Jonell Hudson, Pharm.D., a clinical pharmacist who is part of team outreach at UAMS Northwest page 3
As I begin my tenth year as dean, I can truly say this has been one of the most exhilarating years for me as well as for our students and faculty. Our students have excelled in two major professional organizations, the National Community Pharmacists Association (NCPA) and the American Pharmacists Association-Academy of Student Pharmacists (APhA-ASP). In this issue, we highlight their accomplishments as winners of the NCPA Business Plan Competition last fall and the APhA-ASP National Chapter of the Year this spring.

The faculty has just completed a rigorous process that resulted in an ambitious Strategic Plan for 2013-17, in preparation for a site visit by the Accreditation Council for Pharmacy Education. You'll hear more about this in our next issue.

As our lead article in the last issue highlighted, the college is well-represented in national leadership roles in the APhA. Nicki Hilliard recently was installed president of the APhA Academy of Pharmacy Practice and Management, and third-year student Brandi Hamilton is now president of APhA-ASP. We are extremely proud to have such a strong presence at APhA.

Our lead article in this issue details the evolution of pharmacists’ role in Area Health Education Centers throughout the state, particularly as we move toward the new ways healthcare will be delivered through the patient-centered medical home model.

Another feature focuses on the opening of the 12th Street Health and Wellness Center in December. As Chancellor Dan Rahn said at the opening ceremony, the Center signifies what UAMS is about: bringing together students and faculty from a variety of professions to provide care where it is needed in our community.

As you’ll see by the photo on page 20, the Dean’s Advisory Council met on campus in February. I am extremely pleased with the strength of the Council and the ideas the members bring to the table, especially as we move into a new phase of fulfilling the goals we’ve set, in the College’s new Strategic Plan (www.pharmcollege.uams.edu/about/strategic-plan).

As we near the end of the College’s 60th year and my 22nd year on the faculty, I am humbled and honored to have served as dean of this remarkable place for ten years. If the activities of this year are any indication of the pace of advancement we can expect for pharmacy education and for the profession, I think we are in for some very exciting times.
On the cover: Dr. Jonell Hudson, Adela Gomez, Hispanic interpreter and Jose Gonzales discussing changes in his medication regimen.

Features
3  Evolution of Outreach
Pharmacy part of team outreach
by Nate Hinkel

5  A Community Affair
12th Street Health and Wellness Center opening
by Nate Hinkel

Profiles
17  Seth Heldenbrand, Pharm.D., Ed.D
Assistant Professor,
UAMS College of Pharmacy

30  G. Keith Larkin, Pharm.D.
MediSav Pharmacy, Fort Smith

37  Melissa Brown, Pharm.D.
Medical Arts Pharmacy, Fayetteville

Departments
9  General News
11  Faculty
19  Development
23  Students
34  Alumni
Juggling repeated hospitalizations for anticoagulation issues, Jose Gonzales, of Springdale, has difficulty keeping up with changes in his medication regimen, largely due to a language barrier and limited health literacy.

But he does have a solid grasp on the life or death consequences associated with his condition. So each time he’s discharged, he’s adamant about making an appointment to see Jonell Hudson, Pharm.D., a clinical pharmacist at UAMS Northwest.

“We work through not only his anticoagulation issues, but also his medication changes,” she said. “On one visit, he told me after hospital discharge that he was told to stop all his medications — and had not taken any since discharge — when in actuality he was told to stop just one of his medications. He has told me numerous times, ‘I would be dead if you weren’t here to help me.’”

This is just one example of the role pharmacists are increasingly playing in the University of Arkansas for Medical Sciences (UAMS) regional centers and their push toward the patient-centered medical home (PCMH).

Across Arkansas, eight family medical centers in six UAMS regional centers provide access to medical services for rural residents and education for health care students and professionals. This combination improves the health of rural Arkansans while providing experience and training for UAMS health professionals. The role of pharmacy at these sites has evolved tremendously since the initial regional program was started in 1973, and is now a key part of the nationwide movement toward implementing PCMH.

“Pharmacy has certainly played a large role in health care in the past, but in this new model the profession is an integral part of the health care team approach that is shaping our future,” said Mark Mengel, M.D., M.P.H., vice chancellor of UAMS Regional Programs. “Pharmacists are being positioned to serve patients in optimizing medication use, reducing and preventing medication-related problems and improving health by providing medication therapy management, health promotion, wellness education and disease prevention services. More simply, they are a big part of the patient interaction process.”
Accessing Arkansans

The eight family medical centers offer training for family medicine residents and students in medicine, nursing, pharmacy and some fields of allied health, as well as continuing education for medical professionals. They also provide information and programs about health careers to encourage an adequate future workforce for the state. During the 2012-2013 academic year, clinical pharmacists at the eight regional family medical centers served as preceptors for 49 senior pharmacy students.

In addition to education, the regional sites provide access to health care and health education for community members in rural and underserved areas.

But care hasn’t always been this accessible for rural Arkansans, especially the benefits clinical pharmacists can offer.

Tom Frank, Pharm.D., director of research and education at UAMS Northeast in Jonesboro, remembers that he was the only clinical pharmacist in a regional program when he came here in 1985.

“It is important to remember how tied and identified pharmacists were in the mid-1980’s to solely dispensing medications,” Frank said. “It took a bit of explaining when I started to communicate my function to health care professionals and people in the community. I finally came up with, ‘I promote rational drug therapy,’ and that still holds true today.”

And as the regional sites evolved, so did the role of pharmacists.

“The addition of education and patient management to the tradition of drug dispensing is the profession’s direction today,” Frank said. “Many times the point of our entry into the patient care conversation involves a special situation. A first line treatment failed, the patient had a side effect or there is an abnormal lab work that makes this case special. That is the challenge and also what makes the work interesting.”

At UAMS Northeast, Frank said three research projects have investigated vulnerable points in the medication use process. This is where pharmacy can play a key role in patient outcomes.

“We repeatedly learned the value and importance of an accurate medication list and the knowledge to interpret the list to the best interest of the patient,” Frank said. “To get there, we will continue to focus on drug mechanisms of action and interpretation of complicated medication regimens in our teaching. This will be valuable information as part of a PCMH team.”

Role Players

All eight regional family medical centers have shifted to the PCMH model of care, which has moved pharmacy even further into a primary role in the delivery of care.

An expanding body of research is showing that when physicians and pharmacists work collaboratively on the medication regimen of patients, especially those with chronic conditions, patients are more likely to take their medications and achieve better health.

“I see our clinical pharmacists continuing to evolve into the drug expert on the team,” said Dennis Moore, Pharm.D., director of UAMS North Central regional site in Batesville and president of the Arkansas Pharmacists Association. “And as we continue to train physicians to depend on them, this will continue into practice sites for the physician, thus continuing to influence the way in which the system utilizes pharmacists.”

The amount of knowledge concerning medical care has surpassed the ability of one brain to comprehend it all, Moore said, “Thus, the ‘expert on drugs’ should be advising on drug therapy.”

PCMH models play a prominent role in the Affordable Care Act, which is driving the change in the delivery of health care. And so getting patients to more efficiently manage their medications can also spark economic benefits, not only in the health care system but within their own budget.

“As we continue to attain higher levels of accreditation, I think there will be more direct patient care activities for the pharmacist,” Hudson said. “With collaborative practice agreements, we can assist providers in educating and managing patients with a variety of diseases.”

Frank said synergy can be created by training physicians and pharmacists to work together and to develop insight into complicated medication regimens. This will help patients be more successful in the long term.

“Often a quick phone call and consultation can save a trip to see the specialist for the patient. It helps the entire process become more efficient for everyone involved,” he said. “We are strongly committed to the PCMH concept, many aspects of which we have been doing for years. This is going to cause us to bring them together in a more organized and documented fashion. My hope is that we will always keep the improvement of patient outcomes in the center of our efforts.”

“Pharmacy is an integral part of the team approach that is shaping our future.”
Lauded as a shining example of UAMS' campuswide push toward interprofessional education, students, donors, and faculty cut the ribbon Dec. 7 and dedicated the 12th Street Health and Wellness Center. Set inside a historic brick building in a medically underserved community south of campus, the center began serving the public in January.

“This effort signifies everything that UAMS is about,” said UAMS Chancellor Dan Rahn, M.D. “It brings together students and faculty from across campus and offers it directly where it’s needed most in the community. Our mission at UAMS is to make a difference in the delivery of health care to Arkansans, and this new center is an innovative bridge that enables us to do that.”

The interprofessional center includes services by students and faculty across the UAMS colleges of Pharmacy, Medicine, Public Health, Nursing and Health Professions and the Graduate School. The center will be run by students and provide preventive health care, particularly heart health, as well as consultations and screenings for chronic health conditions and information for healthy living.

