the university of texas at austin
spring 2000
CHEMICAL Compositions
chemistry & biochemistry
departmental newsletter

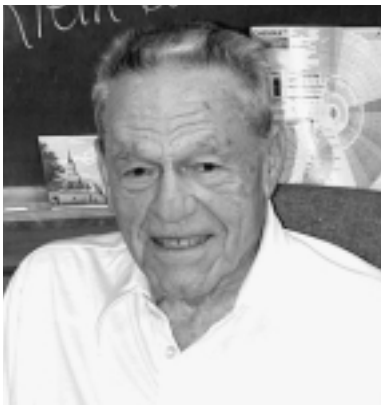
WELCH FOUNDATION HONORS NORMAN HACKERMAN

"I don't choose to look back,
—a short glance once in a while,
—then on to the future."

So said Dr. Norman Hackerman in an evening of "Celebrating Chemistry - A Salute to Norman Hackerman." That future will include the annual presentation of the Robert A. Welch Foundation's newly created Hackerman Award as Welch Chairman of the Board, Richard J. V. Johnson announced to a crowd of chemical dignitaries, colleagues, and well-wishers in the Omni Hotel Ballroom at Houston, Texas on the evening of May 5. The award is a $100,000 research grant to go annually to promote the advancement of chemistry by an outstanding researcher "40 years of age or younger." The Hackerman Award announcement culminated the Welch Foundation's year 2000 celebration of chemistry by saluting the many, varied and valuable contributions made by Dr. Norman Hackerman to science: past, present and future.

Highlights of the evening included a film depicting aspects of Hackerman's career and his closing remarks after the presentation. In those remarks, Hackerman paid homage to his wife of nearly 60 years, Gene Coulbourn Hackerman, for being a full partner, totally managing home and family, allowing him the time for his endeavors. The Hackermans have four children, one son and three daughters, who were present for the ceremonies. Pictured in the film were Hackerman's contributions to the Manhattan Project during World War II, his career at the University of Texas since 1945, including serving as Chair of the Chemistry Department, 1952-61, and VP & Provost, 1961-63, before becoming UT President in 1963, and his move to become President of Rice University in 1970.

For more than six decades, Norman Hackerman has been advancing the welfare of the nation and humankind through his public service, leadership and creativity in science and technology. Through his research he has enlarged the understanding of corrosion inhibition, metal oxidation and reduction, and electrochemistry and passivity. As past president of two great universities, he has contributed to a science and technology community that encompasses academic, non-profit, government and industrial sectors. As a teacher and author, he has shared his insights with tomorrow's leaders. And as a respected strategist in science policy, Dr. Hackerman continues to help shape the future of research and education.


Dr. Norman Hackerman

Today, Dr. Hackerman continues his research (he maintains an active laboratory at Rice University), teaching (he teaches a freshman seminar class at the University of Texas), and service to the field by actively working to improve the quality of science education for non-scientists (his stated interest in science education ranges from kindergarten to infinity) and by fostering basic research in chemistry. His vigorous voice is heard on

Continued on page 4.

IN THIS ISSUE

Marvin Hackert

FROM THE CHAIRMAN

Greetings to our alumni and friends. We congratulate all our students who graduated this spring and pass along our very best wishes for success in their future endeavors.

It seems we have talked a lot these past few years about renovation and infrastructure. I am pleased to announce that in January of this year the West Wing renovation project was accepted as substantially complete and we began the process of moving labs back into that section of the building. The plans for the West Wing were initiated during Alan Campion's term as chair of our department. Thus, along with the office renovation projects of '97, the fire safety issues and the remodeling of the research storeroom of '98, this completes many years of construction activity in the department.

Our focus this spring has been on strategic planning for the future. Last fall we formed a strategic planning committee chaired by Paul Barbara. This group of ten faculty met weekly for much of the fall semester to draft a strategic plan for our department for the next five years. In early December, we held a faculty retreat to discuss and revise the draft document. The establishment of a Strategic Planning Advisory Committee (SPAC) was approved and given the charge to finalize the document. Elected to staggered three-year terms to serve on the SPAC are Paul Barbara, Steve Martin and Brent Iverson. A key element of the strategic plan calls for growth of the Department of Chemistry and Biochemistry to enable us to capitalize on emerging technologies and also to better serve the needs of our students and the people of Texas. The plan has been presented to the College which is also updating its own strategic plan. This spring the department underwent an external review by a national committee constituted by the Dean's office. In putting together all the necessary materials, it was gratifying to see how much we have accomplished in terms of gains in infrastructure and recruitment these past few years, and to hear the favorable remarks by the external review committee of their impressions of our department. Our faculty are excited by the gains we have made and are eager to work towards further improvements in the future.

I am pleased to report still further progress in improving our infrastructure. Dr. Ken Johnson led a successful shared instrumentation effort for a modern analytical ultracentrifuge such as the Beckman XLA. This instrument will be of great value to many of our faculty, enabling accurate mass measurements and the study of molecular interactions. Dr. Ben Shoulders has led a group that submitted a proposal to NSF to upgrade instruments in our NMR lab. We will hear about this proposal later this summer.

Students find the tables the department added in and around Welch Hall to be great for study groups.

Recruiting is the other major activity this spring, recruiting of graduate students and faculty. We had two graduate recruitment weekends, with over 100 prospective students visiting campus this spring and expect one of the largest incoming classes of graduate students we have had in several years. We had three, active search committees that have reviewed candidates in the areas of analytical, biochemistry, and theoretical chemistry for faculty openings at the assistant professor level, and our chair committee has also been active so we hope to have another successful recruiting year to report next fall.

As always, I want to thank all of you who have contributed to our department with your resources of time and money. I especially want to acknowledge the late Robert Hamilton (MA,1927 with Schoch) who has honored the department with an endowment to recruit and support graduate students. It is such a vital role that you as individuals and organizations play in helping us maintain our quality programs at UT-Austin.

On a final note, this is my last column as chair of the department. Before I ride off into the sunset, I want to thank you all for the opportunity to serve in this capacity and for your support over these past five years. I agreed to stay on an extra year

to see the various building projects to completion and to help with our strategic planning and the external review of our department. As I look back, I think we have accomplished a lot. Our infrastructure and physical plant are the best (*and safest*) they have been in many years, by this fall we will have hired 13 to 16 outstanding faculty at all ranks, and we have taken a major role in the development of chemical biology and materials science on this campus. Thanks to the generosity of our alumni and friends of the department, we have added substantially to our endowments for scholarships, and added three professorships and one chair to help recruit and retain outstanding faculty. It has been a busy time, sometimes fun, sometimes not so fun, but always interesting and mostly rewarding. One of the "perks" of the job of being chairman is to have the opportunity to work more closely with our staff, faculty, alumni, and administration. My heartfelt thanks go out to our dedicated staff that help make this place run so smoothly for so many, our faculty members who unselfishly go the extra mile to serve the department and meet the needs of our students, our friends and alumni for their generosity, and the upper Administration for their support of our efforts to make this one of the best departments in the country.

I am pleased to announce that beginning this fall Dr. James Holcombe will be chairman of our department. Jim is an analytical chemist who joined the department in 1974. Although work on strengthening and upgrading our infrastructure and addressing critical renovation needs will be an ongoing process, our energies will more likely focus on program construction rather than building construction over the next few years. Leading this department is a big job, and I urge your continued support for the department and Jim as he leads us during his term as chair.

Congratulations again to our graduates. We do appreciate hearing from you, and want *Chemical Compositions* to be your resource for keeping up with what is happening in *your* department.

Marv Hackert

SYMPOSIUM ON MOLECULAR STRUCTURE

Continuing a long-time tradition, the Eighteenth Austin Symposium on Molecular Structure was held this past March 6 - 8. The series of symposia, organized by Prof. James E. Boggs, has been held here at 2-year intervals since 1966. It is a relatively small meeting, with approximately 100 participants, but it brings a very distinguished group of chemists and physicists from the United States, Europe, and Asia to Austin to discuss their latest advances in both experimental and theoretical studies of the structure and vibrational dynamics of small molecules and the resulting implications for our understanding of chemical bonding.

Invited speakers this year were Jean Demaison from Lille, France, Pekka Pyykko from Helsinki, Finland, Takashi Nagata from Tokyo, Japan, Josef Michl from Boulder, Colorado, Paul von Rague Schleyer from Athens, Georgia, and Heinz Oberhammer from Tubingen, Germany. There were also many other shorter lectures and a large number of posters. A number of social events and parties made it easy for the participants to interact in a less formal way. Many report that their most useful connections are based on such informal contacts. For example, after a previous meeting Bob Curl from Rice invited Harry Kroto from Sussex to come by his laboratory in Houston for a visit. While there, they met with Richard Smalley and began the collaboration that led to the discovery of the fullerenes and Nobel Prizes for all three of them.

The meetings of this series of Austin Symposia continue to provide an outstanding opportunity for both our students and our faculty to meet with the leaders in their chosen field from all parts of the world in a congenial and friendly setting.

Jim Boggs

James Boggs

UT PAYS TRIBUTE TO THE LONGHORN MARCHING BAND

On the evening of May 8, the tower was lit orange in honor of The Longhorn Band centennial year, with "100" formed in the windows.

The Longhorn Band was founded in 1900 by a young chemistry instructor, E. P. Schoch. (Schoch later became a much-loved distinguished professor of chemistry, served as department chairman from 1916-1920, and founded the Department of Chemical Engineering in 1940.) With only sixteen students, Schoch began what is now known as "The Showband of the Southwest." The Longhorn Band, which has grown to 400 members representing nearly all academic majors, continues to promote pride and spirit throughout the university by way of musical excellence and leadership.

Continued from page 1.

numerous panels and commissions on science policy, including his role as Chairman of the Scientific Advisory Board of TheWelch Foundation.

