



# Newsletter

## Arizona State University

### DR. VANDENBERG AWARDED PRIESTLEY MEDAL

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Dr. Edwin J. Vandenberg, a former visiting Professor and research scientist in the Chemistry and Biochemistry Department, is this year's recipient of the Priestley Medal, which was awarded to him by the American Chemical Society.

The Priestly Medal is the American Chemical Society's highest award. Dr. Vandenberg joins an elite assemblage of notable scientists in receiving this award, including Linus Pauling, E.J. Corey, Henry Taube, Glenn Seaborg and Melvin Calvin. Most of the Priestley Medal awardees are prior Nobel Laureates.

Dr. Vandenberg, 84, was

awarded the Priestley Medal for his discovery of the process used to form polypropylene into the rigid plastic that is used in myriad applications today. He is most noted for his independent discovery of isotactic polypropylene and the development of Ziegler-type catalysts used for its manufacture. Additionally he discovered the hydrogen chain-transfer method of controlling the molecular weight of polyolefins. This is one of the most important patents related to polyolefin productions. He also devised alkylaluminum catalysts that are used for ring-opening polymerization of epoxides and oxetanes to form polyether elastomers.



Dr. Edwin J. Vandenberg

Dr. Vandenberg was recently honored by the Chemistry and Biochemistry Department with a reception at Arizona State University near the end of April.

### DR. AUSTEN ANGELL WINS HILDEBRAND AWARD



Professor Austen Angell

The American Chemical Society announced that the Joel Henry Hildebrand Award in Theoretical and Experimental Chemistry of Liquids will go to ASU Regent's Professor Austen Angell. The Hildebrand was awarded for "pioneering experimental studies of supercooled and glassy water, and for introduction of seminal ideas of liquid fragility, liquid and vitreous

polymorphism, and non-aqueous electrolytes".

ACS will present the 2004 Hildebrand Award to Dr. Angell in March 2004 at the spring meeting in Anaheim, CA.

Dr. Angell's work focuses on the behavior of liquids that freeze when cooled very slowly. When these liquids turn into their glassy states, a change in

properties called the "glass transition" occurs. There are myriad uses for these glasses, for instance, sugar glasses are now being used to preserve drugs.

Dr. Angell also studies the behavior of a wide range of other liquids, like molten salts, liquid metals and electrolytes. His work in this area has led to several patents re-

## SPOTLIGHT ON NEW FACULTY

## PETRA FROMME



Professor Petra Fromme

Petra Fromme, Professor of Chemistry and Biochemistry, received her masters degree in Biochemistry from the Free University Berlin, Germany, her Ph. D. in Chemistry and her Habilitation in Physical Chemistry from the Technical University Berlin, Germany. She spent 10 years at the Technical University Berlin as an Assistant and Associate Professor before joining the ASU faculty in the Fall of 2002 as a Professor.

The main topic of research in her group focuses on the structural biochemistry and biophysics of membrane proteins.

Membrane proteins perform the most important processes in all living cells: respiration, photosynthesis, cell communication and import and export processes. The proteins do not act on their own; instead they perform communication within the cells by the binding and releasing of cofactors and soluble signal transducing proteins.

Her research is very interdisciplinary and includes biochemical investigations, molecular biology, spectroscopy, structural investigations by X-ray structure analysis as well as theoretical investigations.

