



*Dr. Donald Cram, 1987 Nobel Laureate in Chemistry and Ninth Annual Distinguished Visiting Lecturer, Sponsored by Unocal Corporation.*

## **Ninth Annual Distinguished Lecturer is Nobel Laureate**

The winner of the 1987 Nobel Prize in Chemistry was guest for the day of the Student Affiliates of the American Chemical Society and the Chemistry Department on Wednesday, February 17th. Susan Boggs, SAACS President, wrote Professor Donald Cram of the UCLA Department of Chemistry soon after he returned from Nobel Award ceremonies in Stockholm, and he graciously accepted the invitation to be our ninth guest for the Annual Distinguished Lecture Series, now under the sponsorship of UNOCAL Corporation.

The day began with a television interview taped at the campus TV Center with Darwin Mayfield as host. The camera crew did an excellent job on closeups of the actual prize medal and the award document presented by King Gustav of Sweden.

Members of the Student Affiliates enjoyed a leisurely lunch with Dr. Cram and took him on a tour of the department. Then came the Wednesday afternoon seminar which was moved to the largest Science Lecture Hall to accommodate a sizeable audience. Here Professor Cram spoke of some of the research for which the prize was awarded. He illustrated structures of synthesized molecules, which mimic enzyme action, with large CPK molecular models. These molecules, which

## **Dr. A. G. Tharp Retires**



*Dr. A. G. Tharp.*

Dr. A. G. Tharp, a faculty member in the Department of Chemistry since 1959, retired at the end of the fall semester of 1987, after 28 years of teaching service. Dr. Tharp will best be remembered for his teaching assignments in the second semester of the year course in general chemistry where an estimated 5,000 students received instruction from him in subjects such as chemical bonding, periodicity of the elements and inorganic qualitative analysis. Dr. Tharp was effective in stimulating students to consider graduate work in chemistry, and as a result of his influence a significant number of students chose Purdue University, the institution from which he received his doctorate, to study for their PhD degrees. Among them were Dr. Howard Stephens, Dr. Evord Knights, Dr. Ralph Knights, Dr. William Lake, Dr. Robert Hutchins and Dr. Mark Kasner.

Dr. Tharp obtained his BS in Chemistry from the University of Kentucky and his PhD from Purdue and was a postdoctoral associate at UC Berkeley prior to coming to CSULB. He maintained consultancies for many years with the Lawrence Radiation Laboratory and Sandia Corporation in Livermore, CA. Together with Dr. Henry Po, Dr. Tharp wrote a laboratory manual in qualitative analysis entitled, "Second-semester General

## Department Chairman's Report

When we are involved in the day-to-day operation of the department we tend to lose sight of changes and trends which have occurred with time. On occasion it is worthwhile to step back and view developments, some of which were carefully planned and others impressed upon us by events beyond our control. I have delved into our records and have tabulated changes which have occurred in several categories over the last ten years. Between 1977-78 and 1987-88 the department showed remarkable stability in the number of students enrolled and the number of majors listed. Nationally, there has been a significant downturn in enrollments in chemistry programs, so we feel fortunate that we have not been seriously affected by this trend. In terms of degree productivity, we had our largest graduating class this year, estimated to be 80 (final graduation eligibilities have not yet been determined).

	<u>1977-1978</u>	<u>1987-1988</u>	<u>Ten-Year</u>
	<u>Academic Year</u>	<u>Academic Year</u>	<u>Difference</u>
Student Enrollments (Fall)	250	2815	+306
Freshman Chemistry (Fall)	421	405	-16
Organic Chemistry (Fall)	192	269	+77
Majors (Undergraduate)	197	192	-5
Majors (Graduate)	46	43	-3
Graduates (BA/BS)	26	66	+40
Graduates (MS)	5	14	+9
Tenure-Track Faculty	27.5	23	-4.5
Research Students	44	52	+8

The most noteworthy happenings during the last academic year are contained in other articles in this issue of the *Newsletter*. However, I would like to comment briefly on several that are not:

**BS Program in Biochemistry.** Last year we announced the inauguration of the new BS Degree program in Biochemistry. Much interest has been shown in this major, especially by pre-health students (medical, dental, etc.). At the end of the first year of the program we graduated eleven students, and the numbers will continue to grow as more students meet degree requirements and the existence of the degree becomes more widely known. Ninety-three of the 182 new majors admitted to chemistry degree programs for the coming year have indicated Biochemistry to be their undergraduate major! Because we now have undergraduate and graduate programs in Chemistry and Biochemistry, we are petitioning the University for a department name change to The Department of Chemistry and Biochemistry.

**Renovation of Facilities.** The planned renovation of the Chemistry facilities has gone disappointingly slowly--in fact, there has been no construction as yet. Delays have been caused by lack of funds and architectural changes, but we are hopeful that the project will begin late next spring. Dr. Robert Loeschen is heading a committee which has been responsible for detailed planning and coordination with the architects and engineers. As part of the renovation it is planned that the department will receive over one-half million dollars in funds for new equipment.

**Ties with Alumni.** The involvement of our alumni with the Chemistry Department is very heartening. Alumni are actively represented on the Chemistry Advisory Council and, occasionally, on our list of seminar speakers. They and other alumni are faithful in notifying us about job opportunities for our graduates with their companies. Gifts to the department from our alumni increase each year and have become a substantial source of funds for scholarships, awards and other activities designed to attract the best students and to improve the quality of our programs. Thank you very much for your support! We always enjoy your visits to the department, your letters (which are posted on the Alumni Bulletin Board for faculty and staff to read) and your responses to the *Newsletter*. Let's continue to communicate! With very best wishes,

*Ken Marsi*

**Dr. Cram:** *From Page 1.*

mimic enzyme action, with large CPK molecular models. These molecules, which resemble cages, have been designed to act as "hosts" that selectively orient "guest" molecules or ions and catalyze their reactions. He spoke of current applications of his research and predicted still further possibilities for the near future. At the conclusion of the technical and theoretical part of the talk, Dr. Cram amused the audience with anecdotes on life after receiving **The Prize**.

The day ended with a reception attended by students, faculty and guests; and a dinner in Dr. Cram's honor.

**Dr. Tharp:** *from Page 1.*

Chemistry," published by Burgess Publishers.

He has chosen Quezon City in the Philippines as his retirement home. The climate is good for pursuing his hobby of orchid cultivation. Currently, he is in the process of building a large home "close to the airport, just in case I need to escape quickly." Concerning his years at Cal State Long Beach he writes, "Certainly there will never be any regrets in coming to Long Beach. It was a great choice, and I hope that everyone there will realize how truly fortunate they are. Everything may not be exactly ideal, but on the average it is a fine place to work."

### New Appointments to the Chemistry Advisory Council

During the past year several members of the industrial and business community have been appointed to the Chemistry Advisory Council. They include William C. Brunson, Manager, West Coast Operations, GAF Chemicals Corporation; Dr. Steve Jones, Laboratory Manager, BCL Associates, Inc.; M. C. Laird, Technical Manager, Process Support, Shell Oil Company; and Charles Murrell, West Coast Operations Manager, Monsanto Chemical Company. Members of the Advisory Council meet twice yearly with the Chemistry Faculty and

representatives of the University Administration to advise the department in curriculum matters and to assist with projects of mutual interest. Of the twenty-four members of the Council, six are alumni of the Chemistry Department. The Council is helpful in assisting with job placement of graduates.



*Dr. Curtis L. McCray*

### Dr. Curtis L. McCray: New President of CSULB

For the first time in eighteen years, CSULB has a new president, Dr. Curtis McCray. President Stephen Horn resigned his office effective July 1, 1988, to return to the classroom as Professor of Political Science this fall. The Acting President until August 1, 1988, when Dr. McCray assumed the presidency of the University, was Dr. June Cooper, Vice President for Faculty and Staff Relations. Dr. McCray becomes the fourth president since the founding of the University in 1949, and was appointed by the Board of Trustees of the California State University System after a national search.

President McCray holds a BA in psychology from Knox College, Galesburg, Illinois, and a PhD in English from the University of Nebraska. He served as Dean of the School of Arts and Sciences, then as Vice President of Academic Affairs, at Saginaw Valley State College in Michigan. He subsequently became Provost/Vice President for Academic Affairs at Governors State University, Illinois, in 1977, and went from there to the presidency of the University of North Florida in Jacksonville in 1982.

### Dr. Gwendolyn Raine Appointed Assistant Professor in Physical Chemistry



*Dr. Gwendolyn Raine*

After a nation-wide search which netted about 80 applications, the chemistry faculty chose to recommend Dr. Gwendolyn Raine for appointment to a tenure-track position in physical chemistry as an assistant professor. During the 1987-88 academic year Dr. Raine was a full-time lecturer in our department, teaching physical chemistry courses for the BA and BS chemistry majors.