Quoting Todd Ackerman's article in the Houston Chronicle (5/7/00), "Hackerman, the only son of immigrant parents, is the first to tell you he was a child of the Great Depression. Learning to do without luxuries, to perform tasks he didn't like and to not throw money around all taught him discipline, he says. Years later, as a university administrator having to cut budgets, the experience would come in handy." Norman Hackerman served as President of Rice University from 1970-1985 and holds the title of President Emeritus and Distinguished Professor Emeritus of Chemistry at Rice University. Prior to going to Rice, Dr. Hackerman spent twenty-five years at The University of Texas, Austin, Texas, where he joined the faculty as an Assistant Professor of Chemistry in 1945 and progressed to President in 1963. He is now Professor Emeritus of Chemistry at The University of Texas at Austin. He received his A.B. and Ph.D. from Johns Hopkins University. Prior to joining the faculty at the University of Texas, he taught chemistry at Loyola College and Virginia Polytechnic, and worked as a research chemist for Colloid Corporation, Kellex Corporation, and the U.S. Coast Guard.

Dr. Hackerman became a member of the National Science Board in 1968 and served as chairman from 1975 to 1980. In 1969, he became Editor of the Journal of the Electrochemical Society where he served for many years. Dr. Hackerman is a member of the National Academy of Sciences, the American Philosophical Society, and the American Academy of Arts and Sciences and belongs to numerous scientific organizations. He is author or co-author of more than 200 publications.

The last decade has seen the presentation to Hackerman of the Vannevar Bush Award, the highest honor of the National Science Board in 1993, and in that same year the National Medal of Science. The medal, the nation's highest award in science, was presented by the President of the United States in the White House Rose Garden. In 1999, the title of Texas Scientist of the Year was conferred by the Texas Academy of Science. Among a long list of awards, Dr. Hackerman received the American Institute of Chemists Gold Medal in March, 1978, the Mirabeau B. Lamar Award of the Association of Texas Colleges and Universities in 1981, the Distinguished Alumnus Award from Johns Hopkins University in 1982, Edward Goodrich Acheson Award of the Electrochemical Society in 1984, the Alumni Gold Medal for distinguished service to Rice University in 1984, the Charles Lathrop Parsons Award of the American Chemical Society in 1987, and the AAAS-Philip Hauge Abelson Prize in 1987. This would give argument to Hackerman's modest description of his career as "long, consistent, and pertinent but not outstanding."

The Welch Foundation, founded by Robert A. Welch in the 1950's, has over the years provided many millions of dollars to fund basic research. In his present position as Chairman of the Welch Foundation's Scientific Advisory Board, Norman Hackerman continues to lend his abilities to furthering scientific knowledge in the state of Texas. Now in his mid-80's, Hackerman closed his remarks to those assembled in Houston to celebrate chemistry and salute Norman Hackerman by thanking the Foundation for recognizing his career's work at this "interim" point. The glance back was over. He is on to the future.

Shirley Hull

Shirley Hull

WOMEN IN CHEMISTRY

The Women in Chemistry and the Tellurium Chapter of Iota Sigma Pi celebrated their one year anniversary this fall with the first annual Periodic Cake on November 19, 1999. Approximately 100 people attended the event. The cake was a huge success and not an element was left untouched. A trivia contest was also held during the celebration to investigate the lighter side of chemistry and allow those from the department to test their elemental knowledge. We would like to thank the Central Texas chapter of the American Chemical Society for providing money for the cake.

Expanding Horizons. This year WIC/ISP participated in Expanding Your Horizons, a workshop for middle school girls in the Austin area. The event, which is organized by TWIST (Tomorrow's Women in Science and Technology, website: www.twistinc.org), featured over 60 workshops about careers in math, science, and engineering and technology. Assistant Professor Angela Belcher, who received her Ph.D. for the study of organic-inorganic interactions in the mollusc Abalone, volunteered to help organize the workshop led by WIC/ISP. Our workshop focused on how inorganic structures, such as shells and pearls, are made in nature. This event took place on Saturday, March 25, at the University Teaching Center. We were very excited to work with these young women and share our love of science with a new generation of women in chemistry.

Spring Initiation. Our school year always comes and goes much more quickly than expected, but WIC/ISP had two more events to help us end the year right: our 3rd annual BBQ and our Spring initiation ceremony. The BBQ was held at the home of Kristen Smith (Treasurer of ISP, student of Prof. White) on April 29th. This is always a good chance for the members of ISP/WIC to relax and get to know one another. On April 15th, we welcomed 8 new members to ISP, including 6 graduate students and 2 undergraduates.

Curie Exhibit. The Women in Chemistry were invit-

ed by Chairman Marvin Hackert to participate in an exhibit honoring Dr. Marie Sklodowska Curie. This traveling exhibit, complete with duplications of the Nobel Prize awards given to Marie and Pierre Curie, was on display on the first floor of Welch Hall outside of the Mallet Library. This wonderful exhibit was loaned to our department by the Texas division of the Polish American Congress. It has already been on display at the Central Public Library in Houston, Texas A&M University and the University of Texas at El Paso. The exhibit consists of 18 panels, containing over 150 photographs and illustrations describing the life of Pierre and Marie Curie, their discoveries of polonium and radium, and their studies of radiation properties.

This amazing exhibit was honored by the WIC/ISP annual Spring Tea on February 21st in the Old Library. The Tea, which is held annually to allow an opportunity for students and professors to meet informally and discuss science, featured Marie Curie trivia and handouts regarding her life and discoveries. The Tea also allowed the Chemistry and Biochemistry Department to view portions of the exhibit up close, especially the Nobel Prize certificates given to Pierre and Marie Curie. The Tea, under the direction of Mary Satterfield (a student of Prof. Brodbelt and vice president of ISP), was a rousing success and a tradition we hope to continue for years to come.

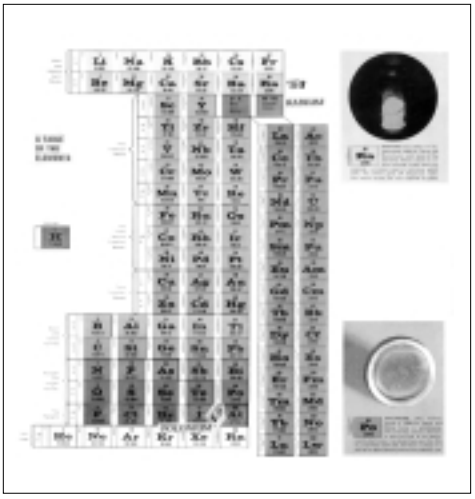
In closing, we would like to thank Professor Karen Browning (our faculty sponsor) for her continued financial and moral support, as well as Tommi Miller and Ashley Johnson (Prof. Holcolmbe) for their help at graduate student recruitment weekend.

Sandra Whaley
Secretary

Reproduced here with the permission of the Texas Division of the Polish American Congress.

Marie Sklodowska Curie
1867-1934

Pierre Curie
1859-1906



Christine Flynn, Laura Deschenes, Sandra Whaley, and Erin Gooch examine the exhibit honoring Dr. Marie Sklodowska Curie.

FACULTY AWARDS AND HONORS


Eric Anslyn

ERIC ANSLYN ~ promotion approval to **Professor**, received **Outstanding Teaching and Service Awards** from the Division of Continuing Education, and was selected as a member of the **Academy of Distinguished Teachers** at The University of Texas at Austin.

ALLEN BARD ~ was elected to the **American Philosophical Society.**


Angela Belcher

ANGELA BELCHER ~ received a **Beckman Foundation Award.**

JENNIFER BRODBELT ~ promotion approval to **Professor.**

MARVIN HACKERT is among those elected to represent the College of Natural Sciences on the **Faculty Council.**

BRENT IVERSON ~ received a **2000 Texas Excellence Teaching Award** from the Ex-Student's Association in the College of Natural Sciences.

DAVID LAUDE is among those elected to represent the College of Natural Sciences on the **Faculty Council.**

MICHAEL KRISCHE ~ was granted a **Summer Research Award for 2000.**

JOHN MCDEVITT ~ promotion approval to **Professor.**

JACEK NOWAKOWSKI ~ was granted a **Summer Research Award** for 2000.

BRIAN PAGENKOPF ~ was granted a **Summer Research Award** for 2000.

PETER ROSSKY ~ along with 4 other UT-Austin professors and 28 professors in North Carolina, received the **National Science Board's** multi-million dollar research award for a project on environmentally safe solvents.

JONATHAN SESSLER ~ was elected a **Fellow of the American Association for the Advancement of Science.**

JOHN TESMER ~ was granted a **Summer Research Award** for 2000.

STEPHEN WEBBER ~ along with 4 other UT-Austin professors and 28 professors in North Carolina, received the **National Science Board's** multi-million dollar research award for a project on environmentally safe solvents.


Grant Willson

C. GRANT WILLSON ~ received a **National Medal of Science** and the **Kosar Award** from the Society for Imaging Sciences and Technology in 1999 for the invention of chemically amplified resists.

ROBERT WYATT ~ and C. Lopreore were awarded **Best Research Paper Award** sponsored by the University Co-Operative Society for "Quantum Wavepacket Dynamics with Trajectories," published in *Physical Review Letters,* June 1999.

CELANESE ACADEMIC EXCELLENCE AWARD WINNERS IN CHEMISTRY

Celanese Academic Excellence Awards presented at a banquet on May 4th (l. to r.): James Fruge', Celanese Associate Chemist; graduate student, Mary Satterfield (Brodbelt); Prof. Michael Krische; undergraduate student, Katherine Kershen; Chairman Marvin Hackert; graduate student, Jennifer Kreisberg (Magnus); and Riley Kothmann, Director for the Celanese Pampa Plant.

IN MEMORIAM

Robbin Colyer Anderson

Robbin Colyer Anderson, 85, of Fayetteville, died Saturday, January 22, 2000, at Washington Regional Medical Center in Fayetteville. He was born June 8, 1914 in DeRidder, LA, to Ward and Elizabeth Richardson Anderson.