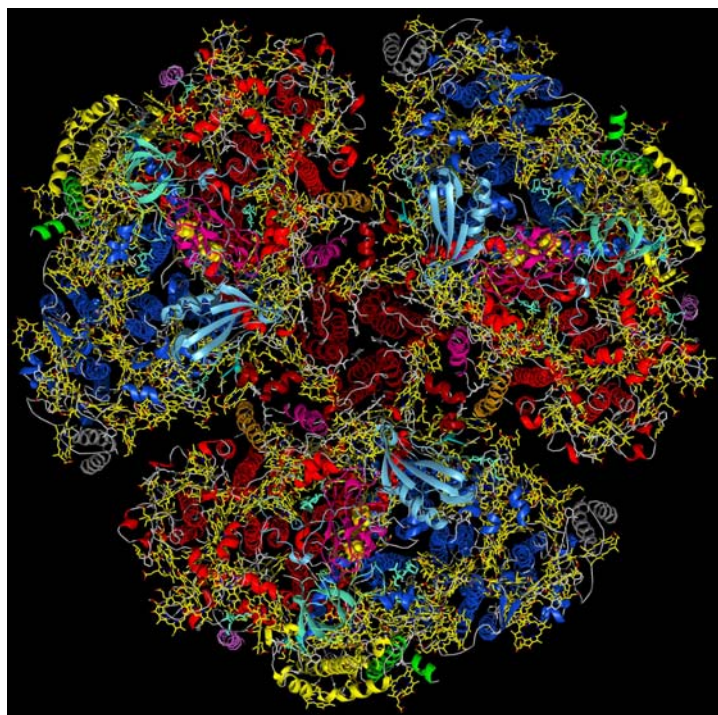
Her group seeks deeper understanding of the physical chemical processes that occur during membrane protein crystallization and because these processes are strongly influenced by gravity on earth, crystallization under microgravity in the space shuttle and on the International Space Sta-

tion is a major research topic.

Her main field of interest is the structure and function of the large membrane protein complexes involved in the primary processes of photosynthesis, Photosystems I, II and the ATP-Synthase.

Photosynthesis converts the light energy from the sun into chemical energy. Two photosystems, acting in series, catalyze the first step of the energy conversion, the light induced charge separation. The structure of Photosystem I has been recently determined by her group and forms the basis for further investigations of the function of this complex bio-solar system.

Photosystem II catalyses the light-driven electron transfers from water to the soluble electron carrier plastoquinone. This membrane protein complex produces all the oxygen in the atmosphere. Recently, her lab was able to crystallize Photosystem II. Unraveling the secrets of water oxidation is one of the topics of ongoing research in her group.



Photosystem I

## GIOVANNA GHIRLANDA

Giovanna Ghirlanda joined the department in August 2002. She received her MS in Pharmaceutical Chemistry (1991) and her PhD in Organic Chemistry (1996) from the University of Padova, Italy, with a thesis on supramolecular chemistry and catalysis. She joined Prof. William F. DeGrado's group at the University of Pennsylvania in

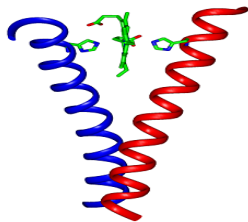
1996, as a postdoctoral associate and later as research assistant professor, where she developed several peptide models of complex natural proteins. These models can provide useful information on the properties of native proteins, and also could serve as a miniaturized version of the native protein.

Her research here at ASU focuses on the design of artificial model proteins that can perform a desired function, either in the catalysis of selected organic reactions or as binding partners for biologically active proteins. One main area of research deals with the development of novel enzymes that could catalyze specific non-biological trans-

## Giovanna Ghirlanda... continued

formations, such as stable, membrane soluble proteins that utilize a metal cofactor, hemin, as active site. A prototype recently prepared in the lab can catalyze the oxidation of several organic substrates; current efforts are directed to the creation of a library of mutants in order to optimize the catalytic activity. Possible applications of these model proteins are in environmental bioremediation and in the synthesis of fine chemicals. Methods utilized include computational modeling, solid phase synthesis, molecular biology techniques and enzymatic screening.

In a parallel effort, the group is using the same approach to design minimalist

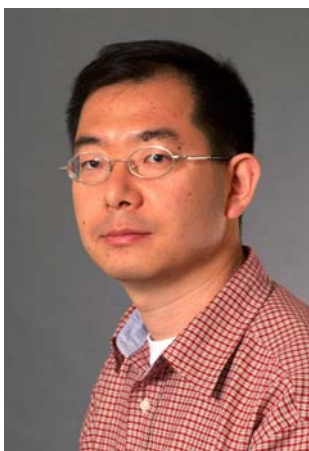


models of proteins involved in complex biological processes such as inflammation and apoptosis. Using computer visualization software, the active site of complex proteins is identified and grafted on smaller, stable scaffolds that can be prepared and tested for activity in the biological system. The experimental screening provides information used to improve the initial de-



Giovanna Ghirlanda

sign. The ultimate goal in this project is to utilize the miniaturized proteins as pharmaceuticals in the treatment of chronic inflammation.



