

# Pitt Chemistry Reactions

ISSUE 4 SUMMER 2000

## A Letter From the Chair of Chemistry

It has been nearly four years since the last issue of the *Pitt Chem Reactions*. Our long absence from your mailbox reflects just how busy we have been with our teaching, research, and other educational activities. In the future, we hope to visit you on a more regular basis.

Much has changed since we last wrote. Andrew Hamilton, the former occupant of this office, left in 1997 to take on new challenges at Yale University. It is hard to believe that I am finishing my third year in the Chair's office. The challenges are many, but so are the rewards. More importantly, I am blessed to be able to work with a wonderful group of faculty, staff, and students. Their help keeps me afloat when the waters are rising, and their dedication, resourcefulness, and creative strategies provide the power needed to keep our Department moving forward.

I'm happy to report that although your issues of *Pitt Chem Reactions* stopped coming, good news has continued to arrive at our Department. Although we have lost the contributions of the late Paul Dowd, Andrew Hamilton, and Michael Hopkins (who moved to the University of Chicago in 1999), and our faculty roster must be replenished, our external funding has shown a steady recovery over the past two years. Expenditures billed to external research grants totaled \$4.5 million in fiscal year 1997, \$5.1 million in fiscal year 1998, and \$5.7 million in fiscal year 1999. We expect the number to reach more than \$8.0 million in fiscal year 2000 due to some notable successes in program projects and instrument acquisition. Even without these special events, we would exceed \$6.5 million—an increase of nearly 50% in just four years.

This issue will touch on a number of new activities relevant to teaching and research:

**Undergraduate Program.** This year our ACS Student Affiliates group was recognized by the national ACS



Professor Wilcox

for the 1998-1999 academic year. This is the tenth consecutive year that our students have received this prestigious acknowledgment of the essential role they play in our department and our University. Through their outreach efforts, tutoring and social functions, the ACS-SA continues to be an integral part of our department.

Technological advances are also playing a major role in undergraduate instruction. Many courses are now using Pitt's web-

based learning tool—CourseInfo. With external funding from the NSF and the Department of Education a variety of innovative projects are underway including the Virtual Mass Spectrometry Laboratory. We have also begun a virtual tutoring program in organic chemistry that uses drawing tablets to allow for real-time off site tutoring lead by advanced undergraduate and graduate students.

Group learning and student led instruction have also become an important part of undergraduate education in our department. The Undergraduates Teaching Undergraduates (UTU) program has allowed more than 50 undergraduates to teach within our general and organic chemistry laboratory programs this past spring term. The Supplemental Instruction Program and student led recitations in our general, organic and nursing chemistry classes also keep our undergraduates busy sharing their knowledge of and excitement about chemistry with their peers.

Our undergraduate facilities also continue to improve. The physical chemistry, analytical chemistry and new inorganic chemistry teaching labs have moved across the street to newly renovated state-of-the-art space in Thaw Hall. Also, the ever popular Fishbowl has been renovated to be a more student friendly space for tutoring and sharing information with our students.

Among a number of new programs, Chemistry is involved in a new two-term integrated science course for non-science majors being developed by Professors

(continued inside)

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Card (Neuroscience),  
Koehler (Physics), and  
Pratt (Chemistry), with

supplement NSF-MRI funds to allow the purchase of a 600 MHz LC-NMR this summer. This is to be the first such NMR in an academic

The CCC and the CMMS provide two important focal points to support central activities in chemical research and education - synthesis and



financial support from the Hewlett Foundation. The course emphasizes the general principles that are common to all of the sciences and their application to real-world situations rather than esoteric detail. The goal is to produce students who understand the universal laws that govern the behavior of all things, and thus to provide them with the tools they need to read and appreciate popular accounts of future discoveries in science, as well as advances in medicine, information technology, and new materials.

Finally, recognition of our outstanding students continues. In addition to our current awards such as the Theodore, Messer and Valspar, two new scholarships have been created thanks to generous donations of our alumni. A former B.S. graduate, David A. Rossi, has provided support for a \$1,000 tuition scholarship for junior chemistry majors in honor of his parents, Rita R. and David A. Rossi, which is in its third year. A former doctoral recipient, Richard F. Zarilla, has provided an endowment for awards to provide books, travel expenses and other educational needs for students who demonstrate academic excellence in Chemistry and involvement in our undergraduate program: the first two awards were made in May as we recognized 21 of our outstanding undergraduates.

