

# SCHOOL OF PHARMACY NEWS



University of Colorado at Denver  
and Health Sciences Center

## Louis Diamond resigns as School of Pharmacy dean

School facing real changes, challenges ahead, he predicts

Greg Stiegmann, MD, interim chancellor of the University of Colorado at Denver and Health Sciences Center, announced on Jan. 10 that Louis Diamond, PhD, would step down from his dean's position on Aug. 31 and return to a faculty position.

While reflecting upon his tenure as dean of the School of Pharmacy, Dr. Diamond realized that he would reach his 20-year mark in August.

"That's long enough for me," he said with a smile, as he outlined the school's progress over the past 20 years.

"Our School of Pharmacy will be facing many significant changes and bold challenges in the next five to 10 years, and needs a dean who is willing to hold the position for at least a decade," Dr. Diamond said. "Realistically, I would not remain as dean for another 10 years and I think it's essential that a new dean be appointed who will be willing to commit to a long-term future with the school."

The pharmacy school will move from the Ninth Avenue and Colorado Boulevard campus in Denver to space on the Fitzsimons campus in Aurora in the fall of 2008. A new dean will have to plan for that move, Diamond said, and will need time to become familiar with the school, its faculty and its multifaceted academic programs.

During Dr. Diamond's tenure as dean, the pharmacy school moved from the Boulder campus to the Skaggs Pharmacy Building on the Denver campus. Current plans do not call for the school to have its own building at Fitzsimons; instead, the school will occupy space in the soon-to-be-constructed Research Complex 2 and Administrative

Office West buildings. Students will utilize space in two new specialized education buildings on the Fitzsimons campus.

The long-term vision for the pharmacy school is to have its own building at Fitzsimons. Dr. Diamond has long maintained that a separate building for pharmacy will give the school the visibility and growth potential it needs to attract top-notch faculty and students, and to continue to build upon its outstanding record of accomplishment in pharmaceutical research and education.

"I will continue to work to secure funding for our own building and I'm sure this will be a high priority for the next dean as well," said Dr. Diamond.

Over the past 20 years, the pharmacy school has seen support for its research programs increase dra-

matically. Last year the school generated nearly \$20 million in research grants and contracts, placing it in the top 10 percent of all U.S. pharmacy schools. The school also changed its professional degree curriculum during Dean Diamond's tenure by phasing out the baccalaureate degree program and replacing it with a Doctor of Pharmacy degree program.

Just a year after the first graduates emerged from the new degree program, *U.S. News and World Report* ranked it 23rd out of nearly 100 similar programs in the U.S.

"That says an awful lot about the quality of our faculty and students," Dr. Diamond said.

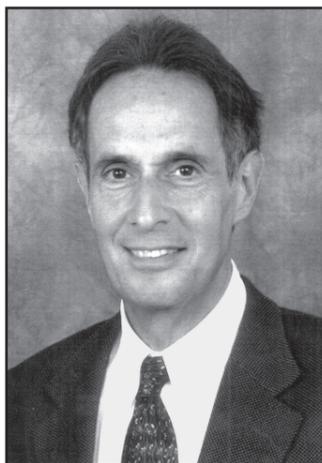
But the growth Dr. Diamond wants to tout most is that which has occurred in the school's diversity program, which is often held up as a national model.

Since the program's start in the mid-1990s, the school has awarded more than 150 full tuition diversity scholarships and brought the school's minority student population up to 34 percent.

"I take the most pride in the growth and accomplishments of our diversity program," said Dr. Diamond. "It gives me tremendous satisfaction to look back and see how this program has been able to transform the lives of so many disadvantaged young men and women."

Until he steps down and returns to the faculty, Dr. Diamond said he will focus much of his efforts on fund raising for a new building and restructuring the school so that it is better positioned to deal with reduced levels of state funding and increased reliance on tuition income, clinical earnings, and grants and contracts.

"We are essentially a private school now," Dr. Diamond said. "We need to restructure ourselves so we can continue to thrive in a very different and challenging economic climate. I also want to make sure our students are delighted with the quality of their education and feel that the significant investment they are making in their education is well justified."



Louis Diamond, PhD

## Stout St. Clinic pharmacy serves Denver's homeless population

Each day, the pharmacy at the Stout Street Clinic of the Colorado Coalition for the Homeless, fills more than 300 prescriptions for indigent individuals in Denver at no cost to the patients.

The pharmacy supplies services to the homeless that complement the primary health care services provided by Stout Street Clinic.

In September 2005, the pharmacy became registered as a prescription drug outlet by the Colorado Pharmacy Board and now has the possibility of accepting Medicaid and Medicare Part D. The partnership with the school and the collegial relationships with the school's faculty and staff, as well as the expertise of Tisha Silva, PharmD, '00, were instrumental in achieving this milestone.

Dr. Silva, who became the pharmacy supervisor in February 2004, oversees a staff of pharmacists, pharmacy technicians, interns and volunteers. The pharmacy provides opportunities for SOP students to learn and practice health care with a high-need and underserved population of patients.

For several years, the SOP had placed students in rotations at the pharmacy intermittently. The partnership between the pharmacy and the school, along with Dr. Silva in the supervisory position, have brought consistency to student rotations and improved patient care. SOP students are now being assigned to rotations at the site year-round on a regular basis.

"Becoming a registered pharmacy allows us to start



Dean Louis Diamond, Cathy Jarvis, Chris Turner and Ralph Altieri visit with Tisha Silva at Stout St. Clinic's pharmacy.

accepting Medicaid and Medicare, which benefits the patients by allowing them to get their medications filled at one location so they don't have to go to an outside pharmacy," said Dr. Silva. "When patients go to an outside pharmacy, it's difficult for us to monitor whether they picked up their medication or if they are having problems with side effects or dosages."

Previously designated as an "other outlet," the Stout Street Clinic's pharmacy did not have to follow the strict rules required of an official pharmacy or "prescription drug outlet." At an "other outlet," for example, a pharmacist doesn't have to be on duty at all times and technicians alone can fill prescriptions without oversight. Now, the pharmacy must adhere to a strictly

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## Riding the wave toward an independent pharmacy

By Eugene Medley  
President, NCPA student chapter

Three members of the National Community Pharmacists Association (NCPA) student chapter at the School of Pharmacy rode "The Independent Wave" in Fort Lauderdale, Fla. The wave was the theme of the 107th NCPA Annual Convention and Trade Exposition which was held Oct. 15-19.

As aspiring independent pharmacists and chapter leaders, Miciah Davis, vice president, and Nick Vogel, treasurer, joined me to represent the Colorado chapter.

During the five-day event, we attended seminars associated with obtaining an independent pharmacy. In addition, we attended seminars regarding the generation of a business plan for a private enterprise and one on the lucrative benefits of hard work and personal satisfaction derived from working for one's self and family.

We also attended the business plan competition, won by the University of the Pacific School of Pharmacy for their development of an innovative plan that integrated a women's spa with an independent pharmacy.

The keynote speaker was former Speaker of the House, Newt Gingrich, who presented his ideas on transforming the health care system in this country. Another feature presentation was given by best selling author Malcolm Gladwell, who spoke on the influence that pharmacists have on developing their own future in the fluid environment of medication therapy management services.



Eugene Medley at the roundtable.

While in Florida, I also participated in a roundtable discussion on the future of pharmacy. This was hosted by *Pharmacy Times* magazine (the article was published in the January Careers Issue). I was one of eight students invited from across the nation to attend and participate

in the event, which is a new initiative to enhance student involvement at national meetings.

The moderator was Jim McAllister III, director of the Department of Pharmacy, University of North Carolina Hospitals, and editor of *Pharmacy Times*, Health-Systems Pharmacy Section. The other students participating in the roundtable represented the Universities of Connecticut, Maryland, Southern California, Washington, Arizona and North Carolina along with Duquesne University.