Dr. Raine obtained her BS degree in chemistry at UC Irvine where she was involved in undergraduate research in ion cyclotron resonance spectroscopy. In recognition of the quality of her undergraduate research accomplishments she was presented with the Donald L. Bunker Memorial Award. Her PhD is in the field of theoretical chemistry and was performed under the direction of Dr. Henry Schaefer III at UC Berkeley. Her area of interest is in the use of *ab initio* calculations to predict vibrational spectra of small molecules.

Following receipt of the PhD, Dr. Raine continued postdoctoral studies with Dr. Schaefer at Berkeley, and was an instructor in the Chemistry Department at California State University, Sacramento, before coming to CSULB.

Dr. Raine has taken a year's leave of absence to become a postdoctoral associate of Professor Warren Hehre at UC Irvine and will return to CSULB to resume her duties during the fall of 1989.

**Dr. Annie Bianchino Returns  
to CSULB as Lecturer in  
Biochemistry**



Dr. Annie Bianchino

Prior to undertaking her studies for the PhD at UCLA, Dr. Annie Bianchino was an effective and popular part-time instructor in our department during the period, 1981-84. Dr. Bianchino writes, "I am looking forward to rejoining the department as a lecturer. I greatly enjoyed my previous part-time teaching at CSULB. In fact, it is because of that positive teaching experience that I decided to return to graduate school for the PhD so that I could embark on a full-time career teaching biochemistry." Dr. Bianchino received her BS in Chemistry at Brooklyn College and the MS in Biochemistry from UC San Diego. Her doctoral work was supervised by Professor Verne Schumaker at UCLA, where she studied the triggering and regulation of the classical complement cascade, which is part of the immune system and inflammation.

**Former Faculty and Staff: Where  
are They Now?**

**Dr. Gary A. Braden** (Lecturer 1978-80) is Process Chemist with Amvac Chemical Corporation in Los Angeles and lives in Los Alamitos, CA. He is involved in developing procedures for the synthesis of pesticides.

**Robert Clark** (Glassblower 1978-

**Dr. Kimberly A. Schugart  
Appointed Lecturer in Physi-  
cal Chemistry**



Dr. Kimberly Schugart

Appointed as Lecturer in Physical Chemistry for the 1988-89 academic year is Dr. Kimberly A. Schugart, presently a postdoctoral associate of Professor William A. Goddard III at California Institute of Technology. Dr. Schugart's doctoral research was conducted in collaboration with Professor Richard F. Fenske at the University of Wisconsin and centered on understanding the properties of a series of bis-bridged organometallic complexes using Fenske-Hall molecular orbital theory. Her postdoctoral work has involved use of *ab initio* methods to understand how H-H and C-H bonds become activated in the presence of early transition metal systems. Although a Southern Californian from Palos Verdes, Dr. Schugart received her BS degree from Northwestern University where she was elected to Phi Beta Kappa.

1985) and his wife, Sharon, announce the arrival of a son, Robert Martin Clark (Robbie), born July 16, 1987. Bob Sr. retired from CSULB and is pursuing a new career in the Bay Area. He and his family live in Windsor, CA.

**Dr. Michael Cohen** (Lecturer 1984-85) is employed as a research chemist at BioResearch Corporation in San Diego, CA.

**Dr. Charles "Pat" Dunne** (Assistant Professor 1976-81) is a research biochemist with the Department of the Army, Natick Research, Development and Engineering Center in Natick, MA. His wife, Maureen, teaches in the Economics Department at Framingham State.

**Dr. Tom Goynes** (Lecturer 1986-88) has accepted a tenure-track position as Assistant Professor of Chemistry at Valparaiso University, Valparaiso, IN.

**Dr. Margaret "Peggy" Kline** (Lecturer 1984-87, Part-time Faculty 1987-88) has accepted a tenure-track position in the Department of Chemistry at Santa Monica City College.

**Dr. Shelly Kumar** (Lecturer 1985-87) is a postdoctoral associate with Dr. Christopher Foote at UCLA.



Dr. Linda McGown

**Dr. Linda McGown** (Assistant Professor 1979-83) moved from Oklahoma State University to Duke University in Durham, NC, where she has accepted a position of Associate Professor in Analytical Chemistry. Her research efforts are focussed on the use of fluorescence spectroscopy for chemical analysis. Areas of application of her work include environmental analysis, clinical chemistry, forensic chemistry, toxicology and biochemistry.

**Dr. Terri Shaw Speakman** (Lecturer 1980-83) is Senior Market Analyst with US Borax Research Corporation in Anaheim, CA. She and her husband, Dave, are in the process of moving aboard their sailboat.



**Dr. Roger Acey's Blochemistry Research Group**

*Front Row, left to right: Patricia Healy, Sharon Squires, Stacie Bailey, David Miller, Utha Hellman. Back Row, left to right: Eric Keller, Denis Guttridge, Dr. Roger Acey, Michael Bundy. Not shown: Cathy Bedolla, Martin Edep, Lori Ishazawa, Michael Mustillio, September Rivera.*



**Dr. Nail Senozan's Biophysical Chemistry Research Group**

*Foreground, seated: Dr. Nail Senozan. Others, left to right: James Cirillo, Deborah Simon Allison, Timothy Brady, Kristin Lincoln, Kevin Miller, E. Kenneth Lesniewski.*

## Chemistry Faculty News

**Dr. Roger Acey** has a research group of fourteen students. "Cathy Bedolla, September Rivera and Stacie Bailey are the newest undergraduate members of my laboratory. Mike Bundy is the latest graduate student, and Patty Healy graduated this summer and plans to work in cancer research in San Diego. Sharon Squires, Denis Guttridge and Utha Hellman are putting the finishing touches on their research projects and will graduate in December. Utha will enter the PhD program at UC Davis. Eight of us attended the NATO Workshop on the Cell and Molecular Biology of Artemia Development in Montreal, Canada, in August. I presented a lecture, while David Miller and Sharon Squires conducted poster sessions. During the year we were supported by the NIH, Chevron Oil Field Research Corporation, the Citrus Research Board, Memorial Hospital and internal support from the University. Martin Edep, a Minority Access to Research Careers student in my laboratory, will enter UC San Francisco this fall as a medical student. Lori Ishazawa has joined my group as a research technician as our work on CTV, a viral pathogen of citrus, continues. Eric Keller was awarded a summer scholarship and will be working on the CTV project. Last, but not least, Mike Mustillio continues as a volunteer researcher.

**Dr. Dennis Anjo** published an article entitled, "Digital back off for computer-controlled flash spectrometers," *Rev. of Sci. Instruments* 1987, **58**, 1629. "Michael Wanger has begun research on the carbon electrode activation project; Greg Whitaker is involved with the singlet oxygen project, as is Tim Bacon. I would like to wish all my past students good fortune, and I hope you will write soon!"

**Dr. Peter Baine** will become Coordinator of the Freshman Chemistry (Chem 111A) program this fall.

**Dr. A. J. "Jack" Berry** has two graduate students working in his laboratory, Louie Wollenberger, who is completing the writing of his thesis, and Jeff Shapiro, a new graduate student. Undergraduates, Mike Townsend and Burt Takeuchi, have also joined his research group. All will be working on a new project, "Antibodies to Multiple Muscle Antigens in Myasthenia Gravis." The Long Beach Memorial Hospital has funded a small grant for this project, and Dr. John Keesey, a neurologist at the hospital, will obtain patient blood samples for the study.

**Dr. Jeff Cohlberg** had a paper, coauthored by Hamid Hajarian and Suzanne Sainte-Marie, published in *J. Biol. Chem.* 1987, **262**, 17009, concerning solution properties of neurofilament proteins. He is continuing work on neurofilaments and is also investigating interactions between intermediate filaments and mitochondria. His research group presently includes two graduate students and four undergraduates. Dr. Cohlberg was promoted to Professor of Chemistry in May.

**Dr. Ron Garber** coauthored a paper entitled, "The avuncular index and the incest index in paternity blood test calculations," to appear in *J. Forensic Haemogenetics*.

**Dr. Dorothy Goldish** served on the Presidential Selection Advisory Committee, as well as continuing as Chair of the Planning and Educational Policies Committee. A paper entitled, "Provocative opinion: Let's talk about the organic chemistry course," to be published in *J. Chem. Educ.*

**Dr. Tom Goyne** has coauthored a paper, "Nuclease activity of 1,10-phenanthroline-copper ion. Chemistry of deoxyribose oxidation," *J. Am. Chem. Soc.* 1987, **109**, 2846.

**Dr. James L. Jensen** has had four of his research students receive their MS degrees during 1987-88: Greg Shaw, Bob Siegel, Frank Hwang and David Maynard. Both Greg and Dave presented papers based on their thesis work at the 1987 Pacific Conference on Chemistry and Spectroscopy. The research on metal ion-promoted hydrolysis of O,S-acetals is being continued by Alex Seizew and Rick Pagliery, and the final project on hemiacetal breakdown is being carried out by Art Dixon. Dr. Jensen continues as Associate Dean of the School of Natural Sciences. He is serving as Project Director on three NIH multiple-investigator grants. Papers on this work are to be presented at the IUPAC Conference on Physical Organic Chemistry in Germany, the National ACS Meeting in Los Angeles, and the 1988 Pacific Conference on Chemistry and Spectroscopy in San Francisco.

