

## The Mole Street Journal

Volume 6, Issue 5

### Chemistry Building Rededicated

The department celebrated the renovation of the Chemistry Building with a rededication ceremony, reception and open house Saturday, June 2. The celebration continued with a fish fry at the Gardens.

Construction of the Chemistry Building began in July 1934. The building was dedicated 72 years ago, June 10, 1935.

Renovation of the Chemistry Building began in May 2004. The building is listed on the National Register of Historic Places. The exterior of the building, stairwells and the main hallways remain the same. All interior and exterior doors were reused when possible. All the lights in the hallways are original with the exception of the basement. The brick walls retain the metal trim and the floors are unchanged. Marble was recycled for the counter in the administrative suite. All clock facings are original. A table in the chair's office was made from recycled

wood from a biochemistry lab bench.

The building is now handicapped accessible with access to all floors. The eleva-



Bill Durham in attire similar to that of the 1930s.

tor, which used to be for freight only, is new and features a cork floor. New energy efficient windows were installed. Automatic fire doors were added to all the stairwells and a sprinkler system was

added throughout. Central heat and air systems were added. New furniture was purchased for the entire building.

There is now kitchen and breakroom space in several locations. Bathrooms for both sexes are available on all floors. Staff offices are combined in an administrative suite, complete with new mailroom.

Most of the third floor was renovated for state-of-the-art laboratory space.

To the south of the building a Dewar tank was installed to supply nitrogen to both the Chemistry Building and the Chemistry and Biochemistry Research Building. Modern technology was added to the new auditoriums and classrooms and the building is now equipped with up-to-date wiring.

There are no more exposed pipes in the hallways.

Today the building serves as an example for contemporary restoration of historic architecture.

#### Building Directory

##### Basement

10-11..... Office space  
16 ..... Howard Hughes lab  
12-14 ..... Spec facility  
26..... Brukker FTMS 03-027  
31..... Machine shop  
32..... Liquid nitrogen station  
37-38 ..... VWR  
46..... NMR sample prep room  
47..... Graphics lab  
48-49 ..... X-ray crystallography  
50-51 ..... Facilities

##### 1st Floor

104..... Emeriti office suite  
105..... Conference room  
114..... Chair's office  
119..... Administrative suite  
132..... Auditorium  
133..... Conference room  
142..... ARSC Computer Support  
144..... Auditorium  
145-147 Classrooms

##### 2nd floor

Library and faculty offices  
201..... Conference room  
204..... Electronics shop  
220..... Harrison Hale lounge

##### 3rd floor

302..... Organic lab  
305 ..... Organic instrument suite  
307..... Physical lab servers  
306-308 . Physical chemistry  
313-315 . Instrument rooms  
314..... Chemical storage  
317..... Laser lab  
318..... Cold room  
327..... Media prep room  
324..... Breakroom  
325..... Biochemistry lab  
328..... Lab

## Faculty News

### International Conference Honored Pulay

In June more than 300 physical chemists from across the globe attended a conference to honor **Peter Pulay**. "Molecular Quantum Mechanics - Analytic Gradients and Beyond: An International Conference in Honor of Professor Peter Pulay," was May 29 to June 3 on Margaret Island, Budapest, Hungary.

Conference papers will be published in the journal *Molecular Physics*. The conference was hosted by the Center for Computational Chemistry at the University of Georgia.

For more information on the conference see <http://www.ccc.uga.edu/Pulay/>.

### On the Go

**Bob Gawley** attended the Lakeland Conference on Heterocyclic and Synthetic chemistry, May 10-14, and presented a paper "Highly Stereoselective

[2,3]-Sigmatropic Rearrangements of Unstabilized Nitrogen Ylides," by Robert E. Gawley and Kwangyul Moon.

In Gawley presented "Chiral Organometallics, Synthesis, Dynamics and Applications," at the departments of chemistry at the University of Manchester, the University of Liverpool, and the University of Sheffield.

June 17-20 he will attend the Gordon Research Conference on Mycotoxins and Phycotoxins, in Waterville, Maine.

**Roger Koeppe** spoke at a research symposium celebrating the career and 65th birthday of his Ph.D. mentor, Robert M. Stroud, on June 5 in San Francisco.

**Ryan Tian** gave invited talks in Shanghai and Sichuan, China and Tokyo May 19 to June 5.

### 55th ASMS Conference on Mass Spectrometry

June 3-7, Indianapolis

**Charles Wilkins**, **Rohana Liyanage** and **Jennifer Gidden** attended.

Liyanage presented two posters "Probing Tertiary and Secondary Structure of Bacterial Collagenase Collagen Binding Domain (S3, CBD) and Catalytic Domain (S1) in a multi-domain protein by Limited Proteolysis MALDI TOF MS," by Rohana Liyanage, Sagaya T. Leena, Cynthia R. Sides, Nagarjuna Devarapalli, Jennifer Gidden, Osamu Matsushita, Joshua Sakon, and Jackson O. Lay, Jr.; and "Reducing Fragmentation Observed in the MALDI-TOF MS Analysis of Triacylglycerols in Vegetable Oil," by Jackson O. Lay, Jr., Jennifer Gidden, Rohana Liyanage and Bill Durham.