For nearly two hours we discussed questions ranging from "How important do you think the pharmacy technician will be in your future?" to "How important are residencies and why do some schools seem to have more graduates seeking residencies?"

All in all, we were able to network with our peers from across the nation and learn about the future of our profession. For other students interested in attending a national professional convention and learning about the entrepreneurial aspect of pharmacy, the 108th NCPA Annual Convention will be held in Las Vegas, Nev., Oct. 7 - 11.

## Dean's List

### Fall 2005 P1 Class

Stella Abramova  
Shawn Ackerman  
Laura Anderson  
Solomon Asress  
Mana Azadegan  
Kassandra Bankovich  
Lindsay Blair  
Duke Cheney  
Hana Duwaik  
Michael Egeberg  
Allison Garnhart  
Zachary Gergely  
William Gordon  
Michele Hanselin  
Jana Harris  
Darla Hartman  
Ri Holbrook  
Charles Jordan  
Amanda Kilen

Tracey Laessig  
Brandon Lamarr  
Huong Le  
Samantha Lindell  
Lynn McLerran  
Mark Mester  
Sara Moon  
Valerie Moore  
Lam Nguyen  
Momein Refaat  
Matthew Rettger  
Sergey Simonovich  
Kathleen Simons  
Berin Vattappillil  
Nikolai Voitseklovitch  
Cynthia Warwick  
Bereket Yebiyoy  
Shannon Yessak

### P2 Class

Tracie Andreas  
Stephanie Cho  
Matthew Cummin  
Andrew Doniec  
Jennifer Kirkpatrick  
Ashley Letourneau  
Katheryn Lumsden  
Bradley Mcgee  
Lindsay Meadowcraft  
Katherine Miller  
Jessica Morris

Adam Nielsen  
Hodan Noor  
Audra Patten  
Jacqueline Puga  
Melanie Red Owl  
Darcie Ryant  
Sara Stahle  
Lindsay Stansfield  
Thu Tran  
Tara Vlasimsky  
Amy Watson

### P3 Class

Daniel Bates  
James Farrar  
Sean Fitzpatrick  
Kevin Flynn  
Dawn Hollingshead  
Xiaojun Lu  
Monica Manatt

Matthew Marshall  
Jessica Meier  
Sarah Mercer  
Jennifer Meyer  
Kelly Rembold  
James Vinton

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## Student delegate advocates for policy participation



**From the left: Raeanna Nerpel, Jennifer Short and Shannon Matsko**

Association Academy of Student Pharmacists (APhA-ASP). As a speaker of the APhA-ASP House of Delegates, she had been traveling to pharmacy schools throughout the country to help promote student professional development. She spoke from a student's perspective on pharmacy practice policy and advocacy.

In her Sept. 23 talk to pharmacy students and faculty, Jennifer Short, PharmD student from the University of New Mexico, asked the audience to imagine what the pharmacy profession might look like in the next five to 10 years.

Short was on hand to talk about the American Pharmacists

APhA-ASP is an organization for students preparing to enter the pharmacy profession. Its mission is to be the collective voice of pharmacy students, to provide opportunities for professional growth, and to envision and actively promote the future of pharmacy.

"APhA-ASP plays a key role in helping students navigate through pharmacy school, explore careers in pharmacy and connect with others in the profession," said Short. "Law and policy dramatically shape the practice of pharmacy. It is imperative that student pharmacists advocate for our profession to ensure the public recognizes our value."

The APhA-ASP policy process covers a wide range of pharmacy issues and gives members an opportunity to voice their ideas and opinions to influence the academy's goals and objectives.

One of the ways students can get involved with APhA-ASP is by participating in the policy process. She listed three reasons why students should care about policy: it provides political power, gives the organization direction and is an educational process.

"Our unique position as student pharmacists allows us to bring energy and enthusiasm to the grassroots advocacy movement for our profession," said Short. "Get involved and help shape our professional future."

### Stout Street Clinic

*Continued from page 1*



**Christy Harmon, P4, hones her pharmacy skills at the Stout Street Clinic.**

defined ratio of pharmacists to technicians/interns on duty, as determined by the Colorado State Board of Pharmacy.

Being a prescription drug outlet allows the pharmacy to charge government programs serving indigent patients for a small, but potentially significant proportion of prescriptions that are filled there. Some of the patients who receive care at the Stout Street Clinic receive assistance from government programs, Medicaid or Medicare. As a prescription drug outlet, the pharmacy, which does not accept prescriptions outside the Stout Street Clinic/Colorado Coalition for the Homeless system, can be reimbursed for prescriptions filled for patients receiving assistance services. This provides an added source of income for the pharmacy, not previously accessible, which helps make it possible for pharmacy services to be continued for those in need.

Prior to joining the staff at Stout Street Pharmacy, Dr. Silva was working at the Kaiser Travel Clinic. In addition to being the pharmacy supervisor, she assists with the SOP's pharmacy law class.

Dr. Silva's vision for the pharmacy is to have all her pharmacy staff be involved in clinical aspects

of pharmacy, whether it's presenting educational classes on smoking cessation and diabetes or interacting with providers and other health care professionals.

"In terms of operation, the pharmacy is where it needs to be now," said Dr. Silva. "In terms of our work flow and staffing needs,

those are well met. We always need volunteer pharmacists."

Three of the pharmacy students who have rotated through the Stout Street Pharmacy - Kelly Gault Butler, P4; Baochau Nguyen, P4, and Theresa Cao, P4, share their impressions of the unique experience below.

#### Kelly Gault Butler

"The highlight of my experience was practicing 'altruistic pharmacy' on a daily basis. At Stout Street Pharmacy, the focus is not on formularies or the newest technology, but on how they can best serve the community - one person at a time. I was so surprised by the level of individualized care given by the dedicated staff.

"The amount of paperwork required to get free drugs from patient assistance programs was rather impressive. It just showed that prescription help is out there, as long as knowledgeable people are willing to take the extra time and energy to find it.

"My experience at Stout Street Pharmacy has taught me that as I make my future plans for being a community pharmacist, I always remember that I am there for the community first and the pharmacy second."

#### Baochau Nguyen

"The highlight of my experience at Stout Street was seeing the process of the pharmacy becoming registered. I have worked there more than a year now and it's amazing how much everything has changed. I helped with the remodeling process so that the pharmacy is more user-friendly and best utilizes what little space we have available. I now understand the amount of work that's involved in becoming registered with the State Board.

"I've worked in the pharmacy field for more than five years and only had one view of it until I started at Stout Street. The patients are a different population than I'm used to. Before, I never thought about how patients, who could not afford insurance, got their medications. I just assumed they paid cash for them. This experience gives me new respect for drug companies. Without their assistance in providing medications for our pharmacy, we would not be able to provide care for our patients."

#### Theresa Cao

"For many patients at Stout Street Clinic, this is the only health care they have ever received, so they are appreciative and receptive to counseling about their medications. Throughout pharmacy school, I developed a standard patient counseling technique, which to my surprise, was not completely applicable to these patients. It dawned on me that these patients do not have the resources needed to stay healthy. They don't have money to buy healthy food, toothbrushes to clean their teeth, soap to wash their hands, beds to sleep in. It was a real eye-opener, to say the least.

"One great activity that P4s on rotation here get to participate in, is the smoking cessation class held once a week. Along with a nurse, I was able to have one-on-one contact with patients and help them to understand the addiction potential of nicotine, and to educate them about the consequences of smoking (i.e., heart and lung disease, cancer, bad breath, etc.). It was quite fulfilling for me to make an impact in these peoples' lives and help them make that decision to quit and improve their health."

## Professor John Carpenter awarded *Shell Prize* for research excellence

John Carpenter, PhD, professor in the Department of Pharmaceutical Sciences, and co-director of the Center for Pharmaceutical Biotechnology, was honored at a reception and dinner on Nov. 10 as the recipient of the *John and Barbara Shell Prize for Outstanding Achievement in Research and Graduate Education*.

