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The Mole Street Journal

Volume 6, Issue 4

Chemistry Majors Named Goldwater Scholars

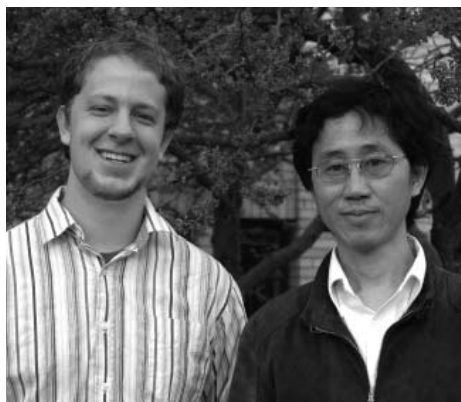


For the fifth straight year, chemistry majors are among the top students selected as Barry M. Goldwater Scholars. **Natalie Anderson** and **Randy Carney** are two of three Fulbright College students to secure this national scholarship. Junior biology major Phillip Cleves is the third student. There have been 36 UA Goldwater Scholars since the program began with 16 being chemistry majors.

Anderson plans to earn a doctorate in biophysics or biochemistry and is currently researching peptide/lipid interactions under the direction of **Roger Koeppel**. She is a Springdale native and the daughter of Paul and Luann Lawrence, and is married to Joshua Anderson.

Randy Carney plans to become a research professor. Currently he is conducting research on atom economy in the synthesis of high quality oxide nanocrystals under the direction of **Xiaogang Peng**. He is the son of Richard and Karen Carney of Jacksonville.

The Barry M. Goldwater Scholarship and Excellence in Education Program was established by Congress in 1986 to honor Senator Barry M. Goldwater. The first scholarships were awarded in 1988. The purpose of the program is to provide a continuing source of highly qualified scientists, mathematicians, and engineers by awarding scholarships to college students who intend to pursue careers in these fields. Universities and colleges may nominate up to four students each year.



Top left: Natalie Anderson and Roger Koeppel. Bottom left: Randy Carney and Xiaogang Peng.

Adams Featured in May Calendar



Paul Adams

Paul Adams and his family are featured in a calendar "MARC-You can DREAM...Today's Ph.D...Tomorrow's Promise," sponsored by the Minority Access to Research Careers (MARC) Program. The MARC program was created by the National Institute of General Medical Sciences (NIGMS) to increase the number of biomedical and behavioral scientists from minority groups. <http://marc.faseb.org/>.

This spring Adams was awarded the Robert C. and Sandra Connor Endowed Faculty Fellowship by the Fulbright College. In April, he was awarded an NSF Research Starter Grant.

More information on Adams inside.

In Memory of Les Howick

Professor Emeritus **Lester Howick** passed away April 8, 2007 in Fayetteville. Howick served as department chair in the 1970s. He joined the department in the 1950s and served in the analytical division researching precipitation reactions.

Memorial contributions may be made to the Butterfield Trail Village Foundation or the Fayetteville Humane Society. See Bill Durham to make a donation.

Research News

T.K.S. Kumar is part of a team, together with Ralph Henry in biological sciences and alumna Robyn Goforth, which received a \$450,000 grant from the Department of Energy to continue their research in protein targeting. Henry is the primary investigator.

On the Go

Paul Adams will chair the opening session of the 2007 Gordon Research Conference on Enzymes, Coenzymes & Metabolic Pathways GRC at the University of New England in Biddeford, Maine, July 13-18. He was awarded a Carl Strom Minority Fellowship to participate in the conference.

In April, he gave an invited talk at the University of Arkansas-Pine Bluff "Biophysical Characterization of Proteins Associated with Signal Transduction: A Research-Based Internship Program in

Protein Biochemistry at the University of Arkansas."

April 2-6, he attended the National Organization of Black Chemists and Chemical Engineers Conference (NOBCChE) in Orlando.

He also participated on an NSF Panel Review in the Molecular Biochemistry Cluster April 17-20.

Denise Greathouse attended the 2nd Workshop on the Biophysics of Membrane-Active Peptides in Lisbon, Portugal, April 1-4. She presented "Characterization of Membrane Anchored Lactoferricin Peptides by Solid State NMR Spectroscopy," by Denise Greathouse, Juan Chipollini, Melisa Dougan, Nicole Hart, and Taylor Ladd.

The workshop took place in the 19th century amphiteatro do laboratorio chimico (chemistry lab and lecture room) of the former Escola Polytechnica, now the University of Lisbon Science Museum.

David Vivic gave a talk "Organometallic Aspects of Alkyl-Alkyl Cross-Coupling Reactions" March 9 at the University of Southern Mississippi.

Two researchers recently joined the Vivic lab. **Galina Dubinina** has joined as a postdoc and recently was a project leader at Kiev National Taras Shevchenko University in the Ukraine, as well as a Molecular Modeling group leader for Enamine Ltd., based in the Ukraine.