Future physicians, pharmacists, speech pathologists, dental hygienists, nurses and a growing number of UAMS students...
A Community Affair

12th Street Health and Wellness Center celebrates opening

By Nate Hinkel

across all areas of campus are not only working side-by-side providing services to a community in need, but are on the leading edge of a new push at UAMS to get students to learn and practice effective teamwork and team-based care. That requires moving beyond profession-specific educational efforts to engage students of different professions in interactive learning with each other.

Lanita White, Pharm.D., director of the center, said she is proud of the effort across UAMS to come together to get the center renovated and ready for operation.

“Everyone has been very generous in donating supplies, time and effort to make this center a reality,” White said. “This is just the first step in becoming a part of this community in a new way to improve the health and wellness of anyone who walks through our doors.”

Located at 12th and Cedar streets in midtown Little Rock, the center is in a building that formerly housed Finnegan’s Pharmacy and more recently was leased by USA Drug. The property was donated to the College of Pharmacy in 2011 by Vicki and Karrol Fowlkes, of Salem, alumni who envisioned a student-led health and wellness clinic for the uninsured.

“It is very gratifying to help revitalize this area where I spent many hours working, and also where many past professors and students of the UAMS College of Pharmacy practiced,” Vicki Fowlkes said. “We are thrilled how it has come to fruition and anticipate the opportunity to watch the difference it can make within the community.”

Stephanie F. Gardner, Pharm.D., Ed.D, dean of the UAMS College of Pharmacy, said that educating students and making a difference in the community are the two hallmarks of this project.

“This project will provide great opportunities for our students to gain experience, while providing services for people in the area,” Gardner said. “It’s important to stress the collaborative aspect of this in educating students across UAMS and giving them experience outside of their classrooms.”

In addition to experiential education for UAMS students, the center’s creation also spawned research collaboration between the UAMS Translational Research Institute and the William J. Clinton School of Public Service. The two entities are working on a project titled, “Assessing the Health Needs of Individuals Living in the Little Rock 12th Street Community.”

“This research component will ensure that we’re achieving our goals to provide the services that this particular community needs most,” said Amy Franks, Pharm.D., who chairs the Department of Pharmacy Practice in the College of Pharmacy.

“The educational possibilities of this center are already making an impact in classrooms, practice and improving health care in Arkansas.”

Since its opening, the UAMS 12th Street Health and Wellness Center has added a dentistry component with dental hygiene students and a speech and audiology service with speech pathology students. More services are in the works, with aims of one day becoming a full-fledged clinic.

“It’s exciting because our students are getting out in the community. They’re volunteering and giving their knowledge freely,” White said. “This generation of students is committed to serving the community and promoting health and wellness.”
12th Street Health and Wellness Center Opening
The UAMS College of Pharmacy mission is to improve the health of culturally diverse populations by:
- Educating pharmacy leaders to address community health needs
- Advancing scientific discovery to produce innovations in health care
- Fostering progressive pharmacy practice through service to the profession

Dr. Daniel W. Rahn
Chancellor
University of Arkansas for Medical Sciences

Dr. Stephanie F. Gardner
Dean

Dr. Cindy D. Stowe
Associate Dean for Professional Education

Dr. Schwanda Flowers ‘99
Associate Dean for Student Affairs and Faculty Development

Dr. Jan Hastings ‘79/’94
Associate Dean for Development and Alumni Affairs

Ann L. Turney
Senior Director of Development

Dr. Jonathan J. Wolfe ’76
Director of Planned Giving

Leigh Austin
Administrative Analyst
Assistant Editor

Mindy Stout
Graphic Designer

Laurie Shell
Creative Director

Nate Hinkel
Writer

JohnPaul Jones
Staff Photographer

UAMS College of Pharmacy
4301 W. Markham St., 522
Little Rock, AR 72205
(501) 686-5557

UAMS is a HIPAA compliant institution.
To opt out of future development mailings, call (501) 686-8200.

www.pharmcollege.uams.edu
Apothecary Jars on Loan

Howard Kitchens, family friend of deceased graduate Jarell Nix ’52, loaned the College an expansive collection of glass apothecary bottles and patent medications from his uncle’s pharmacy in Waldo. It will be on display at the College, along with other historical items curated by Jon Wolfe ’76, director of Planned Giving.

Closeup of the glass apothecary jars on loan to the College

APAH and COP Pair for PSAs

The Arkansas Pharmacists Association (APA) and the College joined to create a public service announcement (PSA) for the college, as part of the APA’s series of PSA broadcasts statewide in November about the profession of pharmacy. To view the series, go to youtube.com and search for the Arkansas Pharmacists channel.

Photos courtesy of APA
College Conducts Onlife Health Screenings for UAMS

Students and faculty conducted health screenings of employees and their spouses over a four-month period this fall throughout the UAMS campus. Those joining UAMS’ new online health management program, “Onlife”, were screened for blood pressure, heart rate, height, weight, body mass index, waist circumference, blood glucose, and cholesterol panel. Students and faculty reviewed the screening results with the participants, and counseled employees on ways to improve their risk factors. Almost 1,200 UAMS employees and their spouses were screened, during 18 events on the Little Rock and Northwest campuses.

Fourth-year student Amy Givens performs a blood pressure check on a UAMS employee during the Onlife screenings.

In December, students and faculty at the Little Rock and Northwest campuses showed their holiday spirit and collected toys and funds to help brighten the holidays for children. The Northwest campus took part in UAMS Northwest’s Toys for Tots collection campaign, culminating in a community open house where guests donated toys and visited with local Marines, faculty and staff. The Little Rock campus raised enough funds to purchase presents for children in two classrooms at local UAMS Head Start locations.

The Centers for Medicare and Medicaid Services approved an Arkansas Department of Human Services request of $670,000 to help fund the Arkansas Poison Control Center for the past fiscal year, with the potential of long-term funding. The money will support the daily operation of the Center.

In total National Institutes of Health (NIH) grants and contracts awarded, the UAMS College of Pharmacy rose from 38th in fiscal year 2010 with $3,032,493 awarded to 24th in fiscal year 2011, when $7,032,499 was awarded.

New Recruiter Joins College

Christel Cater joined the College in November 2012 as the new student recruiter. She is helping students throughout Arkansas with career decisions in conjunction with parents, teachers and college advisors. She develops relationships with prospective students, cultivates interest in pharmacy-related professions and prepares students for the admission process. Cater also coordinates the College’s annual Pharmacy Camp for high school students held each summer.

Cater previously worked as the director of programs and marketing for Big Brothers Big Sisters of Central Arkansas, where she managed the day-to-day responsibilities of the program, coordinated recruitment and partnership efforts and managed its marketing initiatives.

Prospective students and college advisors may contact Cater at (501) 686-6282, cdcat@uams.edu or www.facebook.com/uamscop.
In October, four faculty members were installed as officers of the Arkansas Association of Health-System Pharmacists:

- **Lanita White**, assistant professor of Pharmacy Practice, president
- **Marsha Crader**, assistant professor of Pharmacy Practice, president-elect
- **Kendrea Jones ’05**, assistant professor of Pharmacy Practice, chair of the Residency Taskforce
- **Catherine O’Brien ’05**, assistant professor of Pharmacy Practice, chair of Fall Seminar Students Sessions/Programming

Niki Carver ’01, assistant director of the UAMS Pharmacy, was honored for her community service at the UAMS annual commemoration of Martin Luther King Jr.’s birthday in February. She volunteers as pharmacist-in-charge at Shepherd’s Hope Neighborhood Health Center in Little Rock, where she also supervises UAMS and Harding University student pharmacist volunteers.

Marsha Crader, assistant professor of Pharmacy Practice, presented “Impact of a residency antimicrobial stewardship rotation on pharmacist initiated interventions” at the American Society of Health-System Pharmacists (ASHP) Midyear Meeting in Las Vegas in December.

Lindsey Dayer ’09, assistant professor of Pharmacy Practice, appeared with third-year student Amy Hilliard on Channel 7’s Midday Show in September to discuss the National Prescription Drug Take-Back Day.

Schwanda Flowers ’99, associate dean of Administrative Affairs, gave an invited presentation “Teaching Medication Adherence in IPPEs and APPEs” at the Nonprescription Medicines Academy in Cincinnati in September.

Flowers and Pace, assistant professor of Pharmacy Practice, received the National Association of Chain Drug Stores (NACDS) Foundation Community Pharmacy Residency Expansion Grant, providing $50,000 to expand opportunities for residency partnerships in the state.

Flowers and Anne Pace also co-authored a poster titled “Students’ opinions of a nonprescription medicines elective course” at the Nonprescription Medicines Academy in Cincinnati in September.


Foster and Pam Rossi ’95, Poison Control specialist, discussed carbon monoxide poisoning on two different KATV television programs in January.