**Dr. Gene Kalbus** is coauthor, with Dr. Van Lieu, of a paper entitled, "Incorporation of consumer products in the teaching of analytical chemistry," *J. Chem. Educ.* 1988, **65**, 207.

**Dr. Van T. Lieu** has coauthored several papers including: "Evaluation of slime-producing bacteria in oil field core flood experiments," *Applied and Environmental Microbiology* 1987, **53**, 278; "Potentiometric titration of acidic and basic compounds in household cleaners," *J. Chem. Educ.* 1988, **65**, 184; "Pyrolysis/microcoulometric determination of total organic halides in solids and oily wastes," *Proceedings of the US Environmental Protection Agency Symposium on Solid Waste Testing and Quality Assurance, Vol. 1*, 1987, Washington DC; "Incorporation of consumer products in the teaching of analytical chemistry," *J. Chem. Educ.* 1988, **65**, 207.

**Dr. Robert Loeschen** has spent a busy year as coordinator for the Freshman Chemistry program, as chairman of the Chemistry Department's Space and Facilities Committee and as chairman of the School of Natural Science's Renovation Committee.

**Dr. Marco Lopez**, after a year's leave of absence as a postdoctoral associate of Professor Peter Coleman in the Department of Pharmaceutical Chemistry at UC San Francisco, will begin his duties as Assistant Professor, teaching in the organic chemistry program.

**Dr. Kenneth L. Marsi** served as a reviewer of chemistry programs at California State University, Los Angeles, and Florida Atlantic University, Boca Raton. He was the featured speaker at the Department of Chemistry Honors program at the University of Kansas, April 30. He is also participating with the National Institutes of Health in a testing program involving new compounds which he and his students have synthesized.

**Dr. Darwin Mayfield** taught a section for PROJECT RETRAIN, administered through the Science Education office with funds from the Los Angeles County Unified School District.

**Dr. Steven McDowell** has a research group of nine students working with him, two of whom, Cynthia Stromen and Carter White, have received research awards. He reported that he enjoyed teaching Advanced Inorganic Chemistry (Chem 431) for the first time. He coauthored a paper entitled, "Reactivity of perhydroxyl (HOO) with 1,4-cyclohexadiene (model for allylic groups in membranes)," *Chem. Res. in Toxicology* 1988, **1**, 97.

**Dr. Margaret Merryfield** reports, "Over the past year, my lab continued to be a well-populated place, with four graduate students and five undergraduates at work. My major research interest is in the regulation of enzymes by reversible phosphorylation; I will present some of our recent results at a conference on keto acid dehydrogenases this November. Benny Dickens, MS student in Biochemistry, gave a paper at the CSULB Student Research Competition in March; Dianne Meacher, MS candidate in Nutrition who is doing her thesis research with me, was elected to associate membership in Sigma Xi. Thanks to a Minority Biomedical Research Support Grant from the NIH, I have two new students, Jose Sanchez and Martin Rocha, who are now learning some basic enzymology. My husband, Kent, has been hired as an assistant professor in the CSULB Mathematics Department beginning this fall.

**Dr. Henry Po** reports, "Last year was quite eventful. Liz Brinkman, Janet Kiang, Monica Keindl and Roswita Trismiro contributed to four research publications in *J. Am. Chem. Soc.*, *J. Coord. Chem. and Bull. Chem. Soc. France*. My research students, Jeff Masse and Rosidah Radzian, have been awarded summer research support from the School of Natural Sciences. Jeff is continuing work initiated by Liz Brinkman (now in the PhD program at Stanford University) and Monica Keindl, who is studying for her PhD at UC Irvine. Rosidah is investigating the kinetics of oxidation of thiols by hypervalent silver complexes.

**Dr. Nail Senozan** reports, "The past year I had the pleasure of working with Kevin Miller, Tim Brady, Ken Lesniewski, Kristin Lincoln and Debby Allison (graduate students), and Jim Cirillo and Doug Neilson (undergraduate students) on hemoglobin and hemocyanin. We have an article entitled, 'Hemocyanin levels in *Octopus vulgaris* and the cuttlefish, *Sepia officinalis*, from the Aegean Sea,' which is scheduled to be published in *Comparative Biochemistry and Physiology* later this year. The paper describes in part the work I did in Izmir, Turkey, two years ago as a Fulbright scholar. I will be going to the Aegean again this year; first in June for pleasure, then in October to attend a workshop on proteins. The workshop is sponsored by the Ege (Aegean) University and will be held in Cheshume, a small town on the Izmir Peninsula."

**Mrs. Cheryl Shimazu** is the coordinator of Chem 101, Fundamentals of Chemistry, and is revising the laboratory manual for this course.

**Dr. Leslie Wynston** was elected secretary of the National Association of Advisors to the Health Professions and is also a delegate from the Western Region to the National Executive Committee. Each assignment carries a two-year term. He also served as a judge at the Second-Annual Long Beach Wine Competition, held May 3, 1988.

## Gifts by Individuals to the Chemistry Department

Gifts by alumni and friends of the Chemistry Department during the past year totaled \$6822. This represents a 79% increase in giving over the previous year. The number of donors was slightly more than **double** (57 in 1986-1987 and 115 in 1987-88)! Money from gifts was used primarily for student scholarships and awards, but also for the seminar program, **Newsletter** expenses, miscellaneous supplies and student recruitment.

Without your help we would be unable to maintain the fine programs which we offer. Awards provide incentives for excellence, and scholarships help attract good students. The seminar program, supported principally with gifts, is an integral part of our instructional program. It not only helps keep our students aware of current chemistry, but also is one of the important ways our faculty are informed of developments in chemistry outside of their own immediate areas of interest.

Your gifts are acknowledged in a personal letter to you from the Department Chairman and are noted in the **Newsletter**. The alumni office is also notified so that you are designated as a donor in University alumni publications.

If you are solicited by telephone by a University representative in connection with the Phonathon program, we would be grateful if you would request that your contribution be given to the Chemistry Department. If you do not already know this, you might investigate whether or not your employer will match your contribution. Many do.

If you wish to send contributions directly to the Chemistry Department, you may make any checks payable to: **CSULB Foundation/Chemistry Fund** and send them to **Department of Chemistry, California State University, Long Beach, Long Beach, CA 90840**. We sincerely appreciate your loyal support.

## Honor Roll of Contributors 1987 - 88

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## Corporate Gifts to the Chemistry Department

The value of gifts, cash and equipment, from companies represented on the Chemistry Advisory Council and other firms totalled \$125,260 for 1987-88. Needless to say, without assistance from non-state sources, it would be impossible for our department to sustain the excellent program of instruction and research it has developed. The faculty and students are deeply grateful for the generosity of those who have sponsored student fellowships, helped to underwrite the seminar program, assisted with some research expenses and provided equipment for instruction and research. Corporate donors include:

Aerospace Corporation  
Brown and Caldwell Laboratories  
California Foundation for  
Biochemical Research  
Chevron Oil Field Research  
Dexter Corporation  
GAF Chemicals Corporation  
Hughes Aircraft Company  
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## Student Affiliates of the American Chemical Society

*by Susan Boggs, President*

The purpose of this organization is to offer relief from our studies, to provide the means for a family-like atmosphere in the Chemistry Department and to promote an interest in chemistry among undergraduate students.

This year's activities included the Oktoberfest, Annual Taco Feast, Winter Holiday Party, Valentine's Day Party, St. Patty's Party, annual International Potluck Dinner, Pizza and Awards Luncheon and the weekly coffee-donut hour (9:30-10:30 AM every Friday). At these events students, faculty and staff gather in an informal atmosphere

for great food and excellent company and, where appropriate, dancing. Special thanks to Dr. and Mrs. Marsi for their gracious hospitality in hosting both the Winter Holiday Party and the International Potluck Dinner in their home.



*Susan Boggs, President, SAACS,  
and Professor Cram, Nobel Laureate*

T-shirts in three different colors and sizes were made available with our new logo, "Chemistry is Addictive."

To help the needy of Long Beach, the Student Affiliates held a canned food drive in which over 275 pounds of canned food was collected.

Kaleidoscope was held this year as a campus-wide open house. The Student Affiliates assisted by opening up the Henderson Laboratories as the "Magical World of Chemistry in Action" to all who visited the campus.

Outstanding Lecturers selected by the students were Dr. Tom Goynes and Dr. Gwen Raine.

A faculty research seminar, started last year, was continued with the hope of broadening the students' knowledge of research projects in the department. Speakers for this year included Dr. Steve McDowell (Inorganic), Dr. Nail Senozan (Physical), Dr. Tom Maricich (Organic), Dr. Ken Nakayama (Organic), Dr. Roger Acey (Biochemistry) and Dr. Mark Anjo (Analytical).