Prof. Anderson was educated in the Lake Charles, LA, public schools, received his baccalaureate and master's degrees from Louisiana State University and his doctorate from the University of Wisconsin. He married Margaret (Peg) Ball in 1946 in East Lansing, MI. He taught physical chemistry at The University of Texas, Austin, from 1939 to 1967, where he was department chairman from 1945 to 1950. Also, during his years as graduate advisor he helped many graduate students in our department. He served as head of the Academic Institute Program of the National Science Foundation in 1960-61.

In 1967, Prof. Anderson moved to Fayetteville to become Dean of the College of Arts and Sciences and professor of chemistry at the University of Arkansas. He was a member of the American Chemical Society, Sigma Xi, and the Fayetteville Rotary Club. He served as president of the Texas Academy of Science, the Arkansas Academy of Science, the Arkansas Association of Deans and the University chapter of the American Chemical Society. He was a member of the Central United Methodist Church in Fayetteville.

On a less formal basis, he enjoyed playing tennis frequently with Norman Hackerman, Al Matsen and Tom Morgan. The same group along with others from various departments, as well as chemistry, savored five-cent coffee at 10 a.m. on most mornings at a suitable coffee shop. After leaving UT-Austin in 1967, he continued the morning sessions on occasional visits to Austin until quite recently.

He is survived by his wife, Margaret (Peg) Ball Anderson; three sons, Charles Ward and his wife Linda Mahaffey Anderson of Okemos, MI, Robbin Bruce and his wife Elizabeth Lysinger Anderson of Houston, and Richard Ball and his wife Karen Imhoff Anderson of Weston, CT; and seven grandchildren.

Memorials may be made to the Dean Robbin C. Anderson Scholarship Fund, University of Arkansas Development Office, 325 Administration Building, Fayetteville, 72701, or the Fayetteville Public Library, 217 East Dickson, Fayetteville, 72701, or a favorite charity.

Bobby Joe Bowen, B.A. 1965, Ph.D. 1969 (Simonsen) ~ died January 15, 2000 at the age of 56. He had recently retired from General Electric and moved to Florida. He is survived by wife, Ginny; three children, Lauren and husband Scott Schamenss, Francine and husband Scott Grittinger, and John Christopher and wife Jodi; brother, Jim Bowen; and four grandchildren.

Dea Bailey Calvin, Sr., M.A. Chemistry 1925 ~ is deceased, date unknown.

Richard W. Hardt, B.S. Chemistry 1947, M.A. 1948 ~ died March 7, 2000 at the age of 78.

Norman D. Heitkamp, B.S. Chemistry 1961 ~ died March 1, 2000. He is survived by his wife, Barb Brown; daughters, Deborah and Julie; son, Robert; father, Denis; brother, Paul; and several grandchildren.

(Louis) Fred Ischy, Jr., ~ a long-time former employee of the department, died Tuesday, February 28, 2000. He was 68. Fred worked in the department machine shop for over 18 years, retiring in 1995. He is survived by his wife, Earline; a daughter, JoAnn; and a son, Fred, III.

James Gerard Lee, B.A. Chemistry 1949 ~ passed away January 1, 2000. Frances Marcyle Cain Lee, his wife, survives him.

Herbert Willim Meyer, B.S. Chemistry 1948, Ph.D. (Lochte) 1953 ~ died April 15, 2000 at the age of 75. He is survived by his children, Carol Ann Brock, Janelle Garrett, and Herbert Meyer III, and by his grandchildren.

William Nelson Wells, B.S. Engineering 1937, M.A. 1949 (Ayres) ~ died December 27, 1999. He is survived by his wife, Lillian J. Wells; daughter, Susan J. Sargent, and husband, Gene; and sister, Lucille Alexander.

RECRUITING GRADUATE STUDENTS

Jennifer Brodbelt

The Graduate Office is involved in a number of new activities designed to improve the success of the graduate student recruiting efforts. The Graduate Office has developed a recruiting web page that should be informative for prospective students. It can be accessed by going to www.cm.utexas.edu and highlighting “graduate admissions” on the front page.

Recruiting visits to various undergraduate schools have been arranged through the Graduate Office. Both faculty and current graduate students have been sent on these visits, which typically involve a research presentation and extensive contact with undergraduate students. For example, in the fall of 1999, faculty visited the University of North Texas, Trinity University, and Southwest Texas State University, while current graduate students visited Angelo State University, Emory University, and the University of Central Oklahoma. Letters to publicize the quality of our graduate program have been sent to colleges and universities in Texas and neighboring states and to former graduate students who have assumed faculty positions at other institutions. Some of the new activities, such as visits by faculty or current graduate students to undergraduate institutions, may not reap immediate benefits, but we hope to develop recruiting pipelines that will be fruitful for future years.

In addition to these newer activities, the department continues to improve the two weekend-long recruiting events that occur each spring. During each of these spring events, forty to fifty prospective graduate students who have been offered admission to the graduate program visit the department. The weekend kicks off with a gala poster/pizza reception on Friday evening, in which faculty, current graduate students and prospective students mingle and mix. Saturday is a full day of faculty seminars, a graduate student lunch, departmental and campus tours, and informal meetings with faculty and graduate students in the afternoon. The day is capped off with a barbecue dinner with door prizes. The weekend events are always a big hit and certainly one of our most successful recruiting tools.

Jennifer Brodbelt,
Graduate Admissions Advisor

Faculty recruit, Keith Stevenson, and Jennifer Brodbelt

Prof. Jenny Brodbelt and Prof. Jim Holcombe with visiting prospective graduate students.

Prof. Bill Gardiner (r.) and visiting prospective graduate students.

GRADUATE AWARDS AND FELLOWSHIPS

College of Natural Sciences Special Fellowship
Anne Courtney
Lelia Cosimbescu
Jing Wei

Dorothy A. Banks Fellowship
James Davidson
Victoria Kutilek
Courtney Lopreore
Chad Ostrander
Sandra Whaley

University Bruton Fellowship
Sandra Whaley

University Continuing Fellowships
Thomasin Miller

University Continuing Tuition and Fees Fellowships
Daniel Hirschhorn
Victoria Kutilek

University Dreyfus Fellowship
Daniel Hirschhorn
Sandra Whaley

University Preemptive Recruitment Fellowship
Karin Keller

Robert E. Eakin Endowed Centennial Fellowship
Victoria Kutilek
Rhonda Raymond

Faraday Teaching Excellence Award
Ryan Callahan
Donna Lyon

H. R. Henze Teaching Excellence Award
Sandra Whaley
Rebecca Zimmerman

Celanese Academic Excellence Award
Jennifer Kreisberg
Mary Satterfield

F. A. Matsen Endowed Presidential Fellowship in Theoretical Chemistry
Courtney Lopreore
Kim Fay Wong

Joanne M. Ravel-Regents Endowed Fellowship
Rhonda Raymond

Charles Morton Share Trust-Graduate Fellowship
Jeffrey Allison

Welch Full Fellowship
Jennifer Kreisberg

Welch Teaching Excellence Award
Michael Fiorentino
Brendan Grubbs
Thomasin Miller
Cameron Youngstrom

Welch Recruitment Fellowships
Hilary Plake
Ronald Seidel
Wendi Wagner

Gilbert H. Ayres-Regents Fellowship
Karin Keller

BASF Endowed Fellowship
Apolonio Aguilar

Chemistry Faculty-Regents Fellowship
Eric Archer
Kyle Felling

Dow Chemical Company Foundation
Joseph Manimala

H. L. Lochte Fellowship
William Balsanek

Leon O. Morgan Fellowship
Joseph Imhof

Royston M. Roberts-Regents Fellowship
Karl Griswold

Stanley H. and Kathleen F. Simonsen-Regents Fellowship
John Currie
Sarah Hopkins

Travel scholarships provided by:
John E. Mahler Endowment Fund
Clay B. Frederick-Rohm & Haas Endowment

Teaching assistants excellence awards recipients (l. to r.): Rebecca Zimmerman, Michael Fiorentino, Sandra Whaley, Ryan Callahan, and Thomasin Miller

Graduate student scholarship recipients with graduate faculty advisor, Jennifer Brodbelt

VIEW FROM THE UNDERGRADUATE ADVISOR


Brent Iverson

Programs and courses within the Department of Chemistry and Biochemistry continue to attract large numbers of undergraduate students. For example, the number of declared undergraduate majors in the department has climbed to a new total of over 800. Approximately 500 of these are Biochemistry majors and around 300 are Chemistry majors. Enrollment in the department's service courses also remains high. For example, last year the department offered 9 sections of General Chemistry 301 with a total enrollment of 3313 students. Other representative course enrollments include 9 sections of Organic Chemistry 610A with 1134 students and 4 sections of Biochemistry 339K with 336 students.

One reason for the popularity of courses and programs is clearly the culture of excellence in teaching that exists within the department. Over the past few years, department faculty have received numerous prestigious awards including an amazing four Jean Holloway Awards, two Friar's Centennial Teaching Awards, two Texas Excellence in Teaching awards, and several College of Natural Science Advisory Council Teaching awards. This enthusiasm and excellence in teaching has also resulted in four department faculty being inducted into the very prestigious Academy of Distinguished Teachers, more than any other department on campus!

Chemistry and Biochemistry education is changing as the needs of our students are changing. For example, there is an increasing need to incorporate technology into our courses and major options, and Austin's blossoming biotechnology industry will need employees educated with biotechnology in mind. In response to these needs, a computer science option to the department degree plans has been implemented, and planning of a biotechnology degree option has been initiated. Major changes in curricula are also required to keep pace, and the department will soon constitute a new committee to oversee the evaluation of current course offerings and recommend changes. The time is right to make significant enhancements to our courses and major options, and it will be exciting to see these changes take shape!