Howard Hendrickson, associate professor of Pharmaceutical Sciences, recently was awarded a Small Business Innovation Research Phase II grant of almost $200,000 from the National Institutes of Health National Center for Complementary and Alternative Medicine in collaboration with Randy Beavers, founder of BotaniPHARM in Candler, NC. The
grant is accompanied by a grant from the UAMS Translational Research Institute of $30,000. Together, these studies will produce a product that can be used to reliably test safety and potential efficacy of Goldenseal or one of its components. Other College of Pharmacy collaborators on this grant include Bill Gurley, professor of Pharmaceutical Sciences, and Guangrong Zheng, assistant professor of Pharmaceutical Sciences.

Nicki Hilliard ’83/’96, professor of Pharmacy Practice, was installed as President of the American Pharmacists Association (APhA) Academy of Pharmacy Practice and Management for a three year term in March.

Hilliard was also featured in the first issue of the APhA Nuclear Pharmacy New Practitioner newsletter.

Chenghui Li, associate professor of Pharmacy Practice, co-authored “Monitoring veterans for metabolic side effects when prescribing antipsychotics,” published November in the online journal *Psychiatr Serv*.

Holly Maples, associate professor of Pharmacy Practice, Keith McCain ’00, assistant professor of Pharmacy Practice, and Jeremy Thomas ’03, associate professor of Pharmacy Practice were elected to membership of the Rho Chi Society by the UAMS Beta Iota Chapter.

Brad Martin, professor and division head of Pharmaceutical Evaluation and Policy, provided content and research presentation posters at the 2012 European International Society for Pharmacoeconomics and Outcomes Research meeting in Berlin in November.

Keith McCain ’00, assistant professor of Pharmacy Practice, was an invited speaker at the Synthetic Drug Symposium: Investigation and Prosecution of “Bath Salts” and “K2/Spice” in September in Little Rock.

Kat Neill ’00, assistant dean for Experiential Education, Kendrea Jones ’05, assistant professor of Pharmacy Practice and Ashley Wilson ’08, assistant professor of Pharmacy Practice, co-authored “Use of an internet-based education management system to track ICU pharmacists interventions,” at the ASHP Midyear Meeting in Las Vegas in December.

Catherine O’Brien ’05, assistant professor of Pharmacy Practice, was lead author on “A survey of nutrition practices for patients with cystic fibrosis,” published online in December in *Nutrition in Clinical Practice 2012*.

O’Brien presented a poster titled “Respiratory cultures of trach dependent children” at the Enriching the Care of the Child with Complex Medical Needs meeting in Des Moines, Iowa in October.

O’Brien also provided content and co-authored research presentation posters at the North American Cystic Fibrosis Conference in Orlando, Fla. in October.

Ashley Wilson ’08, assistant professor of Pharmacy Practice, is now a Board Certified Pharmacotherapy Specialist.

Wilson presented “Nosocomial Clostridium difficile infection in ICU patients receiving acid suppressive therapy” at the ASHP Midyear Meeting in Las Vegas in December.
H. Otis Tyler, assistant dean for Diversity for the UAMS College of Pharmacy, retired in December. He began his work for the college in August 1980 as associate director of Student Affairs, a post he held until his promotion in July, 2001. He served as sponsor of the College’s chapter of the Student National Pharmacy Association (SNPhA). His leadership and mentorship guided students to high achievement and national recognition among SNPhA chapters. In addition to his work in the college, Tyler was most recently on the professional staff of the UAMS Center for Diversity Affairs, directed by Billy Thomas, M.D.

**College receives NACDS ‘Million Hearts Team Up, Pressure Down’ grant**

The College received a Million Hearts Team Up, Pressure Down public education grant for $5,000 from the National Association of Chain Drug Stores (NACDS) Foundation. The College is one of 15 recipients selected from nearly 70 applicants. The funds were used to hold community health fairs during September in Springdale that were conducted by student pharmacists from the UAMS Northwest campus, according to Scott Warmack ’98, associate dean for the UAMS Northwest College of Pharmacy.

“We are very pleased that student pharmacists, working with our faculty, conducted blood pressure and cholesterol screenings, as well as medication reviews in an effort to improve the health and wellness of patients and to help prevent one million heart attacks and strokes over the next five years,” said Warmack.

Team Up, Pressure Down is a pharmacy-based program within the Million Hearts initiative, which was launched by the U.S. Department of Health and Human Services. The Million Hearts initiative, with key stakeholders including the NACDS Foundation, aims to prevent one million heart attacks and strokes over the next five years by raising public awareness about blood pressure control, cholesterol management and smoking cessation.

**Destination Destin**

**June 13-15, 2013**

UAMS Continuing Pharmacy Education Program
Get 9 hours of Live CPH and enjoy a relaxing vacation.

For more information visit
www.pharmcollege.usms.edu/cpe/programs/
or contact Amanda Perry at 501-686-5396

**Giving Online**

Did you know you can give to the College of Pharmacy online?

It’s easy, quick, paperless!

Go to www.uamshealth.com/giving, to make an online gift (including honor or memorial) to UAMS.
At the swift rate numerous projects have been developing on the UAMS Northwest College of Pharmacy campus, it's amazing to stop and think that we're already wrapping up our second academic year.

And while the students haven’t missed a beat taking advantage of these exciting developments both in and out of the classroom, neither have faculty and support staff as we have kept moving forward offering a top-notch educational experience.

Construction has begun on our new 11,000-square-foot Student Clinical Education Center that includes a Clinical Skills Center and a student-led clinic. Our aim is to have this completed in June and ready for the start of the fall semester. Thanks to the $1.5 million gift last year from the Willard and Pat Walker Charitable Foundation to help build the center, all students at UAMS Northwest will benefit as we continue our interprofessional development.

The student center will include the Clinical Skills Center, where students will work with volunteers —known as standardized participants (SPs) — who simulate illnesses. The center will have six exam rooms, one “backstage area” for SPs and a debriefing room. A check-in area and student storage space (i.e. backpacks) will complete the facility. All exam rooms will have front and back access doors. Students will perform assessments and practice their clinical skills in a non-threatening atmosphere and they will also receive feedback from instructors monitoring their performance. Video recordings of their assessments can be played back for additional evaluation of their skills.

In addition to standardized patients, a Student Clinic will provide space in which supervised students will fine tune their clinical skills while providing much needed health services to the community. The interprofessional approach will provide structured opportunities for students to learn and practice together in cross disciplinary teams.

Another exciting opportunity for our students is the recent move of the Northwest Arkansas Free Health Center to a newly renovated space on the UAMS Northwest campus. Our pharmacy students, along with other health care students, can work together to provide no-cost services to uninsured, indigent and working poor people of northwest Arkansas.

Providing interprofessional community health screenings has been a major focus at UAMS Northwest. Last fall we screened more than 200 patients during a series of community outreach events in partnership with the National Association of Chain Drug Stores Foundation. That organization awarded us a $5,000 grant to host the interprofessional community health fairs. The free health screenings were in support of the goals of the U.S. Department of Health and Human Services “Million Hearts” campaign, which aims to prevent one million heart attacks and strokes over five years.

The students offered blood pressure checks, diabetes and cholesterol screenings, and counseled on the benefits of aspirin therapy and smoking cessation. The team reached out to the area’s Hispanic and Marshallese populations during the fairs. Additional efforts for the Marshallese community are being planned.

Thanks for all of your continued support as we forge ahead with developing and implementing the first-rate educational experience our state’s future pharmacists deserve. If you have any questions or comments, feel free to contact me at twarmack@uams.edu or (479) 713-8401.
The role of the UAMS College of Pharmacy’s Department of Pharmacy Practice is continually evolving to not only provide students with innovative ways to gain experience in their field, but to do it in a way that meets the changing expectations of health care in Arkansas.

The faculty is continuing to implement new teaching and learning methods to meet these goals, and our students are benefitting from the improved approach we’re extending to them. It’s our duty to go far beyond the traditional lecture setting to find ways to get the students more involved in learning.

An obvious way to do this is through a more “hands-on” approach that we call experiential learning. Student pharmacists at UAMS are spending more time than ever learning the profession through the mentorship of our faculty and preceptors. In addition to the required nine months of advanced pharmacy practice experiences (APPEs), students gain practical experience early in the curriculum. In these introductory pharmacy practice experiences (IPPEs), students experience medication distribution firsthand in community and hospital pharmacies.

The students are also responsible for their own advancement, since they are required to log an additional 40 hours of IPPE in a variety of settings during their third year. Students take advantage of shadowing, working in free clinics, participating in health screenings and providing “brown bag” medication reviews among other experiences. The many programs and partnerships the College has with entities such as the Mexican Consulate and the UAMS 12th Street Health and Wellness Center provide a unique venue for IPPEs and engage our students in service learning.

The students are also responsible for their own advancement, since they are required to log an additional 40 hours of IPPE in a variety of settings during their third year. Students take advantage of shadowing, working in free clinics, participating in health screenings and providing “brown bag” medication reviews among other experiences. The many programs and partnerships the College has with entities such as the Mexican Consulate and the UAMS 12th Street Health and Wellness Center provide a unique venue for IPPEs and engage our students in service learning.

