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Magomedov-Shcherbinina Family

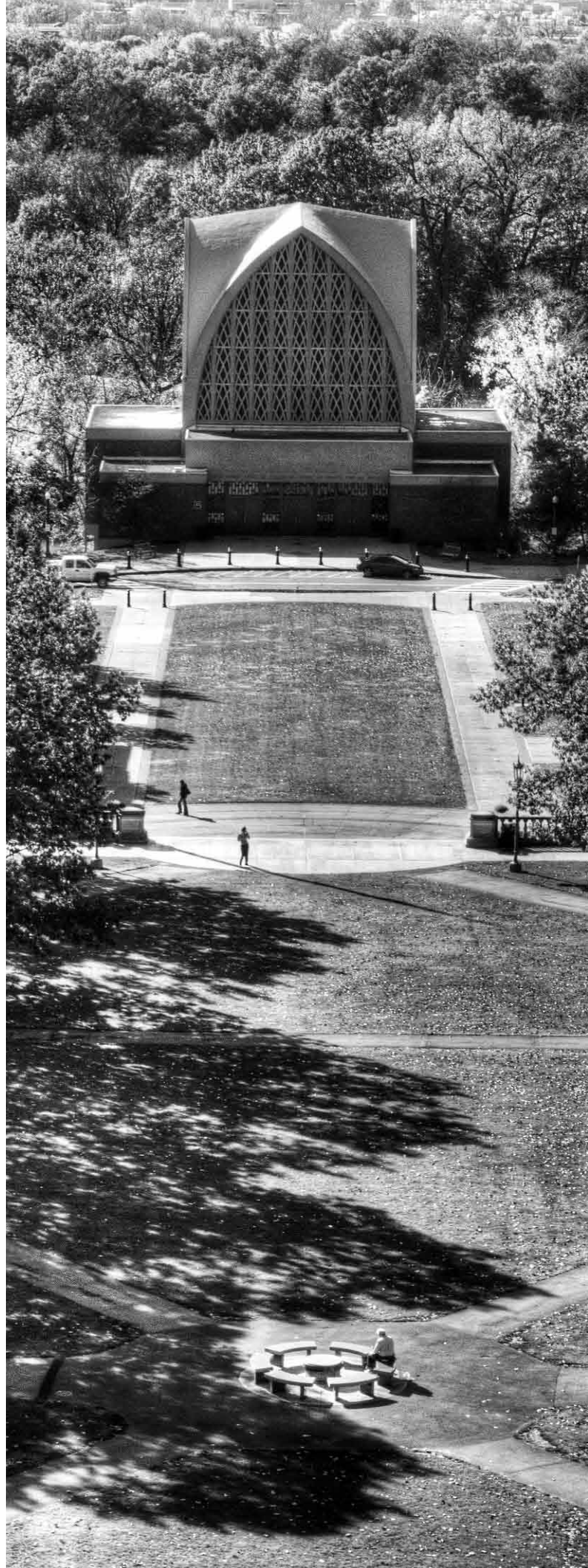
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ERWIN KLINGSBERG (PH.D. '44) presented a lecture on August 17, 2008 at the 236 National ACS meeting in Philadelphia entitled "Three ACS Questions" under the auspices of the ACS Division of the History of Chemistry. Dr. Klingsberg worked at American Cyanamid's Bound Brook Laboratory from 1946 until 1981, rising to the rank of Research Fellow. He is author and inventor of over 75 publications and patents, has lectured on his work in many parts of the world, and has held a number of visiting professorships in the U.S. and abroad. Now retired, he resides in Washington, DC and continues to do research in the history of chemistry.



EDWIN D. BECKER (B.S. '52) was elected to the inaugural class of Fellows of the American Chemical Society in 2009. Established in 2008, the ACS Fellows program recognizes those scientists who have distinguished themselves in multiple areas, including the promotion of science, the profession, and service to the American Chemical Society. Dr. Becker has spent the major part of

his career since 1955 at the National Institutes of Health near Washington, DC. He has been Chief of the Molecular Biophysics Section, 1961-72; Chief of the Laboratory of Chemical Physics, 1972-80; Associate Director for International Research, 1979-81; Associate Director for Research Services, 1980-88; Chief of the NMR Section in the Analytical Chemistry Laboratory, 1988-98; and Scientist Emeritus, 1998 to present. He is internationally known for his research in molecular spectroscopy and nuclear magnetic resonance (NMR), and for his three books on NMR.