Dr. Carpenter has been a faculty member since January 1993. His route to the School of Pharmacy came by way of biology. He received his bachelor's in zoology from Duke University, his master's in zoology from Oregon State University, and his PhD in biology from the University of Louisiana at Lafayette.

His interest in enzymology and protein biophysical chemistry began during his postdoctoral research at the University of California at Davis. As part

of this work in the mid 1980s, he became interested in the stabilization of enzymes during freeze-thawing and freeze-drying. Publications from this work caught the attention of researchers in biotechnology companies, especially a key group from Amgen. As a result, Dr. Carpenter has been collaborating with Amgen researchers for nearly 20 years.

His current research focuses on mechanisms for degradation and stabilization of therapeutic proteins. For example, a critical safety problem with therapeutic proteins is aggregates, which are clumps of protein molecules. Even at low levels, aggregates can cause adverse responses in patients. Dr. Carpenter and his CU-Boulder colleague, Professor Ted Randolph, have elucidated the critical physical and chemical factors that govern protein aggregation. This insight is being used to guide development of formulations to inhibit aggregation of therapeutic proteins.

## SOP collaboration earns DEcIDE research center designation

The School of Pharmacy collaborated with the School of Medicine and the Colorado Health Outcomes program at the SOM, to successfully acquire designation as one of 13 national centers to conduct research on comparative medication effectiveness and outcomes.

The centers will conduct research under the auspices of a new program recently launched by the Health and Human Services Agency for Health Care Research and Quality. As a research center for the Developing Evidence to Inform Decisions about Effectiveness (DEcIDE) program, research outcomes will help clinicians and patients determine which drugs and other medical treatments work best for various health conditions.

John Steiner, MD, professor and director of the Colorado Health Outcomes program at the School of Medicine, is principal investigator. Robert Valuck, PhD, associate professor in clinical pharmacy, and David West, PhD, associate professor in internal medicine, are co-investigators.

DEcIDE research centers will carry out accelerated studies, including research aimed at filling knowledge gaps about treatment effectiveness. Operating under strict procedures to guarantee privacy, DEcIDE centers will use de-identified patient data available through insurers and health plans to answer questions about the use, benefits and risks of medications and other therapies.

Specific task orders have not yet been assigned, but examples of studies the school might be asked to conduct are examining comparative effectiveness of atypical antipsychotic medications with a focus on side effect profiles and idiosyncratic reactions or analyzing claims data on lipid-lowering agents. The SOP is uniquely prepared to conduct either study.

"We have a six-state Medicaid database built with five years of data from 700,000 people who use antipsychotics," said Dr. Valuck. "And, we already completed an outcomes-based analysis with claims data from a health insurer on lipid lowering agents. We have approval to use the database to conduct additional studies, so we could get (a DEcIDE study) done in six months. We're ready."



Professor John Carpenter in his laboratory at the school.

Dr. Carpenter is also working on stability problems with recombinant protein-based and live viral vaccines. This work focuses in part on a vaccine against botulinum for the federal government. As the most potent toxin in the world, botulinum is considered a potential bioterrorism agent.

He has obtained patents for inventions and has co-founded two companies: BaroFold and AktivDry. BaroFold is commercializing patented technology that uses high pressure to disaggregate and refold proteins. This approach can result in production of proteins that previously could not be manufactured, as well as reduce aggregates in final formulations to improve patient safety. AktivDry is commercializing a novel micro- and nonoparticle production method. AktivDry is working with a grant from the Gates Foundation to develop a dried powder measles vaccine for needle-free delivery applications in third world countries.

Dr. Carpenter teaches graduate courses in drug development and protein formulation, and in the PharmD curriculum, he teaches cardiovascular and pulmonary physiology. To date, he has trained 20 PhD students and 10 postdocs in his lab, and has mentored several other students and postdocs.

"We conduct research because it's important to gain new knowledge," said Dr. Carpenter. "That's important, but it's critical that we're training graduate students to be the new leaders out there. Our training program is one of just a few in the country that teach students how to develop stable protein formulations. This expertise is widely needed by biotechnology and pharmaceutical companies. It's critical that we train graduate students in this area, because new products will not get made without enough well-trained people."

The Shell prize includes a \$10,000 cash award, an engraved crystal bowl and an opportunity to invite a scientist of the recipient's choice to the school for several days of lecturing and collaboration with faculty and graduate students.

John and Barbara Shell are alumni of the School of Pharmacy and major contributors to the endowment that funds the award.

## Two students receive awards for excellence in research

Further acknowledgement of the importance of training graduate students at the University of Colorado School of Pharmacy is the *Heim Prize for Excellence in Research*.

Honored at the annual dinner held Nov. 10 were this year's recipients of the graduate student research awards, which are provided by the Harold C. Heim Endowment for Graduate Research and Education. Recipients were **David Carbone** and **Shouvik Roy**.

The awards consist of an engraved plaque, a check for \$1,000 and a \$500 travel stipend.



David Carbone (above, right) is congratulated by his mentor Dennis Petersen, PhD. Pictured at right: Shouvik Roy and John Carpenter, PhD.



## Dr. Courtney Fletcher honored for distinguished career

Courtney Fletcher, PharmD, FCCP, has been selected by the American College of Clinical Pharmacy to receive the association's prestigious 2005 *Therapeutic Frontiers Lecturer Award*.

The award was presented in San Francisco on Oct. 23, during the opening general session of the ACCP's annual meeting.

ACCP's *Therapeutic Frontiers Lecture Award* recognizes an individual who has made outstanding contributions to pharmacotherapeutics in his or her field. Among the criteria for this

award is that the recipient is considered to be at the leading edge of research in the field.

Dr. Fletcher is a professor and chair of the Department of Clinical Pharmacy, and director of the Antiviral Pharmacology Lab. He has distinguished himself as a world renowned leader in antiretroviral research, focusing on the pharmacokinetics and pharmacodynamics of antiretroviral agents. He has published more than 100 peer-reviewed research articles and numerous book chapters. Dr. Fletcher has maintained a consis-

tent record of funding from the National Institutes of Health (NIH) for more than 15 years and currently serves as a member of the AIDS Discovery and Development of Therapeutics Study Section in the Center for Scientific Review at the NIH.

Dr. Fletcher's lecture, titled "*The Pharmacology of HIV Infection: Worlds Apart*," was delivered during the opening general session at the ACCP's annual meeting.

## Health care changes are afoot, predicts health care trend-watcher

By Kenna Bruner  
Office of Public Relations

Each day, the equivalent of a 747 airplane crashing and killing everyone on board takes place in this country. There are 100,000 people who die every year due to medical mistakes, the majority of which are caused by medication errors.

On the horizon are limited insurance plans that cap maximum coverage at \$50,000. Consumers with savings account-type plans may someday have to pick up a \$10,000 deductible tab.

Sound far-fetched?

These and other startling facts and trends about health care and health coverage were presented by Jim Hertel, BPharm '72, MBA '74, at the annual Mont Gutke Lecture held Oct. 21. The lectureship is supported by a generous grant from the ALSAM Foundation

Hertel is publisher of the *Colorado Managed Care Newsletter* © and a sister publication in Arizona. In the early 1980s, he founded HealthCare Computer Corp. of America, whose focus is to observe the growth and evolution of managed-care organizations.

With wit and a remarkable amount of information, Hertel informed the audience of pharmacy students and faculty about dramatic changes taking place.

"Health care is changing and it will change the face of how America lives and how we will age," said Hertel. "The question is how are we going to pay for it?"

Several key trends are currently driving the health care industry, according to Hertel. They include quality (as in reducing medical mistakes); insurance (who will pay what); escalating health care costs; and an emphasis on chronic disease management (five chronic diseases, including heart disease and diabetes, constitute more than 50 percent of the costs).