The amazing response we’ve gotten from students proves that if we’re able make those experiences available for the taking, they’re more than willing to put in the time and effort.

Even in the didactic curriculum, the faculty is leading the way in implementing new teaching methods. As a College, we are nationally recognized for our work in the Objective Structured Clinical Exam (OSCE), a way of testing students in a “real-world” scenario. In OSCEs, students interact with a “standardized participant,” which is a volunteer who is extensively trained to act as a patient, family member or health care provider in a given scenario. Students learn to provide advice or recommendations while tailoring their communication to best suit the case.

Similar to the OSCE, UAMS College of Pharmacy students are also participating in team-based simulation exercises in the UAMS Simulation and Clinical Skills Center. These simulation exercises are valuable learning opportunities that allow students to see the real-time effects of their actions and provide an avenue for students to work in interprofessional groups. UAMS as a whole is making a push to give all students on campus the tools to work more effectively in a team setting, and the College of Pharmacy is a playing a major role in not only the development of interprofessional curriculum, but also experiential education. The UAMS 12th Street Health and Wellness Center is a prime example of this.

Several faculty members in our department are also embracing the method of team-based learning (TBL). In TBL, groups of four to six students discuss and debate possible solutions to questions and problems posed by faculty. These sessions give faculty the opportunity to present more advanced material and to engage the students in the learning process.

The department is committed to teaching our students in fresh and innovative ways to continue producing the highest-caliber pharmacy graduates ready to enter the profession. We’re grateful for the support of our preceptors and alumni. If you are interested in participating in the education of our students, please don’t hesitate to contact us at afranks@uams.edu or (501) 296-1296.
While reflecting on all that has transpired in my relatively short time on campus during the recent College of Pharmacy Donor Recognition Dinner, it really is quite a feat what our department has accomplished.

And it’s a testament to the leadership and support staff we have in place and continue to acquire that we’ve not only made strides in output, but also in quality that is being recognized on a national scale.

One piece of the College’s four-pronged strategic plan for the future is to advance the science of pharmacy and create opportunities through drug discovery and development, which is what we aim to do in the Department of Pharmaceutical Sciences. A central piece to that has been the new drug discovery laboratory complex that was finished last year. The 4,000-square-foot, state-of-the-art space includes drug synthesis, analytical and core labs and a new nuclear magnetic resonance spectrometer that positions us for achieving national prominence.

This is already paying off, as we’re in the middle of five significant research collaborations with other units across the UAMS campus. Some of these exciting projects include groundbreaking work in the treatment of glioblastoma with Michael J. Borrelli, Ph.D., professor and director of research, and Marc Berridge, Ph.D., professor, both in the College of Medicine’s Department of Radiology. Through this collaboration we are able to utilize the cyclotron and PET scanner to obtain real-time information on the growth inhibitory properties of our novel brain tumor agents in animal models, which is a unique feature that not all colleges of pharmacy are able to make use of. Another productive collaboration is with Robert Eoff, Ph.D., in the College of Medicine’s Department of Biochemistry and Molecular Biology; this research has already led to a patent application and a publication in review on the role of thiobarbituric acids as inhibitors of DNA repair and replication stress response. We have also three other active collaborations on the development of new anti-cancer agents with Dr. Angus Macnicol in the Department of Neurobiology and Developmental Sciences, and Drs. Paul Prather and Alexei Basnakian, both from the Department of Pharmacology and Toxicology.

The Department of Pharmaceutical Sciences has shown a sustained and significant increase in external grant funding, with both submitted and awarded grants increasing markedly. The national American Association of Colleges of Pharmacy rankings last year showed us jumping up the charts from 39th to 24th in grant and contract funding, pushing us ahead of many highly respected programs. This is a measuring stick that shows we are moving forward with our goal of becoming one of the top pharmacy research programs in the country.

Perhaps most importantly, we have cemented ourselves as a viable research arm on campus, having secured the honor of being UAMS’s choice for a Center of Biomedical Research Excellence submittal for a five-year, $10.6 million grant. Martin Hauer-Jensen, M.D., Ph.D., associate dean for research, director of the Division of Radiation Health in the College of Pharmacy and staff surgeon at the Central Arkansas Veterans Healthcare System, led this effort that will help fund the research of our tenure-track faculty to ensure that they get the support they need to continue their important research activities. We feel good about being the one project chosen from other UAMS submittals, if only to be recognized as a formidable research player on campus.

An additional measuring stick has been our dramatic increase in scholarly activity, which has grown by nearly four times the amount from the previous year in peer-reviewed articles, books and book chapters.

And, of course, the Ph.D. program the College has sought for many years was launched in January and already has four graduate students enrolled. It has three major tracks, two in Pharmaceutical Sciences and one in Pharmaceutical...
Seth Heldenbrand, Pharm.D., Ed.D
Assistant Professor,
UAMS College of Pharmacy

Education
Undergraduate studies at University of Central Arkansas; Pharm.D. at UAMS College of Pharmacy, 1997

Professional History
I gained experience in the long-term care and retail settings before coming to UAMS to work in the chemotherapy infusion center. Working there exposed me to oncology clinical pharmacists and what they were able to do for their patients. I soon discovered that the fastest path to clinical practice was through a pharmacy residency. I completed a general pharmacy practice residency (with a focus in oncology) at the UAMS
Attention Pharmacists & Technicians!

The mandatory implementation date to begin receiving your ACPE credit using NABP’s online system CPE Monitor was January 1, 2013. This is a way for pharmacists and technicians to monitor their Continuing Pharmacy Education (CPE). For more information or to sign up please go online to: www.mycpemonitor.net.

Events

Continuing Pharmacy Education

April 28th
Jonesboro
3 Contact Hours

May 19th
Little Rock
3 Contact Hours
(This program may be broadcast live to Texarkana & Fayetteville)

June 13-15th
Destin, Fla.
9 Contact Hours

August 25th
Magnolia
3 Contact Hours

October 20th
Little Rock
6 Contact Hours
(This program may be broadcast live to Texarkana & Fayetteville)

October 29th
Mountain Home
2 Contact Hours

December 1st
Little Rock
6 Contact Hours
(This program may be broadcast live to Texarkana & Fayetteville)

*Please note these dates are subject to change

For the latest information please visit our website at www.pharmcollege.uams.edu/cpe or contact us at ASPerry2@uams.edu or by phone at (501) 686-5396.
Fred’s Pharmacy Sponsors P2 Professionalism Dinner

All members of the College’s second-year class participated in the College’s fifth Professionalism Dinner in January, thanks to sponsorship from Fred’s Pharmacy. Students and faculty facilitators enjoyed dinner at Pleasant Valley Country Club, while learning valuable tips on professional etiquette. “The event provided an opportunity for Fred’s pharmacists and guests to interact with students, share ideas on professionalism, and help support the College in providing events that are educational as well as fun,” said Dean Stephanie Gardner.

From left, Fred’s pharmacists Susan Resinger ’96, Tammy White ’93, Amy Johnson with her daughter Katie, Sally Kalkbrenner ’91/’00, and Roby Mosby ’97 his with daughter Riley.

Student Event Sponsorship Opportunities

If you’ve ever wanted to support student pharmacists with an event while sharing your message, these and other opportunities are available.

• Sponsor an NCPA monthly meeting.
• Sponsor a student to attend an NCPA Ownership Workshop.
• Sponsor an APhA-ASP monthly meeting.
• Sponsor a student picnic.

Contact Jan Hastings at (501) 686-6472 or jkhastings@uams.edu

Alumni and Friends Honor Former Dean Larry Milne with Scholarship Gifts

Amanda Perry, director of Continuing Pharmacy Education, Larry Milne, and Jon Wolfe, director of Planned Giving, visit on Milne’s last day at UAMS.

Larry D. Milne, Ph.D., former dean of the College of Pharmacy, retired from the University of Arkansas for Medical Sciences as vice chancellor for academic affairs in 2012. He had served in that position since 2003. To honor his retirement, gifts amounting to almost $9,000 were received from alumni and friends for the L. D. Milne Endowed Scholarship, established by Milne and his wife Phyllis Milne when he left the College after serving as dean from 1977 to 2003. Gifts to honor him in this way may still be made on-line at www.uamshealth.com/giving. You may also pay by check, made out to UAMS Foundation Fund-College of Pharmacy and mailed to UAMS College of Pharmacy, 4301 W. Markham St. #522-1A, Little Rock, AR 72205
Dean’s Advisory Council

The Dean’s Advisory Council met in February, welcoming 10 new members. The Council is a group of high level leaders from both public and private sectors whose purpose is to provide a channel of communication between the professional and business communities and the College and to assist with advocacy, philanthropy, and general advancement of the College.