ROBERT P. FRANKENTHAL (B.S. '52) received the ECS Edward Goodrich Acheson Award in 2008. After leaving Rochester, he earned his Ph.D. in analytical chemistry from the University of Wisconsin (1956), where he was a Procter and Gamble Fellow in 1954-1955. Thereafter, he joined the Applied Research Laboratory of U.S. Steel Corp. and in 1960, he transferred to U.S. Steel's E. C. Bain Laboratory for Fundamental Research, where he conducted research on the passivation and localized corrosion of iron and ferrous alloys and the application of new surface analytical and electrochemical techniques to corrosion research. In 1972, he joined Bell Laboratories to study the corrosion and passivation of metals and the protection and reliability of electronic materials and devices.

His research has resulted in more than 100 publications and eight patents. In 1983, he received the Distinguished Technical Staff Award for Sustained Achievement from Bell Laboratories and has been the recipient of numerous other honors; He was elected an ECS Fellow in 1995 and an ECS Honorary Member in 2003. He received the H. H. Uhlig Award of the ECS Corrosion Division in 1989 and was honored by the Division with a symposium and proceedings volume, "Corrosion Science: A Retrospective and Current Status in Honor of Robert P. Frankenthal" in 2002. He was also named a Fellow of NACE International in 1994 and received that society's Willis R. Whitney Award in 1997. Dr. Frankenthal has also been active in various elected and appointed positions in other societies, most recently as Editor-in-Chief of the *Journal of Materials Research* (1998-2001) for the MRS.

WALTER COOPER (PH.D. '57) was the recipient of two tributes this past year commemorating his career-long record of civic engagement. In September 2008, UR's Frederick Douglass Institute for African and African-American Studies awarded Frederick Douglass Medals to two recipients in recognition for their efforts to ensure equal opportunity in education and in the workplace. Walter Cooper, retired research scientist at Eastman Kodak Company, was honored along with David Kearns, retired CEO of Xerox Corporation. Both were presented with the medals at the inaugural Frederick Douglass Dinner at the UR Medical Center by President Joel Seligman. Dr. Cooper is a New York State Regent Emeritus and the first African-American to earn a doctorate in physical chemistry from the University of Rochester. After joining Kodak in 1956, Dr. Cooper rose from research scientist to manager of research innovation and technical communications. In the 1960's, when race riots rocked the city of Rochester, he was a key African-American leader who wrote the original proposal that secured funding for Action for a Better Community, serving as the organization's associate director in 1964. The following year, he served as associate director of the Rochester and Monroe County Anti-poverty Program and was a founding member of the Urban League of



Walter Cooper Ph.D. '57 and President Joel Seligman

Rochester. In recognition of his engagement in civil rights, Dr. Cooper was asked to serve on the New York State Advisory Committee of the U.S. Civil Rights Commission. To enable more opportunities for African-American students, in 1973 he helped found the city's Urban-Suburban transfer program, which still operates today. From 1988 to 1997, he served as a New York State Regent and continues to lend his expertise to regent committees today, including the Interstate Migrant Education Council, which advocates for the educational rights of migrant workers' children. In another effort to honor Walter Cooper's myriad contributions to the City of Rochester, it was announced later in 2009 by Superintendent Jean-Claude Brizard that a new Rochester public elementary school will soon bear his name. The Rochester Board of Education approved the naming of the school; the Dr. Walter Cooper Academy opens this fall at 353 Congress Ave. "Walter Cooper is a legend and he exemplifies educational excellence," said school board President Malik Evans. "He understands the challenges in education but sends the message of not letting challenges limit ability. His life is an example of that."