In the interest of promoting undergraduate research in the Chemistry Department, two Undergraduate Summer Research

Scholarships were awarded from funds earned by the sale of lab glasses and aprons. The recipients for this year were Jeff Masse, a research student of Dr. Henry Po, and Cynthia Stromen, who will do research with Dr. Steven McDowell.

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## Recipients of Endowed Awards



*David Maynard*

The Robert B. Henderson Award this year was given to David F. Maynard who received the MS degree in Chemistry at the May, 1988, Commencement. His thesis work was performed under the direction of Dr. James Jensen and was entitled, "The Mercury (II) Halide-Promoted Hydrolysis of O,S-Acetals." David received his BS degree from California State University, San Bernardino, and this fall will enter the PhD program at UC Riverside in organic chemistry. During his graduate career at CSULB, David was elected to Phi Lambda Upsilon, National Chemistry Honorary Society, and to Sigma Xi. In addition, he was the recipient of the Kenneth L. Johnson Thesis Award for his outstanding thesis work. He also placed first in the physical science division in the 1988 CSULB Research Competition and Conference, earning him the right to represent the University at the state-wide conference in San Jose.

The Henderson Award memorializes Dr. Robert B. Henderson who passed away in 1983. Dr. Henderson was the first permanent member of the Chemistry faculty, joining the department in 1955. Dr. Henderson served as the first Chemistry

*Continued on Page 10*

### Honors to 1988 Graduates and Continuing Students

Caryl Acuna	Dean Robert Rhodes Award
Scott Allen	Merck Award in Organic Chemistry; Chemistry Alumni Award
Deborah Simon Allison	Election to Phi Lambda Upsilon
Michael Baker	Election to Phi Lambda Upsilon; Graduation with Distinction
Susan Boggs	Award in Inorganic Chemistry; Chemistry Alumni Award; Election to Phi Lambda Upsilon; Honors for Service in Chemistry; Toni Horalek Award for Service
Timothy Brady	Election to Phi Lambda Upsilon
Dorothy Caughey	Honors for Service in Chemistry
Hugh Cecil	Chemistry Alumni Award; Merck Award in Organic Chemistry
Fermin Chavez	National Hispanic Scholarship Fund Scholarship
William Cicio	Election to Phi Lambda Upsilon; Graduation with Distinction
Kimberly Clark	Award in Analytical Chemistry; Chemistry Alumni Award
Johny Chi Eng	Chemistry Alumni Award; Freshman Chemistry Award; CRC Handbook
Denis Guttridge	Election to Phi Lambda Upsilon
Patricia Healy	Election to Sigma Xi
Utha Hellman	California Foundation for Biochemical Research Graduate Summer Research Fellowship; Chemistry Advisory Council Tuition Scholarship; Election to Sigma Xi
David Jackson	Election to Phi Lambda Upsilon
Ron Kagan	Award in Biochemistry; Chemistry Alumni Award; Merck Award in Organic Chemistry
Gail Konishi	Associated Students Gabrielino/Forty Niner Award; David L. Scoggins Memorial Award; Election to Phi Lambda Upsilon; Graduation with Great Distinction; Who's Who in American Universities and Colleges
E. Kenneth Lesniewski	Election to Phi Lambda Upsilon
Jeffrey Masse	SAACS Undergraduate Summer Research Scholarship
David Maynard	Election to Phi Lambda Upsilon; Election to Sigma Xi; Kenneth L. Johnson Outstanding Thesis Award; Robert B. Henderson Award
Kevin Miller	Chemistry Alumni Award; Election to Phi Lambda Upsilon; Rachelle Award: Outstanding Graduate Student in Chemistry
Virginia Ofstein	Graduation with Distinction
Thomas Rittenhouse	Graduation with Distinction
Stephanie Schwartz	Election to Phi Lambda Upsilon
Rodney Solgonick	Graduation with Distinction
Cynthia Stromen	SAACS Undergraduate Summer Research Scholarship
Chau Tonnu	Graduation with Distinction
Stephen Wilhelm	American Institute of Chemists Award; Chemistry Alumni Award
Louis Wollenberger	Chemistry Alumni Award; Election to Phi Lambda Upsilon; Rachelle Award: Outstanding Graduate Student in Biochemistry
Marco Wong	American Heart Association Student Research Award; Election to Phi Lambda Upsilon; Associated Students Gold Nugget Award
Ming Fang Yuan	Chemistry Advisory Council Tuition Scholarship

**Endowed Awards:** from Page 9. Department Chairman and as Associate Dean of the School of Letters and Science. The Award is given to a BS or MS graduate in Chemistry who best exemplifies the dedication to and aptitude for chemistry shown by Professor Henderson.

**The David L. Scoggins Award**, recognizing the most outstanding BA student planning a career in the medical sciences, was given to **Gail P. Konishi**, a May, 1988, graduate. Miss Konishi compiled a near-perfect 4.0 GPA at CSULB. Before coming to CSULB, she received a BA degree in History from Pomona College. Gail has been accepted into the UCLA School of Medicine, where she will begin her studies for the MD degree this fall. During her career in our department she received several important awards including the American Heart Association Undergraduate Summer Research Fellowship, the Merck Award

**Endowed Awards:** *from Page 10.*

in Organic Chemistry, the Associated Students Gabrielino/Forty-Niner Award and the Associated Students Golden Nugget Award.



Gail P. Konishi

David Lee Scoggins was a graduate student in our department at the time of his death a number of years ago. The award was established by family and friends.

**The John H. Stern Award.** A memorial award fund has been established by friends of Dr. John H. Stern, a physical chemist on our faculty during the period 1958-87, to recognize the most outstanding physical chemistry student of the year. Although there were a number of good physical chemistry students this year, in the opinion of the physical chemistry faculty there was no clearly outstanding individual. Thus, the first award will be delayed until 1989.



"I just can't shake the alumni newsletter."

**Current Activities of Some of Our 1988 Graduates**

- |                                   |  |
|-----------------------------------|--|
| Caryl Acuna, BS Biochemistry      | Dental School, UCLA  |
| David Anvar, BS                   | MS Program, CSULB  |
| *Gary Baker                       | Medical School, USC  |
| Michael Baker, BA                 | Pharmacy School, UCSF                                      |
| Andrea Baxter, BS Biochemistry    | PhD Program, USC   |
| Rachelle Blue, BS                 | Geotest, Signal Hill, CA                                   |
| Susan Boggs, BS                   | MS Program, CSULB  |
| Elizabeth Brinkman, MS Chemistry  | PhD Program, Stanford U                                    |
| Michael Bundy, BS Biochemistry    | MS Program, CSULB  |
| William Cicio, BA                 | Medical School, SUNY<br>Stonybrook                         |
| James Cirillo, BS                 | BCL Associates, Inc.<br>Huntington Beach, CA.              |
| Kerry DeGroot, BS Biochemistry    | Medical School, Georgetown U                               |
| Paul Fortaleza, BS                | CSULB Chemistry Staff                                      |
| Dwayne Gergens, BS                | PhD Program, UC Irvine                                     |
| Patricia Healy, MS Biochemistry   | La Jolla Cancer Research<br>Foundation, La Jolla, CA       |
| Anthony Hinman, BS                | Hitco, Gardena, CA   |
| Frank Sy-Yih Hwang, MS Chemistry  | PhD Program, USC   |
| David Ichimura, BA                | Dental School, USC   |
| Michael Kahr, BS                  | PhD Program, UC Riverside                                  |
| Angel Kallah, BA                  | Pharmacy School, USC                                       |
| Monica Keindl, MS Chemistry       | PhD Program, UC Irvine                                     |
| Janet Kiang, MS Chemistry         | BCL Associates, Inc.<br>Huntington Beach, CA               |
| Brett Kislin, MS Chemistry        | Biotechnology, La Jolla, CA                                |
| Gail Konishi, BA                  | Medical School, UCLA                                       |
| Reangsan Kousoum, BS              | Kendall McGaw Laboratories,<br>Irvine, CA                  |
| Jon Lohwasser, BS                 | PhD Program, UCSF  |
| Patricia Markovich, BA            | Science Education, CSULB                                   |
| David Maynard, MS Chemistry       | PhD Program, UC Riverside                                  |
| Joel McPherson, BS                | McDonnell Douglas Corp.,<br>Long Beach, CA                 |
| Melanie Milner, BA                | Chemical Research Labs., Inc.,<br>Garden Grove, CA         |
| Gayane Mooradian, BS Biochemistry | Dental School, UCLA  |
| Stuart Nowinski, MS Chemistry     | Faculty, Pasadena City College                             |
| Virginia Ofstein, BS Biochemistry | Graduate School, UC Irvine                                 |
| David Olson, BS                   | BCL Associates, Inc.,<br>Huntington Beach, CA              |
| Thomas Rittenhouse, BS            | US Naval Laboratories,<br>Long Beach, CA                   |
| Joyce Setsuda, MS Biochemistry    | PhD Program, Northwestern                                  |
| Paul Serra, MS Biochemistry       | Medical School, UC Davis                                   |
| Gregory Shaw, MS Chemistry        | West Coast Analytical<br>Services, Santa Fe<br>Springs, CA |
| Robert Siegel, MS Chemistry       | Edgington Oil Co., Long<br>Beach, CA                       |
| Rodney Solgonick, BS Biochemistry | Medical School, UC Davis                                   |
| Chinh Tran, BS                    | CSULB Chemistry Staff                                      |
| *Scott Wadsworth                  | Pharmacy School, USC                                       |
| David White, MS Chemistry         | ARCO Corporation, Carson,<br>CA                            |