**The Combinatorial Chemistry Center (CCC)**, founded in 1998 with Professor Peter Wipf as its Director, was among the first such academic centers in North America. In the first two years, the Center has attracted substantial external funding: \$192,000 from Hewlett-Packard (HP) as a corporate equipment grant; \$100,000 from Merck (two years support for Dennis Curran and Peter Wipf); \$5.0 million from the National Institutes of Health (with 3 additional PIs; the Chemistry Department's share of this is \$1.8 million over five years); \$25,000 from Argonaut (equipment); an additional \$40,000 from HP (equipment gift); \$50,000 from Parke-Davis; and \$420,000 from the National Science Foundation.

The University, in partnership with the College of Health Sciences, has invested approximately \$700,000 in renovation and continuing support for the Center. In addition, the University will

lab anywhere in the U.S.

We have substantial specialized equipment, including LC-MS, 2 Quest 210, an Irtori system, a Gilson serial HPLC, and an HP robotic prep station on the 9<sup>th</sup> floor. In the approximately 21 months since we moved into the facilities, at least 25 students have worked in the CCC labs (actual simultaneous capacity is only 6). The Department has recently committed an additional 900 sq. ft. to the Center. This space will allow more scientists to be stationed in the Center and will provide a suitable home for the new 600 MHz LC-NMR. Visiting scientists have included a chemist from Hoffmann-LaRoche (fully supported by Roche), who spent a six-month sabbatical in the CCC. We are happy to hear from others who might want to participate in the use of these modern facilities for chemical discovery.

**The Center for Molecular and Materials Simulations (CMMS)** was founded in February, 1999, and is a wonderful addition to our theoretical chemistry facilities. The effort to create this lab was headed by Professor Ken Jordan, who is serving as the first Director of the facility. Ken was joined by David Beratan and Rob Coalson, and two professors from Chemical Engineering, Karl Johnson and Anna Balazs. The core of this state-of-the-art center is a 50 processor IBM RS6000 power3 computer cluster with a total commercial value of approximately \$1.0 million. Thirty-two of the processors are connected via a gigabit Ethernet switch, providing an excellent environment to support frontier studies in parallel processing approaches to advanced simulation of the behavior of polymers, colloids, proteins, and semiconductors. Equipment purchases for the CMMS were supported by the National Science Foundation and by a gift from IBM. The Center is a joint venture of the Department of Chemistry and the Department of Chemical Engineering, and is further supported through funds provided by the Dean of the College of Arts and Sciences and the Dean of the School of Engineering. The CMMS was christened as the Center for Molecular and Materials Simulations in January, 2000. I want to thank Chemical Engineering Chair Alan Russell for working with me to create this new facility.

computational modeling. An important third step in the development of our research infrastructure has been made possible by a \$500,000 gift from PPG. The **PPG Advanced Materials Characterization Laboratory** occupies a newly renovated laboratory on the 3rd floor of Chevron. This Department facility is the new home for our Xray diffraction lab and we have recently acquired an atomic force microscope and a fluorescence spectrometer for this area. In the future we hope to add a modern charge-coupled-device (CCD) Xray diffractometer and additional materials characterization equipment. The gift from PPG also made possible a new laser spectroscopy laboratory on the 3rd floor and Sandy Asher will have moved his lasers there in June, 2000.

The Department of Chemistry has had a longstanding and valued relationship with the Bayer Corporation. The Bayer Lecture has been part of our annual program of distinguished lectures for more than 20 years, the Bayer Graduate Fellowship Program has provided support for our very best students, and the Corporation has supported the Bayer Professor of Chemistry since 1991. We were delighted when the Bayer Foundation committed this year to endow the Bayer Chair in Chemistry as a leadership gift in the Campaign for the University of Pittsburgh. Dennis Curran, the Bayer Professor of Chemistry, joins the Department in thanking the Bayer Foundation and our colleagues at Bayer Corporation for this wonderful gift and for their confidence in our program.

In May 1999, we reconvened our **Industrial Visiting Committee**. Our Department was one of the first in the nation to have such a group, but the Committee had become dormant and had not met since the late 1980s. Our newly reconvened advisory group is composed of local leaders in R&D and their mission will be several-fold.