Financial assistance based on merit or need remains strong among our undergraduate majors, with support totaling over $66,000 last year. Awards were made to 82 undergraduates, and were as high as $5,000 per student. These awards are made possible by generous gifts from various private, corporate and foundation donors to the department. The greatest reward of being the undergraduate advisor is having the privilege of meeting the department's truly outstanding young men and women majors, and helping them achieve their academic goals with much needed financial assistance. Recognition for academic achievement in the form of a certificate or honor society membership is one thing, but a financial reward from the department has a quantum level increased impact on a student. Although many students have been helped, the number of deserving students continues to increase and far exceeds the departmental funds. Efforts must continue to increase the available department awards for undergraduate assistance to keep up with increasing enrollments.

Advising the large number of department majors has been as challenging as ever over the past year. Chris Johnson and Christina Perkins combined to provide services such as orientation of new students, registration advising, degree audits, crisis intervention and conflict resolution. Changes for next year will include an advising web page that will serve as the number one resource for important information needed by all Chemistry and Biochemistry majors. Christina was recognized this past year with a prestigious James Vick Advising award. Unfortunately for us, Christina has taken another position within the University, so the office is in the midst of finding a worthy replacement. All of us associated with the office will miss Christina's tremendous compassion for the needs of the students as well as her amazing organizational skills.

The undergraduate education enterprise within the department has never been stronger, yet at the same time, it has never faced as many challenges. Award winning teaching and advising, as well as a commitment to making important changes will characterize the next year. This is an exciting time to be in higher education as we chart the changes that will shape the education of our next generation of scientists.

Brent Iverson
Undergraduate Advisor

ACS STUDENT AFFILIATES

Scott Vajdos

The American Chemical Society Student Affiliate (ACS-SA) group continues in its efforts to help students in the Chemistry and Biochemistry Department. With a dedicated group of officers, general departmental support, and the guidance of our faculty advisor, Dr. Ruth Shear, the ACS-SA has been able to grow and expand its activities.

The ACS-SA is an affiliate of the national ACS organization, a professional association of nearly 150,000 member chemists and chemical engineers. The student affiliates are undergraduates and conduct an exciting program of activities for our majors.

Meetings: The ACS-SA has met twice monthly with speakers, including Dr. David Laude, Associate Dean of the College of Natural Sciences, describing what it takes to get into graduate school, Mr. Mike Johnston of the Texas DPS on chemistry in forensics, Ms. Bobbi Niedson telling us about the University of Michigan graduate school program, Mr. Adam Laubach of Dow Chemical talking on chemistry in industry and interviewing for industrial positions, and Ms. Joyce Thoresen telling us about opportunities for internships.

Services: The ACS Student Affiliates do far more than just hold meetings. Each semester we have a notebook sale, selling lab notebooks to students at a lower cost than the campus bookstores, helping students out financially and providing support for our own activities, including funding of student scholarships. We also have a major program which provides free tutoring for all lower division chemistry classes.

The Student Affiliates also provide chemically related services outside of our own department. For the College of Natural Sciences, we had a booth at "Gone to Texas," the welcome party for new freshmen and transfer students. We also helped the College on Parents Day, showing students and their parents the fun that can be had with silly putty. And in a program that we intend to expand in future years, we put on a chemistry circus for the sixth graders of West Ridge Middle School here in Austin to foster their fascination with the wonders of chemistry.

(L to R): Katie Hand, Natural Science Council Representative; Matthew Stair, Secretary; Scott Vajdos, President; Dr. Ruth Shear, Faculty Advisor; Eric Gonzales, former President; Sara Johnson, Vice President.

Activities: We also have fun. The big event every semester is the Broomball Game, scheduled just before finals. We represent the department in sporting events organized by the Natural Sciences Council, and we also have purely social events such as our ice cream social, which gives us the chance to talk, relax, and stuff ourselves on ice cream. (For more information about past and future activities, please see our website at www.cm.utexas.edu/acs/.)

As a member and participant in the ACS Student Affiliates since my freshman year, I can honestly say that it has been one of the most rewarding choices of my life. It is a great organization to be a part of, and I am proud to call myself a member.

Scott Vajdos
ACS-SA President, 1999-2000

College of Natural Sciences, Dean's Most Honored Undergraduates from Chemistry and Biochemistry, Sara A. Martinez and Kurt W. Sattelmeyer

1999–2000 UNDERGRADUATE AWARDS AND SCHOLARSHIPS

Dorothy Banks Foundation Trust
Scott Edwards
Daniel Hall
Michael Hoffman
Sara Johnson
Hyun-Joo Kim
Roshan Ouseph
Kurt Sattelmeyer

Dow Chemical USA Centennial Endowed Presidential Scholarship
Sri Kiran Chennupati
Mitul Kapadia

Dow Chemical Company Foundation
Frances Baca
Laura Grice

Dow Chemical Alumi Scholarship
Aleena Kurien
Omonele Ohen
Phong Le

Norman Hackerman Endowed Presidential Scholarship
Katherine Kershan

Burl Gordon Rogers Endowed Presidential
Idelberto Badell

Pirrung Scholarship
Zack Hogan

Hoechst Celanese Academic Excellence Award
Katherine Kershen

BASF Endowed Scholarship
Aleena Kurien
Everado Villarreal
Katherine Oliver

Marie Smith-Regents Endowed Scholarship in Chemistry
Lei Na Chio
Rockanna Mosser
Erik Guerra
Sara Johnson
Diana Simmons
Scott Vajados
Michael Rueckheim
Christina Bucalo

Shell Oil Company Foundation
Noah Goldberg
Olivia Ornelas
Joy Ghosh
Adriana Guerra
Brannon Ray Hyde
Andrew Chow
Aimee Kreger
Joey Russo
Amanda Ramirez
Dongwoo Lee
Martina Boyce
Shreya Parikh
Yashar Kenarangui

Charles Morton Share Trust Undergraduate Scholarship
Katherine Kershen

ACS Central Texas Award of Excellence
Sara Martinez
Amy Dezern

Friends of Chemistry-Regents Fellowship
Robert Reinauer
Arefa Vohra
Rhine Shen
Kyle Suire
Angela Izundu
Heather Doty
Kevin Reyes
Joy Ghosh

Chemistry Faculty
Seema Shah
Emily Jen

DuPont Enrichment
VanLinh Pham
John Strohmeyer
Byron Slaton
Mustafa Khan
Phuong Ho
Man Chen
Richard Shallcross
Sandra Frasser
Christina Bucalo
Sheila Modi
Samir Bhakta
Enyioma Onwudiegwu
Bianca Gonzalez
John Zepernick
Tai-Shan Lin
Anthony Hoang
Jody Black
Robert Reinauer

Various Donors
Jennifer Lara
Tariq Jaber
Tim Rountree

Undergraduate student scholarship recipients with department chairman, Marvin Hackert (l.), and undergraduate faculty advisor, Brent Iverson (r.)

1999–2000 CHEMISTRY AND BIOCHEMISTRY UNDERGRADUATE DEGREE CANDIDATES

SUMMER 1999 DEGREE CANDIDATES

Bachelor of Arts in Chemistry
Kimberly M. Alderson
Meredith Rene Beebe
Seung David M. Kang

Bachelor of Science in Chemistry
Rebecca Koch
Christopher L. Quirk
Sarah J. Register
Raymond Way Wu

Bachelor of Arts in Biochemistry
Ashis V. Barad
Tina Mei-Hsin Lin

Bachelor of Science in Biochemistry
Jennifer Beth Dunlap
Lowell Jenq Lo
Stephen Garrett Pavlas
Mary Alice Salazar
Hector Serrano
Lisa Elizabeth Snyder
Heather Lynn Zimmerman

FALL 1999 DEGREE CANDIDATES

Bachelor of Arts in Chemistry
Christella Medina

Bachelor of Science in Chemistry
Hsiao-Ling Huang
Suzanne Renee Kocian
Melissa Lynn Peters
Christopher E. Smith
Gregory Clayton Smith
Arefa Iliyas Vohra
Todd L. Williamson

Bachelor of Arts in Biochemistry
Sunil Agrawal
Heiwuk Bae
Toni Hsi-Hao Chu
Lissy Maria Diaz
Chao-Ju Lai
Dawar S. Nawab
Chol Kyun Tark

Bachelor of Science in Biochemistry
Neil Agrawal
Suzanne Louise Barzee
Monica Lisa Berlanga
Amy Elizabeth Braun
Juan Tafu Chang
Adriana Guerra
Alireza Jameossanaie
Adam James Jenkins
Ryan Cyril Pate
Shannon Nevada Price
Kevin Blancia Reyes
Amber Lee Southwell
Tony Quang Tran
Khashayar Kash Vahdat
Vanessa Thea Wellinghoff

SPRING 2000 DEGREE CANDIDATES

Bachelor of Arts in Chemistry
Stephen Martin
Jimmy Nguyen

Bachelor of Science in Chemistry
Ming Inn Chou
Katherine Day
Joanne Elaine Delk
Jason Daniel Herrera
Sara Michelle Johnson
Crystal Diane Jones
Michael Perham
Shannon Price
Ramin Saberi-Shirvani
Kurt William Sattlemeyer
Ruwani K. Somawardhana
Kyle M. Suire
Scott Francis Vajados
Jonathan G. Ward
Wiyanto Winatal

Bachelor of Arts in Biochemistry
Justin Steele Duda
David Ward Kinney
Aimee Pamela Kreger
Portia Lewis
Chukwunen Osuji
Shreya Parikh
Courtney M. Ramirez
Jimmy I-Ching Yen

Bachelor of Science in Biochemistry
Joe Camero, III
Sri Kiran Chennupati
John David Cross
Lawrence C. Fan
Joy Gispati Ghosh
Eric Briant Gonzales
Lauren Gail Grau
Brannon Ray Hyde
Joy Chieh-Yu Lin
Alisa Anne Lipski
Vivian Llorente
Bradley Losavio
Stephen Martin
Sara Cecilia Martinez
Bonney M. McHaney
Sheila Jane Modi
Rockann Mosser
Vanlinh Thi Pham
Rhine Ru-Ying Shen
Leisa Lynn Talbert
Ryan James Tedford
Jordan Whitman

STAFF AWARDS AND HONORS

Staff Excellence Awards Recipients (l. to r.): Kevin Connolly and Barbara Bachman with Marvin Hackert

Barbara Bachman was selected for a **University of Texas at Austin Excellence Award** for her "consistent, high-level performance."