Jim Hertel talks with a student after his Oct. 21 Mont Gutke lecture on the impending changes in healthcare.

Referencing a *Wall Street Journal* article, Hertel said there are six factors that are ratcheting up health care costs, including the aging baby boomer generation, political involvement (Medicare, Part D is an example), nonprofit health care organizations changing to for-profit entities and changes in provider demands.

Increased insurance costs are being passed on from employers to employees, who as a result must pay a higher percentage of their premiums, higher co-pays and more deductibles.

The majority of Colorado's 4.6 million residents get insurance through their employer. Of the rest, 400,000 are on Medicaid; 500,000 are Medicare beneficiaries and 750,000 are uninsured. Where there used to be 64 insurance companies insuring the bulk of Coloradans 20 years ago, now there are only 10. About a million people are in Colorado HMOs and that number is dropping.

The health care business is complex, but there are few moving parts. There are only four sources of revenue in health care: payments from employers which make up the largest part; employee contributions which are increasing dramatically; out-of-pocket costs paid by consumers; and government payments.

When payments for people cov-

ered under government programs are reduced, the patients will still receive the necessary care, but providers will be forced to transfer the costs for providing that care to other consumers.

"If one of these groups doesn't pay their full ticket, people on the other side of the equation have to pick up the difference," said Hertel. "That's called cost shifting and that's what's happening in health care today. Government is chang-

ing health care dramatically. Medicaid doesn't pull its weight and Medicare is reducing physician fees by 4.4 percent. As a result, there are reportedly only 20 doctors in Denver now accepting new Medicare patients."

There's been a shift in the past 20 years from non-profit to for-profit. Hospitals, insurance plans and medical groups are increasingly becoming publicly traded entities. Hertel predicts a change coming in how physicians are organized, as well.

Another change on the horizon is high deductible health plans. The 80 percent of the population who spend only 20 percent of the health care dollars want those who are sick to shoulder more of the financial burden.

"The biggest change I'm watching happen is the change from a \$5 or \$10 deductible to one where people are being asked to pay \$2,000 or \$5,000," he said. "I expect in the not-too-distant future to see \$10,000 deductibles."

## School continues national prominence

Data from AACP regarding National Institutes of Health (NIH) funding to schools of pharmacy in the United States for federal fiscal year 2005 shows our school to be:

- Third in the nation (compared to the other 100 schools of pharmacy) for individual awards per PhD faculty member
- Second in the percentage of PhD faculty that have NIH funding
- First in the percentage of PharmD faculty that have NIH funding
- Ninth in the nation for total NIH funding

## Dr. Laura Hansen appointed to national council

Laura Hansen, PharmD, FCCP, BCPS, has been appointed by the American College of Clinical Pharmacy to a three-year term on the Pharmacotherapy Specialty Council of the Board of Pharmaceutical Specialties (BPS).

The nine-member specialty council is responsible for developing and administering the pharmacotherapy certification examination given annually by BPS.

## Contributors leading the way

This Honor Roll of Contributors recognizes the generosity of those who have made a commitment to the future of the School of Pharmacy. The names that follow represent the alumni and friends whose gifts are helping create and improve programs, and strengthen the support of our outstanding students and faculty. The School of Pharmacy extends its sincere thanks for your support.

Every effort has been made to produce an accurate listing of donors who made a gift to the School of Pharmacy from January through December 2005. We apologize for any incorrect listings, spellings or omissions. Please let us know. Direct your comments or inquiries to Susan Saunders at 303-315-7359, by e-mail to: SOP.alumni@uchsc.edu or School of Pharmacy C-238, UCHSC, 4200 E. Ninth Avenue, Denver, CO 80262.

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Carmen Jimenez  
Calvin F. Johnson  
Douglas Johnson  
Philip N. Johnson  
Joseph Jones  
Susan Kay Jones  
Lisa Jones  
Heather Jorgensen  
Valdis Kalnins  
Kathryn Kalsman  
Ruth Kemper  
H. Douglas Kennedy  
John Kennison  
Beverly Kimmel-Sullivan  
Heather Klug  
Joseph Klune  
Jeanette Knepper  
C. James Knopp  
Foster Knutson  
Velma Koch  
David Kochenberger  
Arthur R. Konialian  
Tatiana E. Kosyak

Valerie Wen-Shuan Ku  
Michael Kullas  
Robert T. Kurita  
Michael Kyler  
Lois La Rose  
Lester L. Lakey  
Jerome G. Lambrecht  
Michael W. Laufenburger  
Steven Lawrence  
Robert E. Lawson  
Quyen Le  
Ronald P. LeBlanc  
Patricia Lee  
Hee-Soon Lee  
Ronald Legge  
Ann E. Leonard  
Gerald Leopold  
Robert Leopold  
Maureen Hayes Lesser  
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H. Emmett Seal  
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Karen Shawler  
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Rudolph P. Shelley  
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Edward Skaff  
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John K. Soffa  
E. G. Specht  
Sabine Spiering  
Leroy E. Springsteel  
Cara Stader  
Leslie Stellish  
Deborah Stevens-Conrad

Joyce Stoddard  
David Stotler  
Lee Richard Strandberg  
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Kathryn Sullivan  
Haleh Taheran  
Gary Takahashi  
Christine Thomas  
Rachel Thompson  
Margie Gaasch Thompson  
Lynne Toedtli  
Arlene Tran  
Riley Troth  
Riley W. Troth  
Laura Jean Trujillo  
Leaanna Trujillo  
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Raymond Wodicka  
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Kevin Wright  
James Yahns  
Linda Zarei  
Peter Zoller

### Friends

Caroline Kim Moon  
*in memory of Sara Kwon*  
Francis Lefler  
*in memory of Scott Lefler*  
E.C. McMahan  
*in memory of Theresa M. Shulkin*  
Dean Sanderson

### Faculty and Staff

Ralph Altieri  
Thomas Anchordoquy  
Beverly Brunson  
Louis Diamond  
David Hill  
Catherine Jarvis  
Kathleen McCartney  
Dennis Petersen  
Sheldon Steinhauser  
Christopher Turner

## Lifetime benefactors

In recognition of alumni and friends who have made contributions of \$25,000 or more:

John A. Biles  
V. Gene Erwin  
Annibel Gardner  
Rachel (Becky) S. Gilbert  
Mont H. Gutke

Marguerite C. Holden  
Eugene C. McMahan  
John & Barbara Shell  
Edward Skaff  
Pearl S. Stehley  
James H. Vincent

## Charles Sintek: 2005 Ambulatory Preceptor of the Year

Charles Sintek, MS, RPh, BCPS, was recognized at the 2005 commencement for his teaching and professional skills.

### What do you think are the keys to being a successful preceptor?

A successful preceptor has enthusiasm for the practice of pharmacy and for serving as a teacher and role model for developing professional pharmacists. A successful preceptor makes his/her practice environment one where students are challenged to think, to apply their knowledge, and to problem-solve while providing services for individual patients. A successful preceptor offers a learning experience that is organized with clear expectations and with timely and useful feedback to the student about their performance. A successful preceptor listens to and learns from feedback from his/her students, as well.

### Why are you a preceptor? Why do you like working with students?

I am a preceptor because I like working with and teaching students. I enjoy watching students as they develop proficiency in clinical practice skills and as they gain new insight into their potential roles as the pharmacist member of the health care team. I think pharmacists have a professional obligation to contribute to the training of future pharmacists. Precepting students has provided me with a strong incentive to continuously improve my skills in interpersonal communication and in the giving and receiving of constructive feedback. I also enjoy and benefit from my preceptor relationship with the

School of Pharmacy and the academic environment.

### What advice do you give to the students you precept?

Consider every patient as an individual, not as a disease state or a drug regimen.