Don Seo



Photoluminescence of ~2nm CdSe nanoparticles

Don Seo joined the department in August, 2001. He obtained his PhD at North Carolina State University in inorganic chemistry, working with Prof. Mike H. Whangbo on theoretical understanding of physical and chemical properties of solid-state materials based on their chemical and electronic structures. He continued his theoretical work in his first post-doctoral period with Prof. Roald Hoffmann at Cornell University until he started his experimental work with Prof. John D. Corbett in Ames Laboratory in Iowa, fpolar intermetallics. He recently received an NSF CAREER Award from the National Science Foundation.

At ASU, Don is interested in various areas of inorganic solid-state/materials chemistry, with emphases both on the development of new methodologies for functional materials and on the theory-assisted

## DON SEO

design and synthesis of new functional magnetic materials. His research group recently discovered new boron chalcogenide chemistry that allows large-scale syntheses of nanostructured metal chalcogenides that are technologically important, but are short in supply. His group also discovered a new preparative route for semi-conducting quantum dots that operates at temperatures much lower than the typical reaction temperatures in previously known methods. Quantum dots are a new class of material that have been playing a leading role in nanoscience and nanotechnology, and the newly-developed low-temperature method is expected to provide synthetic chemists more freedom in functionalizing the quantum

dots for optical and biological applications.

Another research area that Don's group focuses on is magnetic metals, which are a mystery to most chemists. His group attempts to understand the complicated magnetic interactions in the metals through the synthesis and characterization of half-metals, dilute magnetic metals/semiconductors, GMR (giant magnetoresistance) materials, and cluster-embedded magnetic intermetallics. Understanding and control of the cooperative magnetic interactions in metals will eventually provide magnetic materials that can be used as ingredients in fabricating new-generation electronic devices based on spin-controlled electronics.

## DR. DON SEO RECEIVES NSF CAREER AWARD

Dr. Seo was one of six Arizona State University researchers that received recognition from the National Science Foundation with one of their 2003 Faculty Early Career Development Program (CAREER) Award.

The awards are annually given to young faculty members, within the first five years of taking a tenure-track position, who are consid-

ered most likely to become the academic leaders of the 21st Century. This recognition by the NSF goes to young members that have the potential of becoming the future leaders of their chosen field.

All of the grants include a basic research program for four or five years as well as an educational component designed to apply the knowledge to a classroom or educational setting.

## WHAT DOES THE GRADUATE STUDENT COUNCIL DO ANYWAY? - TINA BATTAGLIA, PRESIDENT

It has been hectic since taking over as the president of the Chemistry Graduate Student Council (CGSC). It seems for the most part that no one in the department knows what the CGSC is, what they do or have done in the past, or even who the members are.

The CGSC was started in the spring of 2001 with the goals of improving the graduate student experience and promoting interactions between faculty and students. All graduate students in the Chemistry & Biochemistry department are members of the council. Unfortunately, still only a small percentage of the ~90 graduate students are active. Hopefully this number will grow as the council plans more activities.

The executive members elected to the council are as follows: Tina Battaglia; president, Soame Banerji; vice president, Jeff Cramer; treasurer, Melissa Tomalka; counselor and the first year representative is Jennifer Napper.

So far, the CGSC has helped organized BBQ socials at Papago Park, which have

been enjoyed by students, faculty and staff. Also, the council helped plan recruitment weekend activities along with an orientation for the new graduate students including tours, assigning mentors, social evenings and questions and answer sessions.

The CGSC was started in the spring of 2001 with the goal of improving the graduate student experience and promoting interactions between faculty and students.

The first fundraiser this year was the lab coat sales. I would like to thank those of you who helped to make this a success; we made twice as much as the sale last year! The lab coat sales did not produce enough money to host the numerous events we have discussed, but

the CGSC is already planning more fundraising events.

This year has been most productive so far, one of our projects is recycling and the council has started organizing better recycling within the department. Three new recycling containers have been placed in the building and a list of locations for all the receptacles has been distributed throughout the department. The CGSC is also in the process of adopting and policing a mall on campus for refuse.