\*Student accepted into the program without a degree



**Some Members of the 1987-88 Graduating Class**

**Seated, left to right:** Kathleen Coffman, Lisa M. Smith, Zarila M. Shariff, Rosidah Radzian, Andrea A. Baxter, Chau M. Tonnu, Caryl Acuna, Susan E. Boggs, Elizabeth Siegfried, Kelly J. Anderson. **Standing, left to right:** Henry C. Pham, Michael Schlador, Kerry W. DeGroot, Leo J. Stemler, Rodney M. Solgonick, William Cicio, David Cendejas, David F. Maynard, Michael Vicioso, Thomas Rittenhouse, David J. Anvar, Anthony Scotty, Jr., Jon J. Lohwasser, Chris R. Nanney, James A. Cirillo, P. Anthony Hinman, Michael S. Kahr.

## Alumni News

Alumni news appearing in this section is compiled primarily from your **Newsletter** responses. Copies of the **Newsletter** are given to students when counseling with them about careers in chemistry, and information about your careers is pointed out to them. Thus, it is helpful for us to hear from you. Please use the inside of the back page of this **Newsletter**, together with the attached post-paid envelope, to tell us something about yourself for the 1989 **Chemistry Department Newsletter**.

### 1958

**Philip L. Anthony**, BS (MSU of Hawaii), is a management consultant. He is currently serving as a publically elected member of the Board of Directors of the Orange County Water District, a position held since 1980.

### 1961

**Fred H. Dorer**, BS (PhD U of Washington), is continuing as Vice President for Academic Affairs at California State University, Bakersfield.

### 1962

**John J. Jasnosz**, BS, has worked in surfactants and agriculture for 14 years and has three surfactant patents. John suffered a severe head injury in 1985 after being struck head-on by a drunken driver. He spent over a year in rehabilitation, but has since returned to work as Customer Service Manager for Hill Brothers Chemical Company. John is married to Diane, and they are celebrating their nineteenth anniversary this year.

### 1963



*Courtenay Anderson*

**Courtenay Anderson**, BS, MS 1965, was named "Employee of the Month" for December, 1987, by the Board of Trustees of Santa Rosa Junior College. Before joining the faculty at SRJC, Mr.

Alumni News: from Page 12.

Anderson taught at Sul Ross State College in Texas. His colleagues state, "Faculty, administrators and board members are well aware of the seemingly boundless energy with which Courtenay approaches each day. His enthusiasm for learning is a strong motivational factor for his students; he is an idealistic person devoted to excellence both in the Chemistry program and the entire educational program of which it is a part."

**Joanne Ehteshamzadeh Myers, BS, MS** 1967, lives in Sacramento, CA, and is an industrial hygienist with the California State Compensation Insurance Fund. She travels a lot, performing air sampling. Her son, Robert, is in the Coast Guard Reserves, and her son, Raymond, is now in high school.

1964

**William Centobene, BS, MS** 1967 (PhD US International U), is Chemistry Department Chairman and also Allied Health Coordinator for Cypress College, Cypress, CA.

**Evord F. Knights, BS**, is Vice President of Unipure, a division of UNOCAL, located in Brea, CA. This year he celebrated his twentieth year of service with UNOCAL Corporation.

1965



Dr. Howard Stephens

**Howard Stephens, BS** (PhD Purdue University) was promoted to Supervisor of the Process Research Division of Sandia National Laboratories in Albuquerque, NM. Dr.

Stephens joined Sandia in 1970 as a member of the High Temperature Properties of Materials Division and became a member of the Process Research Division in 1980. His work has included developing calorimetric techniques, assessing geologic data for selection of nuclear waste storage sites, coal liquefaction research, and catalyst development and evaluation. He is a member of the executive committee of the Fuel Division of the American Chemical Society.

**Jack L. Wolf, MS**, teaches chemistry at El Camino College, mainly for nursing and home economics students.

1966

**Dennis J. Allen, BS** (MS Business, Navy Postgraduate School), is a self-employed HVAC Contractor with Alert Climate Control, Inc., and lives in Annandale, VA.

**Oliver M. Brown, BS** (PhD Biochemistry, Kansas State U), teaches medical students and is involved in research in neurophysiology at the State University of New York Health Science Center in Syracuse. He enjoys landscaping, gardening, bicycling, playing squash and music. His wife, Joanna Guglielmino, is a veterinarian.

**Hyun Chai Jung, MS** (PhD USC), has been elected President of the Korean Solar Energy Society for 1988. Dr. Jung is Professor of Chemistry at Kyung Hee University in Seoul, Korea.

**James Myrtle, BS** (PhD UC Riverside), is research manager at Hybritech, Inc., in San Diego, CA. He has spent the past six years developing immunodiagnostic assay systems and applying them clinically.

1967

**Violeta D. Dadufalza, MS**, is Research Associate at the UC Irvine Medical School in Irvine, CA.

**Dennis Fost, BS** (PhD Purdue University), is Vice President of Research and Development with Mona

Industries, Inc., in Paterson, NJ, and lives in Ridgewood, NJ.

**Tim Geiser, BS** (PhD Cornell U), is a chemist with Applied Biosystems, Inc., in Foster City, CA, where he has been since the company began in 1981. He heads up a group focussed on new R&D ventures and is currently involved in "anti-sense" DNA-analogues directed at hybridization arrest of *m*-RNA translation for control of viruses.

**Ralph Knights, BS** (PhD Purdue U), has moved from Evansville, IN, to Santa Rosa, CA, with his wife, Jackie, and son Craig (5). He now works for New Zealand Milk Products as the manager of new business technology. He reports, "It's great to be back in California after a 20-year absence since graduating from CSULB." Ralph formerly worked for Bristol Myers in Indiana.



Dr. William Lake

**William Lake, BS, MS** 1969 (PhD Purdue U), is Director of Research and Development with Baxter Healthcare Corporation in Santa Ana, CA. "After an 18-year sojourn in other parts of the country, my family and I have moved back to the Southern California area and now live in Laguna Niguel. I am building a new R&D group to develop medical device products for extracorporeal immunotherapy applications."

**Tom Porter, BS**, is an Environmental Supervisor with BTC Environmental in Ventura, CA. His laboratory specializes in environmental sampling and analysis, including air, waste water, drinking water and hazardous wastes.

**Alumni News: from Page 13**

**Alan J. Senzel, BS (MS, PhD UCLA)**, has begun a new job as Deputy Manager of Environmental Systems for Environmental Resources Management, Inc., of Exton, PA. ERM is a consultant to "Superfund" contractors for remedial investigations and feasibility studies of hazardous waste site cleanup projects.

**1968**

**Alan DiStefano, BS**, is Director of Marketing for Hamilton Company in Reno, NV.

**Tom Ito, MS, (PhD UC Riverside)**, is Head of the Synthetic and Biochemistry Department at Diagnostic Products Company, Los Angeles.

**Bruce E. Pfeiffer, BS**, is President of American Blending Company, Commerce, CA.

**James R. Scott, BS (DDS USC)**, "The educational experience I had in the Chemistry Department at CSULB is one of the most positive in my educational background. I presently work as a staff dentist at a clinic in the Fresno area. Recently, I began a network marketing business which has been tremendously rewarding."

**1969**



*Dr. Reid Bowman*

**Dr. Reid Bowman, BS (MS Princeton, PhD UC Santa Barbara)**, Group leader in Western Applied Science and Technology Laboratories, Dow Chemical Company, was named an Associate Scientist, one of the highest honors which the company can bestow

upon a scientific employee. Dr. Bowman joined Dow in 1970 and has spent most of his career in process development, initially in the pharmaceutical areas and currently in agricultural chemicals.

**Don Byers, MS**, is a chemistry instructor at Northern Alberta Institute of Technology in Edmonton, Alberta, Canada. He is presently Biotechnology Coordinator in a post-diploma program for chemists and biologists. "Edmonton is fast becoming the biotechnology center of Western Canada. The biotechnology program was initiated and implemented by me in 1987. We have just graduated our first class of 17 students. I am also associated with several mining and oil and gas companies and am presently director and president of Manchester Resources Corporation. I am also director of a company engaged in large-scale commercial fish farming.

