

# Brigham Young University Chemigram

A newsletter for Brigham Young University Chemistry Alumni  
June 2003

Department of Chemistry and Biochemistry, C100 BNSN, Provo, Utah, 84602  
Visit our website at <http://chemwww.byu.edu>

## Chair's Message

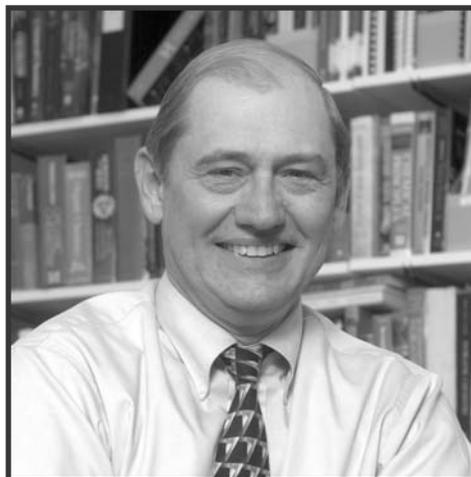
This issue of the Chemigram is to bring you up-to-date on faculty, staff, students and alumni. A lot of things haven't changed much around the Chemistry Department. Fondly remembered courses such as Chem 111, Chem 112, Chem 351 and Chem 352 have been around for decades. (However the content of these courses may have changed significantly.) The organic chemistry lab smells about the same as always. Nevertheless, in some other ways you, our alumni and friends, might have trouble recognizing us. In 1995, we moved from the three separate locations on campus, the Eyring Science Center, the Fletcher Building and the 6th floor of Widstoe into the newly constructed Ezra Taft Benson Science Building. The move seems like only yesterday, but as it now stands, half of our faculty and half of our staff members have worked only in our present facility. Fully one-half of our permanent employees have joined the department within the last eight years. We think these changes are exciting and build on the strong foundation of the past.

We now have more than 400 undergraduate majors in the department. As a group majors who leave our doors have excelled at BYU and also excel in their chosen paths. I hope you will agree because I am talking about you! You are the reason that BYU has built the Benson Science Building and the reason that faculty and staff members come to work.

We like to hear from you. Tell us where you are and what you are doing. What experiences made a difference in your undergraduate education? Your responses from the last Chemigram are collected in the Alumni corner. We also

hope you can drop in when you happen to be in Provo. And you are invited to visit during BYU's Homecoming next October. This issue of the Chemigram will bring you to date on new faces and happenings.

In surveys among recent graduates, we find that more than 80% have participated in a research project with a faculty member and that 89% of this group considered the opportunity to be an important experience. In the words of a recent graduate, "Best experience of my undergraduate education. The lab experience really reinforces class material. All undergraduates should get involved if they can." We would like all our majors to have this experience. If you would like to help please see David Bonner's article in this Chemigram. Financial contributions from many of you have proved a great benefit to our students and our programs. We thank you for past and future support.



*Fran Nordmeyer, Chair*

# Chemistry Department Alumni Homecoming Activities

During the BYU Homecoming weekend (October 18th and 19th, 2002), the Department of Chemistry and Biochemistry hosted the second annual alumni get-together. An open house and mixer was held on Friday afternoon, which included a slide show presentation about the Department by Scott Zimmerman (Biochemistry Professor), a tour of the Benson Building by Fran Nordmeyer (Department Chair), and a magic show by Steven Wood (Freshman Class Coordinator). Following a University-wide faculty and alumni barbeque on Brigham Square, Chemistry alumni, faculty, and friends met together for refreshments and to hear Bevan Ott present a lecture entitled "Counting Calories at BYU." The Homecoming Parade began at 10:00 a.m. on Saturday. Alumni and faculty gathered together again at noon for a luncheon in the "fishbowl," an area in the Benson Building that doubles for a student study area and for periodic Department social functions. It was obvious that everyone who attended enjoyed meeting old friends, renewing acquaintances, seeing the progress of the Department, and eating good food (without counting calories!). The only unpleasant activity of the weekend was watching BYU lose the football game to UNLV! Next Fall, we plan to change the format of our alumni activities by having a dinner and lecture on Friday evening, instead of holding the luncheon on Saturday before the football game. We encourage everyone to plan now to join us!

