

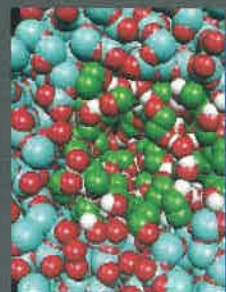
Jayhawk Chemist

Winter 2010

Est. 1966 No. 41








THE UNIVERSITY OF KANSAS CHEMISTRY DEPARTMENT NEWSLETTER FOR ALUMNI & FRIENDS



Jayhawk Chemist

c o n t e n t s

	4
	5
	10
	6
	12

A Word from the Chair, Craig Lunte.....	3
Alumnus Reaches Milestone, Malott Hall Updated.....	4-5
Undergrads Have Fun with Chemistry.....	6-7
Five Teaching Faculty Recognized, Faculty Updates.....	8-9
Volunteer Honored, ChemHawk Debuts on Web.....	10
Buzz Adams Legacy Reunion Planned.....	11
Distinguished Professor Celebrates 70th	11
Chemistry Degree Recipients.....	12
Awards & Scholarships.....	13-14
Chemistry Contributors.....	15

The *Jayhawk Chemist* is published by the Department of Chemistry at the University of Kansas.

KU Chemistry Department
1251 Wescoe Hall Drive, Room 2010
Lawrence, KS 66045
785.864.4670 Telephone
785.864.5396 Fax
www.chem.ku.edu

DEPARTMENT CHAIR
Professor Craig Lunte
clunte@ku.edu

ASSOCIATE CHAIR FOR UNDERGRADUATE AFFAIRS
Professor Robert Carlson
rcarlson@ku.edu

ASSOCIATE CHAIR FOR GRADUATE AFFAIRS
Professor Brian Laird
blaird@ku.edu

EDITOR
Liz Christian,
Program Assistant

Dear Chemistry Alumni and Friends:

Greetings from the Chemistry Department. Well, I am back as Chair as Joe Heppert has moved on to become the Associate Vice Provost for Research. The Department appreciates Joe's efforts during his term as Chair and wishes him well in his new position. Joe is replacing George Wilson as Associate Vice Provost, so the Chemistry Department continues to produce outstanding administrators who are providing leadership to the entire University.

It has been another busy year in Malott Hall. The Chemistry Department continues its progress of the past several years. We continue to add new faculty, expand the number of students in the Department, and renovate space in Malott. We have also begun a comprehensive review of both our graduate and undergraduate curricula.

We were pleased to welcome Professor Chris Elles to the faculty this year. Professor Elles is a Physical Chemist studying the reaction dynamics of molecules in solution. Chris uses ultrafast spectroscopy to monitor chemical reactions on the time scale of atomic motion and looks for new ways to probe the dynamics in order to learn more about the fundamental physical processes that govern chemistry. For example, his group is interested in the excited state dynamics of "molecular photoswitches" that will be used in the next generation of data storage.

Congratulations to Professor Kristin Bowman-James who was named a University Distinguished Professor. We will miss Professors Rich Givens and George Wilson who are both retiring at the end of this academic year.

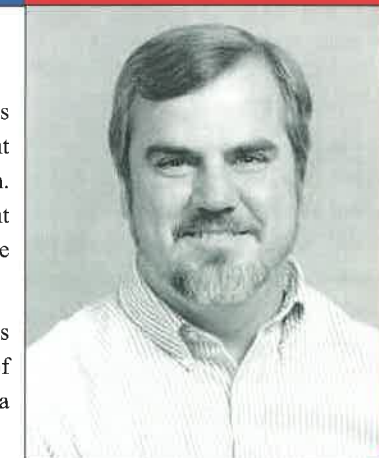
The Chemistry Department faculty had a very successful funding year. Research expenditures in the Department exceeded \$6M. This funding comes from a wide variety of sources: NIH, NSF, DOE, ACS, American Heart Assoc., and private industry, among others. This allows us to engage a large number of graduate and undergraduate students in cutting edge research. Even in these difficult financial times, the faculty has been able to expand the range of cutting edge research being conducted in Chemistry at KU.

As I stated above, we have begun a comprehensive review of our graduate and undergraduate curricula. At the graduate level, the Department recently adopted a graduate plan of study which provides an individualized program for each graduate student. Upon choosing a Research Advisor, each student will also select a Research Mentoring Committee. The student, Research Advisor, and Mentoring Committee will work together to develop a course of study for that student. The plan will then need the approval of the Graduate Affairs Committee. This will provide the flexibility to design customized plans of study reflecting the diverse multidisciplinary nature of modern chemical research. The faculty are excited about implementing this new approach with the class of graduate students joining us this coming fall. At the undergraduate level, we have made several changes to General Chemistry. Starting this fall, we will offer a one semester General Chemistry for Engineers course. There will also be a separate General Chemistry lecture section specifically for Chemistry majors. There will also be a new course for Chemistry majors, Freshman/Sophomore Chemistry Seminar. This will be a compliment to our established Junior/Senior Chemistry Seminar course. The goal of the new course is to get our majors more involved in the Department and the discipline at an earlier stage in their academic careers.

All of these endeavors take money to implement and the Chemistry Department has been fortunate to have generous alumni. I would like to thank all of the donors to the Chemistry Department. We could not provide the programs we do without the outstanding generosity of our alumni. We are extremely grateful for every donation that we receive. I, again, extend a warm invitation for you to visit the Department whenever you have the opportunity. On behalf of the faculty, staff, and students, we all look forward to seeing you again.



Craig Lunte
Chair & Professor, Department of Chemistry



Alumnus Doug Neckers Turns 70, Honored with Symposium

Forty-five years after receiving his Ph.D. from the Chemistry Department at the University of Kansas, Dr. Douglas C. Neckers celebrated his 70th birthday with a symposium and dinner. He has spent the last four and half decades building an honorable and successful scientific career as a leader in the photochemical sciences and was honored by the Center for Photochemical Sciences at Bowling Green State University where he is Executive Director.