SUSAN R. FAHRENHOLTZ (M.S. '60) was elected to the inaugural class of Fellows of the American Chemical Society in 2009. The ACS Fellows is a new program; the 162 newly elected members in the inaugural class "share a common set of accomplishments, namely true excellence in their contributions to the chemical enterprise coupled with distinctive

service to ACS or to the broader world of chemistry," said Past-President Bruce E. Bursten, who advocated for creation of the program in 2008. Susan R. Fahrenholtz, an adjunct professor at Fordham University and retired chemist from Bell Labs, has championed disadvantaged students during her entire career. In addition to teaching at Fordham, she volunteers with the North Jersey Section Summer Educational Experience for Economically Disadvantaged (SEED) students program, which provides mentors for high school students doing scientific research at various universities. In 2006 she was recognized for this work with the ACS Award for Encouraging Disadvantaged Students into Careers in the Chemical Sciences, sponsored by the Camille & Henry Dreyfus Foundation.

RICHARD ENGLISH (B.S. '65) wrote that one of his fondest memories of the Chemistry Department was Marshall Gates' personal delivery of a birthday cake on his birthday to his freshman dormitory, thanks to a long-standing relationship between Marshall Gates and his father. He also recalled his student days with Jack Kampmeier, although his chemistry career took him

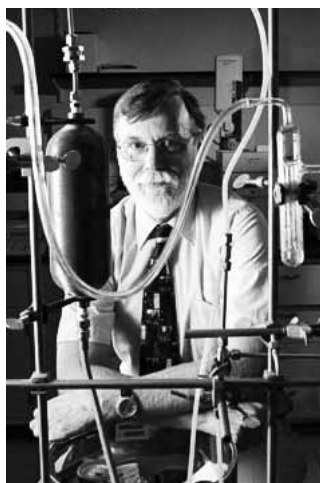
in the direction of physical, not organic, chemistry. After leaving Rochester, Dr. English went on to earn a Ph.D. in physical chemistry from MIT. Upon graduation, he moved into the 'real' world of chemistry quickly by working at GE in West Lynn, MA for two years doing applied research. He then relocated to San Jose, CA to join GE's Nuclear Power Group, first as a materials and process engineer and later as a manager of a mechanical design engineering group, designing nuclear fuel elements. The latter part of his industrial career was spent in management roles in the semiconductor capital equipment industry. About eight years ago, he and his wife moved to the San Jose, CA area where he now works remodeling houses and as a part-time career coach, assisting people in career transition.

SUEDEEN G. KELLY (B.A. '73) In March 2009, President Barack Obama announced his intention to nominate Suedeem Kelly for Commissioner of the Federal Energy Regulatory Commission. Dr. Kelly has served as a Commissioner at the Federal Energy Regulatory Commission since November 2003. In December 2004, she was



confirmed to a second term that expired June 30, 2009. Previously, she was a Professor of Law at the University of New Mexico School of Law, where she taught energy law, public utility regulation, administrative law and legislative process. She also worked with the law firms of Modrall, Sperling, Roehl, Harris & Sisk in Albuquerque from 2000 through 2003 and Sheehan, Sheehan, and Stelzner from 1992 through 1999. In 2000, Dr. Kelly served as counsel to the California Independent System Operator. In 1999, she worked as a Legislative Aide to U.S. Senator Jeff Bingaman. Prior to joining the faculty of the Law School, Kelly served as Chair of the New Mexico Public Service Commission, which regulated New Mexico's electric, gas and water utilities. She had been a lawyer in the Office of the New Mexico Attorney General and with the New Mexico firm of Leubben, Hughes & Kelly and has worked in Washington, DC, for the Natural Resources Defense Council and Ruckelshaus, Beveridge, Fairbanks & Diamond. Suedeem Kelly received her B.A. with Distinction in Chemistry from the University of Rochester and a J.D. *cum laude* from Cornell Law School. She is admitted to the bars of New Mexico and the District of Columbia.

DENNIS CURRAN (PH.D. '79) was elected to the inaugural class of Fellows of the American Chemical Society in 2009. The ACS Fellows is a new program, established in 2008, which recognizes those scientists who have distinguished themselves in the promotion of science, service to their profession, and service to the American Chemical Society. Having joined the faculty of the Chemistry Department at the University of Pitts-



burgh in 1981, Dennis Curran is Distinguished Service Professor and Bayer Professor of Chemistry and the founder of Fluorous Technologies, Inc. The recipient of numerous awards, Prof. Curran has authored over 350 papers, thirty patents and two books, and is renowned for his work at the interface of radical chemistry and organic synthesis. Most recently he has made important contributions to the emerging discipline of fluorous chemis-

try and in 2008, received the ACS Award for Creative Work in Fluorine Chemistry. While a graduate student at Rochester, he completed his doctoral work under the direction of Andrew S. Kende.