**David "Buzz" Carre, BS, MS 1969** (PhD UC Santa Cruz) is employed at Aerospace Corporation, Los Angeles.

**David Simpson, BS, MS 1971**, is working with Armtech Defense Products in Coachella, CA.

**Donald A. Woodman, BS**, is an analytical chemist with Riker Laboratories/3M Company in Northridge, CA. He has transferred back to Plant Quality Control after eight years with Staff Quality Assurance in St. Paul, MN. He has worked for Riker for 18-1/2 years, since graduation from CSULB.

**1970**

**David Corder, BS**, is Laboratory Supervisor for UNOCAL Chemicals Division in Brea, CA.

**Robert MacPhee, BS, MS 1972**, now lives in South Pasadena, CA.

**1971**

**William Givens, BS (MPA)**, is an Anglican priest in a parish in Te Awamutu, New Zealand, a town of about 7,000 in one of the more prosperous farming regions.

**Alan Rosenstein, MS**, is Research Associate in the Psychobiology Department at UC Irvine. "We're involved with the brain dopamine systems: autoradiographic receptor-uptake site mapping; age-related biochemical and anatomical changes and micro-anatomical changes related to clinically pathological conditions. I'm heavily involved in my paintings, reflecting various tenets and personal experiences derived from Eastern philosophical and metaphysical studies."

**1973**

**Ted A. Bailey, BA (BS Visual Science, DO Southern California Optometry School)**, is an optometrist in Newport Beach, CA, and lives in Dana Point.

**Larry Clarke, BS**, is employed in sales with Tennessee Chemical Company, based in Atlanta, GA, but lives in Orange, CA.

**Carol Handy, MS**, is a chemistry instructor at Portland Community College, Portland, OR. She and her husband have two daughters, Brishan (10) and Larissa (8). She enjoys teaching and the Portland area.

**Larry Lemoine, BA**, is Operations Manager with Sukesha, Inc., in Manchester, NH, a company which manufactures hair care products. Larry lives in North Andover, MA.

**1974**

**William E. Campbell, BA, MPA 1979**, has worked for AMI since 1975 in various hospitals in Southern California. "The analytical skills used while obtaining my degree in chemistry have stood me in good stead while working with three minicomputers running various systems in an acute care hospital setting."

**Randy R. Estrada, BS (MD)**, is a pediatrician at St. Joseph's Hospital Medical Center in Paterson, NJ. His wife, Laura, is also a medical doctor.

## Alumni News: from Page 14.

## 1976

**Neal Dixon**, BA (MD USC), is in private practice as a surgeon in Camarillo, CA. He and his wife had their fourth child, a son, July, 1987.

**Scott D. Greer**, BS (MDU of Utah), is a gastroenterologist with the Parkway Medical Group in San Diego, CA. "With Lael, 2, John, 5, and Susan, 31, my family is now complete." His recently published study, "5-Aminosalicylic Acid Enema in the Treatment of Distal Ulcerative Colitis, Proctosigmoiditis, and Proctitis," has led to FDA approval for local treatment of ulcerative colitis.

**Ercan Unver**, MS (PhD USC), is Director of the Biochemistry and Iodination Departments at Diagnostic Products Corporation in Los Angeles. The company creates and improves diagnostic assays and kits. "My beautiful five-year old daughter, Beril, is doing wonderfully in kindergarten. She just won first place in a school poster art contest."

## 1977

**Ken Bell**, BA (PhD UC Irvine), is Group Leader in semiconductor materials applications with Morton-Thiokol, Inc., Dynachem Division, in Tustin, CA. "I am married and have two children, ages 14 and 9. My son has just earned his eagle rank in Boy Scouts, and my daughter has started to learn piano. My wife is finishing her BA in Sociology at CSU Fullerton."

**Greg Dorsman**, BS, MS 1983, is a chemist with Kerr Manufacturing in Santa Ana, CA. "My wife and I announced the birth of another girl, Melanie, last October." The Dorsmans have two other girls, Christina and Caroline, and a son, Nicholas. "Last July I switched from Quality Control Supervisor to Research Chemist in order to develop improved photopolymerizable dental composites and to support staff lawyers involved in patent infringement cases."

**Elizabeth Jameson**, BS, is Process Engineer with Benchmark Technology, a printed circuit board manufacturer, in the City of Industry, CA. "The printed

circuits industry has many opportunities: analyzing processing solutions, plating baths and wastewater; monitoring processes, bath chemistries, equipment; reviewing product quality; performing statistical process control; charting and inspecting procedures for improving yields."

**Raymond Johnson**, BA, is Assistant Vice President/Senior Financial Consultant for Merrill Lynch in Long Beach.

**Don L. Olbrantz**, has been a chemist with Michelson Laboratories since 1976 and is currently Director of Laboratory Services.

**David Oliver**, BS, MS 1979, is Professor of Chemistry and Physics at Oxnard College, Oxnard, CA. He is completing a sabbatical which included chemistry coursework at UC Santa Barbara, study at the Exploratorium and UC Berkeley and production of computer courseware in physics. "The airplane I am building should be ready for its first flight in late 1988."

**John H. Spille**, BA, is self employed and lives with his wife and two sons, Matthew and Nicholas, in Ventura, CA.

## 1978

**Betty Jane Burri**, MS (PhD UCSD). "I now work for the Western Human Nutrition Research Center, US Department of Agriculture, where I run a small laboratory in which I conduct research on vitamin A nutritional requirements." Betty lives and works in San Francisco.

**Raymond E. Lyons**, BA (MD U of Minnesota), began a residency in nuclear medicine at St. Louis University Hospital and the St. Louis VA Hospital. "Nuclear Medicine is an area of medicine that has a closer connection with my college training in chemistry."

**Marianne Marsi**, BS (PhD UCLA) is a research chemist with DuPont's Central Research and Development Experimental Station in Wilmington, DE, in the Polymer Products Department. She and her husband, Louis Manning, have been busy giving

research talks at universities. They announced the birth of their first child, Teresa Marsi, on April 7, 1988. Marianne is a cellist with the Delaware Symphony Repertory Orchestra, Dr. Levon Ahramjian, Conductor.

**Joshua Prager**, BS (BS and OD Southern California College of Optometry), is an optometrist with Kaiser Permanente in Fontana, CA, after an optometric residency at the VA Hospital in West Haven, CT, where he specialized in rehabilitative optometry.

**Robert Proffitt**, BA, is a consultant in computer programming and has formed his own company, RT Enterprises. "The Chemistry Department is very unique, one of few departments in which one can feel that the people really care. I cannot express how much I felt like I was a part of the Chemistry Department family."

**Deborah Sevy**, BA, lives in Menlo Park and is "enjoying being a new mom."

**Randall E. Smith**, BA, is Senior Engineer in the Sealants Group at McDonnell Douglas in Long Beach. Before returning to Long Beach he spent 1-1/2 years with Boise Cascade in Battleground, WA, and then was employed with Hughes Aircraft until 1987.

**Ernest J. Valfre**, BA, is Senior Systems Analyst in Research and Development with Baxter Healthcare Corporation in Duarte, CA. "I returned to school and through various courses and self training, have become a microcomputer specialist with emphasis on scientific applications. I think I've found my niche as I really enjoy the challenges of my work. I am responsible for the department's personal computers and their peripherals, software development and departmental PC training. My latest project has been designing a computer system to tie into the minicomputer of the Quality Assurances Laboratories at our manufacturing plant in Glendale."

**Malcolm L. Windsor**, BS, is an environmental engineer with the Department of Defense at the Little Rock Air Force Base in Arkansas. Duties assigned include management in hazardous wastes, clean air and water

**Alumni News: From Page 15**

programs.

**Gerald E. Wuenschell**, BS (PhDUSC), and his wife, Carol, are both post-doctoral associates at California Institute of Technology, he with Dr. Francis Arnold, working on the production of synthetic or "unnatural" enzymes.

**1979**

**Robert Altermatt**, BA, MS 1982, is a member of the professional staff at TRW in Redondo Beach, CA. He is currently serving as a project manager in a group which specializes in development of new materials relating mainly to spacecraft applications.

**Elvira A. Bernabe**, BA, is a process and control chemist with UNOCAL Chemicals Division. "The plant's main products are ammonia, carbon dioxide, urea, nitric acid, ammonium nitrate and various nitrogen solution blends. These are widely used in the fertilizer and food industries as well as for commercial refrigeration, the manufacture of plastics, resins and gloves and also in the photocopying, blue printing and lithography trades."

**Gayle Withers Doyle**, BS. "Many thanks to the Chemistry Department for keeping in touch with me. News travels slow to Idaho."

**Stephen Fritch**, MS, continues as a criminalist with the Long Beach Police Department and is enjoying working with his new Tandy SX Computer.

Stephen Headrick, BA, is a systems engineer with Coleman Research Corporation. "I've accepted a transfer from CRC in Huntsville, AL, to open an office in Munich West Germany. The work is similar to my activities in the US, but now there is an additional problem—the language barrier. I guess I never really learned German. We have a home in the southern area of Munich in a town called Grunwald. Ryan is 9 and Jeremiah is 7, and Denise is learning German, both in class and in the market place."