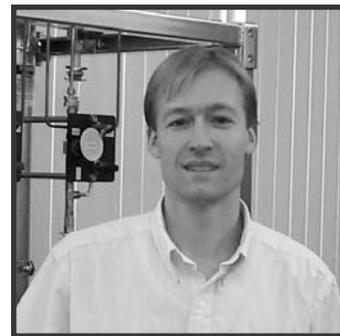
## New Faculty

**Greg Burton**, formerly an Associate Professor in the Department of Microbiology and Molecular Biology joined us in September 2002. He received his undergraduate degrees from the University of Utah majoring in Mathematics and in Medical Technology. After graduating, he worked in industry for Hyland Laboratories, a subdivision of Baxter-Travenol where he was involved in Blood Bank Reagent Research. He left industry to do graduate work and received his M.S. degree from BYU and his doctorate from the Medical College of Virginia. He and his wife, Ann, are the parents of two teenaged daughters. His research interests surround the molecular and cellular interactions between HIV and a specialized immune system cell, the follicular dendritic cell, as they pertain to HIV/AIDS pathogenesis. Greg enjoys spending time with his family, fly fishing, and camping in his spare time.



**Steven Castle** came to the department from a postdoctoral position at the University of California, Irvine. He received his Ph.D. in Chemistry from The Scripps Research Institute in La Jolla, California. Steven is an organic chemist with research interests in

developing synthetic methodology and the total synthesis of natural products. For those of you who were at BYU between 1970 and 1981, yes, Steve is a relative of the other Castle. Steven is Raymond Castle's grandson. Organic chemistry is in his genes. Steve married Trina Wendelboe in April 1994; they are the parents of three children: Miriam (5), Wesley (2), and Justin (born 1/17/03). His favorite hobby is surfing, although he has not been able to pursue it very often since moving to Utah. His other hobbies include mountain biking, waterskiing, cross-country skiing, and hiking.



**Heidi Vollmer-Snarr** came to BYU from a post doctoral position at Columbia University.



She also completed a short post doctoral at the Sloan-Kettering Cancer Center. Heidi received her D.Phil. (Ph.D.) in Organic Chemistry from the University of Oxford and a B.A. in German and B.S. in Chemistry from the University of Utah. Heidi is an organic chemist with biomedical research interests. She is studying DNA damage as it

applies to vision. A native of Pittsburgh, Pennsylvania, Heidi spent most of her life in competitive figure skating and speed skating and has lived in Eagan, Minnesota, Lake Placid, NY and Salt Lake City, UT for training. She has also lived in Boulder and Steamboat Springs, CO; Jackson, WY; Salzburg, Austria; Kiel, Germany and Oxford, England. Heidi was married to Trent Snarr last September in the Salt Lake temple. They share many common interests including, skiing, traveling, running, skating, hiking and most other outdoor activities.

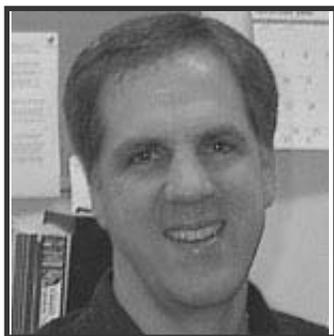
**Craig Thulin**, new to the department faculty, is not new to the department. From 1997 to 2000 Craig worked as a Postdoctoral Fellow, and from 2000 until 2002 as a Research Associate, with Dr. Barry Willardson. His first postdoctoral position was at the Vollum Institute for Advanced Biomedical Research, in Portland, Oregon. Craig received his Ph.D. in Biochemistry from the University of Washington, and his B.A. in Cell Biology from the University of Utah (his blood runs both red and blue). Craig is a protein biochemist who applies the methods of protein mass spectrometry to biomedical research problems. His favorite pastime is words; reading them, writing them, and tinkering with them. As a hobby, he does hand-book-



binding (places to keep words), and tries to keep his family's milk goats happy. Craig is married to Shauna Steele Thulin, and they are blessed with three children: Sarah, age 10, Anna, age 6, and David, age 4. All the Thulin's enjoy doing and seeing artwork, listening to folk music, and spending time together.