Hideki Furutachi, an assistant professor from Kanazawa University in Japan, received a grant from the Japanese Ministry of Education, Culture, Sports, Science and Technology to perform research in the Vivic lab.

T.K.S. Kumar will give an invited talk "Understanding the Structure and Interactions of the Fibroblast Growth Factor," at the Maine Medical Center, in Scarborough, Maine, May 24

Baby Hog Fan



Geo Jorgensen is already rooting for his parents' alma mater.

Books for Bunda

Marilyn Davis is collecting books to send to Bunda, Tanzania, East Africa. The school children there have very few books or school supplies to help them learn, and the teachers are poorly equipped with instructional materials. There is no library, no bookstore and there are no funds to buy even the shabbiest used book.

Most books are welcome, as well as maps and school supplies. However, books that propagate certain religious or political points of view and romance novels will not be sent.

www.geocities.com/books4bunda/books4bunda

Kuroda Inspires Atomic Garden Design

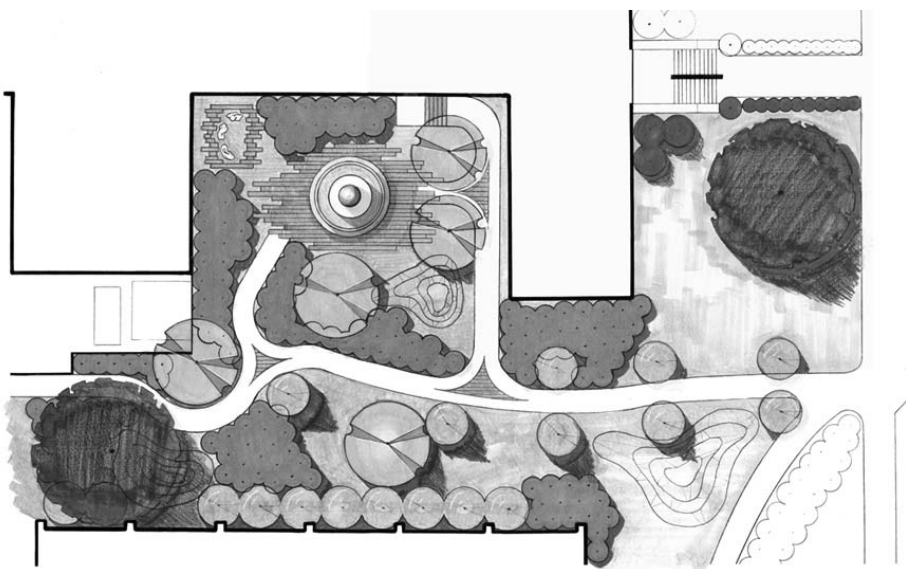
Recently the work of **Paul Kuroda** was the focus of a class project in architecture. Second year undergraduate students were challenged to design a public garden which was not only functional, but also drew inspiration from the work of Kuroda.

The idea was developed by Carl Smith, Garvan Chair Visiting Professor in the department of landscape architecture.

The Kuroda Garden, which could

be located between the Chemistry and Science buildings, would feature water, carbon, steel and stone.

Designs were on display in the Chemistry Building in April. Of those designs, three were forwarded to Mrs. Kuroda. The below design by Jason George of Hot Springs was selected for possible funding.



Garden design by Jason George

Student News

Students Win Annual Awards

The following students received department awards during an Honors Night dinner April 19. Undergraduate honors and majors gave poster presentations in the Chemistry Building the same day.

A.W. Cordes Teaching Award

- **Lindsay Rutherford**. This award recognizes the top instructor on the graduate student level.

The Barbara Wertheim Campbell Award

- **Shelly Buffington, John Faver, Jana Gertsch, Aireal Haley and James Kasbohm**. This award is granted to graduating bachelor of science chemistry majors who intend to pursue a professional career in chemistry and who have completed all of their work at the University of Arkansas.

The Frederick A. Kekulé Award

- **Nathan Tobey**. This award is given to the outstanding sophomore bachelor of science chemistry major in honor of the founder of the structural theory of organic chemistry.

Chemistry and Biochemistry Achievement Awards

- **Rebecca Adair, Kyle Blair, Christopher Carter, Andreas Chen, Juan Chipollini, Michael McLaughlin, Nasiem Niroumand, Miles Ritter, Christopher Sichmeller, Rachel Thomas and Laura Wilson Pratt**. This award recognizes scholastically outstanding and professionally active chemistry majors beyond their freshman year.

The American Chemical Society Achievement Awards

- **Heather Ainsley, Natalie Anderson, Peter Davis, Megan Evans, Eric Flagg, Nicole Hart, Kristin Nagle, Clark Smith and Blake Williams**. This award recognizes outstanding chemistry majors.