**Tom M. Johnson**, BS, (MS U of Washington) is a fashion model with Glamour Hommes and lives in Paris,

France. His work takes him throughout Europe, especially to Germany and Italy.

**Steve Jones**, MS, is Laboratory Manager for BCL Associates, Inc., Huntington Beach, CA, and has been named to the Chemistry Department Advisory Council.

**Gary LaRowe**, BA (MBA, CSU Hayward), works as a technical supervisor for quality control for Genentech, Inc., in South San Francisco. He and Laurie, his wife of eight years, have two children, Ryan (4) and Emily (1-1/2).

**Robert Maiden**, MS, owns his own business, Killdee Scientific Glass Company, in Santa Fe Springs, CA. "We service most of the major analytical laboratories in Southern California, defense contractors and pilot chemical plants. The company grew 40% in 1987 over the previous year." On occasion, Bob is a consultant to the Chemistry Department in the glass shop at CSULB.

**Patrick McKay**, MS, continues as a biochemist with Genentech in South San Francisco. "Our research has been concentrated in the areas of human growth and development. Genentech markets human growth hormone to treat short-statured children. On the home front, Brian is now 2-1/2 and is progressing quite rapidly in communication, dexterity and learning."

**Duane R. Smith**, BS, MS 1982, is completing his third year in the PhD program at Cornell University in secondary ion mass spectrometry. He and his wife, **Vivian Lassiter Smith**, BS 1985, were expecting their first child in June, 1988.

**Curtis Winters**, BS (MDUSC) and **Jane Volhard** were married March 19 of this year in North Hollywood. Curtis continues in his second year as a fellow in anaesthesiology in Houston, TX.

**1980**

**Perry DeAugustine**, BA, is Sales Representative in the Diagnostic Systems Division of Hewlett Packard in Fullerton, CA. He is married with three

daughters aged 8, 6 and 17 months.

**Brian Dubow**, BS, is program manager for General Dynamics/Convair in San Diego, CA, in the Submarine and Surface Ship Vertical Launch Cruise Missile Program.

**Laurene Duke**, BA (DDS UCLA), practices dentistry part time and cares for her and her husband's (Scott Montgomery) two children, a 2-1/2 year old son and a 9 month-old daughter. She recently moved her practice to a modern, beautiful office in Lakewood, CA.

**Thomas Randall Eldridge**, BA (DC Los Angeles Chiropractic College), is a chiropractor with Creekside Chiropractic in Denver, CO. "I'm in the phone book and would love to hear from my classmates."

**Nik Jones**, MS, is a chemist with BCL Associates, Inc., in Huntington Beach, CA.

**K. Scott Marsi**, BA (MS San Diego State U), is Commercial Development Supervisor with GAF Chemical Corporation in Wayne, NJ. He, his wife, Linda, and daughter, Aiko (2-1/2), live in Hopatcong, NJ.

**Joseph Mario Molina**, BS (MDUSC), is a postdoctoral fellow in endocrinology and metabolism in the School of Medicine at UC San Diego. "My research is in the area of insulin action and insulin resistance in obesity and diabetes."

**Kirk M. Morgan**, BA (MD Case-Western Reserve U), finished his final year of ophthalmology in June and has taken a fellowship in retinal surgery in Virginia. "My research over the last four years has been on eye diseases in which my chemistry background has been very helpful."

**Ed Wilson**, Student. "After five years as Pasadena's manager for Brown and Caldwell Laboratories, I have now stepped back from the lab's day-to-day operations to concentrate on the important instead of the urgent. As vice president, I will oversee activities in both Pasadena and Anaheim, working with the two lab managers, meeting



Alumni News: from Page 16.

with clients, and exploring ways to improve our services throughout the area."

1981

**Cathy Baker-Eckhart**, BA, is an aerosol chemist with Amrep/MBL Industries in Santa Ana, CA. "My husband and I still live in Whittier and are expecting our first child in October."

**Tim Erwin**, BA (PharmD USC), continues to work with Pharmacy Enterprises, Inc., in El Toro, CA.

**Tom Harmon**, BA (MS USC, MD U of Pittsburgh), is interning at Kaiser Hospital in Los Angeles.

**Kelly Hendrix**, BA (DDS Baylor College of Dentistry), is a dentist with General Mecial Center in Anaheim, CA.

**Richard Hudspeth**, MS, works as a molecular biologist with Phytogen in Pasadena, CA, where he is Senior Scientist. He continues to study for his PhD at USC and expects to finish in late 1989. "Presently, my work deals with isolating and sequencing genes from *Zea mays*. We are hoping that these genes will be useful in the genetic engineering of corn varieties."



Dr. Bette Korber

**Dr. Bette Korber**, BS, received her PhD from California Institute of Technology in June, 1988, in molecular immunology under the direction of Dr. Leroy Hood. Her thesis was entitled, "Interferon Regulation of Class I Genes," and the work was related to an understanding of the action of the AIDS virus. In June of this year she participated in the Fourth International Conference on AIDS in Stockholm, Sweden. Dr. Korber will begin

postdoctoral studies with Dr. Myron Essex at the Harvard School of Public Health on the molecular epidemiology of the AIDS virus. While at Caltech she was named recipient of the Earl C. Anthony Fellowship. Bette was a Phi Beta Kappa graduate of CSULB.

**Jack Long**, BA (MD U of Cincinnati), is an intern at the VA Hospital in West Los Angeles.

**Paul Manos**, BA (DDS UCLA), has his own dental practice in Westminster, CA.

**Steven R. Masuda**, MS, is a chemist with Ultrasystems in Newport Beach, CA.

**John Menke**, BA (MS, DVMUC Davis), is associated with the Los Altos Animal Clinic in Long Beach.

1982

**Carmen F. Carr**, BA, passed away on April 23, 1987, after a long illness and as a result of lupus. Carmen was a graduate student in biochemistry at UCLA, where she had received the MS degree in Biochemistry. While her health permitted, she was engaged in volunteer research in lupus with a specialist at Harbor General Hospital. Carmen's brother, Peter, is a 1986 graduate from CSULB with a degree in Paleontology.

**Mark Martinez Diehl**, BS, plans to enter the master's program in chemistry at California Polytechnic State University, San Luis Obispo this fall.

**Mario Fernandez**, MS (PhD UC Irvine), is a postdoctoral associate with Dr. Alan C. Sortorelli in the Department of Pharmacology in the Cancer Center at the Yale University School of Medicine, New Haven, CT. "I find the field of medicinal chemistry a very challenging and exciting area, and it is adding a lot of practical application to my background in organic chemistry. My research is producing new compounds which are now being tested for both antitumor and antimalarial activity. I had two papers published in *J. Org. Chem.* [1987, 5 2, 2537 and 4785], and a manuscript is being submitted to *Tetrahedron Letters*, describing the

ketene chemistry of my PhD work; this will be followed by a full paper later on."

**Chandrika D. Patel**, MS, is employed as a chemist at McDonnell Douglas in Long Beach.

**Bich Quach**, BS, is a research and development chemist with Edwards Division of Baxter Laboratories in Irvine, CA.

**Elizabeth Woods**, BS (MD Baylor College of Medicine), and her husband celebrated the birth of their second daughter, Danielle Elizabeth, on February 2, 1988. She graduated in May from Baylor College of Medicine and has begun her residency in obstetrics-gynecology.

1983

**John R. Berg**, BS, is a chemist with the Los Angeles City Bureau of Sanitation, Hyperion Treatment Plant, in Playa Del Ray, doing energy recovery research.

**Don Dillon**, Student (DDS USC), practices dentistry with his father and brother, Tom, Student 1977.

**Stefan Isak**, BS, is a predoctoral student in the Department of Chemistry at the University of Utah. He is presently employing photoacoustic spectroscopy and related spectroscopies in the photophysical characterization of dyes that are of interest in laser surgery.

**Dona Moromisato-Nagata**, Student 1983 (DDS Loyola U, Chicago), is a dentist in Westminster, CA, and lives in Long Beach with her husband of two years, Gary Nagata, CSULB (Business) 1983.

**Steve Pentoney**, BS (PhD UC Riverside), received his PhD in analytical chemistry in September of 1987 from UC Riverside and is currently a postdoctoral student at Stanford University, working on capillary zone electrophoresis in Dr. Richard Zare's analytical section. "I am enjoying my postdoc, although I feel a bit like an odd-ball. Of the 35 or so members of the group there are presently only two in the analytical

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*Dr. Steve Pentoney*

section. Most of the others are working on molecular dynamics. Terry has a job as a receptionist with a local real estate company, and Christopher had his first birthday on March 11 and has been walking for a couple of months." While at UCR, Dr. Pentoney was named Outstanding Teaching Assistant and held the Shell Oil Research Fellowship.

**Lester Pfahl**, BA (MS, Agricultural Chemistry with an emphasis in Enology, CSU Fresno), is Research Scientist with Seagrams and Sons in White Plains, NY.