It is our hope that the CGSC will invite a guest speaker for Departmental seminars once a semester. We also plan to hold more social events to maintain the camaraderie between students and faculty within the department. Establishing an alumnus contribution program may help with future funding.

Hopefully the efforts of the past few years will continue to have a positive effect on the department and the graduate students for years to come.

## DOCTOR OF PHILOSOPHY 2003

**Collin R. Anderson**, *Part I: Combretastatin A-2 Modifications*

*Part II Dolastatin 16 Synthetic Approaches*, George R. Pettit, Spring 2003

**Matthew R. Bauer**, *High Quality Germanium Tin Films on Silicon for Infrared Sensors and Buffers*, John Kouvetakis, Spring 2003

**Brett Michael Barney**, *Characterization of Metalloenzymes from Nitrosomonas europaea and Bacillus subtilis*, Wilson A. Francisco, Summer 2003

**Ira McCoy Bennett**, *Active Calcium Transport Across an Artificial Photosynthetic Membrane*, Ana L. Moore, Summer 2003

**Darcy Gentleman**, *Application of Surface Plasmon Resonance Fibre Optic Dip Process to Determine Salinity*, Karl S. Booksh, Spring 2003

**Jonathan Andrew Jackson**, *Conformational Heterogeneity and Energy Transfer in Photoactive Proteins*, Neal W.T. Woodbury, Summer 2003

**Robert Ingvar Mangham**, *The High Temperature Phase Chemistry and Thermochemistry of the PbO-MgO-Nb<sub>2</sub>O<sub>5</sub>-TiO<sub>2</sub> System*, William T. Petuskey, Spring 2003

**Dana Perry**, *Analysis of Atmospheric Particles on Filters and Mesquite Leaves in El Paso and Phoenix*, Peter R. Buseck and James R. Anderson, Spring 2003

**Matthew Rosenow**, *Characterization of Factors That Influence the Crystallization of Integral Membrane Proteins*, James P. Allen, Summer 2003

**Elizabeth R. Sanchez**, *Magnesium (II) Ion Interaction with Biological Ligands*, M. Tyler Caudle, Spring 2003

**Rachel Morgan Theall**, *The Effectiveness of Computer-Generated 3D Animations in Inquiry Chemistry Laboratory*, James P. Birk, Spring 2003

## MASTER OF SCIENCE 2003

**Tina Marie Battaglia**, Chemistry, Spring 2003

**Jean-Philippe Belieres**, Chemistry, Spring 2003

**Gideon Barak Eckhouse**, Chemistry, Summer 2003

**Katherine Marie Foland**, Chemistry, Spring 2003

## BACHELORS OF ARTS AND SCIENCE 2003

**Dawn Marie Andraschko**, BA, Chemistry, Spring 2003

**Laura Marie Bafaro**, BS, Chemistry, Honors Thesis, Spring 2003

**Russell Gerald Burge**, BS, Biochemistry, Honors Thesis, Spring 2003

**Paul Andrew Colvin**, BS, Chemistry, Spring 2003

**Vuna Soakai Fa Jr.**, BS, Biochemistry, Spring 2003

**Jennifer Furman**, BS, Chemistry, Spring 2003

**Abigail M. Hendrickson**, BS, Chemistry, Spring 2003

**Kanya Khvan**, BA, Chemistry, Spring 2003

**Kevin B. Knight**, BS, Biochemistry, Spring 2003

**Joshua J. Lane**, BS, Biochemistry, Spring 2003

**David Nicholas LeBard**, BS, Biochemistry, Spring 2003

**Nicole A. Mabante**, BS, Biochemistry, Spring 2003

**Tiffany Lee Mason-Lopez**, BS, Biochemistry, Summer 2003

**Rachelle Ranee Miles**, BS, Chemistry, Spring 2003

**Terry Kiyoshi Schiefer**, BS, Biochemistry, Spring 2003

**Dennis Michael Schmidt**, BA, Chemistry, Spring 2003

**Jessica Dukjung Stilwell**, BS, Chemistry, Spring 2003

**Saylee Anand Tupule**, BS, Biochemistry, Spring 2003

## A DAY IN THE LIFE OF A FIRST YEAR GRAD STUDENT/ TEACHING ASSISTANT - JENNIFER NAPPER

Being a first year graduate student at ASU is a very different experience. Graduate school is so unlike undergrad that it is scary.