Department of Chemistry and Biochemistry Staff Excellence Award went to Kevin Connolly.

Christina Perkins received the **James W. Vick Excellence Award for Academic Advising** for 2000.

Staff Service Awards Recipients (l. to r.): Barbara McKnight, Donna Reber, Steven Hilsberg, Barbara Bachman, Marvin Hackert, Monika Hill, Charles Thonig, Sandra Godfrey, and Ti Cao.

STAFF SERVICE AWARDS

	Years of Service
Barbara Bachman	10
Ti Cao	10
Sandra Godfrey	15
Monika Hill	15
Steven Hilsberg	20
Barbara McKnight	20
Mehdi Moini	10
Donna Reber	15
Charles Thonig	10

GRADY RETIRES?

Thirty-four years ago, the one and only Grady Rollins traveled into Austin from Liberty Hill and began working with the UT Building Maintenance department as an Instrument Maker I. To initiate the new millennium, on January 31, 2000, Grady Rollins took official retirement from UT. Between these two dates, Grady rose to the task at hand on innumerable occasions. He was promoted to Instrument Maker II and joined the machine shop staff in the Chemistry Department in November of 1973 and took over supervision of the machine shop in December of 1975.

At a celebration on January 31st, complete with food, honoring his work with us, Grady was presented with a short oral history of his time with us, including his projects for poor graduate students, his first foray into the machining of two-foot square plates of stainless steel, and his ever-accommodating, helpful attitude towards and work for our faculty, students and staff.

Gifts were presented that reflected his "inside" and "outside" interests. Among them, was a set of golf clubs for him to continue to develop his game including rounds with his granddaughter who, along with Grady's wife and daughter, came in from Liberty Hill to help celebrate and make sure Grady's coat and tie, never before seen in our building, were in place. Reflecting years of striped shirt whistle blowing, Coach Jody Conradt sent over a stuffed basketball inscribed with words thanking Grady for his informal UT Women's Basketball recruiting activities. Finally, to test his memory, he

was presented a 3D motion and rotation apparatus, complete with vacuum feedthroughs, that he built circa 1973 for Mike White — his memory was excellent.

So, we send Grady off into retirement with the fondest memories and best wishes for many holes in one and numerous visits to check up on us here. To the man who found no task beneath his dignity, we say "Thanks, Grady, for lending us your hands, your laughter, and your sharp mind for these many years."

J. M. White

Retirement Party: (l to r) Janie Rollins, Mike White, Grady Rollins, Marvin Hackert, James Gardner, John Cayias, and Joyce Cook

LONGTIME CAREER EMPLOYEE GARDNER RETIRES

A UT employee of almost 39 years, James Gardner recently joined the ranks of the retired. On January 31, 2000, James formally wound up a career that officially began on June 1, 1961.

After growing up in Stephenville, Texas, where his father was professor of architecture at Tarleton State College, James came to the University of Texas at Austin as an undergraduate student. A friend saw an advertisement posted for a part time job, and John Riney, who started the electronics shop in the chemistry department, hired James. This led to James being hired part- and later full-time in chemistry by the late Professor William H. Wade. Wade and Gardner formed a friendship and a working team that was destined to continue from 1962 until Dr. Wade's death in 1998.

Wade and his then graduate student, John Cayias, had designed a machine called a Spinning Drop Interfacial Tensiometer in 1974. Others tried unsuccessfully to build bigger models, but the Model 300 was the commercial success. In 1975, Cayias with helpers built about a dozen machines, then Cayias graduated. Though hired to do micro- calorimetry, at this time James started working in earnest with the Spinning Drop. In 1980, Professor Wade gave him the task of updating the machine. James designed an improved model that is more reliable, more compact, and totally built in-house. The redesigned machine did away with prefab parts that were originally used, and is the Model 500 still being produced and in great demand.

James is the father of three children. He has two major hobbies. One is music of all kinds with an emphasis on folk music, and the second is vintage motorcycle racing. Currently he owns a stable of vintage Honda motorcycles, "about seven," he says.

With so many in-service years, James is at home in his chemistry department shop and will continue working part-time building his fine Spinning Drop machines.

Shirley Hull

LETTER OF THANKS

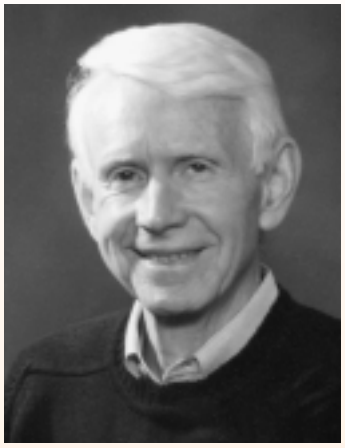
The editor of *Chemical Compositions* has kindly allowed me the opportunity to publicly express my heartfelt thanks to the many members of the Chemistry and Biochemistry Department "family" who made Grady Rollins' and my retirement party such a memorable occasion.

Although space constraints preclude naming all the colleagues present and past to whom I owe a large debt of gratitude, I would especially like to thank Dr. Marvin Hackert and his staff (who wouldn't take no for an answer to the partying question) and John Riney and the late Dr. Bill Wade who opened the way to a challenging, creative, rewarding and fun vocation. I have been able to make many lifelong friendships due to my situation here in the department and in the larger university community. For all this I shall be eternally grateful.

Sincerely,

James Gardner

Reminiscences



Isaac J. (Joe) Satterfield

Isaac J. (Joe) Satterfield

Born Salisbury, NC, December 26, 1929. Graduated Boyden High School, Salisbury, NC (June 1948). Attended Catawba College, Salisbury, NC, 1948-51; was Student Assistant in Chemistry Department for latter two years. Transferred to University of North Carolina in June 1951 and received BS (Chemistry), December 1952. From January-June, 1953 served as graduate assistant in Chemistry Department while taking graduate courses.

Entered graduate school of The University of Texas in September 1953. Teaching Fellow, 1953-55, recipient of University Fellowship, 1955-56 and Jefferson Chemical Company fellowship, 1956-57. Received Ph.D. (Organic Chemistry) in March 1958.

Began professional career in March 1958, as Research Chemist for Humble Oil and Refining Company (later, Esso Research and Engineering Co.), Baytown, Texas. In 1966 started working on polypropylene fibers in Exxon Chemical Polymer Labs (Baytown) and in 1971 became involved in selling to the fiber industry as a Sr. Tech Sales Representative for Enjay (now Exxon) Chemical in Houston. Named an Account Executive in 1975, he had responsibility for directing Plastics Department efforts in meeting present and future needs of certain fibers, film, and medical plastics markets until his retirement in 1992, after almost 34 years with Exxon.

He married Nancy Cunningham of Austin in 1957, and they have 5 children and 8 grandchildren. Son Joe, Jr. (Ph.D./geology, Rice) is an instructor at San Jacinto College, Houston. Daughter Mary (BS, UT), who taught high school science for over 10 years, returned to UT and is in the Ph.D. program in Chemistry. Son Will (MS/geology, UT) is responsible for Occidental Petroleum's new business opportunities in Africa. Daughter Julia (BS/ME, MBA, UT) recently resigned as engineering manager for a Dallas-area designer/manufacturer of thermoelectric devices to join Nancy's company. Daughter Carol (RN, Gordon College) is director of nursing at a health care facility in Georgia.

Nancy (MPH, UT) is president/founder of ElderCare Consultants, Inc., a privately-held company that originates, produces and markets educational materials (books, manuals, videos, etc.) designed for professionals and staff of long-term care facilities. Nancy and Joe are sole owners and look for daughter Julia to assume an increasingly important role in company operations.

Joe and Nancy live in Big Canoe, a planned community in the north Georgia mountains, and, in addition to active responsibilities with ElderCare Consultants, are active in their local Episcopal Church and enjoy frequent overseas travel and trips to visit children and grandchildren.

One of Joe's proudest recent achievements was as co-organizer and master of ceremonies at the first-ever joint high school reunion breakfast with graduates of the then-separate African-American and white high schools in Salisbury, NC. Occasion was the 50th anniversary of classes of 1948; schools were segregated until 1967.

Joe Satterfield, Ph.D. (Henze) 1958

Life as a new graduate student

It was about as hot a day as I could remember. Dan Satterwhite and I, friends from high school and college, stepped off the train at Austin on a September afternoon in 1953 after a 36 hour trip from North Carolina, ready to join the other 14,000 UT students expected that fall. It was a day of firsts for me— first time that far away from home, first time in Texas, and first time in every place between here and there. We collected our foot lockers (containing everything that we owned), talked the ticket agent into keeping them for us, and set off on foot to UT. We knew where to go since I had a folder describing Austin, which included a map. (I was particularly impressed that Austin was billed as *The City With Moonlight Every Night*, and there was a photo of one of the moonlight towers.) The campus was deserted, which wasn't too surprising since registration didn't begin until the following week. We headed for the Main Building, found the office of student housing and were shown a list that included a large two story colonial at 21st and Speedway. Rooms were available, and it was about as close to the Chemistry Building as we could get. By the end of that first day we'd rented a room, gone back to the train station down near the river, collected our footlockers (by taxi, no less!) and moved in.

