David Pine, decided to leave UCSB. Originally, this was to be for a year or so. However, I am now in the midst of the fourth year of this current "term in office" and so, last summer I announced that I would step down (again) at the end of the current academic year. There is an active process of identifying my replacement.

I must say that being Chair of a Department like ours is an extremely rewarding experience. I do not take personal responsibility, but it is noteworthy that our Department has made tremendous progress



Engineering II building

during the past 18 years, rising from a good Department to one of the best in the country. This occurred because we have done a great job collectively of hiring new faculty, and of recruiting some of the best graduate students in the world. We have had a few hiccups along the way in recent years, as the toll of ultra-expensive real estate in Santa Barbara has had a major role in the loss of two outstanding faculty that began their careers as assistant professors here. Nevertheless, we have continued to move forward by hiring four of the most outstanding young faculty ever during the past three years. Also, UCSB has begun the process of building new more affordable housing for faculty that will hopefully avoid future losses due to that factor. Our recruiting philosophy during the past 18 years has been to hire the most outstanding people without trying to emphasize one topic over another in terms of their research interests. We have purposefully maintained our identity as a *chemical engineering department*, with a broad focus of research interests including "new" areas such as materials and the biological sciences, while still maintaining the core educational emphasis of chemical engineering; transport, reaction engineering and thermodynamics. There are many challenges and opportunities for the future as the field continues to evolve rapidly, and especially as chemical engineers re-engage with energy-related research in response to the clear national mandate. We are proud of our Department, and hope that you take pride in our accomplishments too.

Sincerely,
L. Gary Leal, Chair



The AIChE Student Chapter was selected as an AIChE Outstanding Student Chapter for 2007. (The 06-07 Chapter president, Justin Butler, is shown in Susannah Scott's laboratory.)



Patrick Daugherty was awarded the 2007 Young Investigator Award by the Biochemical Technology Division of the American Chemical Society. This award recognizes his outstanding contributions to the field of protein engineering including the development of novel peptide display methodologies, fluorescent protein sensors, and library screening methodologies.



Frank Doyle was made a Fellow of the Institute of Electrical and Electronics Engineers (IEEE), for "contributions to nonlinear process control and analysis for biological systems".



Glenn Fredrickson won the 2007 Polymer Physics Prize of the American Physical Society. He also shared the 2008 American Chemical Society's Cooperative Research Award in Polymer Science and Engineering, with Ed Kramer, Frank Bates (U. Minnesota) and Steve Hahn and Dennis Hucul of Dow Chemical.



Jacob Israelachvili was awarded an Honorary Degree of Doctorate in Engineering from the University of South Florida.



Gary Leal was chosen as the 2008 Lacey Lecturer in the Department of Chemical Engineering at Caltech. This prestigious annual award honors outstanding research.



Duncan Mellichamp was selected by Purdue University to receive their "Outstanding Chemical Engineer Award" in Fall 2007. This award is presented each year to a select group of Purdue alumni, in 2007 to two of over 9,000 ChE alumni.



Dale Seborg was honored by a "Festschrift," a special issue of the *Journal of Process Control*, on the occasion of his 65th birthday. The journal articles were written by friends and former students.



Scott Shell received the Dreyfus Foundation New Faculty Award. Professor Shell will use the award to develop novel computational methods for the rational design of peptide and protein technologies. Professor Shell also received the Cottage Hospital - UCSB Special Research Award.



Todd Squires received a Faculty Early Career Development (CAREER) award from the National Science Foundation. The CAREER Program offers the foundation's most prestigious awards in support of early career development of teacher-scholars.



Matt Tirrell was selected for the AIChE William H. Walker Award, presented to a member of AIChE who has made an outstanding contribution to chemical engineering literature.

Meet the New Faculty



Mike Gordon joined the Department in August 2007 after six months as a visiting scientist at Caltech and two years as a post-doc in Grenoble, France at a CNRS research lab facility. Mike graduated from the Colorado School of Mines (BS, MS in ChE) and Caltech (MS in Applied Physics, PhD in ChE).