New Scholarship Opportunity Available for Incoming Student Pharmacists

A new scholarship now available for incoming students is the Hastings-Loe Scholarship. Established by Jan Hastings, associate dean for Development, and her family, it is for students from the southwest Arkansas counties of Clark, Columbia, Dallas, Garland, Grant, Hempstead, Howard, Hot Spring, Lafayette, Miller, Montgomery, Nevada, Ouachita, Pike, Polk, Saline, or Union, or Bowie County in Texas. A minimum 3.0 GPA and a PCAT score of 50 or higher are the academic requirements.

Four other scholarships are also specifically for incoming first-year students. The Larkin Family Endowed Scholarship is available to students from Crawford, Franklin, Logan, Scott or Sebastian counties, with an interest in community pharmacy and a minimum of 2.5 GPA, and a letter of recommendation from a pharmacist.

The Robert H. Manley and Robert N. Manley Endowed Scholarship is available to students from Johnson, Pope or Franklin counties who have significant backgrounds of diversity and an interest in community pharmacy.

The Phillips County Scholarship is available to students from Phillips County who submit a letter of recommendation from a pharmacist in the county.

Finally, the Rhea Freshman incentive is awarded to a student demonstrating leadership and an interest in community pharmacy.

Meeting financial responsibilities of graduate education is a problem that faces all students at UAMS College of Pharmacy. According to the 2012 Senior Salary Survey, our students leave the College with almost $100,000 in debt. One of Dean Gardner’s top priorities for 2013 is the establishment of more student scholarships.

Students applying or considering application to the College who would be interested in any of these scholarships, should contact Christel Cater, recruiting specialist, at cdcater@uams.edu or (501) 686-6282.
Fund Raising Priorities Set

The faculty recently established a new strategic plan for the next five years that can be found on-line at www.pharmcollege.uams.edu/about/strategic-plan. Based on this plan, new fundraising priorities have emerged to move the College forward in the next few years. In order for the College to continue to grow, and in the spirit of our strategic plan, the priorities are in the three primary areas:

1. Student-Centered Learning
   a. Scholarships
      The minimum scholarship is $25,000, which endowed in the University of Arkansas Foundation Fund will generate $1,000 that may be awarded as an annual scholarship. Due to the success of the Foundation, the fund will continue as income is reinvested.
   b. Interprofessional Education
      We are partners with the colleges of Health Related Professions, Medicine, Nursing, Public Health and the Graduate School at UAMS to work on the 12th Street Health and Wellness Center as well as to provide interprofessional teaching and learning experiences for all students.
   c. Postgraduate opportunities (residencies, graduate student stipends)
      Additional funds are needed for the existing Postgraduate and Fellowship Professional Development Endowment Fund to benefit residents, enhance the College’s ability to expand its graduate program and ultimately to strengthen our faculty and the profession.

2. Drug Discovery
   a. Chair, Radiation Health
      This chair will aid researchers in the study of interactions between ionizing radiation and various normal tissues of the human body and in developing pharmaceutical interventions that can prevent the adverse effects of radiation in normal tissues.
   b. Chair, Drug Discovery
      Income from this chair will provide additional highly qualified experts whose work will have a dramatic impact on the research enterprise in Arkansas; support for graduate students who aid in research; postdoctoral fellow training in cutting edge technology that will move the drug discovery field forward; new equipment needed to replace some that is past its useful lifetime but is used on a daily basis; and advanced technology to keep pace with new and emerging discoveries.

3. Development of New Practice Models
   a. Chair, Practice Innovation
      This chair will help fund an expert in applying knowledge and technologies related to health outcomes research, medication safety, or personalized medicine. This work will create new roles for pharmacists, particularly in community settings. The expert will lead our students to develop entrepreneurial and business skills essential to applying new approaches for pharmacy in the changing healthcare environment. Programs will then be established that create nationally prominent models of innovation and entrepreneurship in pharmacy practice by linking pharmacy expertise within the College to health care providers in community pharmacies in the state.

Check out the new dedicated alumni section on the UAMS website at alumni.uams.edu. While you’re there, see the new UAMS Giving website at giving.uams.edu. See the new and improved online gift form at giving.uams.edu/giveonline.

Class Scholarship Program is Launched

The classes of 1952, 2003, and 2004 all have something in common. Their members have joined together to establish scholarships for current students. These are three of the College’s 27 endowed scholarships. They are now being joined by the Class of 2013, which will start a new scholarship this year. “We hope every class will want to join together to have their own scholarship,” said Jan Hastings, associate dean for development. “With the great need of our students, it would be wonderful if every class could help with an endowed scholarship. Many people don’t know it takes only $25,000 to set up a scholarship and it can be paid out over 3-5 years,” she added. Hastings asks class members considering scholarship established to see the Steps in Establishing an Endowed Scholarship on the College’s website at www.giving.uams.edu/copendowedscholarships or contact her at (501) 686-6472 or jkhastings@uams.edu.
A new Ambassadors program has been established for College of Pharmacy graduates and friends who want to use their leadership skills to:

- Help with career and recruiting events
- Network with students and faculty
- Provide feedback on programs
- Volunteer at 12th Street Health & Wellness Center
- Speak to classes and organizations
- Help host alumni and friend events
- Support the College with time, talents, gifts

The program provides members with volunteer opportunities, while giving our students valuable interactions with professional mentors beyond the College.

For information on the Ambassadors, contact Jan Hastings, associate dean for Development, jkhastings@uams.edu, (501) 686-6472 or go online at www.giving.uams.edu/copambassadors.
American Pharmacist Month Activities

The College’s American Pharmacists Association – Academy of Student Pharmacists (APhA-ASP) and National Community Pharmacists Association (NCPA) worked together to promote pharmacy to Arkansans during American Pharmacists Month activities in October. The organizations again partnered with Kroger to provide free health screenings at 28 pharmacies across the state. Kroger provided the testing supplies.

Students also participated in the national Make Your Mark in the Media Day in October by taking to the airwaves on local radio channels, promoting the profession, and administering a flu shot to local TV host David Lipschitz during “The Dr. David Show.”

From left, David Lipschitz with fourth-year student Heather Reddel, Anne Pace, assistant professor of Pharmacy Practice, and fourth-year student Raney Rogers.

First-year student Kristen Glover and second-year student Dylan Jones talk about pharmacy to listeners on KARN.

Third-year students Josh Brown, Lindsey Dodd, Helen Chang and Kaitlin Peckham at a Kroger health screening.
College Team Wins NCPA Business Plan Competition

A team of five student pharmacists won the prestigious National Community Pharmacists Association’s (NCPA) Good Neighbor Pharmacy NCPA Pruitt Schutte Student Business Plan Competition during the organization’s annual convention in October in San Diego. The 9th annual competition brought three teams of students together to present ideas of community pharmacy ownership.

Besting 40 other entries, the three finalists – UAMS, University of Kentucky College of Pharmacy and the University of the Pacific Thomas J. Long School of Pharmacy & Health Sciences - presented their plans before a panel of judges at the convention. The team’s first place prize brought $3,000 to the NCPA student chapter, and $3,000 in the Dean’s name to promote independent pharmacy at the school. The team members, team advisors, and Dean Gardner received complimentary registration, travel, and lodging to the Multiple Locations Conference (formerly the Independent Chain Conference) held in Aruba in February.

SNPhA Screens at 10 Fitness

The College’s chapter of Student National Pharmaceutical Association coordinated a screening event with 10 Fitness in Little Rock in January. Fourteen members of the organization, joined by College of Medicine students, provided blood pressure, blood glucose and body mass index testing, as well as education related to the screenings, to 60 members of the fitness center.

Second-year student Micah Thames, center, and third-year student Marlene Battle, right, screen a patient during the 10 Fitness event.
Know Your Mallards,
Know Your Medicine

Students outside of Mack’s Prairie Wings in Stuttgart.

Student pharmacists screened 154 patients during the “Know Your Mallards, Know Your Medicine” themed screening held on the opening day of duck season in November, at Mack’s Prairie Wings in Stuttgart. The screening included blood pressure readings, body mass index, blood glucose testing, heartburn awareness, and tobacco cessation counseling. Patients hailed not only from East Arkansas but Alabama, Alaska, Florida, Georgia, Tennessee and Virginia, in town to duck hunt on the big day.

UAMS Named APhA-ASP Chapter of the Year!

The College’s Chapter of the American Pharmacists Association-Academy of Student Pharmacists (APhA-ASP) received the National Chapter of the Year Award at the APhA annual convention in March. The award was given for the 2011-2012 academic year, under the leadership of fourth-year student Allison Hollis. Eddie Dunn, associate professor of Pharmacy Practice, and Melanie Claborn, assistant professor of Pharmacy Practice are the ASP advisors; Charles Born also served as advisor for ASP until his retirement in 2012. This is the fourth time the College has received the award since its inception in 2000, winning in 2006, 2009 and 2011. In addition, third-year student Brandi Hamilton was installed as national president of the APhA-ASP for 2013-2014. ASP also won the National Patient Care Award-Operation Heart, as well as Region 6 awards for Operation Diabetes and Operation Heartburn.