Dan and I got to UT through the influence of Bob McKee, a Henze graduate and chemistry professor at

Speedway and 21st Street, 1953

the University of North Carolina. As seniors at UNC, we investigated graduate schools and were impressed by Bob's comments about UT. We had applied for teaching assistantships (TAs) at Texas as well as several other places; when UT acceptances came through for both of us, we jumped at it since Texas had the largest chemistry graduate school, even though the other universities had offered higher stipends.

My TA stipend was $900 for the academic year, plus being allowed to pay in-state tuition, which was $25 per semester. This was the highest salary I'd ever received and would support me quite handsomely. My TA assignment was to Prof. Eakin's lab section for his first year chemistry for home economics majors, all of whom were females. The lab was held in the newly completed Experimental Science Building and was in the center section, which was air-conditioned. Neil Artman, a Henze graduate student, had Eakin's other lab section and he delighted in dazzling the students during his pre-lab discussion session by memorizing complex organic structures before class and casually writing them on the chalk board.

TA office space was non-existent, so Dan and I were assigned desks at the east end of the second floor hall of the Chemistry Building, along with three or four others. Some months after our arrival, Prof. Henze (whom I had already met through Neil Artman and some of his other graduate students) told us that space was available in his labs across the street and invited us to move over. As I was packing up, Prof. Hatch (whose office and labs were adjacent to our temporary office space) came over to me and said, "I guess Henze's captured two more graduate students." I professed ignorance, since I hadn't even thought of selecting a research advisor at that time. I was beginning to learn of their heated rivalry.

I began my research advisor selection process near the end of my first year. I was interested in synthetic organic chemistry, so I talked with Drs. Bailey, Hatch, Henze, Lochte, and Roberts. I had previously told Prof. Henze that I wanted to work with him, but he insisted that I first interview the others. I suspect that he was attempting to avoid the charge that I was captive — nevertheless, when I went to interview Dr. Hatch, he leveled that charge and told me that it was a waste of his time to talk to me. I stammered a thank you and left.

My classes were typical of those taken by my contemporaries during the mid-1950s: Qualitative and Quantitative Organic Analysis (both by Lochte), Advanced Organic (Roberts, Gardner), Advanced Physical (Anderson, Matsen), Survey of Analytical and Problems in Analytical (both by Ayres) and Advanced Inorganic (Watt). Everyone took seminar (which was a grim experience, since professors and sometimes other graduate students would quiz the speaker on some obscure point that may or may not have been relevant to the subject) and research, plus courses in a non-departmental minor, which in my case was Bacteriology.

The one course that was avoided by most was Chem 391 *Selected Topics in Organic Chemistry*, taught by Prof. Henze. It was offered upon demand and only Henze graduate students were enrolled when I took it. Rumor was that the other organic division professors warned off their graduate students. Henze taught by asking questions; he had an unusual and unique way of looking at things, and some of his questions were way off the wall. The only sure thing was his disdain for mechanisms, and pity the student who brought them up. There was no way to be prepared and I usually left the session feeling frustrated and baffled by his unconventional reasoning and logic. After a while I got to feeling that Henze was singling me out, although I never spoke to him about it. Apparently this perception was relayed to him by someone else in the course; he commented to the class later, "In response to your impression that I've been too severe on Joe Satterfield, the Lord lovest those whom he chasteneth." I was emotionally affected by his words, but he never let up. It was not until some years after graduation that I began to appreciate and understand that he was helping us to break away from conventional ways of looking at things.

Hot, sweaty lab work

Dr. Lochte was my idea of the kindly grandfather figure, and he always treated me well. One of his teaching methods was pop quizzes; his usual practice was to ask a question about something that he'd read in the

library, whether it related to our course or not. We soon learned what to expect when we saw him in the library just before class! His organic quant class took many hours of hot and sweaty lab work, particularly since the Chemistry Building was not air conditioned and many of the unknowns required extensive heating over open burners on the lab bench. Sometimes these procedures didn't demand constant watching, but they needed more attention than would allow for a movie or much of a nap.

It was the annual Round-Up weekend, which was THE big social weekend every spring, with a parade on the drag featuring fraternity/sorority floats, and which was climaxed by an all-UT dance at Gregory Gym. Most of my classmates were in the organic quant lab, hoping we could get out before midnight. Dan Willson (MS/Chem) was also taking the course; he wasn't in the lab but his unknown was heating slowly on an adjacent bench. Suddenly Dan (accompanied by University Sweetheart Ellie Luckett) swept in to check the progress of his procedure. Dan was ATO fraternity president; he was dressed in a tux and Ellie, in a ball dress. They were on their way to the big Round-Up dance and stayed in the lab only long enough for a quick check. We were dumbfounded! It was almost as if we were on a slave-ship movie set and a couple from a Fred Astaire film just passed through, taking a short cut to another sound stage!

Prof. Gilbert Ayres was one of my favorites. In his courses he gave very crisp, polished lectures, clear and concise. He gave 10-minute quizzes once a week covering some aspect of his previous discussions, and it turned out to be a relatively easy way to keep up. He had a military bearing and demeanor (but not over-bearing) which was confirmed the first time he wore his Naval officer's uniform to class prior to reserve meeting later that day.

All graduate students were required to take courses in the four areas of chemistry; those on the Ph. D. track had to complete four written Preliminary Examinations ("prelims") in the basic fields (all of which had to be passed at the same time) and which were given twice a year. At least one reiteration was not uncommon. Admission to candidacy followed: passing the Major Examination in your chosen field (the next step) led to the appointment of a supervising committee. At that point, most graduate students had completed the required course work, and an indeterminate number of years of research ensued. Unfortunately, some became perennial grad students, content to enjoy the good life of the University community, while supporting themselves as TAs. Ph.D. candidates were also required to pass reading examinations in scientific French and German; most of us took a non-credit course in scientific French, since it was rumored that the professor would make it easy on us at exam time. The last hurdle was the Final Oral Examination, chaired by your research director and attended by the above committee. Graduate students firmly believed that the final oral (which was a defense of your dissertation) was the last opportunity to inflict pain upon the candidate, and wild stories circulated about what went on in the session, including outright rejection of your research and conclusions. When my turn came, Dr. Henze assured me that I knew more about my area of research than anyone else on earth. As it turned out, almost all of the questions had nothing to do with what I'd worked on!

Experiences of two students stand out in my mind. Marvin Deviney (Hackerman) had a 1950s state of the art record player and associated equipment in his lab on the first floor of the Chemistry Building. He enjoyed playing classical music late at night while doing research, and he would turn up the volume and open his lab doors to enjoy the full pleasure of the music. In summer, the windows of the building would be open and those of us in Experimental Science could hear the music quite well also.

One night the windows were closed and Marvin was cleaning glassware in the hood. He had two large beakers full of equipment immersed in a concentrated cleaning solution, heated by open burners. Unknown to Marvin, fumes from the hot solution which vented out through the hood exhaust system on the roof, contacted the moist, cool air and resulted in billowing clouds of white fumes which looked like white smoke. A roving security person saw it and turned in the alarm. Because of the potential dangers involved in chemical fires, a number of units arrived. The night watchman had been located; he unlocked the front door, and the firemen rushed in and were greeted by booming orchestral music. Racing up and down the halls, they located Marvin, who was as surprised as were the firemen to see each other. After major confusion the firemen identified the source of the "smoke" but they instituted a thorough search, apparently in disbelief that such fumes were responsible for all that they saw outside. Those of us across the street were hanging out of the second floor windows (Henze's lab space) enjoying the spectacle!

The second incident involves a thin, mid-30s year-old onion farmer from the Rio Grande valley. He showed up in Henze's lab one day and informed us that he was there to do graduate work. He didn't say much and kept to himself; we figured that Dr. Henze must have known his father or something like that, but Henze didn't comment. This student was very possessive of his equipment and reagents (all of which came from the storeroom); he labeled his chemicals with his own private nomenclature so that none of us would attempt to "borrow" them. He made up various stock solutions for his experiments, using soft drink bottles as receptacles. They

were duly labeled, but we didn't know what the labels meant. Once he was filtering a solution into a Coca-Cola bottle; he had folded the filter paper correctly and was holding the paper with one hand while pouring with the other. This was a tricky procedure since it was difficult to keep the tip of the cone within the top of the bottle. Henze came into the lab at about this time, observed the difficulty he was having in filtering without a funnel, and asked if he had ever heard of a filter paper support. His response was, "Yep, but don't need it," and he continued his filtering. He maintained his independent ways until early the next spring when he announced that he was going back home to help his father plant onions, and he'd be back. We never saw him again.

Two non-professorial personnel come to mind. One is Wayne Jackson, storeroom manager who held forth just to the left of the front door of the Chemistry Building. Wayne jealously guarded his equipment and reagents; he prided himself on having at least one of everything and he wasn't about to break that rule. I recall several heated exchanges, in which I demanded the sole remaining item that I critically needed—threats of complaining to Henze fell on deaf ears, and once I even tried to climb over the Dutch door to retrieve the thing I wanted. Actually, Wayne was doing his job, and he and I became good friends well before I graduated.

The second is Aubrey Skinner, Mallet librarian. "Skinner," as he was always called, was the classic overeager helper. When asked for assistance in locating a reference, he refused to rest until he had exhausted all his resources, all at a feverish pace. During such searches, he never walked but scurried from place to place within the library, pulling down books in rapid order. If the answer still wasn't forthcoming, he next contacted other departmental libraries, in hopes that maybe they would have something on it. In spite of (or maybe because of) his hyperactivity, Skinner was a valuable help during graduate school and was a friend as well.