No matter what you do or how good you are at it, you can always improve. You should strive to self-evaluate and reflect on your work and how you might do it better or more efficiently the next time.

### What kind of experience do you hope students have at your facility?

I hope that students gain an experience that demonstrates to them how they as pharmacists can work in a stimulating job environment where they will enjoy working, where they can apply their knowledge and skills, and where they have a sense of accomplishment in knowing that they have contributed to better health outcomes for patients.

It is particularly rewarding for me when I observe (sometimes almost overnight) that a student has made the transition from "pharmacy student - one who follows instructions," to "professional pharmacist - one who uses an analytical and clinical problem solving approach to pharmacy care."

### Why did you choose pharmacy as a career?

I ended up as a pharmacist

almost by chance. I initially thought that I wanted to be an engineer. Once I started college I found that I did not like the pre-engineering coursework, particularly mechanical drawing. I had become friends with a pharmacy student who lived on my floor at the college dormitory. In talking with him I came to learn more about the college of pharmacy and the types of coursework it took to become a pharmacist.

I decided that pharmacy would be a good career for me because the science (biology, chemistry, pharmacology, pharmaceuticals), the patient care, and the potential income all appealed to me.

### Where did you get your degrees?

I graduated with a BS in pharmacy from the University of Nebraska Medical Center in 1973. I graduated with a MS in pharmacy from the University of Iowa College of Pharmacy in 1978.

### Where do you work now? What do you do there?

I have been a clinical pharmacy specialist at the VA Medical Center in Denver since 1982. My clinical practice is as a provider in the multidisciplinary pain clinic. As a member of the pain clinic team I

work with a psychologist, a rehabilitation medicine physician, and an anesthesiologist. I evaluate chronic pain patients, consult on their drug therapy management, and I manage therapeutic trials of specific drugs for selected patients. I am the director and a preceptor for residents in our Pharmacy Practice Residency Program. I am the clerkship coordinator and a preceptor for PharmD student clerkship rotations at the VA Medical Center.

### Where else have you worked in the pharmacy field?

After graduation from the University of Nebraska I worked in retail pharmacy in rural Nebraska for three years. I then completed a Hospital Pharmacy Residency at the VA Medical Center in Iowa City, Iowa. I then worked at the University of Iowa Hospital in Iowa City as an inpatient pharmacist for two years. In 1980 I moved to Colorado and started a job as the pharmacist at AMC Cancer Research Center in Lakewood, Colorado. In 1980 I also started my association with the University of Colorado School of Pharmacy as a lecturer and clerkship preceptor. I became the clinical pharmacy coordinator at the VA Medical Center in 1982.

## To our future donors

Please make your checks payable to the University of Colorado Foundation. The University of Colorado Foundation has been designated by the Board of Regents as the organization to receive and deposit private gifts to the university.

If your check is made payable to the School of Pharmacy, we are prohibited by law from depositing it in the foundation. This means we cannot deposit the check in our growing endowment fund where it will benefit the school in perpetuity. To allay concerns about proper crediting to the School of Pharmacy you may note us in the memo line of your check; attach a simple signed note saying "enclosed is my gift for the School of Pharmacy," or enclose your pledge card when responding to a phone solicitation.

Mailing your contribution to the Director of Development, School of Pharmacy C-238, 4200 E. Ninth Avenue, Denver, CO 80262-0238, further ensures the proper crediting upon receipt.

## Annual food drive



Joyce Gallegos, Jeri Sandbach and Jennifer Larson are pictured with the students' contribution to the food/personal goods drive conducted by faculty, staff and students for 2005. The supplies were taken to Denver's Gathering Place, a shelter for women and families.



Derek Altizer, president of the P2 class, presents a check to Charlotte Klaus for the cash contribution to Denver's Gathering Place, a bonus to cap the food drive success.

## USP Chapter 797 lays down the law on sterile preparations

By Kenna Bruner  
Office of Public Relations

The road to United States Pharmacopeia's Chapter 797 has been long and winding, not unlike the unconventional pharmacy career path of Eric Kastango, MBA, RPh, whose talk Oct. 28 focused on the recently implemented chapter of policies and procedures for preparing Compound Sterile Preparations (CSPs).

As of January 2004, USP Chapter 797 is considered the official and state enforceable requirement for CSPs, he told pharmacy students and faculty gathered in Denison Auditorium.

"This USP chapter is one of the most significant changes in the practice of pharmacy in the last 20 years," said Kastango. "Prior to Chapter 797, the compounding practices that pharmacists have historically followed have never been regulated, but now, all pharmacists must comply with 797."

It's not until a student has graduated and is on the job when most pharmacy training occurs, according to Kastango, who also spoke about his own experiences and challenges in the development of

his pharmacy career.

Kastango is a Fellow of the American Society of Health-System Pharmacists (ASHP) and has served on the ASHP's Council of Education Affairs. In 25 years, he has practiced pharmacy in a number of settings in a variety of different roles, from pharmacy technician to corporate vice president of a national home infusion company. He has worked for 14 companies, owned three, was downsized twice and has published prolifically and presented talks on sterile preparation and pharmacy compounding errors. For the past six years, he's been with ClinicalIQ based in Florsham Park, NJ, a health care consulting firm that assists clients who require expertise in USP Chapter 797.

Compounding is an essential part of pharmacy practice. However, instances of patient injury and death due to contaminated pharmacy-prepared sterile preparations prompted the FDA to consider regulating or even banning pharmacy compounding.

Kastango gave two examples of compounding errors that had grave outcomes. In Pennsylvania last year, 12,000 patients, while in the hospi-



Eric Kastango, MBA, RPh, speaks with students at the reception following his Oct. 28 talk.

tal, contracted a nosocomial, or hospital-acquired infection, that had nothing to do with their original diagnosis. Of those patients, 1,500 died from their hospital-acquired infection.

In South Carolina a couple of years ago, a patient received a steroid injection from his physician and 152 days later presented in the emergency room with fungal meningitis. Through forensic microbiology sleuthing, the fungus was identified as originating in soil containing black mold. The Centers for Disease Control got involved in the case because there had been no human instances of illness caused from this particular

black mold anywhere on the East Coast for 30 years. The contamination was eventually traced to a pharmacy in Spartanburg, SC, where the methylprednisolone preparation was made.

"Believe it or not, this happens more than you can imagine," he said. "We have a responsibility as pharmacists to

understand that we play an absolute, critical role in ensuring the integrity of the preparations we make. We cannot afford to be cavalier about this."

In 1993, ASHP published guidelines for quality assurance for pharmacy preparations. Because they were just guidelines with no teeth for enforcement, the FDA was still not satisfied. The situation really became heated when the FDA tried to take compounding practice rights away from pharmacy, basing its actions on the Federal Food, Drug and Cosmetic Act of 1938 which had declared pharmacy compounding as illegal.

In 1997, Congress passed a bill called the FDA Modernization Act to clearly define the difference between manufacturing and pharmacy compounding. A group of pharmacists from Colorado and California banded together to file suit with the U.S. Supreme Court to stop the bill. The court ruled the bill unconstitutional. Although the FDA lost that particular effort to regulate pharmacy compounding, the agency nevertheless kept up pressure to make changes.

USP Chapter 797 took effect in January 2004. Its intent is to prevent patient harm and fatality from microbial contamination, excessive bacterial endotoxins or pyrogens, incorrect ingredients and large content errors in the strength of correct ingredients.

Chapter 797 applies to all practice settings where CSPs are prepared, including pharmacies, health care institutions, physicians' offices and other ambulatory care centers.

"There is an art and science to compounding correctly," said Kastango. "Nobody is exempt from complying with this regulation. You have both a moral and a professional responsibility to make sure that you know how to compound correctly."