During his post-doc, Mike used scanning probe microscopy (STM/AFM) techniques to study size-related mechanical and electrical effects in confined systems such as quantum dots, thin dielectrics, and nanowires. With his Caltech advisor, Kostas Giapis, Mike designed and built a plasma-based ion beam accelerator/scattering system to investigate ion-surface interactions at low collision energies. Mike was an Intel Fellow at Caltech and also received the Economou prize in Chemical Engineering.

Mike's research at UCSB is focused on the development and application of scanning probe techniques. Mike is keenly interested in designing and building new instruments to probe and image the physico-chemical properties of surfaces to learn more about the underlying processes occurring at interfaces.

Mike is originally from Florida, but moved all around the eastern US while growing up. When not working on research, Mike enjoys mountain biking, hiking/climbing, and tinkering with cars.



Baron Peters joined the Department in the fall of 2007. He graduated from the University of Missouri at Columbia (BS in ChE, BS in Mathematics). His PhD thesis at UC Berkeley (with advisors Arup Chakraborty and Alex Bell) introduced state-of-the-art methods for using electronic structure calculations to understand catalytic reaction mechanisms.

Baron's postdoctoral research at MIT with Bernhardt Trout revealed the mechanism of protein deamida-

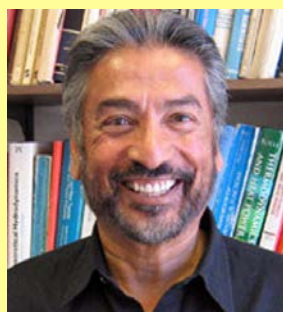
tion. Baron developed an approach for studying transition states of nucleation that earned international recognition as an important advance in simulation methodology. During a second postdoctoral position, with Berend Smit at the computational chemistry institute of the EU in Lyon, France, he studied enzymatic alkaloid synthesis and methane diffusion in natural gas hydrates.

Baron now focuses on catalysis, nucleation, and electron transfer mechanisms. He taught the applied math course last fall and looks forward to teaching mass transport in the spring.

Baron spent his youth exploring Missouri's creeks with a fishing pole. In graduate school he developed a love for backpacking in the Sierra Nevada, so he is happy to be in California. Baron and his wife Ban also enjoy Santa Barbara's pottery studios, tide-pools, and taquerías.

Professor Sanjoy Banerjee Retires

Sanjoy Banerjee has been a Professor of Chemical Engineering, with joint appointments in Mechanical Engineering and the Bren School of Environmental Science and Management. Previously in Canada, he was the Westinghouse Professor of Engineering Physics at McMaster University



and worked at the Whiteshell Nuclear Research Establishment of Atomic Energy of Canada. His research on thermo-fluid problems and the safety of process and power plants has led to numerous awards, including the ASME Melville Medal, the IChemE Danckwerts Lecturership, the ANS Technical Achievement Award, and the ASME Heat Transfer Memorial Award.



External Advisory Board

The Department of Chemical Engineering at UCSB convened its first External Advisory Board in February 2004, and annually thereafter, to work with the Department to complete our goal of being consistently ranked among the top five chemical engineering programs in the United States. The Board provides a crucial role in advising the Department on strategic relationships with industry, curriculum at both the undergraduate and graduate level, directions of future faculty hires, our reputation in academic and professional chemical engineering circles, and other strategic topics.

The Board convenes its annual meeting in the Spring Quarter at UCSB, and works closely with the faculty, the administration, the undergraduate students, the

graduate students and the staff to review the Department's activities and strategic plan, and to provide valuable feedback.

The Board members include distinguished academics from peer institutions, as well as senior-level corporate executives from the industries of direct relevance to our chemical engineering students (see table below). Over the course of its history, this distinguished Board has included Presidents and CTOs from industry, as well as Deans and Provosts from academia. The Department is particularly pleased to recognize the UCSB alumni on the Board: Darryl McCall (BS '78, Chemical Engineering) and Ron Kiskis (BS '70, Chemistry).