For me, making the decision to go to grad school and to move 2,000 miles away from home was the biggest and at the same time, the greatest experience in my life.

The hardest thing about being a first year grad is all the decisions we must make and the busy work we have to do. First, there are classes. The classes are not terrible, unless you really despise the subject—it is the extra work that goes into them that makes them horrendous. Time is already a major factor in graduate school and classes are a big part of that because we are trying to learn as much as we can about the area we want to specialize in. We really do not have a choice in the matter, we have to pass the classes in order to stay in graduate school.

Then there is teaching. For me, teaching is great because I was lucky to get wonderful students. Teaching takes up most of the time for first years because we under-

stand what the students are going through and go out of our way to help them out as much as possible. Also, the grading, quiz writing, preparing for the lab, and attending lecture takes an enormous chunk out of the already limited time that we have. I really do not think that the students understand how much we sacrifice for them. Extra office hours, review sessions—you name it, we do it.

**The other graduate students are fantastic as well. They are supportive and they really do help you out as much as they can. Also, they do not look down on first years...**

“Cumes” are the next big thing. Not being able to drop everything and study for the exams is the most difficult thing about them (besides not knowing what is going to be asked). Trying to balance teaching and our regular classes in addition to studying for these tests is really tricky. To sum up,

cume week is the worst week of our lives! And it happens every month, so that when we finally catch up from everything we put on hold, our week of hell comes along again.

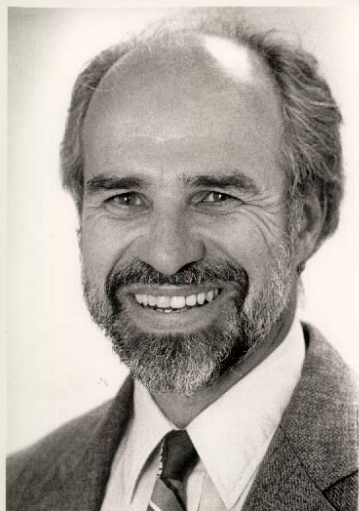
One of the greatest challenges of being a first year is not necessarily deciding what kind of research you may be interested in or even everything else the first years have to do. It is choosing an advisor. This is the biggest decision because it determines what the next four years of your life are going to be like.

ASU, being one of the top research schools in the nation, is a great place to be with this sort of decision facing you. This university is a wonderful and exciting place to be and the faculty at ASU are superb. They really take the time out to listen to what you have to say and mainly, they just make you feel like you belong.

All in all, my graduate experience at ASU has been an interesting one (I must be a glutton for punishment) and whenever it starts to get me down I think of the prize at the end, a doctorate in chemistry. ASU is a great place to be, and I am looking forward to my next few years here.

## EMERITUS FACULTY

### BILL GLAUNSINGER



**Professor Bill Glaunsinger**  
lglaunsinger@yahoo.com

Bill Glaunsinger joined the Arizona State University Chemistry Department after completing his doctoral research at Cornell University. He has worked actively in the fields of materials chemistry, environmental chemistry, chemical sensor technology, chemical education and distance learning. He has chaired the Department, supervised several research facilities, directed industry-university cooperative programs and founded a high-technology corporation. He has also developed 7 undergraduate and 4 graduate

courses and has mentored 5 research specialists, 11 post-doctoral, 17 doctoral, 2 masters and 55 undergraduate students.

Since retirement, Bill has been committed to advancing chemical education and science fairs. In collaboration with his wife, Lorna, he has taught a course on Energy and the Environment to high school teachers nationwide and has recently become involved in remodeling the high school chemistry curriculum. Bill will also serve as Judging Chair for the International Science and Engineering Fair

to be held in Phoenix in May, 2005. In 2003, he was the recipient of the International Scientist of the Year Award for outstanding scientific contributions to the field of solid state science (this is one of 2,000 career achievement awards to be given in the 21st century by the International Biographical Center of Cambridge, England). In his spare time, Bill enjoys woodworking, biking and hiking at his mountain retreat at Bonita Creek, about 20 miles northeast of Payson, Arizona. His current e-mail address is lglaunsinger@yahoo.com.