## NTPD students deployed for hurricane relief

By Kathleen McCartney  
Coordinator, Office of Postgraduate Professional Education

Two students in the Nontraditional Doctor of Pharmacy Degree program provided medical assistance to victims of Hurricane Katrina within days of the disaster. Ruth Kemper and Tammy Buntjer temporarily left their regular jobs in Pleasanton, Calif., and Albuquerque, NM, respectively, to perform different jobs in challenging circumstances.

Ruth Kemper received a call from a physician friend on Sept. 2, asking her to join a medical team to assist victims of Hurricane Katrina over Labor Day weekend. The next day, she climbed aboard a plane at 5:30 a.m. in Reno, Nev. with a backpack, sleeping bag and a couple changes of clothes to fly to a site about 50 miles outside of New Orleans, La.

Kemper spent the next four days in a tent city with other medical groups and a makeshift hospital providing services to several thousand people who lined up for help. Kemper's team of one surgeon, one ENT physician, two ER doctors, three nurses, a respiratory therapist and herself, treated people with all ailments.

"We treated many cuts, wounds infected from contaminated water, diabetics who had been without insulin or hadn't eaten for several days," said Kemper. "It was desperate shakes down there. There was no help. Some people died in line waiting, and often, no one knew who they were."

The team had only injectable and topical medications provided by the federal government. Kemper estimates that she gave 800 shots of vaccinations, insulin,

and antibiotics and even did some stitching of wounds.

"We ate MREs (meals ready-to-eat) and slept on the floor. I have never experienced anything like it," she said.

The team returned to Nevada on Sept. 6.

"Many of the people were grateful, but some felt like they had been just abandoned and there was a lot of anger," said Kemper. "I left feeling like a whipped dog, but I did feel like I had done something good."

Kemper currently works at the Safeway division regional office in Pleasanton, Calif., as a regional manager. She also works per diem as a clinical pharmacist at St. Mary's Hospital in Reno, Nev.

Tammy Buntjer works for the Albuquerque Area Indian Health Services as the director of pharmacy for the Albuquerque Service Unit. As an employee of the Indian Health Service, she works for the United States Public Health Service and is a commissioned officer. She was called up in September 2005 to serve at a FEMA mobilization center at the Barksdale Air Force Base in Shreveport, La, about 300 miles northwest of New Orleans.

Buntjer left New Mexico on Sept. 18 and stayed in Shreveport about two weeks, returning Oct. 1. The mobilization center served as a staging area for supplies that would be sent to victims of Hurricane Katrina. Tammy worked 12-hour days with a National Disaster Medical Service team, receiving shipments of medications and medical supplies and sorting through them to send out to other facilities.

"Once word got out that I had computer skills, I was

Continued on Page 9...

# DOPS highlights

The 11th Annual Department of Pharmaceutical Sciences (DOPS) retreat was held this past summer in Breckenridge. The research program was a success due to the enthusiastic participation of the graduate students, post-doctoral fellows, visiting research associates, and research assistants in presenting both oral and poster presentations. Congratulations to:

## Outstanding Postdoctoral Oral Presentation

Aaron Henneghan, PhD

## Outstanding Student Poster Presentations

Derrick Katayama  
Erica Pierce

## Outstanding Student Oral Presentations

John Dunn  
Natalie Lassen  
Brante Sampey

## DOPS researchers recently awarded grants:

- **Tom Anchordoquy**  
National Science Foundation, *Improved Synthetic Vectors by Electrostatic Co-Extrusion*, \$254,000 – 8/05-7/08
- **Carlos Catalano**  
National Science Foundation, *Physical & Biochemical Characterization of the Portal Complex of Bacteriophage Lambda*, \$664,459 – Total costs
- **Richard Irons**  
Shanghai Health Study, \$3,824,769 – Additional funding through December 2007
- **Cynthia Ju**  
Pfizer, Inc.,  
\$300,000 total direct, two years  
– and –  
National Institutes of Health, *The Immunosuppressive Role of Hepatic Kupffer Cells*, \$1,405,000 total costs – 6/6/05-3/31/10
- **LiPing Liang**  
Parkinson's Disease Foundation, *Therapeutic Potential of Metalloporphyrins in Parkinson's disease*, \$40,000 – 7/1/05-6/30/06
- **Al Malkinson**  
Colorado Cancer Center Pilot Grant, *Erlotinib (Tarceva) therapy against chemically-induced mouse lung tumors and molecular characterization of Erb receptors and downstream signaling*, \$10,000 – 8/05-7/06
- **David Ross**  
National Institutes of Health – NCI, *NQO1 Inhibitors & Pancreatic Cancer Therapy*, \$1,095,000 total costs – 9/30/05-7/31/09

## Kudos to:

- **James Roede** and **Natalie Lassen** were awarded first prize for their oral and poster (respectively) presentations at the Mountain West Society of Toxicology meeting.
- **Keith Connaghan-Jones** was awarded second place for his poster, *Computational analysis of progesterone receptor-DNA binding isotherms: insight into transcriptional regulation*, at the Annual Protein Stability Conference.
- **Natalie Lassen** was elected to serve as the 2005-06 student councilor to the executive committee of MWSOT.
- **Heather Walczak** - Outstanding Poster award. Gordon Research Conference: *Molecular Therapeutics of Cancer*. Colby-Sawyer College, New London, NH
- **Vasilis Vasilou** was selected to serve as a member of the Anterior Eye Disease Study Section, Center for Scientific Review of NIH from November 2005 through June 2009.



## Poster competition

The competition was part of the PHRD 3350 course (spring semester 2005). The class worked in groups to produce a poster suitable for use in a community pharmacy to educate the public. The winning poster is about medication-induced headache – a condition found in migraine sufferers where the use of analgesics causes, rather than treats/prevents, headaches. Poster teammates are, left to right, Ashley Letourneau, Savannah Bennett, Audra Patten, Rebecca Swallows and Chris Turner. Group members, Lia Martire and Christy Lee Wilson are not pictured.

## Faculty to lead international symposia

Three School of Pharmacy faculty members will be leading symposia at the international Society of Toxicology meeting in San Diego, March 5-9. Symposia leaders are selected for their research reputations and interest in a particular field.

Drs. Marc Fariss and Manisha Patel will lead programs on oxidative stress and Parkinson's disease, while Dr. Cynthia Ju will be leading a program on idiosyncratic drug reactions and immune mediated mechanisms of toxicity.

## NTPD Students

*Continued from page 8*

recruited to help with setting up a basic computerized inventory tracking system. Believe it or not, all of the supplies that were shipped in and out were tracked manually," Buntjer said.

"We were not working in the thick of things, but more behind the scenes, sorting large orders into caches of medications to send out to pharmacies in the field," said Buntjer. "We supplied pharmacies that were dispensing medications for acute problems; we also sent them stock medications to get chronic patients through five to 10 days of treatment. The chronic meds were not always exactly the same medicine that the patient had been on, but would at least be in the same class."

When Buntjer and the other two pharmacists on staff were not dealing with medical supplies, they would help out with other tasks. For example, every truck driver that had to leave the site to take a break would have to be checked out from the facility.

"We spent time out on the tarmac in 107° F temperatures completing the necessary forms. It got very hot!" said Buntjer.

Both Kemper and Buntjer were enrolled in NTPD classes at the time they were deployed, but were able to work with course coordinators and the director of the program, Dr. Carol Balmer, to complete their work upon returning to their normal lives.

## Alumni briefs

**Albert D. (Al) Hoza**, class of 1949, wrote to tell his classmates that he and his wife, **Mary**, are still in Eagle, CO, and he still owns the Eagle Pharmacy. He took ownership in 1966 and hopes to sell soon while they are healthy enough to enjoy some time off. Mary is an RN and working in home health care.