CLIFFORD KUBIAK (PH.D. '80) was the recipient of the University of Rochester Distinguished Scholar Award in 2009. This award recognizes alumni with doctoral degrees from UR who have distinguished themselves in their professional fields. The award presentation took place at the 2009 doctoral graduation ceremony at the Eastman Theater on May 16, 2009 in Rochester. Cliff Kubiak is currently the Distinguished Professor of Chemistry and Harold C. Urey Chair of Chemistry at the University of California, San Diego. He was recognized by UR for demonstrating extraordinary creativity in addressing problems of deep fundamental interest in chemistry, and versatility as a scientist to lead the way toward solutions of globally important problems in energy research. He is currently leading his research group in innovative and exciting inorganic chemistry, including ultrafast electron transfer in chemical reactions, the developing field of molecular electronics, and globally important problems in energy research; his work is of interest to a broad cross-section of scientists in the chemistry and physics community. One of the leading authorities on the chemistry of carbon dioxide, his work on this molecule is applicable across a range of energy problems. His current research on the photochemical "splitting" of carbon dioxide to carbon monoxide and oxygen is one of the few energy conversion schemes that pro-



duces a useful chemical fuel precursor (carbon monoxide) from a greenhouse gas (carbon dioxide). Prof. Kubiak was one of the key figures in the field of chemistry who early on recognized the potential of nanotechnology. He is now both a pioneering veteran of the first days of chemical nanotechnology and a modern practitioner applying principles of nanotechnology to energy research. During his graduate student days at Rochester, he completed his doctoral studies under the direction of Richard Eisenberg. He then pursued postdoctoral research in photochemistry from 1980-1981 with Mark S. Wrighton at MIT before joining the faculty at Purdue University. He joined the faculty at the University of California at San Diego in 1998, having served as Chairman of the Department of Chemistry & Biochemistry at UCSD from 2002-2006. He has chaired prominent committees and working groups for the American Chemical Society, and has been the recipient of numerous awards and honors such as the NSF Award for Special Creativity (2008) and has been named Fellow of Japan Society for the Promotion of Science (1996 and 2007) and Alfred P. Sloan Foundation Research Fellow (1987-1991). A dedicated educator and mentor he has received many teaching awards as well.

BRUCE ROTH (POSTDOCTORAL FELLOW '82)

was named one of the "Heroes of Chemistry" by the ACS in August 2008 at the National Meeting in Philadelphia. Dr. Roth was among 25 unsung scientific heroes who were inducted into the American Chemical Society hall of fame called the Heroes of Chemistry. This recognition honors chemical innovators in industry whose work leads to the welfare of humanity in a significant way during the past decade. Bruce Roth is best known as the inventor of Lipitor, the cholesterol-lowering medication that is the world's largest selling drug. Dr. Roth first began on the path toward inventing the molecule atorvastatin that became Lipitor in 1982, when he joined the Warner-Lambert/Parke Davis Company in Ann Arbor, Michigan, as part of a project to discover drugs to inhibit the body's production of cholesterol. After synthesizing atorvastatin, he served as the lead discovery chemist who helped shepherd Lipitor through clinical trials. Warner-Lambert merged with Pfizer in 2000 and currently markets the drug; Dr. Roth worked at Pfizer for 25 years, the last seven of which as Vice President of Chemistry. In 2007, he joined Genentech in South San Francisco where he is currently Senior Director of Discovery Chemistry. Michael Varney, a vice president of Genentech who nominated Dr. Roth for the award, termed the invention of Lipitor a "monumental achievement" and says, "Lipitor is currently the largest selling pharmaceutical in the history of mankind, with annual sales of over \$13 billion worldwide. The low density lipoprotein lowering ability of Lipitor has contributed to the re-



duction of countless cardiovascular events such as heart attacks and stroke. By virtue of its clinical benefit, Lipitor has saved the lives of many people, reduced the pain and suffering of many people, and saved society and the health care system billions of dollars.”