### CARLETON MOORE

Carleton Moore retired just recently, in January 2003, and is still working part-time in the Center for Meteorite Studies.

Carleton joined the Chemistry Department in 1961. During his tenure with ASU he has held a continuous appointment as Director of the Meteorite Center where he can still be found most days.

Carleton has garnered many awards and honors over the years with the Department. He was honored as a Regents' Professor in the first group selected in this department (together with LeRoy Eyring and Sheng Lin), and

was selected to analyze the lunar samples from the Apollo missions. His contribution to this program and the energy he infused into the building of the largest mete-

**Carleton has garnered many awards and honors over the years with the Department.**

orite collection assembled in a college earned a very special award for him, the asteroid 5046 was renamed carletonmoore in his honor.

Carleton and his Meteorite

Center team, Joan Wrona and Chuck Lewis, were instrumental in guiding 40 students to graduate degrees.

At Carleton's retirement ceremony, Everett Gibson, a former student who graduated in 1969, presented him with an award from NASA which included the Arizona flag that had been taken to the moon on Apollo 16 Mission.

Carleton would enjoy hearing from former students/associates and can be contacted via email at CMoore@asu.edu.



**Dr. Carleton Moore**  
Cmoore@asu.edu

## WHAT HAVE YOU BEEN UP TO?

We asked for news from our alumni members and have been very pleased to have received information from a few of you. We invite everyone to write or email and share with us what you have been up to.

John A. Durden, BS 1950, retired in 1993 from Industrial Research and Research Management in North Carolina.

John A Lenzing, BA 1962, retired in Arizona in 1998 after 45 years in semiconductors.

Mary Lynn Vickers, BA 1965, has re-

cently become a personal chef in New York after a 25 year career with Kodak as an industrial engineer and statistician.

Dick Blazer, BS 1967, is actively retired and living in Arizona after a varied chemistry-oriented career that included winemaking.

Durrell Duce, MS 1969, PhD 1976, is a Faculty Member at Mesa Community College here in the valley.

George Caughey, BS 1975, is a Full Professor at the U of CA, San Francisco's School of Medicine and was awarded the Julius and

Lillian Nadel Research Endowment.

Eric Volcheff, BS 1975, is Executive Vice President for the Mayline Group in Wisconsin.

Fred Keen, BS 1981, is in his 15th year at Clarion in Pennsylvania and just became Department Head.

Robert Pridmore, BS 1983, is tutoring and working with students at Phoenix College.

Joe Springer, PhD 2002, has been teaching at Glendale Community College and at ASU.

## A WORD FROM THE CHAIR - ROBERT BLANKENSHIP

We are proud to present the newest installment of the ASU Department of Chemistry and Biochemistry departmental newsletter. The lead stories are about our two national ACS award winners, Dr. Edwin Vandenberg, who won the 2003 Priestley Medal, the ACS's highest award and Dr. Austen Angell, who has just been announced as the winner of the 2004 Hildebrand Award for Theoretical and Experimental Chemistry of Liquids. Our deepest congratulations to both for receiving these well-deserved honors.

This has been a busy and exciting year for ASU, especially in the sciences. The first phase of the new AZBiodesign Institute is under construction on the corner of McAllister and Terrace, with three more buildings on the drawing board. Together these buildings will provide more than 800,000 square feet of new research space, some of which will be occupied by departmental researchers. Additionally, two other buildings that are being planned will have space occupied by departmental faculty and facilities. We plan to relocate the X-ray facilities and the NMR facility, to form a new Structural Chemistry Center. Some space will be for faculty members who have joint appointments between Chemistry and Biochemistry and the new School of Life Sci-

ences. We are searching for our first joint faculty member with SOLS, hopefully the first of several in the next few years.

We welcome three new faculty members to the department this year. Hilairy Hartnett is

**"We are ranked 17th nationally in total research expenditures..."**

an Assistant Professor with research interests in biogeochemistry. She has a joint appointment with Geological Sciences. We have two faculty members with joint appointments with Physics and Astronomy, Stuart Lindsay and Michael Thorpe, whose interests are in biophysics. We are now searching for several new faculty members with research areas of surface and interfacial chemistry, combinatorial chemistry, inorganic/solid state chemistry, environmental chemistry and biochemistry.