**Oliver V. Waite**, BS Pharmacy, class of 1956 (CU), Dentistry, class of 1960 (NU). Mary Anne and I have lived in Arizona for nearly twenty years, but our thoughts often turn to the University and the friends we enjoyed in Boulder in the 50s. I am still engaged in pharmacy, working with Clinical Research Services, a Nebraska based corporation, providing clinical trial support in the field of pharmaceutical research and development. As our 50th anniversary approaches, I would appreciate hearing from former classmates at: 2902 S. Juniper St., Tempe, AZ 85282 or by e-mail: oliverwaite@cox.net

**Robert (Bob) McGraw**, BS Pharmacy, class of 1983, is living happily and camping, hiking and skiing with wife Annie and sons Michael and Colin in the Durango area. He can be contacted at: 1171 N Oak Dr, Bayfield, CO 81122 or bobmcgraw@mercydurango.org.

**Carol Ann Lange**, PhD, class of 1991, is a tenured professor at the University of Minnesota, specializing in breast cancer research.

**Lucinda K. Iverson**, BS Pharmacy, class of 1999. I am happily married to Erik and we have two children, Brooke (4) and Joseph (2). I am currently employed as a Pharmacist at Safeway in Hilo, Hawaii.

**Valerie Sheehan** (formerly, Castellani), PharmD, class of 2000, is now living in southern California and working for McKesson Medication Management as a Clinical Program Development Specialist. She hopes her classmates are doing well and would love to hear from them at vcsheehan@hotmail.com.

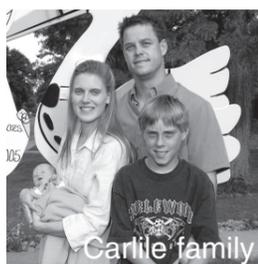
**Jennifer & Richard Fortunato**, BS, class of 2000, and PharmD, class of 2004, have a new address in Nederland, CO and welcomed Richard Blake into the family on November 14, 2005. Marina Jane, born July 20, 2004 stars as the big sister.

**Elisha DeLong-Sieg**, BS Pharmacy, class of 2001, PharmD, class of 2002. John and I would like to announce the birth of our daughter, Caitlyn Grace Sieg, on June 13, 2005.

**Robbin Cogdill**, class of 2001. I am writing to let you know of the birth of my twin boys on April 1, 2005. My husband, Chad, and I had the pleasure of welcoming into the world...Grant Alexander Cogdill and Blake Harris Cogdill on April 1, 2005. We never could have imagined how much they have changed our lives or that we could actually love them more tomorrow than we did today! I am still working full-time as a pharmacist while Chad is staying home with the boys. We are living in Omaha, Nebraska and you can reach me at rcogdill52@msn.com.



**Rhonda (Gray) Carlile**, PharmD, class of 2003. I am working as a clinical pharmacist at St. Joseph Hospital. I married Doug Carlile in Sept. 2004 and gained a stepson, Hayden. We had baby girl, Lexi, in Sept. 2005. You can reach me at: carliler@exempla.org.



**Jennifer Biltoft** (formerly Meredith), PharmD, class of 2003, would like to announce the birth of her daughter, Makena Ellen Biltoft. She joined Jennifer and husband Adam's family, Dec. 16, 2005, at 2:03am, weighing 6 pounds 15 ounces and 19 inches long. Jennifer can be reached via e-mail at: BiltoftJ@exempla.org

**Jacqueline Levingston**, PharmD, class of 2004, and husband Albert welcomed their first daughter, Skylar Song Levingston, into their lives, October 4, 2005. They are living in Thornton, CO.

### In memoriam

We received notice from the niece of **Dave Ulibarri**, class of 1952, that he passed away, January 24, 2005.

**Jeff Adler**, son of **William Adler**, class of 1955, notified us that his father passed away in 2004.

**Walter Hervi** passed away in November at 87. He was born in Leadville, attended the Capital School of Pharmacy and the University of Colorado. He began his career in Leadville with Sayer-McKee Drug and Davis Drug and ended it with 31 years at Foss Drug in Golden, Colorado. Between Leadville and Golden, Hervi joined the Army when the United States entered World War II. His medical skills kept him in demand for five and a half years and then he opted out for a return to pharmacy, passing up a chance at medical school. At the time he retired from the profession in 1981, Hervi was the president and general manager of Foss Drug having overseen the expansion of that well-known store.

**Bruce Kelley**, class of 1985, died Sept. 6, 2005, at his home in Boulder of complications from diabetes, which he battled for 40 years. For three decades, he gave time each week to the American Diabetes Association. His greatest joy was being a counselor at Camp Colorado, the residential summer camp for approximately 250 children with diabetes. Bruce was an Eagle Scout, a graduate of CU Boulder with degrees in Pharmacy and Russian, a member of the Cosmopolitan and the Optimist Clubs, Director of student exchange/Russia at UTEP. He maintained many friends in the former Soviet Union where he often vacationed and donated medications to those in need. All of this while putting his wife through medical school. Bruce was a pharmacist by trade and a kind, gentle soul by profession. His body was donated to the University of Colorado School of Medicine for teaching purposes. He is survived by his wife and best friend Dawn Renee Cinocco, MD; cats Tarzan and Boots; sisters, Diane Kelley and Cindy Ferrone; brother David Kelley (Rose-Mary, Jeff, Jennifer Abbott); father Wes Kelley; In-Laws, Don and Ingrid Cinocco, Knikki, Mark and Brook of Haines, Alaska. He was preceded in death by his mother Elizabeth Morrill Atwood.

### Errata

Our apologies to **Tom Lotocki** and **Val Kalnins** for misspelling their last names in the fall issue of the newsletter.

We regret the following names were omitted from the list of Non-traditional PharmD graduates for August 2005:

<b>Stephan Carson</b>	<b>Cara Nishida-Todd</b>
<b>E. J. Chane</b>	<b>Olusola Ojo</b>

## Advances in Pharmacy Practice: 2006

*presented by*  
**Colorado Pharmacists Society &  
 University of Colorado School of Pharmacy**

**Saturday, February 25, 2006 — 7:30 AM to 3:30 PM  
 School of Pharmacy**

Join your colleagues to hear updates about key areas of pharmacy practice presented by clinical practice experts. This conference will provide a full day of ACPE-approved continuing pharmacy education of interest to pharmacists across a range of practices.

#### Topics include:

Drug therapy management and implications for Colorado pharmacists, updates on diabetes and cardiovascular disease, vaccinations and pandemic flu, women's health, COPD, and a workshop on drug therapy management skills.

Due to concurrent programming, each participant may receive up to six contact hours of CE. In the afternoon, participants will choose between two therapeutic topics and a two-hour, skill-building workshop on drug therapy management.

For complete program and registration information, please call the Colorado Pharmacists Society at 303-756-3069 or visit [www.copharm.org](http://www.copharm.org).

## Development Council discusses the future of pharmacy

The School of Pharmacy's Development Council met on Nov. 1, in the Edward Skaff Common Room. The program featured a presentation, The

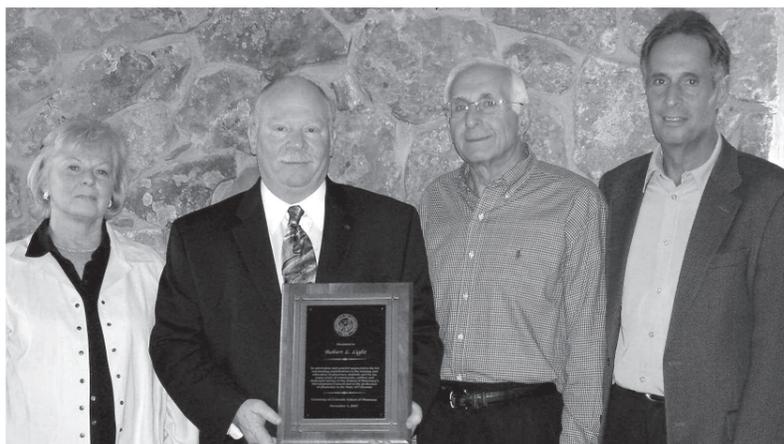
Future of Healthcare Financing: The Coming Revolution, by alumnus James Hertel, '72, BPharm, MBA. Dennis Helling, PharmD, FCCP, FASHP, responded, augmenting Hertel's comments.