## Visiting Faculty

**Scott A. Strobel** spent winter semester of his year long sabbatical leave from Yale University in our department. Scott was born



in Bozeman Montana and came back to BYU to teach a Biochemistry course and to give his three children an opportunity to spend some significant time in the West. He particularly wanted them to learn to ski, though he also regularly found his own way up to the slopes. Scott graduated from BYU in 1987 with a B.S. in Biochemistry. He continued

his scientific training in each of the C states in alphabetical order from West to East. He received his Ph.D. in Biological Chemistry at the California Institute of Technology, completed postdoctoral training at the University of Colorado at Boulder and began his independent faculty position at Yale University (Connecticut) in 1995. He was promoted to the rank of professor in 2001. From 1997 to 2002 he was bishop of the New Haven student ward. Scott's research focuses on catalytic RNAs or ribozymes including self-splicing introns and the peptidyl transferase center of the ribosome.

## New Staff

**Casey Harris** has joined our department as the Assistant Manager of the Chemistry Central Stockroom. Casey was born in American Fork, Utah, but attended and graduated from high school in Reading, PA. He served an LDS mission in Lisbon, Portugal, and graduated in 2002 from BYU with a B.A. in Chemistry. He enjoys building his 80's music collection, reading, and watching movies. He is married to the former Laura Didenhover of Spokane, WA, who is currently pursuing her M.S. degree in molecular biology from BYU



and whom he met while working in the stockroom as a student (!). He has applied to law school and will start studies in the fall to specialize in intellectual properties.

**Gypzy LindH** has taken over as the Stockroom Manager in the Chemistry Central Stockroom replacing Ivan Cook when he retired last March. Gypzy has returned to BYU after a few years

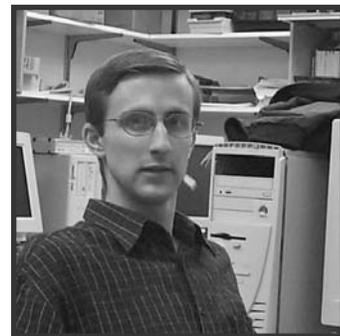
in Arizona and Hawaii. She was at BYU-HI as their Science Storeroom Manager, and at University of Hawaii-Manoa where she was their Chemistry Stockroom Manager. At both places she renovated the stockrooms and several labs. Naturally, she is renovating the stockrooms here. Before going to Hawaii, Gypzy worked with Dr. Reed Izatt while getting her degree in geology. In her spare time, she enjoys hiking, traveling, painting and reading. Her home in Springville keeps her busy with the wild birds and gardens.



**Nancy Thornley** is the Support Services Supervisor in the Business Office. She was born in Los Angeles, California and grew up living in several places in California and Nevada. She has worked in accounting for many years, including positions at accounting firms in California, Nevada and Utah as well as other departments here at BYU, and she has also worked as a real estate agent. She is married to Russell Thornley and they are the parents of 6 daughters; the oldest just turned 16 and the youngest will turn 5 this month. They have lived in Utah for 8 years. In her spare time, Nancy enjoys cooking (her specialties are Greek, Italian, Mexican and some specialty desserts), cake decorating, singing, piano, guitar, crocheting and occasionally sewing.



**Michael Torrie** joined our computer support staff in May 2002. He is originally from Alberta, Canada and served a mission in the Utah, Salt Lake City Mission, so he considers himself a Utah native. In 2001 he graduated from BYU with a Bachelors Degree in Computer Science. He supported himself in college by driving heavy equipment during the summers in Alberta. After working for Computer Science for a year following his graduation, we hired him as a full time Assistant CSR, working with Robert Paxman in our department. In his spare time, he enjoys mountain biking and an occasional hiking trip to Southern Utah. Being a mechanically inclined person, he is fascinated by all things mechanical and aeronautical. In his spare time he works on minor "open source" software development. He is a great support person for our staff and faculty.