Hamilton is sworn in as National President of APhA-ASP.
Prescription Drug Take Back Events

First-year students Tessa Wiley and second-year Ashley Wilson staff the prescription drug take-back event in the UAMS Main Hospital Lobby.

Third-year students Lauren Miller and Shawn Sellers on the set of KARK’s Arkansas Today program.

In conjunction with the University of Arkansas for Medical Sciences and the Arkansas State Police, ASP co-hosted prescription drug take back events in September. To promote the events, student pharmacists were guests on mid-day news programs to talk about proper prescription drug disposal. More than 160 pounds of unused prescription drugs at events held across Little Rock, were properly disposed of.

StudentBriefs

Third-year student Josh Brown has been selected as one of four 2012 Express Scripts Scholars, formerly known as Medco Scholars. The program recognizes students working toward dual degrees with up to $10,000 in tuition assistance, $2,500 for four semesters.

Fourth-year students Daniel Hubbard and Lucy Nguyen represented the College in December at the American Society of Health-System Pharmacists Clinical Skills Competition in Las Vegas.

Second-year student Dylan Jones was featured in a photo essay about national American Pharmacists Month activities in Nov. 2012 issue of Pharmacy Today.

Second-year student Ashley Paladino has been appointed to the APhA-ASP Student Pharmacist magazine editor’s advisory board through March 2014.

Second-year student Brooks Tune was the winner of the College’s Patient Counseling Competition sponsored by Target, collecting a $1,500 prize. Third-year students Rachel McCaleb took second place and a $750 prize, and Neil Roe was third place, receiving $250. Tune represented the College at the American Pharmacists Association – Academy of Student Pharmacists national counseling competition in Los Angeles in March.
Students

UAMS Chapter of SNPhA
Gets Memorable Lesson in Pharmacy Ethics by Nate Hinkel

Born in Virginia in 1920, Lacks was only 31 years old when cervical cancer claimed her life. Although she has been dead for more than 60 years, her “immortal” cells — known as HeLa cells — have influenced — and continue to influence — research and major medical breakthroughs in ways no one could have predicted. Curiosity about these “immortal” cells — and where they originated is what led journalist Rebecca Skloot on a years-long quest to uncover the story of Lacks and the ethical questions her unknowing contribution to science raise.

Skloot, along with members of the Lacks family, visited the University of Arkansas for Medical Sciences (UAMS) on Oct. 22 to discuss her best-selling book on the subject, “The Immortal Life of Henrietta Lacks.” And several students in the UAMS chapter of the Student National Pharmaceutical Association were lucky enough to visit with members of the Lacks family during a special luncheon.

“Having lunch with the Lacks’ family provided a personal touch to a story that changed scientific history while uncovering the injustices transcended to get to that accomplishment,” said Iddy Mugambi, a 2014 Pharm.D. candidate at UAMS. “The whole experience catered a new focal point and body to my progression through the rest of my curriculum. What good am I to the pharmacy field if I am not able to promote a need for improvement of social and health outcomes in my own community?”

Kendrea Jones, Pharm.D., assistant professor of Pharmacy Practice and advisor to the UAMS chapter of the SNPhA, said that all first- through third-year UAMS pharmacy students were required to read the book, as it was attached to some core classes and a law and ethics course.

“The book is an excellent tool in getting students to think about pharmacy from the standpoint of ethical dilemmas and from a

From left, Jeri Lacks-Whye, Henrietta Lacks’ granddaughter, third-year student Taylor Hamilton, David “Sonny” Lacks, Henrietta Lacks’ son, third-year students Marlene Battle and Iddy Mugambi
health literacy angle in how to better communicate with patients,” Jones said. “It’s proven to be a great conversation piece that opens many doors to being more efficient in our profession.”

Joining the book’s author, Skloot, were Henrietta Lacks’ son, David “Sonny” Lacks, and granddaughter Jeri Lacks-Whye.

A poor black tobacco farmer in Virginia, Lacks developed cervical cancer at 30. While being treated at Johns Hopkins Hospital in Baltimore, some of her cancer cells were removed, taken to a lab and put in test tubes where they inexplicably began to multiple at surprising rates. Until this point, no one had been able to keep human cells alive for more than a few days. Scientists quickly realized they had the first “immortal” cells and began disseminating them to laboratories across the country — and ultimately around the world — for research purposes.

The opportunity to speak with members of the Lacks family wasn’t all business, as H. Otis Tyler, M.S., the assistant dean for Diversity at the UAMS College of Pharmacy/Center for Diversity Affairs, talked shop with Sonny Lacks.

“I was able to ask Sonny if his family grew ‘shade’ tobacco as oppose to ‘sun’ tobacco,” Tyler said. “After a big smile and a laugh, he was surprised at a question for growing tobacco, but he said they grew ‘sun’ tobacco and proceeded to explain the differences in the two processes. It was a real pleasurable experience to speak with them.”

Lacks died not knowing that her cells were being used in research or that they would continue to impact medical discoveries for the unforeseen future.

While the idea that Lacks never gave consent for her cells to be used in research may seem to breach today’s ethical standards, it was commonplace in the 1950s. The ethical “heart of the story” came into play in the 1970s, when researchers contacted the Lacks family for the purpose of engaging them in related research. It was then that the family first learned about the cells’ existence and the fact that they were being sold for profit.

“Learning about the life of Henrietta Lacks has truly been an inspiration to me personally and very motivational to my future career as a pharmacist,” said Marlene Battle, a 2014 Pharm.D. candidate at UAMS. “I am glad to have had an opportunity to learn about her story and of her major contributions to the field of science. As an upcoming pharmacist, it is my desire to have a positive impact on the lives of the community by providing outstanding services, especially within the minority populations. Interacting with Henrietta’s son and granddaughter brought the words from the pages of the book to life and I am thankful for the opportunity to have met her family and to learn of her through the book.”

Continued from page 16

Evaluation and Policy, with as many as six students admitted annually who will augment research and supply the state with Ph.D.-level pharmaceutical scientists.

With all of this happening, I’d also like to give a special nod of appreciation to Ashley Castleberry, Pharm.D., a recent College of Pharmacy graduate who stepped into a crucial teaching role as a new instructor in the Pharm.D. program this semester. She taught a significant section of the Pharmacology II course. It is my hope that her teaching role will continue to grow in the College, since she is widely respected by faculty and students on our campus here and at UAMS Northwest. The great news is that Ashley has recently been appointed as an assistant professor in the department of pharmaceutical sciences, where she will continue to contribute to our teaching, research and service missions.

If you have any questions or comments, I’d be happy to hear from you and can be reached at (501) 686-6495 or at pacrooks@uams.edu.
G. Keith Larkin, Pharm.D.
MediSav Pharmacy, Fort Smith

Family
Wife, Cindy; son, Blake.

Education
B.S. in Pharmacy, University of Oklahoma School of Pharmacy; Pharm.D., UAMS College of Pharmacy.

Professional Information
37 years practicing retail pharmacy at MediSav Pharmacy in Fort Smith; long-term care consultant for 25 years.

Reason you are a pharmacist
I started as a stock boy at 15. I loved the work and the interaction with the people. After a colorful college life, I decided to go to pharmacy school. I am not sure what I wanted to do with this knowledge, but I graduated, came home and worked with my family, the other pharmacist in the area and got to know our patients. I soon realized I was at home in pharmacy. I felt respected in the
community, plus it offered me a much-better-than-average living.

What benefits do students bring to your practice?

It is easy to say we learn more from our students than they do from us, and it’s true. As an example, MediSav started its perpetual inventory after a comment was made by a student. She had seen it work at another pharmacy, and they had their inventory under control.

A student convinced me that clinical pharmacy and retail pharmacy could work hand in hand to make for a better profession. I have watched his career, and he is taking what he learned and proving it to be true. Another benefit I see is the interaction between the students and my technicians. I see them teaching each other — the techs teach about how our system works and the students teach about what other places do. The mutual respect prompts the techs to appreciate their jobs even more.

What are some services that students provide in your practice?

Most recently they helped with the various flu clinics we hold. During the clinics, the students perfect their technique and enjoy the personal interactions with patients. When we need information at a touch, they have it. They whip out that iPad or iPhone and the info is there. Technology is second nature to them.

One other thing I enjoy is the legacies. For example, this month I have fourth-year student Chris Cooper, grandson of Charles Cooper ’65, on a rotation. Chris is not the first of his family to follow in his granddad’s footsteps, and we have been fortunate to have them in our pharmacy, also.

Your best advice for aspiring pharmacists

Being a pharmacist is wonderful. There is good money to be made and a good future. When you get frustrated, just stop and take account of what your profession has given you. That will balance things out. One other piece of advice is “don’t forget who brung you to the dance.” By this, I mean, promote the profession because of the pride you feel for it, or help to prepare students who will be ready to take over when you want to retire. A contribution of your knowledge, time or money would be well spent. You went to school, worked hard to get through and paid your way, so you may say, “Why do I want to give anything back?” It is easy to get this in your mind set, but a little contribution along the way can make a large difference, for the school but also for you. Trust me, this is good advice.