Henze Men

Around the chemistry department, Henze's group was known of as *the Henze Men*, and that's what we called ourselves. (Actually there were two females in the earlier history of Henze's Ph.D. graduates.) We were a close-knit group, but not homogeneous, with marriage being the great divide. Most of us were single, and we spent many of our waking hours together. We almost always ate supper as a group; Louis Etter (an Austin native) had access to a car, and Steve Powell had his own, so we'd pick from the eating places up and down the drag. Several I remember were ToTam (a great hamburger steak plate for 75 cents!) and Pig Stand, both just north of the campus. Our favorite late night coffee, or maybe ice box pie, places were the Night Hawk on the drag at 19th (now MLK) and the other Night Hawk just south of the river on the west side of Congress. We liked the latter since it was less crowded and the waitresses seemed to appreciate us. We got to know Kitty there, and she'd occasionally offer Dan Satterwhite a free baked potato, since they didn't keep any unsold ones overnight. She told Dan that she was trying to fatten him up; Louis Etter would respond, "How about me? I'm skinny too!" Visits to Hill's Steakhouse, way out on south Congress (steaks would overlap the large plate and ice tea was served in huge non-plastic glasses) and Youngblood's, just across the river on Lamar (known for fried chicken and all-you-can-eat hot rolls and honey) were usually no more than once-a-year affairs.

One of the Henze Men's fringe benefits unknown to most others in the department was our keyed elevator access to each of the floors (including the unfinished top floor) of our section of Experimental Science Building. We were assigned elevator keys through Henze's generosity; the elevator was programmed for key usage only and we used it to avoid the stairs to our labs as well as accessing the top floor, which was a handy short-cut for those of us who were heading to bacteriology labs. Suddenly there appeared lots of furniture in that top floor area and we found out that these were samples being considered for Simkins Hall, a new dorm being built on San Jacinto, near the University Tea House, which was a cafeteria operated by the Home Economics Department. Included were tables, chairs, sofas and built-in bed units. We realized immediately that we had a wonderful study and sleep area; lack of air conditioning was no problem since it was winter. Most of us studied there on occasion and

"Henze Men" (l. to r.): Tom Davenport (Ph.D. 1957), Joe Satterfield, William David Compton (Ph.D. 1956).

a few even slept during long intervals between all-night experiments. We were careful not to abuse the privilege and kept things clean and orderly — when the furniture was moved out several months later, we hated to see it go.

Henze's lab and office complex occupied both sides of the east end second floor of the Experimental Science Building, with his office in the southeast corner as the only air-conditioned space. Since he didn't came back at night, his office was highly prized as a study area during the warmer parts of the year, and it often became a contest to get a choice seat at the secretary's desk. We never used Henze's desk; it was always piled high with papers and letters, article reprints, journals and small vials of various compounds. Nevertheless, with thumb and forefinger, Dr. Henze could reach in and pull out anything he wanted.

Our bachelor sub-group was our social club as well as academic consultative partners. When Dan and I signed on with Henze in 1954 the singles were Louis Etter, Steve Powell, Bill Plant, and Helmuth Hinderer. (Eilhard "Hardy" Kohlenberg left with his Ph.D. soon after I arrived; Dan left our group in 1955 when he decided to get married and finished up with an M.A.) Neil Artman, David Compton and Skip Hoyle were the only married students; they were usually out of our social loop since they went home for supper and generally didn't work in the lab late at night. Others who joined the group (until my graduation and departure in early 1958) were Tom Davenport, Ken Bartz, Ronald Garrett, Roy Sonntag, Jim Zachry and Eldon Sund. By that time, I'd gotten married and dropped out of the social whirl.

Although we Henze Men spent a lot of time together, we weren't exclusive in our friendships. We knew of the intra-departmental rivalries (especially between Henze and Hatch), but were unaffected on a personal level. We often joined with other graduate students for meals and very occasional out of town trips. (Early on, I was invited by several of Hatch's group to see a movie in San Antonio; I remember how amazed I was to go that far just for a movie!) Some of our joint eating buddies that I recall were Stan Brandenburger (Roberts), Joe Ashton, an especially good friend (Bailey), Paul Noyes and Don Mangold (Hatch), Marvin Deviney (Hackerman) and Dick Thompson, who was our TA in Organic Quantitative Analysis (Lochte). Many of us in the organic division were active in Alpha Chi Sigma, and it provided a social and professional link as well.

"Dr. Henze"

Prof. Henze came to UT/Austin in 1928 from the UT Medical Branch, where he had been professor and department head of pharmaceutical chemistry. He must have been quite a character in those earlier days in Galveston; during prohibition, he and several friends were said to have set up a still on the top floor of the pharmacy department, producing a quite acceptable product for some time. Another incident that he told us about involved a rush auto trip with several friends from Galveston to New England. In order to minimize rest stops and thus improve travel time he rigged up what he called a "body fluid escape tube," consisting of rubber tubing with attached funnel, with the other end of the tubing inserted through the floorboard opening that accommodated the gas pedal.

Dr. Henze refused to accept grants of financial support, since he firmly believed that there were attached (or implied) strings that could influence his research. Thus all of his graduate students began as TAs and we did all of our own product analyses, in contrast to many in the organic division. To compensate, he pushed hard to get scholarships and/or fellowships for us after our second year in graduate school. I had two University Fellowships and was awarded the Jefferson Chemical Fellowship, so I was supported for the remainder of my graduate studies.

His graduate students always called him Dr. Henze— never by any other name. I never heard anyone use his first name (Henry). On the telephone he referred to himself as Mr. Henze.

Dr. Henze was a bird hunter and he would invite all of his graduate students to an annual wild game dinner at his home at 309 Moore Blvd, a short street just to the north of the campus. The Henzes had a spacious dining area with a long trestle table that could easily accommodate all of us. Since it was a special occasion, we dressed up (I'd never seen several of my co-workers in a suit before) and, in keeping with Henze tradition, the senior graduate student in time of service sat at the end of the table and the good doctor occupied the head. Procedure was for Dr. Henze to serve the game and pass that plate down to the end for the senior graduate student to serve the two vegetables. Dr. Henze's wife (whom he always referred to as Mrs. Henze and never by her given name Elizabeth) brought the food to the table and was on call, but did not eat with us. For the three years that I attended, whole buttered new potatoes were one of the side dishes offered. I was more nervous than usual when it finally came my turn as senior, since I well remembered what happened to the server two years before. Then it was Steve Powell's turn, and as he was dishing out the buttery potatoes, one good sized one slipped out of the spoon and rolled down his shirt front, coating his tie before landing in his lap. Dr. Henze said nothing (nor did we) and the meal proceeded as usual.

During his more than 40 years at UT, Dr. Henze directed research of 70 Ph.D.s (of which I was number 60) and 45 M.A.s. His last Ph.D. candidate graduated in 1962, four years after me. When Henze's former graduate students stopped by, their invariable comments were that he had mellowed a lot and was much more laid back. In

spite of his outward shell of haughty indifference, Dr. Henze showed some tender, caring moments during the time that I knew him. I heard from one of his contemporaries that he refused to go to his friends' funerals because he got so emotionally involved. He was very concerned about my wife Nancy's pregnancy and was particularly interested in whether she was walking enough and whether she was taking the proper vitamins. One of his last comments as I left for my post-Ph.D. position with Humble R. and D. in Baytown was "Take good care of your wife and don't let her get too tired." Nancy's father was chemical engineering professor Dr. Bill Cunningham; during our first visit back to Austin after our son's birth, Dr. Henze came over to the Cunningham's to see the baby, and he acted very much like a doting grandfather.

Some years later I was invited to give a U.T, Chemical Engineering seminar (courtesy of my father-in-law) on plastics research, and there was Henze in the front row! I walked back to his office with him and we had a most enjoyable visit until he had to leave for class. I never saw him again. Some time after retirement, he put down his gun and took up bird watching, which was his wife's first love. He had a heart attack during a 1972 birding tour near Hudson Bay in Canada and died in Austin three months later. He was 78 years old. It was only some years afterwards that I began to appreciate what he meant to me, and it is to my lasting regret that I never told him how much I cared for him and (perhaps as a shock to him!) that I loved him.

Dr. Henze was a complex person, and there was no middle ground of opinion among those who knew him. He had the demeanor of a Prussian officer, except for his height, which he seemed to compensate for by his very erect posture and rapid step. Although at times he appeared to be egotistical, arrogant, intimidating, intolerant, insulting and opinionated, he was also innovative and visionary in his small group instruction, and loving, caring, sensitive, tender-hearted and giving in his one-on-one personal relationships.

In retrospect, I realize that not just Dr. Henze, but the professors, students, staff and ordinary Texans of that community called the UT Chemistry Department, were the ones that provided the career and life lessons that have stayed with me ever since.

I. J. (Joe) Satterfield
December 4, 1999

CALL FOR HELP

We encourage alumni to share their memories and experiences during time spent in the department.

Contact Joyce Thoresen,

(512) 471-5916,

joyce@mail.utexas.edu

if you wish to contribute a "reminiscences" article for a future newsletter.

TxTell

TxTell is a web site that chronicles the impact of The University of Texas at Austin on the state of Texas and the world. TxTell relates the personal stories behind the many distinguished people who make up the UT family, past and present. It also provides information about UT programs and collections, describes our research and discoveries, and highlights other contributions that have made a difference over the past 116 years and counting.

This project is a collaboration of the Office of the President, University Relations, General Libraries, the Ex-Students' Association, and the Texas State Historical Association and may be found at http://txtell.lib.utexas.edu/index.html.

ALUMNI RETORTS

1930

W. Alfred Smith, M.A. Chemistry ~ celebrated his 95th birthday in January 2000. He retired from E. I. DuPont DeNemours & Co., Inc. in 1969 after 39 years of service.

1964

Daniel J. Najvar, B.S. Chemistry ~ retired from Dow Chemical R&D in 1993 and writes books on continuous improvement for individuals and corporations.

1968

L. Preston Mercer, B.S. Chemistry, Ph.D. Louisiana State University ~ accepted the position of Dean and Executive Officer at the University of South Florida – Lakeland Campus in September 1999.

1970

David F. Pickett, B.S. Chemistry 1962, M.A. (Morgan) 1965, Ph.D. (Anderson) ~ retired from Hughes Space and Communications in 1995 and works 1/2-time for Eagle-Picher Technologies and 1/2-time as a private consultant (AAAA Energy Enterprises, Inc.).