Dr. Neckers began his Chemistry career as one of Emeritus Professor of Chemistry Earl S. Huyser's first graduate students. (Below is a picture of Dr. Huyser's research group circa 1962.) Upon graduation from KU, Dr.

Neckers had a postdoctoral appointment at Harvard and then began his academia career at Hope College. In 1973, he joined Chemistry Department as a Professor and Chair at Bowling Green State University in Bowling Green, Ohio, where he has remained to work over the past four decades.

Bowling Green has served as a place of continued success for Dr. Neckers, winning multitudes of distinguished awards for contributions to the photochemical sciences. He is currently a McMaster Distinguished Research Professor and the Executive Director of the Center for Photochemical Sciences for Bowling Green State University. He helped to establish a Ph.D. program in photochemical

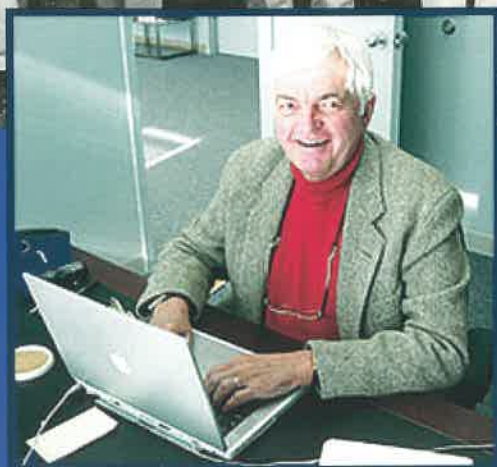
sciences at BGSU which has been ranked one of the highest in the state.

To honor his professional accomplishments and monumental birthday, the Center for Photochemical Sciences at BGSU hosted the Douglas C. Neckers 70th Year Symposium in October 2008. The Douglas C. Neckers Endowment Fund was also established by BGSU to help fund Ph.D. students in the photochemical sciences and to honor a distinguished teacher or scholar with the Necker's Endowed Professorship.

All of the members of the KU Chemistry Department would like to wish Doug Neckers a happy 70th birthday and many more years of success!



ABOVE: Doug Neckers (under arrow) poses with other members of Emeritus Professor of Chemistry at KU, Dr. Earl S. Huyser's, research team in front of Malott Hall in Spring of 1962. (Photo courtesy of Earl S. Huyser.)



RIGHT: Dr. Doug Neckers hard at work as a Distinguished Professor and Executive Director of the Center for Photochemical Sciences at Bowling Green State University. (Photo courtesy of the BGSU web site.)

Malott Hall Receives a Facelift

Malott Hall, home to the Chemistry Department at the University of Kansas, has been received a few renovations over the past year as part of the deferred maintenance program set forth by the University and State of Kansas. Malott is not only home to the Chemistry Department, but also houses the Physics & Astronomy Department, the School of Pharmacy (until August 2010), the Animal Care Unit and many classrooms and teaching laboratories.


In 2006, the Kansas Legislature approved and the governor signed a law that allows interest on tuition payment to be retained by KU for deferred maintenance, and many of the renovations to Malott are a result of this initiative. A new floor was also installed in all the hallways throughout the North (older) half of Malott.

With its dedication Nov. 5, 1954, Malott Hall has stood as the central science building on KU's campus for 54 years. With general wear and tear, Malott Hall is in need of some important functional and


esthetical updates. Included in these updates are fourteen new fume hoods that were installed throughout the labs in Malott. The old transit hoods were dismantled and replaced with new, more efficient Labconco hoods.

In addition, the limestone exterior of Malott was cleaned to remove the years of pollution and calcium related discoloration. A restoration company power washed the limestone then sealed it to prevent further discoloration of the limestone. One of the final steps of Malott Hall's current remodel will include replacing the original flooring that remained in the hallways on the north side of the building. The old flooring was removed and replaced by tiles to help brighten up the presently dim hallways.


With the continued maintenance and improvements, Malott Hall will hopefully continue to stand as one of the landmark buildings on KU's main campus.




BELOW: Malott Hall's northeast corner after cleaning.



ABOVE: Crew members from Midwest Restoration, Co. use high-pressure sprayers and cleaner to wash the grime off the outside of Malott Hall.



ABOVE: Malott Hall's northeast corner before cleaning.



Sample of Malott Hall's flooring before (LEFT) and after (RIGHT).

Chemistry Department Staff Updates

Susan Teague, Business Manager, celebrated her 60th birthday on August 17, 2008. The Chemistry Department staff threw her a "surprise" party, complete with pizza, cake, decorations and gifts. (RIGHT: Susan enjoys opening one of her presents.)



program and Analytical Division secretary. Elaine worked previously at the CLAS Student Academic Services office here at KU.

Elaine Knight, Administrative Associate Sr., joined the Department in October 2007. Her job duties include half-time assistant to Dr. George S. Wilson, administrative assistant for the REU

Sue Mohr, Program Assistant, retired from the Chemistry Department and the University of Kansas in May 2008. She retired after 17 years with the Chemistry Department and approximately 25 years at the University of Kansas. The department wishes Sue the best of luck with her retirement.