- To help the Department to formulate appropriate objectives and to inform the Department of important current trends in chemical science or employment and research opportunities in chemistry and associated fields.

- To provide an independent assessment of the activities of the Department and to offer constructive advice and recommendations for improvement or redirection of Department efforts.
- To play an active role in assisting the Department in obtaining internal and external support which is necessary to achieve the Department's objectives.
- To act as an advocate for the Department

In the Summer of 1997 the Department heard more wonderful news. Several years before, the family of Robert E. Eberly offered the University and the Commonwealth of Pennsylvania a great challenge. They made a gift of \$2.0 million to be used for the renovation of **Alumni Hall**. Alumni Hall was the home of this Department for many years. In recent years, this building has been shared between the Computer Science Department and the Chemistry Department. The first floor of this building is dedicated to

first floor laboratories, and redesign and renovation of the library. We are all glad to know that central air-conditioning will be installed!

In May, 1998, we held a dedication ceremony for the new building. The building has been renamed **Eberly Hall**, in appropriate recognition of the Eberly family and the Eberly Foundation. I was delighted to meet the Eberly family and to learn of their thoughtful approach to supporting higher education. This was a time to reflect on

in communication with University administrative officers, legislators, and current or potential industrial partners.

I am very pleased that Dr. Costas Karakatsanis, Director of Materials Characterization at Bayer Corporation, agreed to serve as the inaugural Chairman of this group. I will be working with Dr. Karakatsanis and with representatives from Aristech, Alcoa, Bayer, PPG, ABB Extrel, Pressure Chemical Company, Air Products and Chemicals, Waters Corporation, Valspar, Althexis, Pharmacia-Upjohn, Merck, and other nationally prominent companies to learn how this Department can better serve our students and our R&D leaders. This group will help me to define new objectives and to identify new partners to support our plans for growth.

Our central building has housed most of the Chemistry Department for nearly 25 years. This building, the **Chevron Science Center**, was beautifully designed, and we all thank those past leaders who were involved in guiding the construction of this building. Host many visitors each year, and it is a pleasure to hear how often they comment favorably on the modernity and high quality of our facilities. This success is only possible through the continued support of the University and especially the Dean of the Faculty and College of Arts and Sciences. Our administration continues to support this Department with generous funds for renovation and modernization of our teaching and research space. We wish to carry out substantial renovations of all areas of the building involved in chemical synthesis. This is a field of continuing importance and investment in this area is well justified. Funds to support these renovations will be supplemented through contributions from the University and the Dean, but external support is needed and please do all you can to help us.

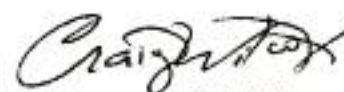
most of the building is dedicated to chemistry and surface science. Professor John Yates, Richard K. Mellon Professor, Director of the Surface Science Center and member of the National Academy of Sciences, together with Assistant Professor Eric Borguet, pursue wonderful research on surface science, industrial catalysis, corrosion, and nanotechnology in this area. On half of the second floor of this three-story building are housed the Chemistry Library and the Computer Science Library; the balance of the second floor and the entire third floor are currently occupied.

Each floor of this building encompasses about 11,000 sq. ft., and it is only about 100 feet away from Chevron. It had long been promised that we might reclaim this space for chemical science, but without the necessary funds for renovation, how could this be done? Now we see the path. The Commonwealth of Pennsylvania has agreed to match a gift from the Eberly family and foundation two-to-one. With \$4.0 million from the State, and \$2.0 million from the Eberly Foundation, we will have \$6.0 million for the necessary renovations. Before this new effort began, the University had provided \$500,000 for replacement of the roof, and therefore we anticipate that we will have all necessary space and funds (\$6.5 million) required for substantial growth.

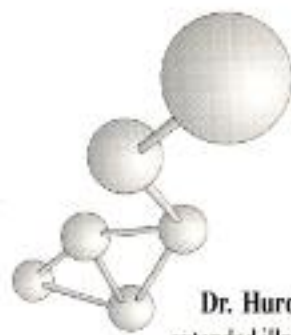
We were happy to see this Spring that ground was broken for the new home for Computer Science, the Multi-Purpose Academic Center (MPAC), which will likely be finished by Spring, 2002. Because there is a mismatch in timing between the availability of the Eberly funds for renovation and the availability of a new home for Computer Science, our renovations and move will be conducted in two phases. Phase I began last Fall 1999, and will include complete replacement of the building heating, ventilation, and air-conditioning system, renovation of the

how much the University has done for our Department. The support we receive from the University is given because we (students, staff, and faculty) have done our job well. We care about students – we train undergraduates and graduate students in science that is admired all over the world – and we attract outside funding to supplement the seed money provided by our administrators. The University leaders recognize this success and are providing us with resources to keep up the good work.