External Advisory Board Members, 2008

Mr. Robert Abrams, President, CV Holdings, LLC

Dr. Montgomery Alger, Vice President and Chief Technology Officer, Air Products

Prof. Frank Bates, Regents Professor & Head, Chemical Engineering & Materials Science Dept, University of Minnesota

Dr. Thomas M. Connelly, Sr. Vice President & Chief Science & Technology Officer, DuPont

Prof. Sangtae Kim, Donald W. Feddersen Professor, School of Chemical Engineering, Purdue University

Dr. Ronald C. Kiskis, President, Chevron Oronite

Dr. Charles T. Kresge, Global R&D for the Chemical Sciences Capability, Dow Chemical Company

Prof. Deborah Leckband, Reid T. Milner Professor, Department of Chemical & Biomolecular Engineering, University of Illinois

Mr. Darryl T.F. McCall, Vice President of Product Supply, Global Personal Beauty Care, Proctor & Gamble Company

Dr. Paul Reider, Vice President Chemistry Research, Amgen Chemistry Research & Discovery, Amgen, Inc.

Prof. William Russell, Arthur W. Marks '19 Professor & Dean of the Graduate School, Princeton University

Dr. Jeffrey J. Siirola, Technology Fellow, Eastman Chemical Co.

Dr. Thomas J. Stanley, General Manager for Technology, GE Plastics

Prof. George Stephanopoulos, Arthur D. Little Professor, Department of Chemical Engineering, MIT

Dear Alumni, Friends, and Family,

The UCSB Student Chapter of the American Institute of Chemical Engineers is pleased to announce that our chapter received an Outstanding Student Chapter Award at the 2007 AIChE Annual Meeting. The conference was held in Salt Lake City, Utah and was attended by the chapter President and Vice President. Our AIChE chapter strives to enhance every chemical engineering undergraduate student's education by introducing them to the working industry and the numerous possibilities in their future. We are focused on chapter growth and increased community involvement to have an active, successful year.

Our activities include monthly meetings, facility tours, info sessions, social events and community service. We hosted a résumé and career workshop and held info sessions with companies including Amgen, Chevron, Clorox, and Procter & Gamble. We have toured DuPont Displays in Goleta, Catalytic Solutions in Oxnard, and made a weekend trip to the Bay Area to tour the Clorox facility in Pleasanton. The student chapter members and faculty also participated in a wine tasting and fermentation seminar given by UCSB Class of '83 graduate John Poulos from the Sunstone Winery. We are fortunate to have such generous alumni who return to UCSB to give seminars, host info sessions, and provide internship and job opportunities to our diligent chemical engineers.

Our professional activities are accompanied by social events and community service. The aim of our social activities is to have all chemical engineering classes

interact so that the underclassmen can look to upperclassmen as mentors, friends, and invaluable future networks. We have had a pizza night at Giovanni's, a movie night, and gone bowling at Zodos. We provided a mentoring program in which a freshman or sophomore is paired with a junior or senior to act as a resource for all inquiries about, but not limited to, chemical engineering. We volunteered at Science and Technology Day in which 1000 middle school and high school students come to UCSB to learn more about the sciences and engineering. We hosted a seminar about polymerization to spark interest in one day becoming a chemical engineer.

Our chapter has a dedicated ChemE Car team managed by senior Jessica Webb and comprised of twenty chapter members, the highest involvement in many years. Our team meets weekly and has two sub-teams that each constructed one car to be entered into the ChemE Car competition at the 2008 Western Regional AIChE Conference hosted by UCLA. We hope to set a new standard for our team and to be recognized in upcoming conferences.

We plan to continue this high level of activity in the future. Donations of time and funds from alumni and friends are what make

our chapter so successful, and we thank you. For more information on our student chapter, please visit our web page on the Department web site: www.chemengr.ucsb.edu/aiche/organizations_aiche.php.



The Outstanding Student Chapter Award is presented to Kimia Namazian.

