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In Memory of Ves Childs

Alumnus and department friend **W. Ves Childs**, M.S. '60, Ph.D. '63, passed away Sunday, June 21.

He wrote of his childhood: "I remember my mother washing clothes in a huge cast iron pot over a wood fire in the backyard. I remember taking a bath in a galvanized tub beside the kitchen stove. I grew up as a farm boy near Magnolia, Arkansas. I have chopped cotton, plowed cotton behind a Georges stock, and picked cotton. I have castrated pigs and calves. We raised pigs, chickens, beef cattle, and ran a Grade A dairy. I won the showmanship award at the Arkansas State Fair."

He quit Magnolia High School after the 11th grade and finished college, in three-and-one-half years, at Southern State College (Southern Arkansas University) in Magnolia.

He quit medical school and came to the University of Arkansas where he earned a doctorate in physical chemistry under the direction of **Ed Amis**. His dissertation title was "A Study of the First Polarographic Wave of the Uranyl Ion in Water and Water-Ethanol Systems," QD115.C47.

It was here that he met **Holly Hartrick**, B.S. '62, whom he married in 1962.

Both Southern Arkansas University and the University of Arkansas Fulbright College have cited him as a distinguished alumnus.

He worked for Phillips Petroleum Company in Bartlesville, Okla. for 22 years, receiving international recognition for his work in electrochemistry and fluorochemistry.

He was then recruited to work at 3M in St. Paul, Minn. He was division scientist there for "17 winters," as he used to say. There he continuing to develop innovative and economical tech-

nologies and continuing to receive recognition for his research. Both Ves and Holly retired from 3M in 2001.

He was an inventor on 52 patents, and he authored five book chapters and numerous articles.

The Alpha Chi Sigma chemistry fraternity and of the American Chemical Society both honored him as a 50-year member. He was also a member of Sigma Xi and the American

Association for the Advancement of Science.

In his spare time, he enjoyed playing duplicate bridge, gardening and exploring the interfaces between science and religion, science and politics and religion and politics.

The Childs established the

Arthur Fry Lecture Series in 1997 to honor their former professor Art Fry. The annual series brings in notable chemists, including Nobel Laureate Robert Grubbs in 2009.

He is survived by his wife Holly and their children Lisa, Michael and Bill, two brothers and six grandchildren. **Lisa Childs** is associate vice provost for research and patent attorney for the Division of Agriculture.

A memorial service was held Tuesday, June 30, 2009 at First United Methodist Church in Springdale.

Memorial contributions may be made to the W. Ves Childs Science Education Fund at the University of Arkansas, Development Office, 525 Old Main, University of Arkansas, Fayetteville, AR 72701, or to Southern Arkansas University Foundation, W. Ves Childs Fund, Development Office, P. O. Box 9174, Magnolia, AR 71754-9174.



Art Fry and Nobel Laureate Robert Grubbs with Holly and Ves Childs in April 2009

Faculty News

Gerén to Retire

Former department chair and faculty member **Collis Gerén** plans to retire June 30, 2010.

He has served as dean of the Graduate School since 1991. He joined the university in 1976 and was department chair in 1986. He is married to research professor **Lois Gerén**.

Schwab Named Dean

Bill Schwab has been named dean of the Fulbright College. He served as interim dean for the past year. He holds a bachelor's degree in chemistry and master's degrees in both urban planning and sociology. He holds a doctoral degree in sociology from The Ohio State University in 1976 and joined the University of Arkansas faculty the same year.

Research News

The paper "The Membrane-binding Motif of Chloroplast Signal Recognition

Particle Receptor (cpFtsY) Regulates GTPase Activity" N. Marty, D. Rajalingam, A. Kight, Fologea, D., **T. K. S. Kumar**, R. Henry and R. L. Goforth was selected as a *Journal of Biological Chemistry* (JBC) Paper of the Week. For more information see <http://fulbright.uark.edu/headlines/Goforth.php>

Roger Koeppe and **Denise Greathouse** were awarded a three-year grant from the National Science Foundation for a project entitled "Intrinsic Tilt of Transmembrane Helices," beginning July 1, 2009.

On the Go

Rocky Mountain Conference on Analytical Chemistry

Snowmass, Colo. July 19-23

The following presentations will be presented at the symposia - Solid State NMR, Electron Paramagnetic Resonance and Analytical Methods.

Johanna M. Froyd-Rankenber will present a poster "Orientation of

Single Anchored WALP Peptides within Lipid Membranes Established by Solid-State NMR Methods," **Johanna M. Froyd-Rankenber**, **Denise V. Greathouse** and **Roger E. Koeppe II**.