The above events demonstrate that our Department has continued to advance and is positioned to compete effectively with the best departments around the world. I am looking forward to my fourth year in this position and to the completion of the new projects that we have set in motion. Thank you for your support. Please don't hesitate to contact me at any time if you have ideas that might help our Department to grow and to prosper.



Craig Wilcox  
Chair



## In Memorium

**Dr. Hurd W. Safford**, Professor Emeritus of Chemistry at the University of Pittsburgh, died on Monday, September 7, 1998 after an extended illness at the age of 83. Professor Safford graduated with a BS in Ceramics Engineering from Alfred University in 1936. He subsequently entered the graduate Chemistry program at the University of Pittsburgh in order to do research with noted glass chemistry expert (and then department chairman), Dr. Alexander Silverman. Following the award of his PhD in 1941, Dr. Safford was asked to remain with the Chemistry Department as an instructor to assist in the chemistry education of army officers who were preparing for service in World War II. He remained with the Chemistry Department, where he became a full professor in 1968. On May 1, 1985, Dr. Safford was appointed Professor Emeritus.

During his 44-year career as a member of the faculty, Professor Safford made substantial contributions to the Chemistry Department, in particular to the undergraduate teaching program. For over 20 years he served as coordinator of the undergraduate program. In this capacity he personally interviewed each new chemistry major, welcomed them, and then helped them plot their progress in the chemistry program. Even after his retirement, Professor Safford continued to serve as a liaison between the Department and undergraduate majors. Dr. Safford also conducted research in electroanalytical chemistry and authored a number of papers on polarography and coulometry. In 1953 Dr. Safford gave the first description of an amperometric method for the microdetermination of fluorine in organic compounds. During his career, Dr. Safford also supervised seventeen doctoral students.

Dr. Safford's remarkable contribution to undergraduate chemistry education at the University of Pittsburgh was recognized in 1985 with the creation of the

Hurd W. Safford Award for Graduate Teaching Excellence. Each year as many as seven graduate students are recognized for their demonstrated excellence in teaching. Among the first recipients of this award was Dr. George Bandik, now a Senior Lecturer in Chemistry and Assistant Dean in the College of Arts and Sciences. Bandik says of Safford, "His concern and dedication to our undergraduates was exemplary. I always have considered him in high regard and still consider him to be my role model."

At the time of Dr. Safford's death, the family requested that any memorial gifts be given to the University of Pittsburgh in support of the Safford Award for Graduate Teaching Excellence in care of the Chemistry Department. Contributions collected to date have already been put toward installing a plaque in the Chevron lobby to recognize past and future recipients of the award.

## Baccalaureate Bravos 1999-2000 Fall Awards

**Messer Award**  
Yvonne A. Mitchell

**Silverman Award**  
Matthew Kramer

**Analytical Award**  
Heather Sapko

**Freshman Award**  
Chivonne Harrigal

**Spring Awards  
Averill Scholarship**  
Darryl Firewicz  
Jonathan Perrin

**Valspar Award**  
Bethany N. Engel  
Edward Senior

**Lubrizol Scholarship**  
Kyle L. Bittinger  
David M. Mauger

**Teplitz Scholarship**  
Catherine Faler  
Brian A. Jacobs  
James R. Lindner

**Rita R. and David A. Rossi  
Scholarship**  
Adebunmi O. Adeyiga

**Richard F. Zarilla Award**  
Raymond M. Houston  
Maria Orton

**American Institute of Chemists  
Award**  
Jean Grabowski

**Merck Awards**  
Cheryl A. Clay  
Christopher R. Taormina

**Mary Louise Theodore Prize**  
Robbyn M. Berenda  
Peter G. Chambers  
Rebecca Botham-Senkowicz  
Gregory Y. Vaslowski

**Phillips Medal**  
Yvonne A. Mitchell

## Graduate Awards 1999-2000

**Safford Graduate Teaching Awards**  
Jennifer Bartels  
Todd Bosanac  
Beth Ann Fletcher  
Olivier Guise  
Amina Khan  
Brian Mohney  
Michael Peddicord