MATTHEW SHAIR (B.S. '90) was a recipient of the 2009 Raymond and Beverly Sackler Prize in the Physical Sciences for Chemistry. The research field for the 2009 Sacker Prize was the “Total Synthesis of Biologically Active Natural Products.” This year, three young chemists shared the prestigious prize, which is administered by Tel Aviv University: Matt Shair, Phil Baran and Brian Stoltz. The Sackler Prize was shared equally among the three recipients and was awarded to them in person on May 19, 2009, during a one-day symposium honoring the distinguished laureates at Tel Aviv University in Israel. Since his Rochester days, Prof. Shair went on to receive his M.S. from Yale in 1993 and his Ph.D. from Columbia in 1995. He completed postdoctoral research at Harvard in 1997, and since that time has risen through the ranks to tenured Professor of Chemistry and Chemical Biology at Harvard University. The Sackler Prize was awarded for his “seminal contributions to the field of natural product total synthesis through the syntheses of complex natural products by the use of new cascade reactions to rapidly achieve molecular complexity.” The Shair research group focuses their efforts in two main areas: organic synthesis and chemical biology. Most projects involve syntheses of naturally occurring complex molecules that challenge the state-of-the-art of organic synthesis. Target molecules are chosen that are structurally unique and have interesting, unstudied biological properties, enabling the Shair group to explore new areas of organic chemistry, particularly with respect to reactivity and selectivity. Of particular interest is the development of cascade reactions for each of the targets, in order to achieve the most efficient and rapid syntheses possible.



Phil Baran, Brian Stoltz and Matt Shair receive Sackler Prize at Tel Aviv University

ANDREW MYERS (PH.D. '95) began a new appointment in August 2009 as director of Pittsburgh State University’s Kansas Polymer Research Center and Business and Technology Institute. In this role, Dr. Myers oversees the center and its

research staff, scientists who perform groundbreaking research converting bio-based materials into plastics and foams. He also leads the staff at the Business & Technology Institute which focuses on small business support and economic development in the region. Prior to his current appointment, he worked as a primary investigator for TDA Research, where he developed a polymer and coatings nanocomposite research program by securing more than \$2.6 million in federal funding from organizations including the NSF, the Environmental Protection Agency, and NASA. During his ten years with TDA, he patented three inventions, published and presented numerous findings in nanotechnology, and was recognized as one of the EPA’s Small Business Innovation Research “Success Stories.” While at Rochester, Dr. Myers received his master’s and doctoral degrees in chemistry under the direction of William Jones. He worked as a postdoctoral research associate at the University of Washington in Seattle, and served as a postdoctoral chemist for Union Carbide Corporation in Houston, Texas, where he devised and researched new catalysts for polypropylene.



RORY WATERMAN (B.S. '99) was the recipient of a research award by the Alfred P. Sloan Foundation in 2009, one of the nation’s most prestigious prizes for outstanding early career scientists. Since graduating from Rochester, Prof. Waterman has received his Ph.D. from the University of Chicago under the direction of Gregory L. Hillhouse (2004), conducted postdoctoral research in the laboratories of T. Don Tilley at the University of California, Berkeley as a Miller Research Fellow, and in 2006, joined the Chemistry Department at the University of Vermont as an assistant professor. “The Sloan Research Fellowships support the work of exceptional young researchers early in their academic careers, and often at pivotal stages in their work,” said Paul L. Joskow, president of the Sloan Foundation. Sloan Foundation awards are granted annually to select recipients in chemistry, physics, mathematics, computer science, economics, neuroscience, and evolutionary molecular biology. The unrestricted funds enable Sloan Fellows to pursue investigations of interest which further their research goals. Research in the Waterman Group focuses on problems in synthesis, catalysis, materials, and energy through the application of organometallic systems. These studies are directed at the discovery of new synthetic methods, the preparation of novel materials, and development of efficient or “green” syntheses through catalysis.



BRADLEY KRAFT (PH.D. '02) has received a tenure track assistant professorship in inorganic chemistry at St. John Fisher College in Rochester. In September 2009 he began teaching general chemistry there. While a graduate student at Rochester, he was a member of the Jones research group, where he worked on mechanistic investigations of carbon-fluorine bond activation by zirconium hydride complexes. Since graduation, he completed his postdoctoral research at Stanford, was married, and has worked at Ferro Corporation.