**Sincerely,
Kimia Namazian
AIChE Student Chapter President**

AIChE Student Chapter Officers (2007-08)

President: Kimia Namazian (senior)
Vice President: Noah Eckert (senior)
Treasurer: Laurel Wixson (junior)
Secretary: Jamie Vado (senior)
Senior Representatives: Alexa Jahnke,
 Bounley Bounleuth

Junior Representatives: Florencia Rusli, Ari Nachison
Sophomore Representatives: Matt Shaner,
 Andrew Gasperini
Freshmen Representatives: Samuel Shaner,
 Amelia Bagheri
Faculty Advisor: Frank Doyle

Congratulations to our Eleven 2006-07 PhD Graduates

Mustafa Akbulut

Advisor: Jacob Israelachvili
Dissertation: Physical, Electrical and Chemical Processes at Shearing Junctions
Employment: Post-Doc, Princeton

Marcos Borrell Hernandez

Advisor: Gary Leal
Dissertation: Thin-Film Stability in the Formation of Polymeric Blends, Foams, and Nanostructured Materials
Employment: Allergan

Kevin Boulware

Advisor: Patrick Daugherty
Dissertation: Cellular Libraries of Peptide Substrates (CLiPS): A high-throughput method for proteolytic enzyme characterization
Employment: Post-Doc, Caltech

Julie Champion

Advisor: Samir Mitragotri
Dissertation: Engineering of Polymeric Particle Morphology for Applications in Drug Delivery
Employment: Asst Prof, Georgia Tech

Tuan Dinh

Advisor: Samir Mitragotri
Dissertation: Discrete Nanoscale Transport: Theories, Simulations and Applications
Employment: Post-Doc, UC Berkeley

Michail Kapnistos

Advisor: Gary Leal
Dissertation: Linear and Nonlinear Rheology of Architecturally Complex Polymers
Employment: Post-Doc, Leeds University

Elizabeth Knowlton

Advisor: David Pine
Dissertation: A Microscopic and Macroscopic Study of Dense Emulsion Rheology
Employment: Parenting

Marco Mena

Advisor: Patrick Daugherty
Dissertation: Protein Engineering by Coupling Rational Design and Combinatorial Screening
Employment: Condon Devices

Chinmay Pangarkar

Advisor: Samir Mitragotri
Dissertation: Discrete Transport Phenomena in Endocytosis
Employment: Post-Doc, UC Berkeley

Gila Stein

Advisor: Ed Kramer
Dissertation: Ordering of Spherical Domain Block Copolymers in Monolayers and Multilayers
Employment: Post-Doc, NIST

Dimitrios Stroumpoulis

Advisor: Matthew Tirrell
Dissertation: Surface Modification Using Peptide Functionalized Bilayers
Employment: Allergan

Welcome Incoming Graduate Students

Debra Audus

Undergraduate Institution: Cornell
Advisor: Fredrickson

Aviel (Avi) Chaimovich

Undergraduate Institution: McGill
Advisors: Shell/Israelachvili

Nathan Duff

Undergraduate Institution: Case Western Reserve
Advisor: Peters

John Frostad

Undergraduate Institution: University of Washington
Advisor: Leal

Justin Jahnke

Undergraduate Institution: Princeton
Advisor: Chmelka

Brandon Knott

Undergraduate Institution: Arizona State
Advisors: Chmelka/Tirrell

Dong Hun Kim

Undergraduate Institution: Seoul National
Advisors: Squires/Zasadzinski

Kyu Han Kim

Undergraduate Institution: KAIST
Advisors: Doherty/Peters

Travis Koh

Undergraduate Institution: Johns Hopkins
Advisors: Gordon/Israelachvili

Zubin Kuvadia

Undergraduate Institution: University of Mumbai (UIC)
Advisor: Doherty

Hlaing (Benny) Min

Undergraduate Institution: Berea College
Advisor: Eric McFarland

Matthew Paul

Undergraduate Institution: Georgia Tech
Advisor: Gordon

Isaac Riisness

Undergraduate Institution: Tulane
Advisor: Gordon

Benjamin Smith

Undergraduate Institution: Queens University
Advisors: Chmelka/Israelachvili

Stephen Michael Stewart

Undergraduate Institution: North Carolina
Advisor: Scott

Jing Yu

Undergraduate Institution: Tsinghua University
Advisor: Israelachvili

Zachary (Zach) Zell

Undergraduate Institution: Univ. of Michigan
Advisor: Leal

You Can Again Call UCSB Home!