**Frederick Kaufman Fellowship**  
Gregg Huston

**Bayer Fellows**  
Neil Fairweather  
Daniel Minion

**Aristech Fellow**  
Andrew Kassick

## A Special Celebration

The 2000-2001 academic year represents a special occasion for the Chemistry Department. It will mark 125 years since Dr. Francis Clifford Phillips founded the department in 1875. The Department and the University plan to mark this special anniversary with a series of celebratory activities, many of which will take place during Homecoming Weekend on September 15 and 16. I hope you will take time now to mark these special dates on your calendar and that you will be able to join us for the celebration.

A key event will be the inauguration of Distinguished Chemistry Alumni Awards that will take place at a special banquet on Friday evening, September 15. We would welcome suggestions for these awards, and nominations may be sent to Professor Stephen Weber in care of the department or via email at [sweber@pitt.edu](mailto:sweber@pitt.edu).

Of course, many may wish to attend the Homecoming game where Pitt takes on Penn State in the final game of their historic rivalry. We are working to secure tickets for the game. Additional information will be forthcoming. You can keep abreast of the latest plans via our web page at <http://www.chem.pitt.edu>. Be sure to save the dates!

## New Faces

Dr. **Ericka Cederstrom**, Lecturer in General and Organic Chemistry, joined the department in July, 1999. A PhD from the University of Maryland, Cederstrom came to us from the University of Alaska.

**Ashe Fellows**  
Daniele Aubele  
Keri Boduch  
Daniel Knapton  
Christopher Lee  
Brandi Schmidt

**Lubrizol Fellow**  
Jan Steckel

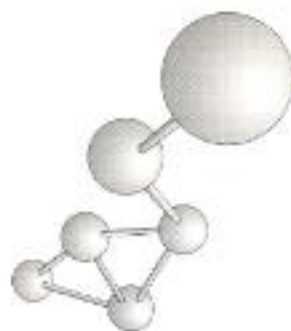
**ACS Fellowship-SACP**  
Hua Yang

**Mellon Fellows**  
Alfredo Cardenas  
Rojana Lecharoen  
Fernando Vila  
Hua Yang

**Paul Floreancig**, Assistant Professor of Organic Chemistry, also joined the faculty in the fall of 1999. Floreancig received his PhD from Stanford working with Paul Wender and conducted postdoctoral research at Caltech with Peter Dervan. His research focuses on the total synthesis of natural products and bioactive analogs. **Len Kogut** came to the Department from Penn State-Beaver as a Senior Lecturer in January, 1998. A 1970 doctoral graduate of Pitt, Kogut is currently coordinating the General Chemistry for Engineers program.

## Giving to the Department

The Department of Chemistry has six funds that receive regular contributions. The **Chemistry Annual Giving Fund** provides support both for undergraduate student and graduate student efforts, including the fall and spring undergraduate awards ceremonies and the Safford Graduate Teaching Excellence Awards. The **Mary Louise Theodore Prize** is given annually to two to four outstanding undergraduate chemists each year, remembering one of the more active analytical chemists in the Pittsburgh chemistry community. The **Pam Basu Memorial Fellowship Fund** commemorates a former PhD graduate, Pam Basu, who was killed in a tragic carjacking in 1992. The fund is intended to support doctoral students in the Department, especially women. The **Levine Book Fund** purchases books for the Chemistry Library in honor of the late Professor Robert L. Levine. During the summer of 1999 we were able to purchase the nine volume series, *Comprehensive Natural Product Chemistry*, edited by Derek Barton and Koji Nakanishi. The **Frederick Kaufman Memorial Fund** was established in honor of the former chairman to support the annual Kaufman Memorial Lecture Series. The **Paul Dowd Lecture Fund** provides support for the annual lecture series in memory of Professor Dowd.