Students Pass Cumulative Exams

The following students have passed the appropriate number of cumulative exams — **Roland Njabon, Grace Ong and Vitaly Vostrikov**.



Poster presentations during Honors Night

SURF Fellowships

Eight chemistry majors were among 46 UA students to be awarded State Undergraduate Research Fellowships for the 2006-2007 academic year. The SURF awards are available to any undergraduate student with a 3.5 grade-point average who is planning a research or artistic project for the coming year.

Natalie Anderson, mentor Roger Koeppe

Rachel Ellis, mentor Denise Greathouse

Aireal Haley, mentor David Vivic

Nicole Hart, mentor Denise Greathouse

Khalil Ibrahim, mentor T.K.S. Kumar

Shelly Kaufman, mentor Matthias McIntosh

Tara Teff, mentor Neil Allison

Whitney Tharp, mentor Joshua Sakon

May Safety Tip

Dealing With Disruptive Behavior
Be informed of the principles for dealing with disruptive behavior, in the classroom or elsewhere in the university environment.
View the document on WebCT

From the Library by Luti Salisbury

Finding Dissertations and Theses Using the Online Catalog, InfoLinks

You can find every dissertation/theses done at the University of Arkansas (Fayetteville) in the online catalog, InfoLinks. You will notice that most of the dissertations and some theses could be read or downloaded electronically.

These are identified as Internet Resource in the display.

(1) To search for dissertations/theses on a subject in InfoLinks, do a keyword search and type: thesis and gramacidins and analysis.

(2) To search for dissertations /theses accepted by the Department of Chemistry, do a Subject search and type: dept: chemistry.

(3) To search for dissertations/theses supervised by a professor, do a Subject search and type: advisor: Durham.

(4) You may also search for a dissertation/theses by its author and title in InfoLinks.

If you wish to search for dissertations/theses that are not done at the University of Arkansas, this can be done by searching the ProQuest Dissertation

and Theses (Digital Dissertations) 1861-present.

To access this database electronically, start from the library's home page (<http://libinfo.uark.edu>), then select Databases by Subject, then Chemistry, then Dissertations and Theses.

If you find dissertations/theses in this database that are not full-text, please search InfoLinks to see if it is available here. If not, you may order the dissertation/theses on Interlibrary Loan at no cost to you.

Summer Calendar

May

- 03..... Last day to officially withdraw from all courses
 03..... Last day of spring 2007 classes
 04..... Final copies of master's thesis/doctoral dissertations must be submitted to the Graduate School for students planning to graduate in May 2007
 04..... Dead day, no classes
 05..... Final exams
 12..... Commencement
 20..... REU students arrive
 21..... Summer Session I begins
 22..... Last day to add a Session I class
 24..... Last day to drop a Session I class without a "W"
 28..... Memorial Day, University of Arkansas CLOSED

June

- 02..... Alumni Reunion and Building Rededication
 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>

Alumni Reunion and Building Rededication

Alumni and friends are invited to join the department as we celebrate the renovated Chemistry Building with a ceremony, open house and fish fry.

Saturday, June 2, 2007

- 10 a.m. to 3 p.m. Chemistry Building Open House
- 11 a.m. Rededication ceremony and reception
- 6 p.m. Fish fry in the Gardens, catered by the Catfish Hole

RSVP to cheminfo@uark.edu or 5-5198 by May 20

May Birthdays

- 02.....Carmen Padilla
 05.....Jim Hinton
 05.....Lothar Schäfer
 06.....Jianghong Qian
 07.....Karuppanan Kathir
 08.....Quan Yuan
 09.....Koteshwara Ananthamurthy
 09.....Paula Castro
 11.....Cynthia Kovach
 15.....T. J. Anderson
 16.....Penny Lewis
 16.....Mark Turner
 17.....David Clay
 17.....Tiffany Ellison
 23.....Jack Lay
 24.....Dan Davis
 26.....Gavin Jones
 29.....Johanna Froyd-Rankenber
 30.....Ryan Thurman

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 Hours

Regular Hours

- Monday - Thursday....8 a.m. to 11 p.m.
 Friday8 a.m. to 6 p.m.
 Saturday1 p.m. to 6 p.m.
 Sunday.....1 p.m. to 11 p.m.

Exceptions to regular hours

- Friday, May 48 a.m. to 10 p.m.
 Friday, May 118 a.m. to 5 p.m.
 Sat/Sun, May 12-13 ...CLOSED
 Mon-Fri, May 14-18 ..8 a.m. to 5 p.m.
 Sat/Sun, May 19-20 ...CLOSED

Summer hours begin May 21

Summer Hours

- Monday - Thursday....8 a.m. to 9 p.m.
 Friday8 a.m. to 5 p.m.
 SaturdayCLOSED
 Sunday.....2 p.m. to 6 p.m.

The University of Arkansas will be closed Monday, May 28 in observance of the Memorial Day holiday.