HAVING FUN WITH CHEMISTRY

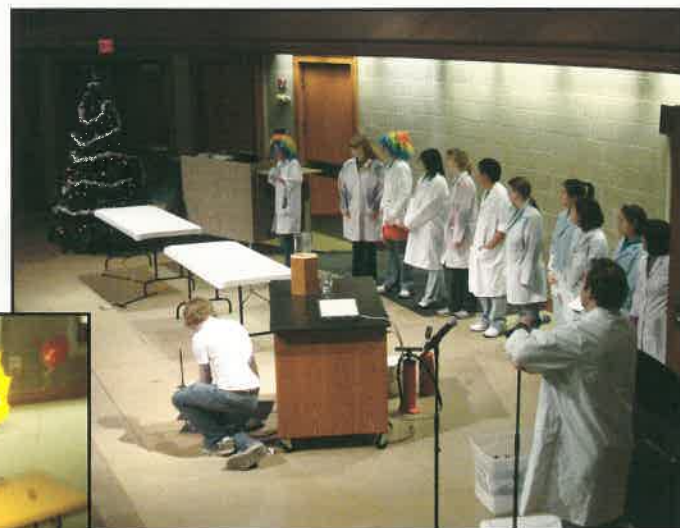
The KU Chemistry Club members have been busy showing children, and adults alike, that chemistry can be cool. The KU Chem Club, consisting primarily of undergraduate Chemistry majors, has really grown in its number of members in the past few years, which has led to increased participation in community outreach activities, fund raising and hosting of seminar speakers at KU.

With record numbers of participants, the 2009 Carnival of Chemistry, put together by the KU Chem Club, KU graduate students and other volunteers, was a great time for both children and their parents to learn how much fun they can have with chemistry. The Chem Club members have been participating in other outreach events, such as making dry ice ice cream on campus and presenting demonstrations to groups as large as 500 children and parents throughout Kansas.

The Chem Club also recently hosted a seminar with guest speaker, Dr. Charles E. Perry, in November 2009 that was attended by KU students, faculty and members of the community.

The Chem Club has been invited to the 239th National American Chemical Society (ACS) meeting in San Francisco, CA to present the group's infamous "Frozen Flames University" demo (pictured below). Four members are currently raising money to travel to the ACS meeting (March 21-25) and are looking forward to presenting their demonstration along side approximately 100 ACS student affiliate groups and chemistry clubs from throughout the United States.

Fund raising is an important to the Chem Club, because they support most of the cost of these events.



ABOVE: The Chem Club's demonstration, "Frozen Flame University", presented to a group of children and their parents in Budig Hall at the University of Kansas, main campus.

The members have sold "Beak'ER Hawk" t-shirts, presented paid demonstrations and hosted bake sales to raise money. Also, the students that are planning to attend the ACS meeting were awarded multiple grants to use towards cost of travel to San Francisco.

The KU Chem Club is a great experience for Chemistry undergraduates to share the excitement of chemistry with their community, learn important skills for the future and make chemistry related connections throughout the country, while having a little fun during their time at KU.



TOP RIGHT: A boy at the Carnival of Chemistry has a hair-raising experience after touching a Van de Graff generator.

MIDDLE RIGHT: Chem Club members make ice cream from dry ice in front of Wescoe Hall on KU's main campus.

BOTTOM RIGHT: A girl at the Carnival of Chemistry tests the conductivity of different liquids while her family looks on.

Five Chemistry Professors Awarded for Teaching

Over the past two academic years, five Chemistry Department faculty have been honored for being outstanding educators with a \$5,000 Kemper Fellowship for Teaching Excellence. Receiving this cash award, that may be used at one's discretion, is a way for the University to recognize and encourage its teaching faculty.

In August of 2008, the new school year was off to a great start for three Chemistry faculty, Professor Paul Hanson, Associate Professor Ward Thompson and Associate Professor Jon Tunge, because the "surprise patrol" led by former Chancellor Robert Hemenway presented each of them with \$5000 W.T. Kemper Fellowships to recognize outstanding teachers and advisers at KU.

The beginning of the current academic year started off great for two more Chemistry faculty, Associate Professor Heather Desaire and Associate Professor Cindy Berrie, who both received the \$5000 Kemper Fellowships

from "surprise patrol" led by Chancellor Bernadette Gray-Little in August 2009.

The Kemper Fellowship is given to unsuspecting professors throughout the University of Kansas who have been chosen as



Associate Professor of Chemistry, Jon Tunge, is awarded a \$5000 Kemper Fellowship for Teaching Excellence by the "surprise patrol" led by former Chancellor Robert Hemenway. (Aug. 2008)

recipients by a seven-member selection committee. Benefits of these awards include enhancing faculty morale, recognizing the important role of teaching in higher education, and demonstrating the beneficial relationship between private gifts and the University.

Each year, 20 professors on KU's main campus are honored and \$100,000 is distributed among them. Also, four professors at the KU Medical Center in Kansas City, Kan., are honored. Established in 1995, the awards are supported by a

\$650,000 donation from the William T. Kemper Foundation and a matching fund of \$650,000 by KU Endowment.

The William T. Kemper Foundation was established in 1989 to honor William Kemper, a well-known civic leader in

Kansas City. The mission of the foundation is to continue Kemper's lifelong interest in improving the human condition and quality of life through education, health and human services, civic improvements and the arts.

KU Endowment is the independent, nonprofit organization serving as the official fundraising and fund-management organization for the University of Kansas. Founded in 1891, KU Endowment is the first foundation of its kind at a public university within the United States.

Being nominated and selected for a Kemper Fellowship is considered an exceptional honor for teaching faculty within the Chemistry Department and throughout the University of Kansas. Chemistry at KU has a strong tradition of award recipients which the department strives to continue in years to come.



Paul Hanson demands a lot of his students, but he also gives them a lot of himself. Since 2005, Hanson has taught the two-semester sequence in undergraduate organic chemistry, with enrollments ranging as high as 556 students. "It is a rare day when Paul does not have 10 to 20 students lined up outside his door," says Joseph Heppert, professor and chair of the Department of Chemistry. "Students seek him out for individual help and flock to his review sessions." In fact, Hanson won the 2006 H.O.P.E. award. The Honor for an Outstanding Progressive Educator is the only KU award given exclusively by students for teaching excellence. One of his former students captured his experience in Hanson's class this way: "I learned not only chemistry, but how to study and be a better student."