## Three Faculty Retire



Three long-service faculty retired in 1998 and 1999. Professor **Richard Butera**, Professor of Physical Chemistry, retired at the end of June, 1998. Dr. Butera joined the faculty in 1963 after working as a postdoc for Dr. Ed Wallace. His research was in the areas of magnetothermodynamics, intermetallic compounds both magnetic and heat capacity,



The end of April, 1999 saw the retirement of **Theodore Cohen**. During his 43-year tenure on the faculty, Professor Cohen mentored 42 organic doctoral students including Jonathan Lipowitz, John Fager, Edmond Jankowski, Il Hwan Song, Gary Deets, Robert Schambach, Antonio Botelho, Jerry Jenkins, Ronald Berninger, William Gray, Katherine Woo Smith, Michael Swerdloff, Janet Ziskind Tarino, Moredecai Treblow, Jeffrey Solash, John Wood, Albert Dietz, David Kuhn, Albert Mura, Jr., Richard Gapinski, Robert Weisenfeld, Zenyk Bohdan Kosarych, James Metz, Steven Nelson, Ming Teh Lin,



**Darel Straub**, Associate Professor of Inorganic Chemistry and well-known teacher of general chemistry, also retired at the end of June, 1998. Dr. Straub graduated eleven doctoral students, including Ying-Mae Yung, Stephen Krezeminski, Chris Maricondi, Manuel Torrens, Eugene Pasek, George VonNeida, William Connor, Ramzi Saleh, Carl Shaffer, Raymond Blassi, and Joseph

hydrogen in metals, reactions of semiconductor surfaces, and spectroscopy ultrahigh vacuum work. Professor Butera graduated nine doctoral students, including Richard Stein, Elliott Schiller, Charles Kunesh, William McCall, Robert Moskaitis, Deborah Rutter, Don Germano, Thomas Clinton, and Jeffrey Moore. While "retired" Professor Butera still continues to collaborate with Professor David Waldeck, and also has taught several sections of general chemistry.

James Matz, Steven Nolan, Ming-ten Liu, M. Bhupathy, James Sherbine, Bao-Shan Guo, Michael Myers, Dennis McCullough, Keith Ramig, Robert Ritter, Matthew Romberger, William Abraham, Wendel Doubleday, Mary Dosch Doubleday, Michael Kuzemko, Erik Verner, Yoonmo Ahn, John Cherkauskas, Hong Liu, and Steven Norton. The list will grow as his remaining students complete their work. Dr. Cohen continues his NSF-funded research and is still an active member of the Department. A special symposium honoring Professor Cohen was held here last October.

Feeney. Professor Straub's retirement was marked with a special Phillips Medal in recognition of his many contributions to undergraduate and graduate education during his 30 years in the Department of Chemistry.

# Faculty Accolades

**Sanford Asher** was the 1998 recipient of the *Bornem Michelson Award*. The award honors active scientists who have advanced the techniques of vibrational, molecular, Raman or electronic spectroscopy through experimental or theoretical work. Selected by a committee chosen by the Coblenz Society, Professor Asher was the twelfth recipient of this award. Professor Asher was also awarded the 1998 *Lester W. Strock Award*. Presented annually by the Society for Applied Spectroscopy, Asher was recognized for his UV Raman studies of biological structure.

**George Bandik** was the 1998 recipient of the *Carnegie Science Center Science Award for Excellence in Teaching*.

During 1999-2000 **David Beratan** was a *Visiting Fellow, All Souls College* at the University of Oxford and *Ralph and Lucy Hirschmann Visiting Professor* at the University of Pennsylvania. Concurrently, Professor Beratan was the recipient of a Guggenheim Fellowship.

The *Dr. Paul Janssen Prize for Creativity in Organic Synthesis* was awarded at the seventh Belgian Organic Synthesis Symposium (BOSS) in July, 1998 to **Dennis P. Curran**. This international prize is awarded every other year in conjunction with this symposium to an organic chemist under 50 who has contributed original ideas to organic synthesis. Curran was the seventh and youngest recipient of this award. Dr. Curran was also named as a 1998 recipient of the Chancellor's Senior Award for Research at the

**Tara Meyer** was awarded a 1999 *Sloan Research Fellowship* by the Alfred P. Sloan Foundation. The awards are given annually to 100 young scholars "who show the most outstanding promise of making fundamental contributions to new knowledge" in chemistry, computer science, economics, mathematics, neuroscience and physics. Meyer's research is in inorganic polymer chemistry, with an emphasis on the synthesis of novel polymers (plastics) using metal-catalyzed reactions.