Mentors or role models in your life and pharmacy practice

Of course my brother, Joe Larkin, and getting to work with my family. We were influenced by Maynard Lyons and his wife Hazel, of Lyons Drug Store in Lonoke. My personal mentor was John Blodgett of Blodgett Drug in Jacksonville.

Church/Hobby/Community

• Member of Eastside Baptist Church
• Past president of District 7, Arkansas Pharmacists Association
• Past president and board member of the Boys Shelter of Fort Smith (25 years)
• Board member of the Girls Shelter of Fort Smith
• Assistant leader of Troop 4, Boys Scout of America, Fort Smith.

Think of the College when making Memorial and Honor Gifts

Honor and Memorial Gifts are fitting ways to mark important events in the lives of College of Pharmacy alumni and friends. Honor gifts may be made to celebrate weddings, graduations and births. Memorial gifts are meaningful ways alumni and friends of the College can honor deceased family members and professional associates.

Also, when you make your estate plans, consider adding the College as a beneficiary of memorial gifts made in your honor.

To make tax deductible honor or memorial gifts, please send checks made out to:
UAMS Foundation Fund
College of Pharmacy
4301 West Markham Street #522-1A
Little Rock, AR 72205

You can also make your gift online at www.uamshealth.com/giving. All gifts will be acknowledged from the College, including a specific reference to your honor or memorial purpose.
Welcome Class of 2016!

First-year student Brian Davis, receives his white coat, assisted by third-year student Amy Hilliard.

First-year student Morgan Newton, left, with parents Susan ’87/’07 and John Newton.

First-year student Kellen Pierce, left, and his brother Tyson Wallace ’04.

From left, first year students Mattie Ballentine and Haylee Bergquist at the White Coat ceremony.

The Class of 2016 White Coat Ceremony was held in August at the Pulaski Academy Connor Performing Arts Center. More than 500 parents, family and friends attended, helping faculty and staff welcome incoming students to the College.
Open House Welcomes Families to College

The Parents Club hosted the third Family Open House in August. It was an opportunity for families to visit the campus and view some of what their student pharmacists experience daily. More than 150 visitors toured the Clinical Skills Center where they saw how students learn to counsel patients, watched students compound ingredients in one of the educational labs, and visited with members of the College’s 12 student organizations, faculty representatives and College leadership.

1. Fourth-year student Raney Rogers, second left, with first-year student Joseph Zavala, right, and his family.
2. Fourth-year student Kevin Barton, right, talks as the family of first-year student Jennifer McDowell, second left, looks on, about the Student Ascultation Manikin (SAM), in the Clinical Skills Center.
3. First-year student Brian Davis, second left, and his family.
4. Second-year student Lauren Garner, right, mixes cuticle oil, while first-year student Sierra Burris, left, and her mother observe.
5. First-year student Diedra Dourth, second left, and her family.
Students ♥ Exam Snacks!

First-year students Abigail Agatep, left, and Megan Phillips grab some cookies made by first-year student Kirbi McMullin’s grandmother.

From left, first-year students Kyle Conner, Cody Schwieso and Joseph Zavala stop at the snack table.

Give a Gift to Honor Your Student

As we come to the end of this academic year, you may wish to make a gift to honor your students’ achievements, or to congratulate them as they cap off their pharmacy education. A gift to one of the College’s 28 endowed scholarships, to her class scholarship, or to the Parents Club Furniture Fund, would be a meaningful gesture.

To view the list of endowed scholarships, or for more information about the furniture campaign, visit the College’s website at www.pharmcollege.uams.edu and choose the Alumni tab at the top of the page.

Luncheon Shows Club’s Appreciation

For the fifth year, Parents Club members treated the faculty and staff to a Mexican-themed meal for the Faculty Appreciation Luncheon in October. Members donated 26 gift cards as door prizes during the luncheon.

From left, Eddie Dunn ’79/’94, associate professor of Pharmacy Practice, left, Elvin Price, assistant professor of Pharmaceutical Sciences, and Parents Club members Carol and Harold Barr at the luncheon.

Thoughts from Parents Club members, read during the luncheon:

“Our family is grateful for the UAMS College of Pharmacy, present and past faculty! In our opinion, there is no other Pharmacy School like UAMS. For all of us, many good memories and friends have been made while attending pharmacy school and staying connected through the years.”
- Rebecca and Tommy Black ’74, parents of third-year student Lisa Black

Would you like to renew your Parents Club membership online?
You can do it in four easy steps!

2. Select “a specific college” and list “Parents Club” in the box provided.
3. Give a gift of at least $50 to renew your membership.
4. Complete the form and you’re renewed!
Happy 10th Anniversary to our Alumni Association! In 2003, I joined a group of alumni and faculty who met on campus to form our association. We owe a great deal to Dean Gardner and to the leaders who helped start the association. I feel honored to be the most recent to be following in the footsteps of these past presidents:

- Dr. Michael D. Smith ’77
- Dr. Trey Gardner ’98
- Dr. Sue Frank ’74
- Dr. Jason B. Hawkins ’98
- Dr. Rob L. Christian ’00
- Dr. Brandy M. Owen ’00
- Dr. Cheryl L. Bryant ’04

We especially appreciate Mike Smith for his early leadership as the first president. The hard work of many in those initial days resulted in the fulfillment of our goal — to build an organization that would provide networking and fellowship for our graduates.

Today, recruiting is our association’s top priority. Our area reps are assisting our new recruiter Christel Cater (see article on page 10) in visiting schools in our areas and talking to students about our profession. Our goal is to help identify and support prospective students. I encourage you to contact Christel at cdcater@uams.edu if you would like to participate.

We are working with the College to celebrate the 10th year of our association during the All-Alumni Reunion Party at the Arkansas Pharmacists Association (APA) convention in June in Little Rock. The classes of 1953, 1958, 1963, 1968, 1973, 1983, 1988, 1998, 1993, 2003 and 2008 will have special reunions, but all alumni are invited to attend this fun party. The members of the Class of 1963 will be presented with medallions celebrating their 50th year as graduates. We also plan to honor past association presidents during the reunion party. If you would like to be part of your reunion planning committee, please contact Jan Hastings ’79/’94 at (501) 686-6472 or hastingsjank@uams.edu. Details will be provided via mail, website and Facebook.

We continue to have fun, well-attended events. More than 70 guests attended a dinner for alumni and friends that we co-sponsored with the APA during the National Community Pharmacists Association annual meeting in San Diego last October. Congratulations to our team for winning the Pruitt-Schutte Business Plan Competition! (See details on page 24.)

In addition, the Alumni Association hosted a reception for nearly 60 Arkansas-related attendees during the American Society of Health-System Pharmacists Mid-Year meeting in Las Vegas in December. Our third annual holiday event, featuring “White Christmas” at the Arkansas Repertory Theater in Little Rock, brought together 100 alumni and friends for a reception and highly entertaining show. Look for this successful event to be continued. Finally, we co-hosted with the APA a Day at the Races Continuing Pharmacy Education Program on Feb. 22.

These are great opportunities to bring alumni and friends together and give the College a presence at national meetings. Details about all of these events are on our Alumni and Friends website at www.pharmcollege.uams.edu.

Please join me as a Facebook fan of the Alumni Association and keep up with what’s happening at the College by going to UAMS College of Pharmacy Alumni Association. We have more than 600 friends now, and that keeps our site busy and active. We are connected with several other sites at the College, so you can keep up with everything that’s going on by checking the association’s site frequently. You’ll find photos there from events and other happenings at the College.

Finally, please look over the list of Alumni Association Area Representatives in this magazine and let your rep know if you would like to be more active in the association. You can contact me anytime at justin@colemanrx.arcoxmail.com with ideas and questions. Thank you!
Bill Altland ’80, of Craig, Alaska, served as a volunteer pharmacist for two months in late 2012 on the hospital ship Africa Mercy, which was docked in Conakry, Guinea, West Africa.

C. Michael Bailey ’83 of Bryant, recently celebrated 20 years with Biotechnical Services Inc. of North Little Rock.

Clint Boone ’10, of Little Rock, was named one of Arkansas Business 20 In Their 20s for 2012.

Rachel Casey ’09 of Warrensburg, Mo., was chosen as the Company Grade Officer Society of Air Force Pharmacist of the Year for 2011.

Tim Finley ’94, of Benton, celebrated the grand opening of Finley Pharmacy in October.

Edith and Eddy Lemons, both ’70/’97, their daughter Christina Bowers and son-in-law Johnny, both ’97, all received their Pharm.D. degrees from the College on May 17, 1997. In the photo, you can see all four diplomas are lined up along the wall in their family pharmacy, Lemon’s Prescription Shop, in Morrilton.