Denise Greathouse will present a poster "Solid-state ^2H NMR Analysis of Acylated Lactoferricin Peptides in Oriented Lipid Bilayers," **Denise V. Greathouse**, **Laura A. Bradney**, **Nicole McClelland** and **Vitaly V. Vostrikov**.

Vitaly Vostrikov will present a poster "Transmembrane Peptide Orientation: Solid-State ^2H and ^{15}N NMR Investigation by Complementary Methods," **Vitaly V. Vostrikov**, **Chris V. Grant***, **Stanley J. Opella*** and **Roger E. Koeppe II**, *UC, San Diego.

Joshua Sakon will attend the following Gordon Research Conferences in July - Bone and Teeth at the University of New England, July 12-17 and GRC-Collagen at Colby-Sawyer College in New London, New Hampshire.

Spring 2009 Chancellor's List

The following students made the list for earning a 4.0 GPA

Andrew Avery	Marie Morris
William Bickell	Jacob Mott
Tammy Binz	Shannon Mumma
Joshua Brown	Jaime Nelson
Lindsey Brown	Rosalba Ocampo
Carter Calef	Devin O'Dea
Courtney Chandler	Kellie Ong
Samuel Dunn	Kyle Peterson
Andreas Eiberweiser	Mark Pickhardt
Amir Francis	Leah Ramey
Whitney Gammill	Miles Ritter
Lauren Hall	Kara Robertson
Ross Harmon	Jeffrey Roeser
Ali Haydar	Omar Salem
Hannah Henson	Matthew Sharum
Christena Hooten	John Sherrill
David Hopkins	Ryan Shinabery
Isabelle Huber	Kent Smith
Sigrid Johannesen	Elizabeth Srader
Emily Keen	Jessica Sutton
Kevin Keen	Nathan Tobey
Matthias Knust	Peter Tran
Rodney LaGrone	Daniel Vo
Jacob Lavender	Jenny Wagner
David Lee	Kirby Welston
Charles McClure	Robert Wilkerson
Jennifer McDowell	David Williams
Rhys Moore	

Undergraduate Degrees Awarded 2009

Bachelor of Arts

Lindsey Brown
Alexander Butler
Avery Cato
Amy Clothier
Brittany Goings
Sammantha Hicks
Lacey Jasan
Seth Kleman
Justin Peek
Jessica Preston

Bachelor of Science

Tammy Binz
Kyle Blair
Laura Bradney
Carter Calef
Hannah Duke
Jacqueline Duncan
Emily Edwards
Eric Flagg

Will Fraser
Whitney Gammill
Christopher Hall
Jason Hogan
Christena Hooten
Christopher Knapp
Andrew Mikles
Takanori Miyairi
Caroline Nardi
Andrea Peerson
Natalie Reis
Miles Ritter
Barry Sharp
John Shellenberger
Kent Smith
Sean Stevens
Maria Super
Rachel Thomas
Nathan Tobey
Adam Zimmerman

July Safety Tip

Sharps containers and hazardous waste should be removed in a timely manner. Containers filled to overflowing are not acceptable.

Student News

Hubbard Spends Summer in New Zealand

Graduate student **Abigail Hubbard** is spending eight weeks in New Zealand as part of the East Asia and Pacific Summer Institute (EAPSI) sponsored by the NSF.



Abby Hubbard

The goals of the research fellowship program are to introduce U.S. graduate students to East Asia and Pacific science and engineering in the context of a research setting, and to help students initiate scientific relationships that will better enable future collaboration with foreign counterparts.

Selected students participate in research experiences at host laboratories in Australia, China, Japan, Korea, New Zealand, Singapore, or Taiwan.

Hubbard will work under the direction of Dr. Peter Steel at the University of Canterbury.

Her doctoral advisor is **Bob Gawley**. For more information on the program see <http://www.nsf.org/>

Avery NIH Fellow

Undergraduate **Andrew Avery** will spend the summer as an intern in the Summer Internship Program in Biomedical Research at the National Institutes of Health in the National Institute of Allergy and Infectious Disease, Laboratory of Immunology. He is working for Dr. Stefan Muljo, Chief of the Integrative Immunobiology Unit.

Avery is exploring protein-RNA interactions among a certain protein and group of micro RNAs that are highly involved in human development. His research goal is to crystallize the protein-RNA complex in order to determine the mechanism of specific binding. He is a student in the Kumar lab.