James M. Watson, B.S. 1965, Ph.D. 1970 ~ recently retired as Senior VP Technology from Columbian Chemicals Company and relocated to Fredericksburg, TX.

1977

Alan Nichols, B.S. Chemistry 1973, M.A. (Fonken) ~ has taken a new position as Director, Reference Standards Marketing, at Pharmacopeia in Rockville, MD.

Douglas B. Olson, M.A. 1962, Ph.D. (Gardiner) ~ is principal scientist at Wilfred Baker Engineering, Inc. in San Antonio, TX.

1978

Martin D. Friedman, Ph.D. (Stotter) ~ is president of Blue Ridge Chemicals in Greensboro, NC.

1979

Usha Patel, M.A. (Gilbert) ~ received a "Technical Achievement Award" from the national ACS. These awards go to industrial scientists working at the non-PhD level. She won the award for her work on a series of peptidomimetic compounds that block protein-protein recognition through SH2 domains. She is employed at Boehringer Ingelheim Pharmaceuticals.

1985

Daniel F. Persico, Ph.D. (Lagow) ~ has been promoted to Vice President of Technology at KEMET Electronics Corporation, Greenville, SC. He is responsible for R&D and new business development. He and his two sons are enjoying living in South Carolina. Former acquaintances are invited to contact Dan at danielpersico@kemet.com.

1987

David L. Van Vranken, B.S. Chemistry, Ph.D. (Stanford University) 1991 ~ received the Cope Scholar Award.

Marv Hackert visits with alumni at Dow Chemical, Freeport (l. to r.): Mike Edens (Ph.D. 1978, Pettit), Martha Edens (M.A. 1979, Pettit), Marvin Hackert, Carla Harper Schmidt (Ph.D. 1998, Laude), and Mark Hazelrigg (Ph.D. 1973, Bard)

According the *C&E News*, earlier honors include a National Science Foundation CAREER award, a Camille & Henry Dreyfus New Faculty Award, a Glaxo-Wellcome Chemistry Scholar Award, and an Eli Lilly Faculty Grantee Award. He has been assistant professor of chemistry at the University of California, Irvine since 1994.

1990

Terri Krakower, Ph.D. (Ziegler) ~ has been Coordinator of the International Bibliographic Information on Dietary Supplements database of scientific literature and Scientific Communications Specialist at the National Institutes of Health, Office of the Director, Office of Dietary Supplements since 1998.

Bryant C. Nelson, B.S. Chemistry; Ph.D. Analytical Chemistry 1996, University of Massachusetts at Amherst ~ is a research chemist in the Analytical Chemistry Division at NIST, pursuing a masters degree in Biotechnology at Johns Hopkins Univeristy.

1993

Curtis Kelly, Ph.D. (Robertus) ~ is pleased to be back in Texas and working for Alcon Laboratories in Fort Worth.

Liwen Zhang, M.A. (Appling) ~ works as a research scientist at Merck & Company in Rahway, NJ.

1994

Melissa J. Hubbard, B.S. Chemistry, M.D. ~ just started her new residency in family medicine.

Laura A. Pressley, Ph.D. (White) ~ is a member of the technical staff at Advanced Micro Devices and works on enhancing the device yields for 1 GHz microprocessors. She is co-author of several publications and was issued a U.S. patent. She is married and has a 14-year old daughter, Sydney.

1997

Michael Patrick Dwyer, Ph.D. (Martin) ~ accepted a position at Schering-Plough Research Institute in Kenilworth, NJ as a senior scientist. He works in the Infectious Diseases and Tumor Biology program.

Michael N. Miller, B.S. Chemistry ~ is an Advanced Research Chemist at 3M Austin.
Denise M. Perreault, Ph.D. (Anslyn) ~ is a Research Chemist at Dow AgroSciences in Indianapolis.
Catherine Wells Schuelke, B.A. (Biochemistry) ~ reports she substitute teaches at the high school level. Students are "nearly overwhelmed when a sub comes into a science or math class and can . . . do the assignment and answer questions."

1998

Scott Reese, B.S. Chemistry, Ph.D. (Fox) ~ is working for an intellectual property law firm as a Scientific Advisor.

1999

Jacqueline Johnson, B.S. Biochemistry, B.S. Mathematics ~ is a masters student in Biostatistics at the School of Public Health at University of North Carolina Chapel Hill.

SEMINAR PRESENTATIONS

Department of Chemistry and Biochemistry
The University of Texas at Austin
Academic Year, 1999-2000

ANALYTICAL/PHYSICAL

Prof. Biman Bagchi, Indian Institute of Science
Prof. Paul Barbara, UT-Austin
Prof. Allen J. Bard, UT-Austin
Dr. Victor Batista, University of California, Berkeley
Prof. Jennifer Brodbelt, UT-Austin
Prof. David Clemmer, Indiana University, Bloomington
Dr. David E. Cliffel, University of North Carolina, Chapel Hill
Prof. Mark D. Ediger, University of Wisconsin, Madison
Prof. Michael D. Fayer, Stanford University
Dr. Stephen Gray, Argonne National Laboratories
Prof. Rigoberto Hernandez, Georgia Institute of Technology
Prof. James Holcombe, UT-Austin
Prof. David Jonas, University of Colorado at Boulder
Prof. Ilya Kaplan, National Autonomous University of Mexico
Prof. Gary R. Kinsel, UT-Arlington
Prof. David Laude, UT-Austin
Dr. Dmitrii Makarov, University of California, Santa Barbara
Prof. Mark Maroncelli, Pennsylvania State University
Prof. John McDevitt, UT-Austin
Prof. Michael V. Mirkin, City University of New York
Dr. Mehdi Moini, UT-Austin
Dr. Shuming Nie, Indiana University, Bloomington
Prof. David W. Oxtoby, University of Chicago
Dr. J. Michael Ramsey, Oak Ridge National Laboratory
Prof. William S. Rees, Jr., Georgia Institute of Technology
Prof. Jason Shear, UT-Austin
Dr. Keith Stevenson, Northwestern University
Prof. Peter R. Taylor, University of California, San Diego
Prof. Jerry L. Whitten, North Carolina State University
Prof. Adam Woolley, Harvard University
Dr. Sophia Yaliraki, Northwestern University
Prof. Timothy Zwier, Purdue University

BIOCHEMISTRY

Dr. Kendra Hightower, Duke University
Dr. Edward Marcotte, University of California, Los Angeles
Dr. Bruce A. Palfey, University of Michigan
Dr. Christian Schafmeister, Harvard University

INORGANIC

Dr. Thomas Bjornholm, University of Copenhagen
Prof. Alan Davison, Massachusetts Institute of Technology
Prof. Hans Joachim Breunig, Univsity of Bremen
Prof. Merlin L. Bruening, Michigan State University
Prof. John L. Margrave, Rice University
Prof. Rinaldo Poli, University of Bourgogne
Prof. Jan Reedijk, Leiden University
Dr. Howard W. Turner, Symyx Technologies, Inc.
Prof. James D. Wuest, University of Montreal

ORGANIC

Prof. Eric V. Anslyn, UT-Austin
Prof. Carolyn Bertozzi, University of California, Berkeley
Prof. James P. Collman, Stanford University
Prof. Craig Forsyth, University of Minnesota, Twin Cities
Prof. Scott R. Gilbertson, Washington University
Prof. Graham B. Jones, Northeastern University
Dr. John Josey, Array BioPharma
Dr. Terry Kelly, Boehringer Ingelheim
Dr. Philip Kym, Abbott Labatories
Prof. Stephen F. Nelsen, University of Wisconsin
Prof. Anthony J. Pearson, Case Western University
Prof. Vincent L. Pecoraro, University of Michigan, Ann Arbor
Prof. James Rigby, Wayne State University
Prof. Yitzhak Tor, University of California, San Diego
Prof. Olaf G. Weist, Notre Dame University

ANALYTICAL/PHYSICAL CENTENNIAL LECTURE

Prof. Andrew G. Ewing, Pennsylvania State University

JOHN E. MAHLER MEMORIAL LECTURESHIP

Prof. Maurice S. Brookhart, University of North Carolina, Chapel Hill

THE F. A. MATSEN ENDOWED REGENTS LECTURESHIP ON THE THEORIES OF MATTER

Prof. John A. Pople, Northwestern University

NOVARTIS LECTURE IN SYNTHETIC ORGANIC CHEMISTRY AND BIOCHEMISTRY

Prof. Paul E. Grieco, Montana State University-Bozeman
Prof. James D. White, Oregon State University

THE W. ALBERT NOYES, JR. LECTURESHIP

Prof. Sylvia T. Ceyer, Massachusetts Institute of Technology

ROWLAND PETTIT CENTENNIAL VISITING PROFESSORSHIP

Prof. Louis S. Hegedus, Colorado State University

VISTA CHEMICAL COMPANY-REGENTS ENDOWED MEMORIAL LECTURESHIP IN ORGANIC CHEMISTRY

Prof. Robert G. Bergman, University of California, Berkeley

THE GEORGE AND PAULINE WATT CENTENNIAL LECTURESHIP

Prof. Francois Mathey, Ecole Polytechnique

As always, we welcome updates on your personal and professional news.
Send us an e-mail message: chemalum@mail.cm.utexas.edu
Please note: this is a new email address—it works!
Call us: 512-471-3949
Fax us: 512-471-6835

Visit the department on the internet: http://www.cm.utexas.edu

CREDITS:

Newsletter Staff
Marvin Hackert, Jim Boggs
Editing/Production/Photography

Marvin Hackert, Larry Poulsen, Anna Shin, Joyce Thoresen, Joanne Williams
Photography

Joyce Thoresen
Editorial Coordinator

The Department of Chemistry and Biochemistry
The University of Texas at Austin
Austin, TX 78712-1167

Address Service Requested