SUSAN SCHROEDER (PH.D. '02)

an assistant professor of chemistry at the University of Oklahoma since 2006, was awarded an NSF CAREER Award, a grant from the National Science Foundation which supports the independent career development of young faculty. Prof. Schroeder's research program directs its efforts toward the long-term goal of RNA

structure prediction. The Schroeder lab explores the structure of encapsidated satellite tobacco mosaic virus (STMV) RNA, the structures and energetics of prohead RNA (pRNA), and the thermodynamic stabilities of noncanonical pairs at RNA helix ends. As genome sequencing projects produce increasingly vast amounts of data, the need for tools to interpret genomic sequence information at a structural level becomes increasingly urgent. The NSF funded research will provide fundamental knowledge to better understand the structure of encapsidated viral RNA, improve predictions of RNA structure from sequence, and thus elucidate dynamic viral RNA structure-function relationships. While at Rochester, Prof. Schroeder was a member of the Turner group.

JEREMY SMITH (POSTDOCTORAL FELLOW '03) now an associate professor at New Mexico State University, was awarded a Camille Dreyfus Teacher-Scholar Award in 2009. This award recognizes his research and teaching accomplishments as an independent faculty member. Research in the Smith lab involves the design and synthesis of transition metal complexes that are aimed at providing insight into important biological and industrial transformations. The Dreyfus Teacher-Scholar Award specifically recognizes his research on "nitrogen atom transfer" by three-fold symmetric iron nitrido complexes and the description of the electronic structures of thermally stable iron(IV) complexes. At Rochester Prof. Smith pursued his postdoctoral studies in the Holland group.

XIN WEN (PH.D. '05) has been awarded a Cottrell College Science Awards Single Investigator Award for her research entitled "Effects of Hofmeister Anions on Antifreeze Protein Activity" in 2009. Xin Wen is currently an assistant professor at California State University, Los Angeles. With this young investigator award, the Research Corporation supports the promise of the proposed research, as well as its potential for develop-

ing into a long-term research program, which will attract future support from other agencies. Prof. Wen's research interests are at the chemistry-biology interface; her group aims to understand the relationships between protein structure, dynamics, and function by integrating molecular biology techniques with biophysical methods (primarily NMR and CD).

WILLIAM DRELLES (B.S. '07) is now a member of the Peace Corps and is teaching chemistry at a high school in Cameroon, Africa.

FORMER FACULTY NEWS:

In 2008 **KEIJI MOROKUMA**

was the recipient of the Imperial Prize and the Japan Academy Prize for his contributions in Theoretical Studies of Structure, Function and Reactivity of Molecules. The Imperial Prize is the highest academic award in Japan. Only one out of several Japan Academy Prize winners in all the sciences/engineering/



medicine is chosen to receive this award. The award ceremony took place on June 9, 2008 at the Japan Academy in Tokyo in the presence of the Emperor and Empress of Japan. Keiji Morokuma, joined Emory University in 1993 as the William Henry Emerson Chair of Chemistry and the director of the Cherry L. Emerson Center for Scientific Computation, where he is currently professor emeritus of theoretical chemistry. Before joining Emory, Prof. Morokuma was a faculty member at the University of Rochester from 1967-1977 and then worked for 16 years at the Institute of Molecular Science in Okazaki, Japan. The Imperial Prize was awarded in recognition of the integrated impact in chemistry of his work in understanding structure, function and reactivity of molecules by theoretical/computational approaches. Although up to nine people may receive the Japan Academy Prize each year, only two Imperial Prize awards are granted annually in the categories of humanities and natural sciences. The winners of the Imperial Prize were selected from among that year's recipients of the Japan Academy Prize, which includes a certificate, medal and prize of 1 million yen, which is the equivalent of about 10,000 dollars. Prof. Morokuma has received other honors including the International Academy of Quantum Molecular Science Award in 1978 and the Schrödinger Medal from the World Association of Theoretical Organic Chemists in 1993. He also served as president for the International Academy of Quantum Molecular Science in the early 2000's.

In December 2008, a symposium took place to celebrate the 60th birthday of **SHAUL MUKAMEL** honoring his seminal contributions to the field of ultrafast dynamics in the condensed phase and multi-pulse laser spectroscopy. Recent developments

and perspectives were presented at a two-day Symposium “Life in Liouville Space: 30 years of Theoretical Spectroscopy” at the University of California at Irvine (UCI). Prof. Mukamel, a faculty member in the Chemistry Department at the University of Rochester from 1982-2003, currently holds the position of Chancellor Professor of Chemistry at UC Irvine.