Jon Tunge frequently teaches the honors organic chemistry sequence or advanced-level graduate synthesis courses — classes that the chair of the Department of Chemistry describes as "extremely challenging." Yet Tunge's students rave: "Jon is awesome. Make him teach as often as possible. My favorite class ever." Joseph Heppert, professor and chair of chemistry, thinks he knows why Tunge's evaluations are so positive. "He approaches the teaching of organic chemistry with great passion and a penchant for accuracy. I believe that his stellar student evaluations stem from his high standards for both his students as learners and himself as an instructor." Tunge's teaching does not stop when the whistle blows. His office is always open to students, and he holds informal discussion sessions — on Saturday afternoons.

Faculty News & Awards



Ward Thompson's passion for teaching and good humor can win over even the students most reluctant to embrace quantum mechanics and electronic structure of molecules. Joseph Heppert, professor and chair of chemistry, describes him as an outstanding communicator and a patient, caring teacher. In fact, Thompson's efforts have changed the way KU teaches physical chemistry by updating the content and organization to reflect a modern outlook and practice. "Professor Thompson has been a major driving force in one of the most remarkable curriculum realignments I have witnessed during my professional career," says Heppert.



Heather Desaire joined the chemistry faculty in 2003 and became an associate professor in 2007. In 2006, she developed KU's first course in mass spectrometry, an advanced class that is extremely popular. Many of her classes cover cutting-edge science and colleagues say she is skilled at keeping her teaching fresh by methodic self-evaluation. She is also an effective communicator and lecturer who strives for student understanding. "Professor Desaire listens to students...really listens and probes to understand the heart of the student's question before constructing an answer," said Joseph Heppert, chemistry department chair. Many of Desaire's students go on to professional positions at major firms, evidence that the quality of her teaching is superb.



Cindy Berrie's tests are hard, and her classes challenging, but her students say she's "awesome" and would have it no other way. Berrie joined the chemistry department in 2001 and was promoted to associate professor in 2007. She primarily has taught advanced undergraduate fundamental and laboratory courses, including honors courses, and currently is the department's honors coordinator. Many of the courses she teaches are among the most difficult undergraduates in the department face, because much of the material is new and math-intensive. Colleagues say Berrie is a polished lecturer who excels at making her classes better by updating and rewriting class materials to make them more effective. "Professor Berrie is a serious teacher, who prides herself both in the excellence of her instruction and the high standards of performance she expects from her students," said Joseph Heppert, department chair. "In spite of relaying her high expectations, Professor Berrie simultaneously communicates her care and engagement with student learning."



Dr. Joseph Heppert, Professor of Chemistry, began his new position as Associate Vice Provost for research and graduate studies and Vice President of the KU Center for Research (KUCR) in August 2009. Dr. Heppert is currently working along side his predecessor, Dr. George Wilson, the Higuchi Distinguished Professor of Chemistry and Pharmaceutical Chemistry and current Associate Vice Provost and Vice President of KUCR, and will assume full-time responsibilities upon Dr. Wilson's retirement in summer 2010.



Dr. Robert Dunn, Professor of Chemistry, was selected as a 2009 Outstanding Educator by the University of Kansas Mortar Board honors society. Members of the Mortar Board honor society at KU honored five faculty as Outstanding Educators in November 2009 based on their devotion to academics, teaching style, accessibility, knowledge of their subjects and other special qualities identified by the KU chapter. The five were selected by the 49 members of the KU honor society.



Dr. Kristin Bowman-James, principal investigator and project director of Kansas' EPSCoR program and a University Distinguished Professor of Chemistry, received word from the National Science Foundation that the program would receive a \$20 million grant for climate change and energy research. The grant is a multi-institutional, multi-sector effort that will link four universities: KU, Kansas State University, Wichita State University and Haskell Indian Nations University; three Kansas-based companies: Abengoa Bioenergy, MGP Ingredients and Nanoscale; and two companies outside of the state: ADM (Illinois) and Netcrystals (California) in a massive research effort.



Dr. Craig Lunte, Professor and Chair of Chemistry, was the 2008 recipient of the American Association of Pharmaceutical Scientists (AAPS) Research Achievement Award in Analysis and Pharmaceutical Quality. Dr. Lunte formally received this award, among the highest conferred by the AAPS, at the Opening Session of the 2008 AAPS Annual Meeting and Exposition, November 16-20, 2008, held at the Georgia World Congress Center in Atlanta, GA. Dr. Lunte received an honorarium, a framed certificate, and travel expenses to the Annual Meeting and Exposition. A dinner reception was held in Atlanta to honor Dr. Lunte that included the attendance of colleagues, students and friends.



Dr. Daryle Busch, Roy A. Roberts Distinguished Professor, Deputy Director of the CEBC, and President of the American Chemical Society, was presented with the Midwest Regional Award of the American Chemical Society. The award is sponsored by the St. Louis ACS section in the amount of \$3000 plus expenses. The award will be presented to Dr. Busch at the Midwest Regional Meeting which was held in Kearney, NE on October 8-10, 2008. An accompanying symposium followed by a reception and banquet at the Museum of Nebraska Art were among the activities attended by Dr. Busch and others.

Big Jay: YouTube Star, Future Chemist?

An unusual request was made to the Chemistry department for a few large, “Jayhawk-sized” flasks. Naturally, we were all

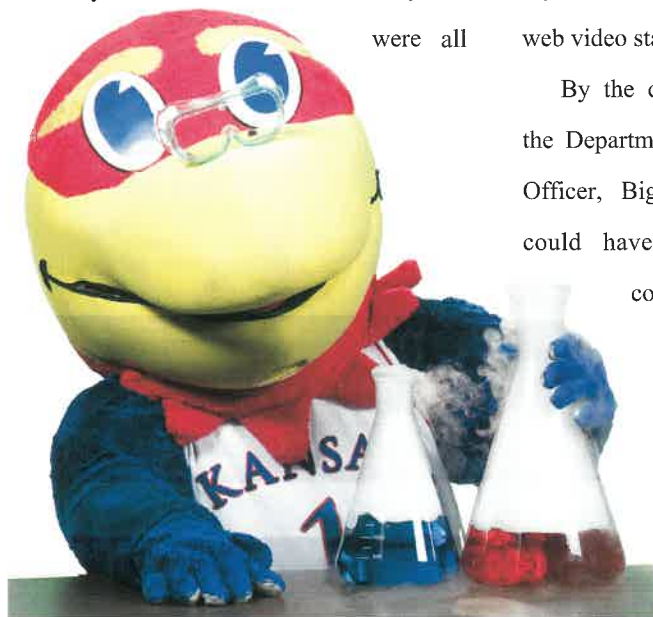
curious as to the nature of this request, but we were soon to find out that Big Jay would be making his big debut as a web video star.