On June 8-10, 2007, we held our memorable Celebration of 40 years of Chemical and Nuclear Engineering at UCSB. The event was organized by alumni (the Alumni Executive Committee), with Duncan Mellichamp's indefatigable assistance.

The aims of the Committee were to honor the founding faculty, in particular Dr. Rinker; to establish an endowment to maintain the newly named Robert Rinker Chemical Engineering Undergraduate Laboratory for all future Gauchos; and to bring together as many alumni as possible with a view to creating an active alumni network.

From the outset, the Committee received spontaneous offers of help from alumni, faculty and campus administrators. No one could have anticipated the pent-up excitement that existed: clearly many alumni wanted to call UCSB home again.

The Committee was delighted with the success of the inaugural event. It showed the pride we have in our Department's Top 10 national academic standing and our gratitude for the superb education we received. With extensive assistance from the AIChE



Founding faculty Robert Rinker, Orville Sandall and Duncan Mellichamp receive their plaques from Department Vice Chair Dale Seborg. (See the Department website for more photos.)

Student chapter, we located 90% of our 1143 alumni. Alumni, along with some special friends of the Department, helped us to meet 60% of the endowment goal (\$500k). Thanks to the generosity of many of you, we were able to present an endowment in the name of Dr. Rinker to the Department, which will maintain the laboratory in perpetuity.

Come and join us, April 25-27, 2008: All Gaucho Reunion

The UCSB Chemical Engineering Alumni are gathering during the weekend of the All Gaucho Reunion. Come home and join us during this campus-wide event April 24-27.

www.ucsbalum.com/All_Gaucho_Reunion

Friday, April 25, 5 - 7 PM

ChE Alumni Reception
Mosher Alumni House, UCSB Campus

Saturday, April 26, starting at 3 PM

Beach Party/Pizza Oven Construction
Goleta Beach

Sunday, April 27, noon - 2 PM

Self-Guided Winery Tour and Reception
Sunstone Winery, Santa Ynez

There are no fees for any of these events!

To register or receive more information about the ChE events, contact cheadmin@chemengr.ucsb.edu.

As engineers tend to thrive on projects, this year we will build and cook in a wood fired pizza oven. Marc Privitera (Class of '86) will lead us in this fun project and then everyone brave enough can enjoy hand made pizzas and refreshments. Construction of ovens begins Friday evening and, on Saturday, we will transport these to nearby Goleta Beach Park where all alumni, faculty, staff, ChE students and their families are welcome to join us. We will research the rheology of yeast-raised dough (kneading and throwing). Then we will monitor the heat transfer of circular starch wafers coated with a slurry of *Solanum lycopersicum* (tomato) and topped with a Bingham plastic extract of coagulated bovine mammary gland extract (cheese). Little quantitative modeling of the kinetics is expected as the participants grasp 400cc silicon dioxide vessels containing a byproduct of *Vitis vinifera* and *Saccharomyces cerevisiae* (wine). So, come and join us meet people, catch up and have fun making and eating pizza.

You can help us attain our fundraising goal by contributing as follows: identify addresses for missing alumni and participate in the on-going fund drive. Please contact cheadmin@chemengr.ucsb.edu.

The weekend celebration began with a reception Friday evening at the newly completed Mosher Alumni House on the Mellichamp terrace. In order to help



Keynote speaker, Astronaut Leroy Chiao (PhD, 1987)

break the ice, there were photos of the early days in the Department and posters of current research. On Saturday, alumni and students came together for campus tours and a series of competitions involving problem solving and a unit operations relay race. Dr. Alejandro Parra led a tour of the new instructional and research laboratories, showing us the new experiments and the wide range of ChE research. The AIChE student chapter guided the dazed but happy alumni through the competitions.

The crowning event of the weekend was the celebratory reception and dinner in the Corwin Pavilion on Saturday evening, commemorating the 40th Anniversary and recognizing the founding faculty. It was very enjoyable seeing our former teachers again and meeting new faculty.