Shaul Mukamel and Distinguished Speakers at 60th Symposium

Among the symposium participants were leaders in the broad areas of Chemical Physics, Physical Chemistry, and Spectroscopy from all over the world. Noble Laureate, Rudy Marcus (Caltech), Bob Silbey (MIT), Yossi Klafter (TAU), Irvin Oppenheim (MIT), Graham Fleming (Berkeley), Sunney Xie (Harvard), Raoul Kopelman (Ann Arbor), Dwayne Miller (Toronto), also formerly on faculty at Rochester, and Paul Barbara (Austin) constitute an incomplete list of the invited speakers who were in attendance to celebrate Prof. Mukamel’s birthday and honor his scientific contributions. Participants, many of whom are UR alumni, celebrated his long and productive career. Many of his former students and postdocs serve as faculty members at the universities all over the world and staff members at National Labs, including **YIJING YAN (PH.D. ’89)** (Hong Kong), **JASPER KNOESTER (POSTDOCTORAL FELLOW ’90)** (Groningen), **VLADIMIR CHERNYAK**, Senior Scientist, UR, 1992-2000 (Wayne State), **ROGER LORING (POSTDOCTORAL FELLOW ’88)** (Cornell), **LARRY FRIED (POSTDOCTORAL FELLOW ’93)** (Livermore), **TORSTEN MEIER (POSTDOCTORAL FELLOW ’99)** (Marburg), **YOSHITAKA TANIMURA (POSTDOCTORAL FELLOW ’92)** (Kyoto), **FRANK SPANO (POSTDOCTORAL FELLOW ’90)** (Temple), **ANDREI PIRYATINSKI (POSTDOCTORAL FELLOW 2000)** and **SERGEI TRETIAK (PH.D. ’99)** (Los Alamos), among many others.

Prof. Mukamel is considered a founder of a new field of theoretical spectroscopy that addresses the goal of developing new spectroscopic techniques. Experimental Spectroscopy is an extremely precise measurement and characterization tool in a broad variety of materials ranging from biomolecules to organic and semiconductor (nano)structures. Theoretical spectroscopy,

which provides unique interpretations of the measured signals in terms of the underlying physical phenomena, extends the capabilities of experimental spectroscopy from a precise experimental technique to a powerful tool for studying ultrafast dynamical phenomena. Prof. Mukamel’s graduate level textbook “Principles of Nonlinear Optical Spectroscopy” has a wide reader audience, from graduate students to experienced researchers in the field of femtosecond spectroscopy. He is also the author of over 600 publications.

Mukamel family members also joined the Symposium: his wife Dana is Professor of Medicine at UC Irvine, and sons Eran and Ronen are graduates of Brighton High School in Rochester. Eran (B.A. Harvard, Ph.D. Stanford) is currently a Postdoc at Harvard University, and Ronen (B.S. Harvard) is a current doctoral student in Mathematics at MIT.



Sergei Tretiak (Ph.D. ’99), Andrei Piryatinski (Postdoctoral Fellow 2000), Misha Ovchinnikov, and Vladimir Chernyak

IN MEMORIAM:

KATHERINE E. FOSTER passed away in Rochester on May 29, 2009 at age 93. Kay Foster served as secretary to the Chair of Chemistry in the 70’s and 80’s. She was noted for her love of theater, having been a vaudeville dancer in her early years. She “retired” from the UR several times until, in her eighties, she retired for the last time. She is remembered by her family as having loved life, independence, travel, family and friends, and always being quick with a smile.

The Department of Chemistry also mourns the passing of:

- ☞ Jean D. Watkeys (B.S. ’32, M.D. ’36)
- ☞ Marvin L. Davis (B.S. ’37, M.S. ’39)
- ☞ C. Foster Aldridge (B.A. ’40)
- ☞ Donald R. Koerner (B.S. ’44, M.D. ’46)
- ☞ Robert Schon Holdsworth (Ph.D. ’47)
- ☞ Jack R. Kirchner (B.S. ’54)