This year we have initiated two new undergraduate concentrations and one new degree. The concentrations are in Environmental Chemistry and Medicinal Chemistry and the new degree is a BA in Biochemistry, to go with the BS in Biochemistry begun five years

ago. The number of undergraduate majors enrolled in our degree programs has nearly doubled in the past few years and now stands at nearly 400. Slightly more than half of these are enrolled in the BS in Biochemistry, with the balance enrolled in the BA and BS in Chemistry degrees. This rapid increase in the number of majors is a welcome challenge that we are working to accommodate.

I have saved the best news for last. The National Science Foundation has published its annual ranking of research funding in Chemistry. We are ranked 17th nationally in total research expenditures, breaking into the top twenty departments nationally for the first time. Congratulations to all the departmental members, faculty, staff and students, who have worked so hard to make this best-ever ranking possible. The top twenty chemistry departments in the US are a distinguished group and we are extremely happy to be included.

Please take a few minutes to tell us what you have been up to in the years since you graduated from ASU. As always, we also welcome your financial contributions, which help us to carry out a number of important departmental activities that we can't do with our limited state funds.

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WE'RE ON THE WEB!  
CHEMISTRY @ASU.EDU

## 2003 CHEMISTRY & BIOCHEMISTRY ANNUAL AWARDS

**Bateman Scholarship**.....Sogol Taghavi  
**CRC Freshmen Chemistry Achievement Award**.....Andrew Nowack  
**SAACS Society Organic Achievement Award**.....Marc Warhola  
**Alpha Chi Sigma Merit Award**.....Shervin Sharhriari  
**ACS Analytical Chemistry Award**.....Albert Hong  
**Therald Moeller Award**.....Philip Root  
**Merit Award**.....James Jerman  
**Merck Index Award**.....Megan Thielges  
**Alumni Award**..... Laura Barfaro  
**Eyring Award**.....Terry Schiefer  
**Biochemistry Award**.....Charles Olea  
**Hypercube Award**.....David Lebard  
**Arizona Power Authority Scholarship**.....Spencer Anderson  
**Dean's Circle Scholarship**.....Thuy Nguyen

**John Kacoyannakis (KOKO) Award**.....Brandon Canfield  
**Academic/Service Professional Outstanding Achievement Award for the Year 2003**.....Michael Wheeler

### Outstanding Graduate Research Assistant Award

Zivile Katilene  
Anatoli Milischuk  
Wilton Virgo

### Distinguished Teaching Assistant Award

Samuel Mortensen	Nicholas Straessler
Trent Northern	Uma Swamy
Gideon Richards	Nicole Zwick

### Certificate in Recognition for Excellence as a Teaching Assistant

Ira Bennett	Chad McAllister
David Erickson	Jason Raymond
Arman Ghodousi	Philip Root
Angeline Heil	Terry Schiefer
Lindsay Wiezcorek	

## WE WOULD LIKE TO HEAR FROM YOU

The Department would like to hear from you and find out about your activities and accomplishments since leaving ASU. We have included some of the information we heard from some of you after the last edition went out and would like hear from more of you and include some of your comments in one of our future newsletters.

Please send your comments to our editor, Dr. Ted Brown, Department of Chemistry and Biochemistry, P.O. Box 871604, Arizona State University, Tempe, AZ 85287-1604 or email them to [Ted.Brown@asu.edu](mailto:Ted.Brown@asu.edu), or use the attached envelope inside.

## NEWEST ARRIVALS IN THE DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY

There has been a baby boom in the department, the stork has been frequent in its visits this last year. Several of the new parents were in attendance at the Fall Kickoff picnic with their newest family members. We are pleased to share this photo with you of the newest additions to our world of chemistry and biochemistry.

From left to right: James Obenour, Graduate Coordinator and daughter, Kayma, Prof. Ty Caudle and son, Ethan, Carole Flores, Research Tech., her husband, Tony, and son, Alexander, Michael Lince, Research Spec. Sr., his son, James, and Evaldas Katilius, Faculty Research Assoc., and his son, David. Welcome to the future class of 2021!