By the demand of Susan Teague, the Department of Chemistry’s Safety Officer, Big Jay was instructed he could have the flasks under one condition—he must wear safety goggles. With his safety goggles securely in place, Big Jay mixed up some crimson and blue concoctions in his “Jayhawk-sized”

flasks for his debut video on YouTube.

No, Big Jay has not joined the Chemistry department to become a true “Chem Hawk”, but then again he has yet to declare his major.

The borrowed props were actually for a KU promotional video with Big Jay posing as a guest on The Colbert Report, a Comedy Central TV show hosted by Stephen Colbert. You may watch this video by visiting youtube.com and searching for “Big Jay vs. Stephen Colbert”.



Carolyn Landgrebe Honored for Volunteer Work

Mrs. Carolyn Landgrebe, retiree and wife of Chemistry Emeritus Professor Jack Landgrebe, was recently honored for her immense volunteer work throughout the Lawrence community. The Lawrence Sertoma Club surprised Landgrebe with the Service to Mankind Award in 2009, which is the highest award a nonmember can receive from the club.

As noted in an excerpt from the April 20, 2009 news article in the Lawrence Journal World, “The 71-year-old grandmother of five somehow finds time to volunteer five days a week delivering meals for Meals on Wheels, takes home-baked goods to Presbyterian Manor residents and visits daily with senior citizens who have no family in town. She

also tutors students at Prairie Park School who are having difficulty reading and volunteers at LINK. And if that weren’t enough, she’s also donated more than 20 gallons of blood in her lifetime.”

Landgrebe was able to secure more than \$37,000 in grant money to purchase books for the home lending library program she began

at two local elementary schools, and is affectionately called “the reading lady”. As a retired first-grade teacher and reading specialist from the Lawrence, KS school district, Landgrebe considers reading as the most important life skill.

Congratulations to Carolyn for receiving this well-deserved honor!



Buzz Adams Legacy Reunion Set for June

Ralph “Buzz” Adams’ former students, colleagues, family and friends, as well as friends of the Adams Institute, will gather at the University of Kansas for the second Buzz Adams Legacy Symposium and Reunion. Scheduled for Friday, June 11, 2010 through Sunday, June 13, 2010, this event will be a chance for guests to reunite with old friends and interact with current members of the Ralph N. Adams Institute for Bioanalytical Chemistry.

Activities will include many social activities, including a reception Friday evening, dinner and reception on Saturday and a brunch Sunday morning. Also, a symposium and tours of the

research facilities on both KU’s main and west campus are scheduled for Saturday, June 12. This is an open event and anyone interested is invited to attend these events.



Please visit the Adams Institute web site: www.adamsinstitute.ku.edu/news/buzz_symposium.shtml or contact Gary Webber, gwebber@ku.edu, for more information or questions about the symposium and reunion.

George Wilson’s 70th Birthday Events Highlight Career

Former students, colleagues, friends and family gathered for a symposium and dinner to celebrate the career and milestone birthday of Dr. George S. Wilson, Higuchi Distinguished Professor of Chemistry and Pharmaceutical Chemistry at the University of Kansas. Dr. Wilson always envisioned celebrating his 70th birthday with a reunion of his students and colleagues from throughout his career and was able to enjoy this birthday wish on the weekend of September 11-12, 2009.

On Friday, Sept. 11, a symposium focusing on analytical chemistry was held at Nichol’s Hall on KU’s west campus. Hosted by Departments of Chemistry and Pharmaceutical Chemistry and by the Adams Institute, the symposium included ten speakers from all over the U.S, France

and Japan, including his first graduate student and his last. Beginning his career in the Chemistry Department at the University of Arizona (UA), Dr. Wilson has mentored students both at UA and KU over a forty year span.

Following the symposium, a reception dinner, attended by out-of-town guests and KU faculty, was held at the Adams Alumni Center on KU’s main campus. Everyone was given a chance to share memories and

to thank their valued mentor and colleague, George Wilson. Dr. Wilson was honored with a pair of signed tennis shoes (a humorous, yet appropriate, accolade from his former students).

An informal brunch on Saturday at KU allowed time for guests to unwind and “roast” the man of the hour. Dr. Wilson and his wife, Bev, then welcomed everyone to their home for dinner that evening.

For everyone in attendance, it was a wonderful, albeit brief, weekend spent with old and new friends. George Wilson’s 70th birthday celebration was as he envisioned—a once in a lifetime reunion spent with a “family” built around his distinguished forty-year career.



LEFT: Three Japanese guests, Dr. Norio Matsumoto, Professor Kenji Kano and Dr. Mikito Yasuzawa, take a moment to sign the commemorative tennis shoes presented to Dr. Wilson.

TOP: Group of Dr. Wilson’s former University of Arizona students share memories and “roast” the man of the hour.

RIGHT: George and Bev Wilson enjoy the reception dinner on Friday evening.