Andrew Avery

Study Abroad in Sweden

A team of students, mostly pre-med, pre-nursing and communication disorders, spent some of their summer in Sweden. The program compared how two health care systems, the United States and Sweden treat a disease. Sweden has a socialized medical system. This is the third year of this study abroad.

They spent two weeks at Jönköping University studying congestive heart failure. Then the students went to Stockholm where they gave medically related poster presentations at the Second International Interdisciplinary Conference on Perspectives and Limits of Dialogism in Mikhail Bahktin at Stockholm University. The conference included a reception with the mayor of

Stockholm at Stockholm City Hall. The group also toured and listened to presentations at the Karolinska Institute (where the Nobel Prize for Medicine is determined).



Hannah Henson, Sigrid Johannesen and Abbie Wood (communication disorders) blending in with the natives in Stockholm

Chemistry majors participating were **Lauren Bland, Sara Camp, Hannah Henson, Matt Kern, Sigrid Johannesen** and **Nick Tingquist**. **Neil Allison** was the faculty advisor.

Other participants

Biological sciences - Andrew Briggler, Tim Goodhart, Allyson Hammond, Mike Marchese, Matt Williams. Jeanne McLachlin was the faculty advisor.

Communication disorders - Mary Helen Sick and Abbie Wood. Fran Hagstrom was the faculty advisor.

Nursing - Nan Smith-Blair was the faculty advisor.

Other Study Abroad

- **Lauren Hall** spent summer session I doing study abroad in Italy.
- **Nick Tingquist** will spend summer session II doing study abroad in Spain.

Students in Summer Programs

- **Christina Ragland** was selected for the NSF REU on campus in the Center for Space and Planetary Sciences.
- **Joshua Brown** is participating in the Arkansas INBRE program at UAMS under Howard Hendrickson.

Students in the Lab

- Academic lab prep - **Kimberly Schlieff**.
- Adams lab - **Sarenthia McClelland, Omar Saleem** and **John Sherrill**.
- Kumar lab - **Melisa Bolanos, Katie Hamblin, Hannah Henson, Natalie White** and **Daniel Vo**.
- McIntosh lab - **Ryan Boswell, Jaime Nelson, Liz Srader, David Williams** and **Peter Wolfenberger**.

Calendar of Events

July

- 23..... REU research presentations and department lunch
 27..... Last day to drop a SSII course with a "W"
 31..... Deadline to submit dissertations to the Graduate School for August 2009 diploma.

August

- 07..... Last day of SSII courses
 07..... Last day to officially withdraw from all SSII courses.
 19-28 Open registration for fall 2009
 24..... Fall classes begin
 28..... Last day to register for a full semester course

New University of Arkansas Logo

The university has a new logo designed to provide a consistent image throughout the various colleges, departments and units.

After current supplies are depleted, the new logo will appear on department letterhead, envelopes, business cards, etc.

The logo can vary in size, but cannot be altered, modified or overprinted, and no conflicting logos should be used.

Only official, approved colors may be used with the University of Arkansas symbols.

The university seal should only be used on official or ceremonial documents, and only in a single color. It should not be used in marketing or promotional publications.

The Razorback is the spirit symbol of the university, and is not to be used for academic or general promotional purposes.

Approved logos are available on the department Blackboard site for use on posters and presentations.

For information and guidelines about use of the new logo or the wordmark, go to logo.uark.edu



UNIVERSITY OF
ARKANSAS

REU Poster Presentations and Department Luncheon

The REU students will make poster presentations of their research Thursday, July 23 from 10 a.m. to noon in the Harrison Hale Lounge (CHEM 220).

A department luncheon to celebrate the students will be at noon in CHEM 105 and the administrative area.

July Birthdays

- 01.....Roger Koeppe
 10.....Mack Clements
 15.....Aaron Beuterbaugh
 20.....Josh Sakon
 24.....Anupama Aggarwal
 27.....Anna Daily
 29.....Marv Leister

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

Library Hours

Chemistry and Biochemistry

- Monday-Thursday8 a.m. to 6 p.m.
 Friday8 a.m. to 5 p.m.
 SaturdayCLOSED
 Sunday.....CLOSED

Fall hours begin August 24

<http://libinfo.uark.edu/chemistry/>

The department of chemistry and biochemistry at the University of Arkansas strives for excellence in research, teaching and service in chemistry—the central science.

We aspire to positions of leadership regarding the discovery of new scientific knowledge, the training of students, and the economic development of the State of Arkansas.

We seek to recruit and retain a diverse group of the best faculty, students and staff to address the challenges of the future through interdisciplinary and multidisciplinary research and education.