## Professional Development Leave

**John F. Cannon** spent six months from late January to late July 2002 working with Dr. Ward Robinson at the University of Canterbury in Christchurch, New Zealand. Dr. Robinson is an expert in small-molecule structure determination by X-ray diffraction. John is returning to the study of small-molecule structure determination after an absence of about 30 years. This professional development leave with Dr. Robinson provided him with valuable experience in this field. The X-ray laboratory at the University of Canterbury receives crystals



from several universities in New Zealand as well as from Australia and Indonesia. So John was able to solve five or six structures a week during the bulk of his stay. Most of these structures were organic molecules and organometallic complex structures. Now that he is back at BYU, John is working on these same kinds of molecules that are being synthesized by his colleagues in the department here and at Texas Tech. John was accompanied by his wife, Shari, a watercolor artist. They stayed in an apartment overlooking an estuary inhabited by ducks, gulls, skuas, herons, godwits, shags, and spoonbills. New Zealand abounds with wonderful sites suitable for watercolorists. Shari took advantage of this as she turned out a number of nice watercolor paintings which can be seen at [www.kittypaint.com](http://www.kittypaint.com). John and Shari also took the opportunity to explore quite a bit of the south island and managed one time to get up to the north island to see Auckland and to visit the Church College of New Zealand, the New Zealand Temple and Visitor's Center, and the mostly LDS community adjacent to the temple and college site.

## Retirements

**David A. Berges** retired after seven years as a member of our department. Dave taught mostly our pre-med and organic chemistry courses and served as a member of the university's Pre dental Committee. He served in the department as a member



of our Computer Committee and the Teaching and Curriculum Committee, and was our Library Coordinator. He left the university to devote full-time to working on genealogy, to spend time with his grandchildren, and to complete several research projects. He and his wife are looking forward to serving as missionaries in the near future.

**Ivan B. Cook** retired from the Department after having provided devoted service to the University for more than 41-years. His many years of experience in operating our chemistry stockroom were invaluable in providing the supplies necessary to meet the university's research and academic needs. Ivan began his career with the responsibility of lecture preparations later adding the jobs of inorganic and organic stockroom manager. For the past 10-years he has been the Chemistry Central Stockroom manager. In this position, Ivan provided service to the entire university community by efficiently operating the stockroom. During his career, Ivan provided superb service to the university. His initiatives improved the research capabilities of the department and increased the effectiveness of the faculty members. His dedication to his job was often overlooked because of the quiet manner in which he performed his duties. His consistent improvements in the stockroom are a strong testimony of his committed leadership. He will be greatly missed.



## University Awards

**Juliana Boerio-Goates** received the BYU Phi Kappa Phi Award for her contributions in citizenship, teaching and research.

**David V. Dearden** received a BYU Alcuin Award for his contributions to general education and honors.

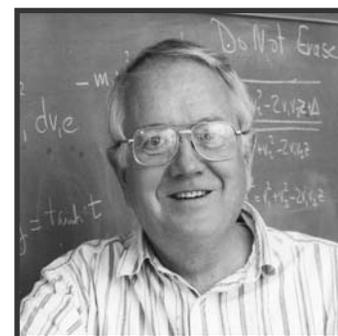
**Barbara C. Hinshaw** received the BYU Annual Safety Award.

**Daniel L. Simmons** received a BYU Karl G. Maeser Research and Creative Works Award.

**Brian F. Woodfield** received a BYU Young Scholar Award, the 2002 Calorimetry Conference Stig Sunner Memorial Award, and the ORCA Creative Works Annual Recognition Award. The Byu ORCA award recognizes the creation and development of the Virtual Chem Lab and other contributions.

## Special Recognitions

**Douglas Henderson**, a research professor in the Department of Chemistry and Biochemistry, was notified this year that a paper written by him and published in 1975 had been selected as one of the classic papers appearing in "Molecular Physics." To celebrate the publication of its 100th volume, the editors selected 18 papers that have



appeared in "Molecular Physics" over the past 43 years. Henderson's paper, "The Ornstein-Zernike equation for a fluid in contact with a surface," was included.

**Delbert J. Eatough** was elected Chair Elect of the Air and Waste Management Association.

## Research Highlights

**Professor Dan Simmons** has identified the enzyme that is inhibited by acetaminophen—the drug behind "aspirin-free" pain relievers like Tylenol. For decades, millions of physicians have advised their patients to take acetaminophen without understanding how or why the popular medicine works. Understanding the specific mechanisms that cause pain is integral to developing more powerful pain relievers.