Chemistry Degrees Granted 2007-2009

BA

Keith Abercrombie
Jawad Ahmad
Laura Albers
Patricia Barker
Daniel Belz
Charles Black
Luke Bolton
Robert Boyle
Max Brinkman
Matthew Brown
Erik Broxterman
Aunya Cameron
Cassidy Carroll
Michael Dunlap
Lance Eighme
William Farrar
James Fitzsimmons
Thomas Fritzlen
Sumandeep Gill
Kristin Grover
Herbert Hartman
Jay Hewitt
Bradley Hopkins
Daniel Housholder
Angelika Howard
Prasad Jayaraman
Aaron Jones
Sam Kaplan
Soo Kim

Nicholas Knapp
Gregory Landes
Angela Leiker
Kristen Lichtenauer
Carlos Medina
Maggie Murphy
Donald Nevin
Quoc Thang Nguyen
Jerry Old
Maheen Rehman
Morgan Shirley
Robert Sourk
Patrick Sullivan
Stephen Tkach
Krystina Tongson
Quynh Tran
Brian Turrel
Linley Watson
Gordon Whittaker
James Wood

BS

Frederik Bachhuber
Jonas Bloedt
Ian Bowen
Christopher Conti
Nicholas Faunce
Zachariah Fellers
Sven Peter Fritz

Stephanie Hill
Kathleen Hogan
Sunhwan Jo
Gwyndolyn Jones
Jong Kim
Georgia Leake
Christopher Lee
Domenick Leto
Rodney Lovett
Ming Lui
Larry Moore
Timothy Quincy
Jacqueline Timmons
Gideon VanRietten
Christina Vizcarra
Kelly Volp
Loretta Vorse
Katherine Wiley
Joshua Woods
Walter Woronick
Kyle Young

MS

Briana Barron
Wanda Dickenson
Francis McNamara
Ranjitha Venkataramani

PhD

Aileen Alontaga
Dale Arrington
David Banks
Elizabeth Cope
Eric Crick
Dilusha Dalpathado
Stephan Deplazes
Nicholas Dickenson
John Hershberger
Geetha Hewawasam
Md Hoque
Janet Irungu
Maria Jimenez-Cruz
Tiffany Maher
Stephen Minor
Katie Mitchell-Koch
Paula Morehouse
Joseph Nguyen
Kristin Price
Timothy Reed
William Sherrill
Kenneth Stensrud
Joshua Waetzig
An Wang
Chao Wang
Mangala Waulagala Liyanage
Alan Whitehead
Kristin Woo
Ying Zhang



**Congratulations
to all of our
recent graduates!**

For more information about
KU's COMMENCEMENT visit
<http://www.commencement.ku.edu/>



Student Awards & Scholarships 2008-2009

All awards and scholarships are presented to the recipients at the annual Chemistry Department Awards Presentation and Honors Reception held every May at the Adams Alumni Center. Donations to the KU Endowment Association make these awards possible. To our graduates and friends who made contributions this year, thank you for showing your support for the Chemistry Department at the University of Kansas and the quality of the educational experience we continue to provide.

.....
UNDERGRADUATE AWARDS & SCHOLARSHIPS

Book Awards**General Chemistry**
students with outstanding records

John A. Arce (2009)
Erin E. Diel (2009)
Joel T. Finney (2009)
Megan Godsey (2009)
Keri B. Kenning (2009)
Morgan T. Maxon (2009)
Andrew R. Dick (2008)
Claire E. Hinrichsen (2008)
Stacey R. Kraus (2008)
Joseph A. Moore (2008)
Jareb T. Stallbaumer (2008)
Chantz P. Thomas (2008)

Organic Chemistry
superior achievement

Anna H. Diec (2009)
Zachary A. Macchi (2009)
Daniel B. Sisk (2009)
Jareb T. Stallbaumer (2009)
Rebecca M. Getman (2008)
Nathan J. Locke (2008)
Sheila Shaun Tsau (2008)
Douglas J. Zimmerman (2008)

Analytical Chemistry
superior achievement

Rebecca M. Getman (2009)
Jessica K. Carlyle (2008)

Physical Chemistry
superior achievement

Kyla N. Velaer—*One Semester Course*
(2009)
Rebecca M. Getman—*Two Semester Course*
(2009)
Stephanie A. Hill (2008)

The Owen W. Maloney Scholarship
superior performance in General Chemistry by a chemistry major

Jordan B. Marks (2009)
Sara B. Warth (2009)
Jing Z. Jian (2008)
Mary R. Sheldon (2008)

The Walter Gubar Scholarship*outstanding performance by a first-year chemistry major*

Laura Ann Draxler (2009)
Brittany R. Love (2009)
Gwyndolyn N. Jones (2008)
Sarrah-Valentina Klimberg (2008)

The Clark E. Bricker Scholarship*outstanding performance by a chemistry major*

Casey E. Gee (2009)
Varsha Desai (2009)
Mary Sheldon (2009)
Stephanie A. Hill (2008)

The Clark E. & Ann Bricker Scholarship*outstanding performance by a second-year chemistry major*

Casey E. Gee (2008)
Rebecca M. Getman (2008)
Justin T. Moyers (2008)

The Reynold T. Iwamoto Scholarship*scholarship based on academic performance*

Rosemary L. Bayless (2009)
Bryn C. DeKosky (2008)

The Keith and Dona Darlington Award*award for undergraduate research*

Jamie L. Wenke (2009)

The Jacob Kleinberg Award*chemistry major who has made outstanding progress in research prior to the end of his/her third year*

Sarrah-Valentina Klimberg (2009)
Christopher E. Smith (2008)

The Fassnacht Scholarship

Justin T. Moyers (2009)
Katherine E. Wiley (2008)

The Adrienne Hiscox Mitchell Scholarship*scholarship to an outstanding female undergraduate student*

Jing Jian (2009)
Jamie L. Wenke (2008)

The Leonard V. Sorg Scholarship*Scholarship to a student completing their first year at KU and who is planning a career in the field of chemistry*

Dongxu Li (2009)

The Franklin Strain Award*award to undergraduate chemistry major based on merit*

Megan A. Fowler (2008)

The K. Barbara Schowen Undergraduate Chemistry Scholarship*scholarship awarded to a deserving undergraduate*

Rebecca M. Getman (2009)

The Snyder Award*awarded to an undergraduate student of considerable promise*

Peter A. Ross (2009)

The Seo Research Award*awarded to an undergraduate for exemplary scholarship and research in analytical chemistry*

Martin E. Jacques (2009)
Derek T. Jensen (2009)
Ben Kurth (2009)
Alan J. Schurle (2009)
Casey E. Gee (2008)
Jamie L. Wenke (2008)

American Institute of Chemists Award*(National Award)*

Katherine E. Wiley (2009)
Ian R. Bowen (2008)

Student Awards & Scholarships 2008-2009 (Cont.)