Several faculty and alumni addressed the crowd of nearly 200. Matthew Tirrell, Dean of the College of Engineering, welcomed the guests and spoke of the accomplishments and global recognition received by the ChE Department. Chancellor Henry Yang underscored the value of an active alumni network to the university. The keynote speaker, astronaut Leroy Chiao (PhD Class of '87), praised the value of a UCSB ChE education, and provided a gentle roasting of Dr. Rinker. After receiving more attention than he desired, Dr. Rinker humbly thanked us all and entertained us with his usual wit and wry observations.

Sunday, alumni and faculty toured the Santa Ynez Valley wine country, reminding us that fermentation is the oldest form of chemical engineering.

Alumni Profiles



Darryl McCall is Vice President Product Supply at Procter & Gamble's corporate headquarters in Cincinnati, Ohio. He joined P&G after graduating from UCSB in 1978.

Darryl began his P&G career in corporate engineering in Cincinnati and held engineering roles at the European Technical Center in Brussels, Belgium ('85 to '87). He then moved to manufacturing and later became the plant manager of the Hamilton, Ontario facility ('90 to '94). His manufacturing experience led him into supply chain management where he was first responsible for EMEA Personal Beauty Care while in Surrey, England ('94 to '00), and then Global Personal Beauty Care. After returning to Cincinnati in 2000, he became reacquainted with the Chemical Engineering Department, becoming a member of the External Advisory Committee in 2003 and a founding co-chair of the Alumni Executive Committee.

Darryl enjoys cycling, canoeing, and enjoying travel and time with his family. Darryl is married to Miren Letemendia, and has a 24 year-old son, Nathan.



John Poulos has a BS degree in ChemE from UCSB (1983) and an MBA from UCLA (1997).

He is semi-retired from a nearly 20-year career in the biopharmaceutical industry. Sixteen years were spent with Amgen, from the early entrepreneurial days through its emergence as a leading global corporation. John's areas of focus included process development and information systems.

John is currently a partner in two wineries in Santa Barbara County where he labors and enjoys the fruits of the most ancient biotechnology industry. He is actively involved in angel finance of start-up companies, serving on the board of advisors of the Maverick Angels.

John and his wife, Martha McCabe (UCSB ChE '83), live in Camarillo, CA. They have three sons with engineering inclinations.

We wish to acknowledge and thank these special friends to the Department of Chemical Engineering: 2007 – 2008 Donors

Ran Abed (MS '70, PhD '73)
 Jaime (PhD '75) and Teresita Ampaya
 Anonymous
 Douglas Asbury (BS '82)
 Joseph (PhD '71) and Randi (BA '71) Ault
 Gary (BS '73) and Linda Backens
 Carina Billigmeier-Cooter (BA '75)
 Trista Berkovitz (BS '78)
 Dominique Bonvin (PhD '90)
 Robert Lee Boughton, III (MS '80)
 Bill Boyer (BS '81)
 Barbara Bridwell (BS '79)
 Kelly (MS '86) and Lesli (BA '85) Brodbeck
 Justin Butler (BS '07)
 Guy Chambers (BS '78)
 Thomas (BS '78) and Marianne Chard
 Leroy (MS '85, PhD '87) and Karen Chiao
 Sean Christiansen (PhD '01)
 Barbara Crowell (BS '77, MS '80)
 Brian (BS '94) and Amy Dyson
 Glenn and Lesley Fredrickson
 Scott Gordon (BS '85)
 Phil (BS '69) and Susan (BA '69) Grover
 John (BS '74) and Karen (BA '74) Gulliver
 Kandas Habtemariam (BS '98)
 Paul (BS '70) and Nancy Helman
 James Heslin (BS '73) and Rose Hau
 Holly Hirschert (MS '83)
 E. L. Skip Holmes (BS '77)
 Ching-Hsing Kao (MS '75)
 Ralph (MS '86) and Debbie Kappelhoff
 Gary and Mary Leal
 Renn Levy (BS '78)
 Rudolph Lisa (BS '68)
 Ed (BS '75) and Fran MacNeel (BA '75)
 Darryl McCall ('78) and Miren Letemendia
 Gene (BS '73) and Sue (BA '73) Lucas
 Paul (PhD '85) and Juliann (MA '84) Maurath
 Melanie (BS '86) and Chris McNeil
 Duncan and Suzanne (MA '70) Mellichamp
 Mr. and Mrs. Arnold Miyamoto (BS '82)
 Sara Moore (BS '99)
 J. Duane Morningred (PhD '99)
 Rich Myers (MS '76)
 Charles (BS '80) and Annette Orella