Gary Clark ’63, of Kissimmee, Fla., and his miniature schnauzer, Max, volunteer each Thursday at Give Kids the World Village, a resort offering cost-free experiences to children with life-threatening illnesses and their families. Recently, Gary and Max, a certified therapy dog, logged more than 3,000 visits with children at the village, and were featured on the Give Kids the World Blog.

Find us on FACEBOOK! UAMS College of Pharmacy Alumni Association
Rebecca Benson Mitchell ’08, of Jonesboro, was named one of Arkansas Business 20 In Their 20s for 2012.

Baker Peebles ’52, of Hermitage, and wife, Edith, celebrated their 60th wedding anniversary on Christmas Day 2012.

Kristen Riddle and her father Eddie Glover celebrate the grand opening of the new location of U.S. Compounding in Conway.

Kristen Riddle ’02, of Conway, was featured on the cover of the December 2012 issue of America’s Pharmacist magazine, and in an article about compounding pharmacies.

NCPA chapter advisor Anne Pace, Turnage, third-year students Tim Eubanks and Heather Taylor, and second-year student Brandon Achor.

Ray Turnage ’70, of Little Rock, spoke at a National Community Pharmacists Association chapter meeting about independent pharmacy ownership. If you are interested in speaking to students about your experiences in the profession? contact Schwanda Flowers, associate dean for Student Affairs and Faculty Development, at skflowers@uams.edu or (501) 686-7920.

Alumni Visits

Earl Rogers ’69, of North Chesterfield, VA, visiting in June with Allison Hollis ’13 and Brandyn England ’13.


Crystal Atwell ’07 of Alexandria, Va., representing the American Pharmacists Association, and Cheryl Bryant ’04 of Little Rock, representing Walgreens, visited the College in August to speak to students at the ASP meeting.
Melissa Brown, Pharm.D.
Medical Arts Pharmacy, Fayetteville

Family
Husband Robert COM ’96; Sam, 10; Mary, 6.

Education
Prerequisites at University of Tulsa and University of Arkansas; UAMS College of Pharmacy ’97, then residencies at UAMS Medical Center and Family Medical Center (Area Health Education Centers)

Professional information
Began my career in pharmacy 15 years ago (holy cow!)
Reason you are a pharmacist
I wanted to do something health related, and I have family in pharmacy.

What do you like most about being a pharmacist
Educating patients, when they really understand what you’ve taught them, and they are sharing that with others in the group.

What you like least about being a pharmacist
Insurance billing. Now that I do a lot of provider billing, I can see why physicians need staff just for this purpose.

Your best advice for aspiring pharmacists
See and experience all the practice opportunities that you can. Don’t get stuck on just retail or just hospital - there is SO much more!

Mentors or role models in your life and pharmacy practice
Definitely my dad; and also my friend, Michael Smith, who helped keep me sane in pharmacy school and still does today.

Your best memory of UAMS
Late night studying on the 6th floor with Terry Engstrom, Angela McDaniel and Frank Fowler. Good times!

Your favorite faculty member at UAMS
Dr. Born

Church/Hobby/Community interests
Trout fishing and running.

Funniest memory from Pharmacy College
When Tony Wilson got food poisoning from the salmonella culture in the microbiology lab.

Family members who are in pharmacy
Tom Morrison, cousin; Thad Morrison ’91, cousin; Elizabeth Morrison ’91, married to Thad; Trey Gardner ’98, a cousin of a cousin-in-law. Which just goes to show you that Arkansas pharmacy is a small world.
Alumni Events

APA District Meeting Receptions

The Alumni Association hosted receptions in Bentonville and Little Rock, in conjunction with the Arkansas Pharmacists Association’s (APA) District Meetings in September.

Dennis Jackson ’04 and his mother Cindy Jackson ’96 at the Little Rock reception.

Buddy Grifford ’68 and Jason Finley ’06 at the Little Rock reception.

Rick Rogers and his daughter Myka Tabor ’12 at the Little Rock reception.

During the Arkansas Pharmacists Association Annual Convention
Friday, June 7
6:00 p.m.
Museum of Discovery, Little Rock
$40 per adult, Free for children under 12

The Alumni Association will present the Class of 1963 with their Half Century medallions, honoring their years of practice as graduates of UAMS.

Reunions are open to all alumni regardless of graduation year and their guests.

Register at www.arpharmacists.org/annual-convention

UAMS CLASS REUNIONS
Night at the Rep

Nearly 100 alumni, students, faculty and friends attended the annual Night at the Rep event in December at the Arkansas Repertory Theatre in Little Rock. Attendees enjoyed a reception in Foster’s at the Rep, before a showing of the holiday classic, “White Christmas.”
New Arrivals

1. Jackson Thomas, grandson of Donna and Thomas Lowery ’65
   Colton Bradley, Kelli (Cunningham) ’01 and Blake Gillis, Oct. 25, 2012
   Brooks Edwin, Julie Jones-Gorman ’03 and Tim Gorman, July 30, 2012
   Thompson Blake, Lauren (Sutton) ’05 and Scott Baird, Nov. 13, 2012
2. Nathan Frank, Jennifer (Mitchell) ’05 and Garrett McKenney, April 12, 2012
   Tanner Clayton, Nicole (Fencer) ’06 and Jason Dyess, July 25, 2012
   Rylee Elizabeth, Nikki (Long) ’07 and Jason Houston ’12, Sept. 14, 2012
3. Harrison Armstrong, April (Robertson) ’08 and Scott Stafford, Feb. 13, 2012
   Olivia Grace, Jennifer and Eric Crumbaugh ’08, Jan. 16, 2013

Elizabeth and Hudson, Jennifer (Woodruff) ’08 and Spencer Felts, June 25, 2012
Scarlet Quinn, Lori and Gabe Bennett ’09, Sept. 7, 2012
Evan Sawyer, Erin and Michael Brewer ’09, Oct. 23, 2012
Bryson Eli, Heather (Wells) ’09 and Bryant Stanley, Sept. 9, 2012
Charlee Grace, Lindsey (Turnbow) ’09 and Zack Dayer, Dec. 12, 2012
Eden Grace, Beth Ann (Ponder) ’10 and Josh Davenport, June 25, 2012
Graysen Michael and Noah Jacob, Jill ’10 and Juan Hernandez, Nov. 12, 2012
Hudson Reece, Tiffany (Harrison) ’10 and Joshua Dickey, Dec. 12, 2012
Elijah Paul, Jill (Wieser) ’11 and Derek Franklin, Nov. 3, 2012
Layla Catherine, Melanie and Chris Hall ’11, Jan. 3, 2013
4. Amy Jo, Jennifer ’11 and Josh Jones, Aug. 3, 2012
   Abigail Kathryn, Hayley and Michael Haltom ’12, Sept. 26, 2012
   Emma Lee, Elissa and Eric Johnson ’12, Dec. 11, 2012

Weddings

Kathryn Jackson ’76 to David Smith, Oct. 7, 2012
Ashley Stinnett ’08 to Steve Wilson, March 23, 2013
Kristen Mazanec ’10 to Jasen Shamlin, July 21, 2012
Hien Ngoc Tran to Boonthavone Nouanesengsy ’10, Nov. 10, 2012
Sara Harrod ’12 to Kyle Rogers, Jan. 19, 2013
Stacey McGrew ’12 to Matt Wilkins ’12, Sept. 22, 2012

Alumni Baby T’s
To get a Future Pharmacist T-shirt or onesie for your baby, call Leigh Austin at (501) 686-6497 or email lbaustin@uams.edu.
UNCY ZUBER, B.S. PHARM. ’75, OF CLINICAL CONCEPTS, LLC, AND HIS WIFE, PAM, HAVE DESIGNATED THE COLLEGE OF PHARMACY AS A BENEFICIARY OF THEIR ESTATE. BY NAMING THE COLLEGE IN THEIR WILLS, THEY MADE A STATEMENT OF SUPPORT THAT WILL BEAR FRUIT IN THE FUTURE.

“We chose to name the College in our wills because we are grateful for the education I received. It set the foundation for success in business and in life. We want to do all we can to support the College and this seemed to be a good way to impact the lives of future pharmacists while maintaining current financial flexibility,” he said. “I hope others will think about the College when they make their plans.”

To learn more about designating the College in your estate or to talk about other forms of deferred giving, contact your financial planner or Dr. Jon Wolfe at 501-686-6498 or wolfejonathanj@uams.edu.
New Alumni Website!

Have you visited the new UAMS College of Pharmacy Alumni Association website?

Go to www.pharmcollege.uams.edu and click ALUMNI. On the Alumni Association site, you will find information about upcoming events, our publications and the Parents Club. Using your constituent ID number on the back of this magazine, go into First Time Login. Once you are logged in you can update your information and search for classmates using the Alumni Directory!

Questions? Contact Leigh Austin at lbautin@uams.edu or (501) 686-6497