(undergraduate awards cont.)

Alpha Chi Sigma Awards

outstanding graduating seniors in chemistry and chemical engineering

Stephanie A. Hill—*Chemistry* (2009)
 Ryan J. Ellis—*Chemical Engineering* (2009)
 Kelly A. Volp—*Chemistry* (2009)
 Kaitlyn D. Kelly—*Chemical Engineering* (2009)

KU ACS Section Outstanding Graduating Senior

Stephanie A. Hill (2009)
 Kelly A. Volp—*Awardee* (2008)
 Ian R. Bowen —*Honorable Mention* (2008)

GRADUATE AWARDS & SCHOLARSHIPS

The Frank B. Dains Award

outstanding first-year teaching assistant

John J. Meyers, Jr. (2009)
 Brad M. Neal (2008)

The H.P. Cady Scholarship

excellent performance by first-year graduate student

Joseph E. Banning (2009)
 Christina M. Edwards (2009)
 Susanthi Jayasinghe (2008)

The Ray Q. Brewster Award

advanced graduate teaching award

W. Matthew Sherrill (2009)
 Thiwanika Samarakoon (2008)

The Phillips Petroleum Award

scholarship to an outstanding female undergraduate or graduate student

Megan K. Dorris (2009)

The Ralph E. and Esther Weik Badgley Scholarship

scholarship to an outstanding female undergraduate or graduate student

Megan A. Culpepper (2009)
 Chamani Perera (2008)

The Thomas A. Milne Scholarship

scholarship for women earning their Ph.D. in Chemistry for a subsequent career in teaching and research

Mary E. Krause (2009)

The Reynold T. Iwamoto Scholarship

award based on academic performance

Antonio Recio III (2009)
 W. Matthew Sherrill (2008)

Kenneth and Gertrude Marsi Scholarship

superior academic performance by an advanced graduate student

Robert A. Geiger (2009)
 Andrea N. Ortiz (2009)
 Philip W. Livanec (2008)

McCullum Research Scholarship

research scholarship to outstanding advanced graduate students

Daniel F. Clark (2009)
 Matthew S. DeVore (2009)
 Kyu Ok Jeon (2009)
 Jimmie D. Weaver (2009)
 John C. Hershberger (2008)
 Kristin E. Price (2008)
 Sang-Kil Son (2008)
 Chao Wang (2008)

Pfizer Scholarship

superior academic performance and research accomplishments by doctoral student in bioanalytical chemistry

Carrie L. Woodin (2008)

The Frank B. Dains Award in Organic Chemistry

superior academic performance and research accomplishments by an advanced doctoral student

W. Matthew Sherrill (2009)
 Joshua D. Waetzig (2008)

The J.K. Lee Award in Analytical Chemistry

superior academic performance and research accomplishments by an advanced doctoral student

Philip W. Livanec (2009)
 Nicholas E. Dickenson (2008)

The Ernest and Marvel Griswold Award in Inorganic Chemistry

awarded to an outstanding advanced graduate student in inorganic chemistry

David M. McGinnis (2009)

The Paul and Helen Gilles Award in Physical Chemistry

award for superior academic performance and research accomplishments by an advanced doctoral student

Pablo Palafox-Hernandez (2009)

The Higuchi Doctoral Progress Award

superior post-comprehensive student(s) in his or her final year

Sang-Kill Son (2009)
 Katie R. Mitchell-Koch (2008)
 Kenneth F. Stensrud (2008)

The Snyder Award

graduate student of considerable promise

Christopher D. Thomas (2008)
 Jimmie D. Weaver (2008)

Kuwana Graduate Scholarship

scholarship to graduate student based on merit and need

Melinda L. Toumi (2009)

The Adrienne Hiscox Mitchell Scholarship

scholarship to an outstanding female undergraduate or graduate student

Tiffany R. Maher (2008)

The Charles and Beatrice Kulier Scholarship

scholarship for a graduate student in chemistry

Saroja K. Weeratunga (2009)

Chemistry Contributors 2008-2009

We are thankful to our donors, whose generosity help current and future generations succeed in KU's Chemistry program. Every effort has been made to ensure the accuracy of the following list. Please contact Liz Christian (785-864-4333; elizabethm@ku.edu) for any errors or omissions.

A

Mr. Anton Ahrens
 Mrs. Susan Ahrens
 Dr. Loren Albin
 Mrs. Pamela Albin
 Dr. Gregory Anderson
 Dr. Phillip Athey

B

Dr. Kyle Beran
 Dr. C. Grant Birch
 Dr. C. LeRoy Blank
 Ms. J. Diane Blank
 Dr. Kenneth Boyer
 Dr. Charles Bradley
 Mr. Larry Brey
 Ms. Anna W. Bricker
 Mr. Robert Brown, Jr.

C

Dr. Elizabeth Campbell
 Dr. Richard Carman
 Dr. C. Clair Claiborne
 Ms. Patricia Claiborne
 Dr. Sheldon Cohen
 Mrs. Virginia Cohen
 Dr. Keith Combrink
 Ms. Margot Cortes

D

Dr. Muriel Dahlgard
 Dr. Gerald Davis
 Mrs. Marilyn Davis
 Dr. Marvin Dettloff
 Mrs. Mary Dettloff
 Mr. Robert Dilts

E

Dr. Kamal Egodage
 Ms. Jo Eleanor Elliott
 Dr. Frederick Ewald, Jr.
 Mrs. Jayne Ewald

F

Dr. Floyd Farha, Jr.