Both Hertel and Dr. Helling described the effect of escalating employee benefits costs, noting that expenses frequently are passed on to employees through higher co-payments and larger deductibles. Hertel noted that consumer reactions to these changes have resulted in greater interest in lower cost generics and in increased problems with patient compliance. Patients often do not get their prescriptions filled and when they do, many do not take their medications according to directions, in order to save money.

Medicare Part D presents a great challenge to retail pharmacists according to Hertel. He speculated that equalization of prescription drug costs might lead to an increase in consumer utilization of independent pharmacies and he expressed concern that many seniors will be too confused by the complexities of Part D to sign up prior to the May, 2006 cut-off date. Seniors who sign up after that date will be penalized.

Dr. Helling asserted that Medication Therapy Management, under Medicare Part D, would significantly impact pharmacists by providing them opportunities to become more involved in drug therapy management and by allowing them to receive reimbursement for their services. He wondered if pharmacists would take advantage of these opportunities or let them pass by.

Hertel's and Dr. Helling's comments came after a brief update by Dean Diamond regarding plans for moving the School of Pharmacy to the Fitzsimons campus in 2008 and was followed by a presentation to outgoing co-chairman, Robert Light.



**Bob Light (second from left), is leaving sunny Colorado for sunnier Arizona. He is pictured with Dean Louis Diamond (far right), and wife, Sheri, and Ed Skaff. Ed is the remaining co-chair of the Development Council.**

## Adios, Bob Light

Robert Light, class of 1978, has accepted a new position with Walgreens' National Resource Center. This will carry Bob and his wife, Sherri, to Tempe, Arizona. Bob served as co-chair of the Development Council and helped develop and present a course in pharmacy management to our students. He also served on a number of committees with great energy and warmth. His enthusiastic participation in the school will be missed on many fronts.

## Alumni Association Survey

The purpose of this survey is to evaluate alumni attitudes toward the CU School of Pharmacy and to gauge interest in creating an alumni association to serve the needs and interests of pharmacy alumni. The School of Pharmacy looks forward to this new opportunity to increase communication with our alumni. This survey will help us better understand alumni needs and interests and provide a basis for creating and enhancing alumni programs and events. What you say will be held in confidence. The survey is easily removed from the newsletter along the perforated folds. Return with enclosed envelope. If you would prefer to complete the survey via the internet, please go to the following web address: <http://www.zoomerang.com/survey.zgi?p=WEB224UAGU-UFRM>. Thank you for taking the time to provide us this information. We hope to hear from you by March 30, 2006.

Read each statement and use the key to guide your responses.

### KEY

1-Never 2-Rarely 3-Occasionally 4-Frequently 5-Very Frequently

#### A. Since I graduated from the CU School of Pharmacy, I have...

- 1. Talked to or met with other CU School of Pharmacy alumni
- 2. Talked to or met with CU School of Pharmacy faculty, staff or students
- 3. Read CU School of Pharmacy mail, e-mail or publications
- 4. Visited the CU School of Pharmacy Home Page on the internet
- 5. Participated in a CU School of Pharmacy CE course
- 6. Attended a CU School of Pharmacy activity

### KEY

1-Disagree 2-Somewhat Disagree 3-Somewhat Agree 4-Agree

#### B. I feel the purpose(s) of an alumni association is(are) to...

- 1. Help alumni feel connected to the school
- 2. Help alumni feel connected to each other
- 3. Help alumni network for career purposes
- 4. Build loyalty to the school
- 5. Assist in recruiting applicants for the school
- 6. Be a vehicle to organize alumni advocates for the school
- 7. Raise funds for scholarships, programs and endowments at the school

### KEY

1- Not Interested 2-Somewhat Interested 3-Interested 4-Very Interested

#### C. How interested are you in attending the following types of social and educational activities with other School of Pharmacy alumni?

- 1. Lectures or presentations by pharmacy faculty
- 2. Class reunions
- 3. Outdoor activities such as hikes, bike rides or bird walks
- 4. Career networking events with other pharmacy alumni
- 5. Cocktail receptions or happy hours
- 6. Alumni golf tournaments
- 7. Get together at CU or professional athletic events

### KEY

1- Not Interested 2-Somewhat Interested 3-Interested 4-Very Interested

#### D. How interested are you in performing the following types of volunteer work?

- 1. Volunteering as a member of a School of Pharmacy alumni board, alumni club or class reunion committee
- 2. Starting an alumni club in your area (for alumni outside of the Denver metro area)
- 3. Hosting receptions for School of Pharmacy faculty, staff, alumni or new students
- 4. Calling potential students to encourage them to enroll in the CU School of Pharmacy
- 5. Providing career advice to School of Pharmacy students
- 6. Soliciting alumni for financial gifts, e.g., lectureships, capital campaign and special gifts

### KEY

1-Disagree 2-Agree

#### E. What is your overall impression of the CU School of Pharmacy?

- 1. I am very satisfied with the education I received
- 2. I would recommend the school to a prospective student
- 3. I am proud of my pharmacy degree
- 4. The school has had a positive impact on my life
- 5. If I had to do it all over again, I would attend the CU School of Pharmacy
- 6. I feel a strong sense of belonging to the School of Pharmacy community
- 7. My degree prepared me well when compared to those graduates of other schools of pharmacy that I worked with in graduate school or on my first pharmacy job
- 8. I feel that the only time I hear from the School of Pharmacy is when they want money
- 9. I feel it is my responsibility to support my alma mater

#### F. As a CU School of Pharmacy alumnus/alumna, is there any feedback you can provide the school to enhance its interactions with alumni? Please write your comments on a separate page.

Name: \_\_\_\_\_

Address: \_\_\_\_\_

E-mail: \_\_\_\_\_

Phone: \_\_\_\_\_

CU degree/year (please list all, including department e.g., pharmacy, business, biology, etc.) \_\_\_\_\_

Other degrees/year/school \_\_\_\_\_

If you have any questions or comments about this survey, please contact: Susan Saunders, assistant to the dean, School of Pharmacy, 303-315-7359 or [SOP.alumni@uchsc.edu](mailto:SOP.alumni@uchsc.edu).

# Tell us your news

Name \_\_\_\_\_

Degrees/Year \_\_\_\_\_

Address \_\_\_\_\_

City, State and Zip Code \_\_\_\_\_

Phone \_\_\_\_\_ E-mail \_\_\_\_\_

You may publish my \_\_\_\_\_ address \_\_\_\_\_ phone \_\_\_\_\_ email \_\_\_\_\_

Spouse also CU alumni? \_\_\_\_\_ Year? \_\_\_\_\_

I'd like my former classmates to know: \_\_\_\_\_

\_\_\_\_\_

**Please mail to:**

School of Pharmacy, 4200 E. Ninth Ave., Mail Stop C-238  
Denver, CO 80262 **OR E-mail to:** SOP.alumni@UCHSC.edu



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and Health Sciences Center

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## SCHOOL OF PHARMACY NEWS



University of Colorado at Denver  
and Health Sciences Center

**Winter 2006**

# ASHIP mid-year



### Also Inside:

**Front page** – Louis Diamond announces his resignation as dean.

**Page 4** – Dr. John Carpenter awarded Shell Prize for outstanding research.

**Page 5** – Startling health care trends featured at Gutke lecture.

**Page 8** – Sterile preparations must follow specific USP rules.

Drs. Robert Page and Joseph Saseen hosted the CU School of Pharmacy reception for alumni and friends during the ASHP mid-year conference in early December. A crowd of alumni, faculty and students attending the conference dropped in at the reception in the Las Vegas Hilton.