Michael Oye (BS '99, '00)
 Keith (BS '74) and Elaine Parsons
 Stephen Pegors (BS '78)
 Marc Privitera (BS '86)
 John Poulos (BS '83) and Martha McCabe (BS '83)
 Robert and Dayle Rinker
 Ryan Roskovensky (BS '96)
 Orville and Pat Sandall
 Michael Saucier (BS '83, BA Chem '83, MS '84)
 David C. Scatena (BS '99)
 Warren G. and Katharine S. Schlinger
 Dale and Judy Seborg
 Todd Squires
 Sara Stewart (BS '99)
 Matthew Tirrell and Pamela LaVigne
 David Warren (BS '72) and Patricia Flynn (BA '74)
 Dale (MS '75, PhD '80) & Susan (BS '78) Wilson
 Robert (MS '85, PhD '89) and
 Katharine (MA '86) Young
 Jay (BS '81) and Julie (BS '81) Zeilenga

Organizations

American Chemical Society
 BASF Corporation
 Catalytic Solutions
 Clorox Company
 Clorox Company Foundation
 Chevron
 The Camille & Henry Dreyfus Foundation
 ExxonMobil
 Exxon Research and Engineering Company
 The William Randolph Hearst Foundation
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 Korea Advanced Institute of Science and Technology
 Merck & Co., Inc.
 Merck Company Foundation
 Morrow Service Inc.
 Procter & Gamble Company
 The Procter & Gamble Fund
 Santa Barbara Cottage Hospital
 Warren G. and Katharine S. Schlinger Foundation
 Theofanous & Company, Inc.
 Transpara Corporation
 Vapore, Inc.
 Weyerhaeuser Company



How You Can Help

Department Alumni Questionnaire

We want to hear from you! Please fill out the questionnaire below and mail using the attached envelope.

Name: _____ Former name (if any): _____

E-mail address: _____

Year of graduation: _____ Degree: _____ Field (ChE or NucE): _____

Employer and location: _____

Comments or additional information: _____

Information that could be included in a future ChE News: _____

Would you like to help the Department of Chemical Engineering?

With the generous support of our alumni and friends, the following can be realized:

- **Undergraduate support:** Scholarships, laboratory needs
- **Graduate support:** Fellowships, special seminars
- **Rinker Laboratory Endowment**
- **Research initiatives**

For more information on how you can help, please contact:

Dan Oh

Assistant Dean of Development,
Engineering and the Sciences
(805) 893-7223
dan.oh@ia.ucsb.edu

To make a contribution, please fill out the form and mail using the attached envelope:

Engineering & The Sciences Development

Development – MC 6035
1 UCSB
University of California, Santa Barbara
Santa Barbara, CA 93106-6035

Yes! I want to support the Chemical Engineering Department

- Enclosed is my gift of \$ _____
- I wish to establish a pledge of \$ _____.
Enclosed is my partial payment of \$ _____.
Please bill me for the pledge balance:
Beginning date: _____ Quarterly Semi-annually
- Matching gift employer:** _____
Matching gift form is enclosed: Yes No

GIFT DESIGNATION

- Please direct my gift where the need is greatest in Chemical Engineering, at the discretion of the Department Chair
- Please use my gift for the following: _____

PAYMENT METHOD

- I have enclosed a check payable to **UC Regents**.
- Please charge \$ _____ now to my credit card.
 VISA Master Card American Express Discover
Name (as it appears on card): _____
Account number _____ Exp. date _____
Signature _____