G

Mr. Craig Garrison
 Mr. Kent Gates
 Dr. James Godwin
 Mr. Judson Goodrich
 Dr. Norman Griswold
 Mrs. Ruth Griswold
 Dr. Stephen Griswold
 Dr. Janet Gulbis

H

Mr. James Hanson
 Mrs. Mary Hanson
 Dr. Andrew Harned
 Mrs. Laurie Harned
 Mr. Stephen Heideman
 Ms. Lois Hiltibran
 Dr. Jinyang Hong
 Mrs. Qifang Hong
 Dr. Frederick Horne
 Mrs. Clara Horne
 Dr. Joe Hudman
 Mrs. Karen Hudman
 Dr. Su-Er Wu Huskey
 Dr. William Huskey
 Dr. Dorothy Hwang
 Mr. Emilian Hwang

J

Ms. Mary Ann Jones

K

Dr. L. D. Kershner
 Mrs. Marilyn Kershner
 Dr. Warren Knarr
 Mrs. Donnetta Knarr
 Dr. Charles Kulier
 Mrs. Beatrice Kulier

L

Dr. B. B. Lampert
 Mrs. Helen Lampert
 Dr. Cynthia Larive
 Mr. James Larive
 Dr. Thomas Layloff, Jr.
 Dr. Nathan Lerner
 Mrs. Pam Lerner
 Dr. Rong Li
 Dr. Yola Yueh-O Liang
 Dr. Ming-Biann Liu
 Mrs. Kathy Lohse
 Dr. Robert Lohse, Jr.

M

Dr. W. L. Magnuson
 Mrs. Ellie Magnuson
 Dr. Charles Manning
 Dr. David Mathewes, Jr.
 Mrs. Margaret Mathewes
 Ms. Mary McMechan
 Dr. William McMahan, Jr.
 Mr. James Merchant
 Ms. Victoria Merchant
 Mr. Charles Milne
 Dr. John Minor
 Dr. Bitu Moghaddam
 Mr. Joseph Moon
 Ms. Patti Morgan
 Dr. Dennis Morrell

N

Dr. Douglas Neckers
 Mrs. Suzanne Neckers
 Ms. Janet Nuse

P

Dr. Lucien Papouchado
 Dr. Chang Park
 Ms. Kathleen Powell

R

Mrs. Virginia Rawlings
 Dr. Jesse Reinstein
 Dr. Kevin Ruff
 Mrs. Tara Ruff

S

Dr. Umashanker Sampath
 Dr. Barbara Schowen
 Dr. Richard Schowen
 Mrs. Nancy Schuetz
 Dr. Perry Schuetz
 Dr. Stephen Sieck
 Mr. Clifford Smith
 Ms. Janie Hamm Snider
 Dr. Julie Stenken

T

Mrs. Marilyn Tamsky
 Dr. Morgan Tamsky
 Dr. Martin Tessler

V

Dr. Richard VanScoy
 Mr. Madabushi Venkatraman

W

Mr. Duane Weisshaar
 Ms. Christina Wells
 Ms. Rosamond Wilen
 Mrs. Emily Williams
 Dr. Robert Williams
 Mr. Keith Wilner

Y

Dr. Paulos Yohannes

Z

Dr. Min Zhong
 Dr. John Zimmerman
 Mrs. Margaret Zimmerman

ATTENTION ALUMNI:

Please take a moment to send the KU Chemistry Department your updated information, story ideas and photos.

Send your name (while attending KU and current name), years of attendance, degree earned and year, name of faculty advisor, current address, email, phone number and any personal updates to Liz Christian (see below).

Please also send photos and story ideas by e-mail (elizabethm@ku.edu) or by mail to:

Liz Christian
 Chemistry Department
 1251 Wescoe Hall Dr., Room 2010C
 The University of Kansas
 Lawrence, KS 66045



Jayhawk Chemist

DEPARTMENT OF CHEMISTRY

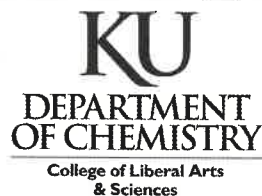
Malott Hall • 1251 Wescoe Hall Drive, Room 2010

The University of Kansas • Lawrence, KS 66045

Your gift to KU Chemistry makes a difference!

The Chemistry Department deeply appreciates the generous financial support of our friends and alumni. Every gift will be used in its entirety as designated by the donor to benefit our department. Gifts are tax-deductible to the extent allowed by law. The KU Endowment Association (KUEA) maintains the general Chemistry fund, fellowships and scholarships on behalf of Chemistry. For more specific details on contributing to Chemistry funds, please contact KU Endowment (1-800-444-4201, www.kuendowment.org).

The Chemistry Department wishes to thank the KU Alumni Association and the KU Endowment Association for their many efforts on behalf of KU Chemistry, the College of Liberal Arts & Sciences and the University.



Gift Information

I/we would like to make a gift of:

\$ _____ In support of the Chemistry Development Fund

\$ _____ Other _____

Gift is from:

Name _____

Address _____

Preferred email _____

Area code + home phone number _____

Giving Options

• Please make checks payable to: **KU Endowment**

• Check the appropriate credit card:

MasterCard Visa Discover Am.Exp.

Credit Card # _____

Exp. Date _____ - _____

Signature _____

• Give securely online: www.kuendowment.org/givenow

Matching Gift

Company _____

Spouse Company _____

Form enclosed Other procedure initiated

Your gift to KUEA can be enhanced through employer matching gift programs. Contact your personnel office to find out if your employer will match your gift, or call KUEA's Matching Gift Help Line at 1-888-653-6111.

Detach & Mail to:

KU Endowment
The University of Kansas
P.O. BOX 928
Lawrence, KS 66044-0928
1-800-444-4201

100% of your gift will be used to benefit the area of your choice at the University of Kansas.