Dr. Simmons reported his discovery in the prestigious journal, *Proceedings of the National Academy of Sciences*. Papers submitted to PNAS can be "nominated" by members of the National Academy of Sciences and Nobel Prize winner Sir John Vane endorsed Simmons' new article. In a review of this study to be published in PNAS, scientists Timothy D. Warner and Jane A. Mitchell of the William Harvey Research Institute and Britain's National Heart & Lung Institute, respectively, comment on the centuries-old effort to understand how aspirin-like drugs work. They write, "In terms of our 3,500-year quest to understand the mechanism of action of non-steroidal anti-inflammatory drugs, Dan Simmons' group has provided another significant step forward."

Assisting Dr. Simmons on the study were biochemistry professor Terry Elton; postdoctoral fellow N. V. Chandrasekharan; graduate students Hu Dai and K. Lamar Turepu Roos; and undergraduates Nathan K. Evanson and Joshua Tomsik.

**Professor Brian Woodfield** has continued to develop his virtual chemistry software that allows students to mix potent chemical cocktails on their computers without worrying about burning down the laboratory. Currently, students in more than 20 colleges and universities in the United States and Canada use his software, Virtual ChemLab, as part of their coursework.

"Because of cost and time restraints, most students are forced to spend lab time simply following detailed instructions to obtain the desired results," said Woodfield. "They don't often have the time to experiment freely."

Virtual ChemLab includes all the amenities of a real laboratory setting, from Bunsen burners and C-clamps to limitless supplies of calcium, magnesium and expensive or hazardous substances to which students usually have infrequent access. With the click of a mouse students can set up, conduct experiments and view results. More than 2,500 pictures, 300 video clips and numerous animations help illustrate the outcome of each chemi-

cal combination or experiment—even if it proves disastrous.

Melissa Moore, a BYU graduate student in instructional psychology and technology, helped design the program and oversaw undergraduate BYU chemistry students as they tested the simulations.

The simulations, which Woodfield says have increased student performance in BYU organic chemistry labs by 30 percent, have also been implemented in high schools. Steven Haderlie, a chemistry teacher of 25 years, introduced the program at Springville High School and has been impressed with the results. "It can help illustrate concepts that are difficult for students to visualize on the board -it really helps with understanding," said Haderlie.

Dr. Woodfield came up with the concept for Virtual ChemLab as a graduate student at the University of California, Berkeley. He used a \$50,000 grant from BYU and a \$280,000 grant from the Department of Education to fund the project.

Four out of an eventual six laboratories are complete and work has begun on the fifth. The finished collection will include simulations for inorganic qualitative analysis, fundamental experiments and quantum chemistry, gas properties, titrations, calorimetry and organic chemistry.



## Student Awards

### Undergraduate Student Awards

*Service Award* - Trisha Anderson  
*Outstanding Freshman Non-major* - Eric Barker  
*Organic Chemistry* - Jeffrey Boyer  
*Outstanding Freshman Major* - Scott R. Bruce  
*Catalyst Club* - Jennifer Campbell  
*Chemistry Tech Writing* - Krysten Crawford  
*Biochemistry* - Nathan Evanson  
*Outstanding Senior* - Thomas Lowery  
*ACS Analytical Jr.* - Christopher F. Monson  
*Outstanding Senior* - Lars Nielsen  
*Analytical* - Rebecca Vanwagoner Nielson  
*Physical* - Joshua Price  
*Inorganic* - Rebecca Stanley

**Glenda L. M. Harr Undergraduate Research Award** –  
Dana Smith (John Lamb, faculty mentor)

**James A. & Virginia S. Ott Undergraduate Research Award** –  
Shanaun Darbi Hughes (Adam Woolley)

### Graduate Student Awards

**Stanley & Leona Goates Fellowship** –  
Jikun Liu (Milton Lee)  
Allison Nelson (Adam Woolley)

### Graduate Studies Internships –

Ryan Kelly (Adam Woolley)  
Yongsuk Bruce Lee (Barry Willardson)  
Jeff Macedone (Paul Farnsworth)  
David Scoville (Noel Owen)  
Rebecca Stevens (Julie Boerio-Goates)  
Uale Taotafa (Paul Savage)  
Yueying Zhen (Steven Graves)