**Shahla Roohani**, MS, is Quality Control Manager for ALACER Corporation in Burbank, CA, and lives in Whittier.

**Armando Samaniego**, BA, received his Masters Degree in Public Policy at the John F. Kennedy School of Government at Harvard University and completed his MD this year, also at Harvard. He is now an intern in surgery at UC Davis Hospital in Sacramento.

**1984**

**Jean-Bernard Durand**, Student, received his MD Degree from The Medical College of Wisconsin on May 29, 1988.

**Brad W. House**, BA, is employed by Garrett Corporation, Airesearch Manufacturing Company, Torrance, CA.

**Steve R. McGown**, MS, works with the National Institute of Environmental Health Sciences at the Research Triangle Park in North Carolina. "We are conducting some novel research in

mass spectrometry. I am also involved in a project which is concerned with the fate of dioxins in children who were prenatally exposed. I have recovered well from my heart valve implant."

**Grant W. Meisenholder**, Student, is a laboratory technologist in immunology at Scripps Clinic and Research Foundation in La Jolla, CA, and is currently involved in chronic lymphocytic leukemia research with Dr. Tom Kipps.

**Michael Mosig**, BA, has completed his DDS degree at Georgetown University in Washington, DC, as has his wife, Mary Lynn. He and Mary Lynn were married on March 12 of this year in Litchfield Park, AZ. Both hope to practice dentistry either in California or Arizona.

**Craig Owens**, BA, will enter his third year of medical school this fall at Tufts University School of Medicine. "I very much enjoy living and studying in Boston and am proud to announce that I've made it through another winter!"

**Theresa Rohr**, BA, graduated from Cornell University Medical School in June. Earlier in the year she spent two months in Lima, Peru, where she worked in a pediatric clinic. She is doing a residency in internal medicine.

**Dale G. Shrum**, Student, received his degree, Doctor of Podiatric Medicine, from the California College of Podiatric Medicine, in San Francisco in May, 1988.

**Nancy Tuler Wildman**, BA, Teaching Credential 1985, teaches chemistry at Gahr High School in Cerritos, CA, and is Senior Class Advisor. She and her husband, Scott, announced the birth of their new baby in May.

**1985**

**Jim Brophy**, BS, is New Construction Manager for the Mogul Division of The Dexter Corporation in Los Alamitos, CA. He and wife, Paula, live in Long Beach.

**Joy Condon**, BS, continues in Pharmacy School at USC and is a student intern in the Pico Rivera Hospital Pharmacy in

Pico Rivera, CA.

**Jocelyn Honda**, Student, is continuing in the pharmacy program at UC San Francisco.

**Lily Anne Lim**, BS, is a chemist with Ultrasystems in Newport Beach, CA. She and **Dr. Stuart Berryhill**, Associate Professor of Chemistry at CSULB, were married on May 21.

**Lenora Mendoza Noroski**, BA, has completed her third year at Cornell University Medical School. She and **Theresa Rohr**, BA 1984, continue to recruit California students, especially CSULB students, for Cornell Medical School.

**Martha Molina**, BA, is completing medical school at UC Irvine and is considering a residency in pediatrics.

**Richard Pagliery**, BA, has completed his first year in the MS program in Chemistry at CSULB, where he is a teaching assistant.

**Deborah Schwyter**, MS, has completed her third year in the PhD program in Biochemistry at UCLA. She passed her oral examination and has been advanced to candidacy. In March she presented her work on structure/function relationships between the muscle proteins, actin and myosin, at the Annual Biophysics Society Meeting in Phoenix, AZ. "While it is exciting to be working at UCLA, I can't help but feel that CSULB is still 'home base.' I know that my success today stems from excellent groundwork in the Chemistry Department at CSULB."

**Van H. Woo**, MS, has completed his first year as a medical student at St. Louis University Medical School in St. Louis, MO.

**1986**

**Deborah Simon Allison**, BA, is a graduate student in Chemistry at CSULB and hopes to teach in a community college when she finishes her work next year.

**Elizabeth Brinkman**, BS, MS 1987, has completed her first year in the PhD

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program at Stanford University. She has joined the research group of Dr. John Brauman. Liz will be involved in studies in photodetachment spectroscopy, using light to remove an electron from an anion to determine its electron affinity and structure.

**Mary B. Byrnes**, BA, is Quality Control Chemist with Banner Gelatin Products Corporation in Chatsworth, CA.

**Peter Ferrera**, Student, is a medical student in Munich, West Germany.

**John T. Jones**, BA, is a medical student at the St. Louis University School of Medicine in St. Louis, MO.

**James T. Papas**, BA, is Senior Sales Engineer with GAF Chemical Corporation in Irvine, CA. He is responsible for a \$15 million territory that covers six western states. He represents the company in the sales of specialty polymers and solvents based on high-pressure acetylene chemistry. He works with R&D chemists in the cosmetics, pharmaceutical, electronics, agriculture and petroleum industries.

**Robert Richardson**, BA, is a chemist with Smith Emory, an environmental testing laboratory located in Los Angeles.

**Roswita Trismitro**, MS, assists her father in running their company in Jakarta, Indonesia.

**1987**

**Kelly Carroll**, MS, is a research associate with Collagen Corporation in Palo Alto, CA, and lives in Mountain View.

**Kimberly Clark**, BA, will attend Rutgers University, New Brunswick, NJ, this fall to study for the PhD.

**Randall Jensen**, BA, is a graduate student in the Department of Philosophy at CSULB.

**Bill K. Jeong**, BA, holds the position of Environmental Chemist with Chemical Research Laboratories, Inc., Stanton, CA. He performs on-site analyses of soil and water samples with methods

set by the EPA, using gas chromatography, infrared spectrometry and atomic absorption spectrometry.

**Janet C. Kiang**, MS, is Senior Environmental Chemist with BCL Associates, Inc., in Huntington Beach, CA.

**Teresa R. F. Knapp**, BA, has completed her first year in Pharmacy School at UC San Francisco. During the 1987-88 academic year she served as Class Secretary for first-year students. She is also active in the Golden Gate Society of Hospital Pharmacists (Legal Affairs Council) and the Phi Delta Chi Pharmacy Fraternity.

**Reangsan Kousoum**, BS, is Research Associate II at Kendall McGaw Laboratories, Inc., in Irvine, CA.

**Larry Matsumoto**, BA, is Sales Engineer for GAF Chemical Corporation, Irvine, CA. He is responsible for technical advice and sales to customers in the cosmetic industry who use GAF water-soluble polymeric materials.

**Gayane Mooradian**, BS Biochem, will enter Dental School at UCLA this fall. She is presently a dental assistant with Dr. Gazarian in Glendale, CA.

**Thomas P. Murphy**, BS, is a research chemist with McDonnell Douglas in Long Beach, CA.

**Greg R. Shaw**, MS, is a chemist with West Coast Analytical Services in Santa Fe Springs, CA.

**Beth Simons**, BS, is Materials and Process Engineer with McDonnell Douglas in Long Beach, CA.

**Coleman A. Smith**, BS, has completed the first year of the PhD program at UC Davis in physical chemistry. He reports that the laboratory skills he learned while an undergraduate research student with Dr. Mark Anjo have proven very useful. He is currently a student of Dr. August Maki whose research interests are in magnetic resonance.

**Jennifer Sweet**, BA, has completed training as a student teacher and lives in Carmichael, CA.

**David W. Tomlinson**, MS, formerly with Alton GeoScience, now works with Ecology and Environment, Inc., in Los Angeles.

**1988**

**Michael Kahr**, BS, will be attending UC Riverside this fall and studying for a PhD in analytical chemistry. During the summer he worked for Dr. Charles Wilkins at UC Riverside.

**Monica Keindl**, MS, has passed her cum's and oral examination for the PhD at UC Irvine.

**Paul Serra**, MS, has completed his third year of medical school at UC Davis. He is married to CSULB Microbiology alumnus, Amanda Trone. They have a two-year old daughter and had a second child in May. Paul completed writing his MS thesis while a medical student, proving that all things are possible!



**From the Chemistry Archives**

A photograph taken from the 1960 edition of the "Prospector." **Left to right:** Tyler Putnam, Karen Lay O'Malley, Dr. A. G. Tharp, Richard Rasmussin, William Henry.

**CSULB Chemistry Department**  
**Newsletter**

August 1988, Number 13

An annual publication of the Department of Chemistry for past and present students and friends of the department. News items, photos and comments are welcomed. **Ken Marsi, Editor.**



**Chemistry Department Secretarial and Technical Staff**

***Left to right: Jeannette Santage, Department Secretary; Katrina Brinkman, Chemistry Office Student Assistant; Anne Nguyen, Stockroom Staff; Chinh Tran, Stockroom Staff; Francis McLuen, Secretary; Joyce Kunishima, Director of Laboratories; Bernadine Sparta, Secretary; Robert Soukup, Electronics Technician. Not shown: Sandra Lee, Stockroom Staff. Joining the staff during the last year: Katrina Brinkman, Chinh Tran and Sandra Lee.***