In 1999, **Scott Nelson**, Assistant Professor in organic chemistry, received an *NSF CAREER Award* for his program, "Development of Asymmetric Cyano Group-Transfer Reactions." Nelson joins current NSF CAREER Awardees **Jumi Shin, Eric Borguet, and Tara Meyer**.

The 1999 *Earle K. Plyler Prize for Molecular Spectroscopy*, sponsored by the American Physical Society, was awarded to **David Pratt**. Professor Pratt was cited for "his pioneering research in ultra high resolution laser spectroscopy, which has elucidated the structures and dynamical behaviors of a wide range of large molecules and their clusters."

**David Waldeck** was the 1999 *Belkin Professor* at the Weizmann Institute in Rehovot, Israel. His collaborations there focused on experiments on the transmission of electrons through monolayer thick films of organic molecules deposited on metal surfaces.

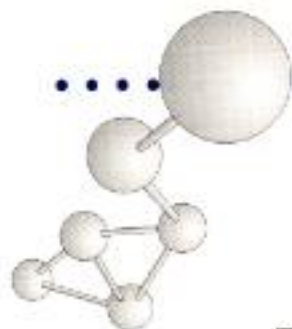
*Award of the American Chemical Society*. This year Wipf has received a *Japan Society for the Promotion of Science Fellowship* and the *Novartis Research Award*.

**John Yates**, R.K. Mellon Professor of Chemistry, was honored as the 1998 recipient of *The Pittsburgh Award of the American Chemical Society*. The Pittsburgh Award was established in 1932 by the Pittsburgh Section to recognize leadership in chemical affairs in the community. Professor Yates was also named by the American Chemical Society as the 1999 recipient of the *Arthur W. Adamson Award for Distinguished Service in the Advancement of Surface Chemistry*, awarded to an individual who has made extensive contributions to the advancement of surface chemistry. During May 2000, Dr. Yates is at Cambridge University as the *Linnett Visiting Professorship of Chemistry*, the highest honor that department bestows on any foreign scientist.

University of Pittsburgh. He was among the first recipients of the President's Junior Award for Research in 1989. This year, Curran has been honored as the recipient of the *American Chemical Society Award for Creative Work in Organic Synthesis*. During 2000, Curran is serving as the president of the ACS Organic Division.

**Stephen Weber** was elected President of the *Society for Electroanalytical Chemistry* for 1999-2001.

**Peter Wipf** was honored as the 1998 recipient of the prestigious *ACS Cope Scholar Award*, and later that year he also was awarded the *Akron*



# Piece of the Past

The Faculty 25 Years Ago...Professors and Instructors for 1974-75

(based on a vintage departmental phone directory)

Edward (Ned) Arnett

Richard Butera

James Carter

Toby Chapman

Johannes Coetzee

Theodore Cohen

Raymond Craig

Samuel Danishefsky

Dennis Finseth

Bodie Douglas

Paul Dowd

Toby Dunkelberger

Frank Ellison

Lawrence Epstein

Paul Grieco

C. A. Hollingsworth

K. Jeffrey Johnson

William Kadunce

Fred Kaufman

Robert Levine

Richard McCoy

Foil Miller

Alfred Moyé

Frank W. Plankey

David Pratt

J. Wayne Rabalais

V.U.S. Rao

Jerome Rosenberg

Gordon Ryan

Hurd Safford

Peter Siska

Darel Straub

Joseph Taber

William E. Wallace

Robert Wolke

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- I am enclosing a check for \$ \_\_\_\_\_ made out to: **The University of Pittsburgh Chemistry Annual Giving Fund**
- I am enclosing a check for \$ \_\_\_\_\_ made out to: **The Pam Basu Memorial Fund**
- I am enclosing a check for \$ \_\_\_\_\_ made out to: **Mary Louise Theodore Scholarship Fund**
- I am enclosing a check for \$ \_\_\_\_\_ made out to: **Frederick Kaufman Memorial Fund**
- I am enclosing a check for \$ \_\_\_\_\_ made out to: **Paul Dowd Memorial Fund**
- I am enclosing a check for \$ \_\_\_\_\_ made out to: **Chemistry AGF: Levine Book Fund**
- I have enclosed my company's forms for matching funds. **Degrees/Year:** \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

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