### Garth L. Lee Award –

Uale Taotafa

### Charles E and Margaret P. Maw Fellowship –

Yansheng Liu (Milton Lee)

### Outstanding Graduating Students –

**M.S.** David Brosnahan

**Ph.D. Biochemistry** Joseph McLaughlin

**Ph.D. Chemistry** Erik Meredith

### Roland K. Robins Fellowships –

R. Todd Bronson (Paul Savage)  
Shu-Ling Lin (Milton Lee)  
Xylophone Victor (Terry Elton)  
Minghong Zhang (Morris Robins)  
Ziniu Zhou (Merritt Andrus)

## Giving Back to the Department of Chemistry and Biochemistry

The Chemistry Department appreciates your generosity in support of our many activities. Donations receive appropriate tax advantages that come from contributing to a qualified public charity. Because of the wide variety of giving tools available, the University Development Office has assembled a staff of professionals to help you satisfy your desire to make a voluntary gift. They will assist you, your attorneys, accountants, financial planners, and other professionals in developing a plan tailored to your particular needs. These services are provided without cost and you can be confident that all conversations, transactions, and dealings are held in the strictest confidence.

Our Development Officer is David Bonner. He can be reached by phone at (801) 422-1691 or (800) 525-8074. His email address is David\_Bonner@byu.edu. David would like to hear from you.

There are several ways to give to the Chemistry Department:

#### Outright Donations

Gifts of Cash, Securities, or Real Estate are always appreciated.

#### Corporate Matching Programs

Many companies will match your gift. Please check with your employer or with David Bonner.

#### Gifts-in-kind

The Chemistry Department welcomes gifts of equipment, tools, hardware, and software.

#### Life Income Charitable Trusts

These trusts provide donors with a lifetime income while also making a deferred gift to the Department.

#### Testamentary Gifts

Many donors choose to make a bequest to the Chemistry Department through their will or trust.

One-hundred percent of your gift goes to the program(s) you designate. If you would like to donate to undergraduate research stipends, your gift can be doubled. Gifts between \$25 and \$5,000 designated “Dean’s Account, College of Physical and Mathematical Sciences” are matched by the President’s Leadership Council. These funds including the match are used to support undergraduate research stipends. You can mail donations for this program to Chair, Department of Chemistry and Biochemistry, C-100 BNSN, Brigham Young University, Provo, UT 84602-5700. We will deposit your donations and the matching funds to our undergraduate research account used to provide wages for students engaged in faculty directed research programs. By sharing your means, you are blessing the lives of students and faculty who, in turn, will bless others.

*You cannot foretell the consequence of a dollar invested in education. It goes on multiplying itself. It becomes not an expenditure but an investment that pays returns far and wide through generations to come*

– Gordon B. Hinckley –  
Chairman, Board of Trustees,  
Brigham Young University

## Alumni Corner

After our last newsletter many of you responded with feedback on our new alumni website and newsletter. It was exciting to hear of your successes. Please continue to share your accomplishments so we can help others know of your achievements. You can email us at [chemigram@chem.byu.edu](mailto:chemigram@chem.byu.edu) or by regular mail at Chemigram, C100 BNSN, Brigham Young University, Provo, UT, 84602.

Some comments from our Alumni are included below:

Great method of communications . . . fast . . . and easy to respond . . . dialog is important . . . two way . . . thanks for asking. I worked with Prof. Bradshaw before he joined BYU and he has been my communications link. Now that he has retired, I have no one to communicate with directly. I know more about the Botany department where my daughter Loreen is a professor than Chemistry.

*N. Lee Allphin*

Feedback on the new distribution method: FANTASTIC. It makes it much easier to keep up with news.

*Angela J. Allison*

This online edition of your Chemigram is most effective. I can find out what I am interested in and get the most up-to-date information. I encourage each faculty member to keep their publication list active, even if they haven't done a lick of publishable research recently. It is of interest to the alumni members. Why not invite alumni, as well, to describe their current activities (perhaps using links)?