PLEASE TELL ME HOW I CAN

- Make a gift using securities Enjoy the benefits of estate planning

Signature: _____ Date: _____

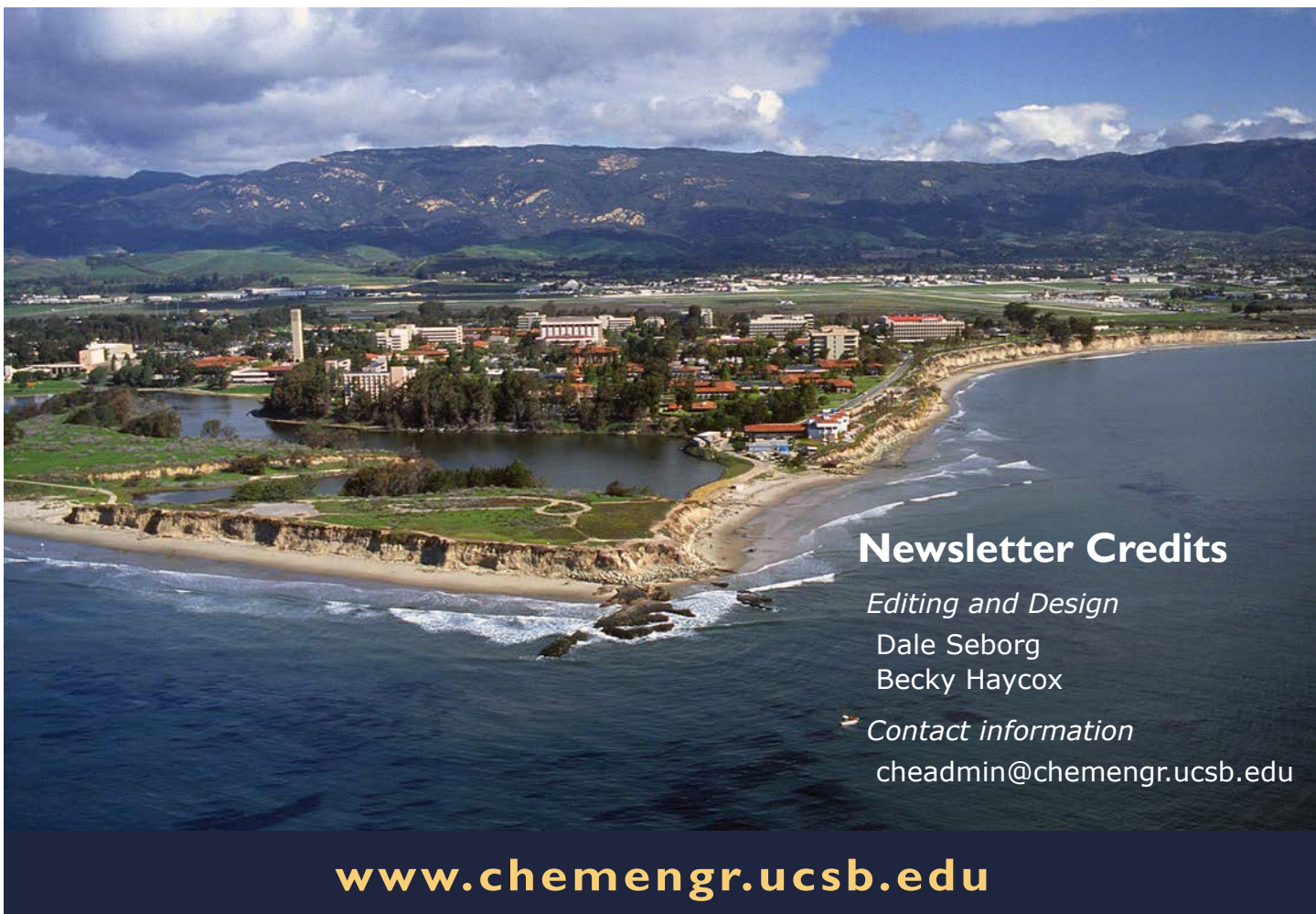


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