### International Symposium on Carbanion Chemistry

June 6-10, Madison, WI

**Bob Gawley**, **Taher Yousaf**, **Daniel Eddings** and **Tiffany Ellison** will attend.

Eddings will present "Organolithium Chemistry En-route to Chiral Cu(I)-NHC-Catalyst," by Daniel B. Eddings and Robert E. Gawley.

## Student News



**Roland Njabon** has passed the appropriate number of cumulative exams to be a doctoral candidate. Njabon works in the lab of David Paul

### June Safety Tip

**Your chemical inventory lists should be updated regularly**

## Family Additions

**Leena Philominathan** and **Kathir Karuppanan** welcomed their second son Nilan L. Kathir May 22. He weighed 6 pounds and 9 ounces He was 19.25 inches long.

Alumna **Amanda Snow Serio**, B.S. '06, and husband John welcomed the birth of their son John Cedric Serio, April 3. Baby Cedric weighed 9 pounds and 6 ounces. He was 21.25 inches long.

Alumnus **Morris Bramlett**, Ph.D. '93, and his wife Amanda welcomed a daughter Abigail Porter Bramlett April 26. She weighed 8 pounds and 13 ounces. She was 21 inches long.



Abigail Bramlett



Family Serio



Baby Nilan with big brother Kavin

## REU/INBRE

This summer the department is hosting nine REU students and three INBRE students.

This is the 19th consecutive year for the department to host the National Science Foundation REU summer research program. The Arkansas IDeA Network of Biomedical Research

Excellence (Arkansas INBRE) is funded by a grant from the National Center for Research Resources (NCRR), under the Institutional Development Award (IDeA) Program of the National Institutes of Health (NIH).

Both programs conclude July 27.



**Karole Blythe**  
Langston University  
Hometown: Sacramento, Calif.  
Mentor: Paul Adams



**Sherry Brixey**  
University of Arkansas  
Hometown: Morrilton, Ark.  
Mentor: T.K.S. Kumar



**Jahnavi Chatterjee**  
Mississippi University for Women  
Hometown: Clinton, Miss.  
Mentor: Neil Allison



**Charles Loftis**  
Langston University  
Hometown: Del City, Okla.  
Mentor: T.K.S. Kumar



**Carrie Peter**  
John Brown University  
Hometown: Brandon, Fla.  
Mentor: Jack Lay



**Adam Ring**  
Miami University  
Hometown: Manchester, Mo  
Mentor: Ingrid Fritsch



**Michelle Reed**  
Adams State College  
Hometown: Longmont, Colo.  
Mentor: David Paul



**Roger Williams**  
Eastern New Mexico University  
Hometown: Greenbrier, Ark.  
Mentor: Bob Gawley



**Lauren Woods**  
Northeastern State University  
Hometown: Claremore, Okla.  
Mentor: Bob Beitle, chemical engineering



INBRE  
**Cassandra Hunter**  
University of Arkansas at Pine Bluff  
Hometown: Pine Bluff, Ark.  
Mentor: Doug Rhoads, biological sciences



INBRE  
**Nakita Lovelady**  
University of Arkansas at Pine Bluff  
Hometown: Lexa, Ark.  
Mentor: Ines Pinto, biological sciences



INBRE  
**Sharon Sanders**  
Philander Smith College  
Hometown: Fresno, Calif.  
Mentor: Wes Stites

## Summer Calendar

### June

- 18..... Last day to drop a Session I class with a "W"
- 29..... Summer I ends

### July

- 02..... Summer Session II begins
- 04..... Independence Day, University of Arkansas CLOSED
- 06..... Last day to drop a Session II class without a "W"
- 26..... REU poster presentations
- 30..... Last day to drop a Session II course with a "W"

### August

- 03..... Final copies of master's thesis/doctoral dissertations must be submitted to the Graduate School for students graduating in August 2007
- 10..... Summer II ends
- 20..... Fall 2007 begins
- 27..... Fall seminar series begins

- Dates above are also on the Web CT calendar <http://WebCT.uark.edu/>
- For more academic dates see <http://www.uark.edu/registrar/classes/calcover.html>
- To see what is going on in the Fulbright College see <http://fulbright.uark.edu>

## June Birthdays

- 03.....Lorraine Brewer
- 03.....Sue Brand
- 12.....Carrie Peter
- 18.....Michael Habteselassie
- 18.....Roger Williams
- 26.....Charleigh English
- 26.....Taher Yousaf
- 27.....Renee Riem
- 29.....Wally Cordes

*The publishing of birthdays is not intended to invade the privacy of anyone. If you prefer not to be included, please let us know.*

## Chemistry Library Summer Hours

- Monday - Thursday....8 a.m. to 9 p.m.
- Friday .....8 a.m. to 5 p.m.
- Saturday .....CLOSED
- Sunday.....2 p.m. to 6 p.m.

## Department Float Trip

The annual department canoe trip was May 14. This year the group floated from Ponca to Kyle's Landing on the Buffalo River.



Top left: Neil Allison and David Paul. Top right: Frank Millett and Sue Brand. Bottom left: One of the many waterfalls on the river. At left: floaters take a break