How about old stories (many years ago) about BYU experiences involving now retired BYU faculty? For example, I remember Dr. Eliot Butler commenting when improperly addressed by a student, "Please, I am Bro. Butler only on Sundays!" or when addressing Dr. Ab Swensen, then Chairman of the Chemistry Department, "Are you the Department Head? Well, let's go flush it!" Or the refreshing water parties using Nicer buckets and syringes late in the evenings among the graduate students, after the faculty had gone home! This occurred in the third floor organic and biochemistry areas of the Eyring Science Center. These graduate students are now retired faculty. Then there are the stories about perverting the Caroline bells which were housed over forty years ago in the Eyring Science Center. Once, stray cats were utilized to play the keyboard when no one was around. The details of this event were suppressed as if it were heresy.

Seriously, even better would be tales concerning exciting scientific discovery couched within the knowledge current at that day that made it so exciting.

Or, what about making the Chemigram into a continual, growing Web Site, where the information is added upon as time goes, with the new material highlighted in each issue? Alumni could be asked to add to the historical information about the Department. Perhaps use the Chemigram as a vehicle to involve alumni in Department activities. The more involved you allow us the more interested we become and the greater is the desire to participate in assisting the goals of the Department.

I feel that the future of the Chemigram will be bright if available online. It is much more useful than when sent out on paper, only to be lost amongst other papers and eventually thrown away. Keep up the good work.

*Richard G. Jensen, B.A. 1961, Ph.D. 1965*

I'm not sure how this will get to everyone. I was very happy to receive the Chemigram and see photos and be updated on my dear friends-professors at BYU.

I started doing dramatic teaching of chemistry while working as an adjunct at Utah Valley State College, when it was still the community college.

I am now working on my own business as the designer of specialized science curriculum, using many different learning modalities, such as song, dance, dramatization, visuals, tactiles, student response and strong logical, ordered presentation. I have two products, "HOLY MOL-EE! Multi-Mode Chemistry" and "The Krebs Cycle." I am continuing to write and develop products with much success. I have presented at teachers conferences and have sold over 700 copies of HOLY MOL-EE! In addition, I started the Science Songwriters' Association, which now has over 40 members, many of whom write their own science songs. I am very happy doing what I'm doing, and my affection for BYU continues.

*Lynda J. Jones*

Thank you for the email. I found the website reference worked very well for me. Currently, I am not actively involved as a chemist but enjoy reading about some of the former professors and associates that I knew during my undergraduate days at BYU. I now have the website on my favorite Chemistry web site works perfect for me.

*Russ Carruth*

I found the new website very friendly, easy to locate, and informative.

*David Collins*

I appreciate the notification via email when a new issue arrives.

*Jared Hansen*

Thanks for the Chemigram. Please send the next issue. I am sure that all of the staff in the Chemistry Department have retired. I graduated in 1958, a long time ago and have some very good memories of many of my teachers.

*Robert Strang*

Thank you for the recent Chemigram. It is always good to hear about the happenings in the Department. I am now ancient enough to be less than thrilled by spending the hours each day staring into the small screen of a computer. This, however was a pleasant surprise and a quick way to catch up a little. I probably would prefer a hard copy but this IS a fast and easy (not to mention inexpensive) way of keeping in touch. It also got easier to move the pagination around for reading as I got used to it-a small price to pay to find out that one of my classmates, Howard Sandberg, is back spending some time at BYU. THANKS for the opportunity to keep up to date on the Department.

*Charles B. Rose*

## 2003 BYU Homecoming Events

- Homecoming Game, BYU vs. Colorado State, Thursday, Oct 9, 2003
- **Chemistry and Biochemistry Alumni Reception, Dinner, and Program**, Friday, Oct 10, 2003
- Homecoming Spectacular, Friday and Saturday, Oct 10 & 11, 2003 at the Marriott Center

Please mark your calendars and plan to renew your friendships in the department at our reception and dinner Friday, Oct 10. Details and registration will be mailed later.

---

Department of Chemistry and Biochemistry  
Brigham Young University  
C100 Benson Science Building  
PO Box 25700  
Provo, UT 84602-5700

---