College faculty explore new approach to cancer treatment

A trio of faculty members in the Idaho State University College of Pharmacy has received a $128,820 National Institutes of Health (NIH) grant to conduct research to more effectively fight breast cancer.

The ISU researchers – Dr. Nandita G. Das, Dr. Sudip K. Das and Dr. Cindy M. Wilson – are examining how to administer the drug tamoxifen more effectively, by using the human body’s lymphatic system.

Tamoxifen is one of the oldest, most widely prescribed and most successful therapies known for the treatment of estrogen receptor positive breast cancers. It is also FDA approved for the prevention of breast cancer in high-risk patients. Using the body’s lymphatic system could improve the drug’s cancer-fighting abilities.

“Lymphatic vessels are present alongside blood vessels and serve as an important agent in the body’s defense mechanism.

ISU College of Pharmacy receives federal grant

A $393,426 grant for the purchase of equipment was recently awarded to the ISU College of Pharmacy Department of Pharmaceutical Sciences (PSCI) to support the establishment of the ISU Center for Cellular Pharmacology, a biomedical research center.

According to the grant administrator, PSCI Chair Dr. Christopher Daniels, a core research facility in the College of Pharmacy, through the purchase of the new equipment, will allow researchers to more effectively study cancer, nutrition and development, cell growth and differentiation and degenerative diseases.

The new equipment

Continued on Page 3
I once joked that when I joined the Casper Lions Club that I was the youngest member and that 20 years later when I left Casper for Laramie, I was still the youngest member. This joke holds a lot of truth and reflects a current problem in the profession of pharmacy and other health professions. We lament not seeing younger pharmacists join the local and state professional organizations, and we wonder from where the future leaders of our profession will come. Many pharmacists spend long hours at their work sites and may feel that they have no more time to give to their profession. Modern life also contributes to the time crunch with numerous responsibilities outside of work. It becomes easy to forget that maintaining one’s professionalism requires a lifelong commitment to keeping abreast of current information, service to one’s patients and giving back to the profession. The demands on a pharmacist’s time are tremendous and the temptation to cut corners can become great, carrying the possibility of further eroding our professionalism. The American Association of Colleges of Pharmacy this past summer commissioned studies to provide a critical analysis on four important issues affecting pharmacy education, student professionalism being one.

Pharmacy colleges exist to develop a professionally mature pharmacy practitioner who can render pharmaceutical care. To accomplish this requires the acquisition of a great amount of knowledge, the learning of specific skills and the development of the necessary professional attitudes and behaviors. Without the latter requirement, we become more a trade than a profession. It requires a commitment and effort from each of us. It is important that pharmacy students see the professional behaviors exhibited by all pharmacists, especially those who are early in their careers with whom they most readily identify.

This past August, your College of Pharmacy held its second white coat ceremony to welcome the first-year students into the profession of pharmacy. At that ceremony, they signed the Pharmacist’s Code of Ethics signifying their acceptance of the responsibilities of the profession. The College is requiring that each student become a member of the student chapter of one of the national pharmacy organizations and that all students are represented under the Professional Pharmacy Student Alliance, the umbrella organization for the various student chapters. We expect the students to behave professionally in class and on rotations, and our course syllabi, student handbook and other documents contain statements to that effect. Each student is given a framed copy of the Oath of a Pharmacist at the graduation banquet. At that time, the graduating students and all pharmacists in attendance recite the oath to reaffirm their commitment to the profession. We also ask the graduates to welcome the next class of pharmacists by purchasing a white coat and placing it on an incoming student, thus signifying their transition from student to practitioner and, hopefully, mentor. We expect our faculty and preceptors to exemplify pharmacy professionalism by acting as role models for the students. We do all of these things to foster the attitudes and behaviors that protect patients, promote pharmaceutical care and embody professionalism.

There are many things we can do to support our profession. We should approach each encounter with another person with the professional virtues of honesty, trustworthiness, tolerance, compassion and promoting public good. This goes for our patients, neighbors, politicians, students and anyone else with whom we interact. We can support efforts to promote the profession by volunteering our time, by being active in our professional organizations, by mentoring upcoming pharmacists and by providing financial support. We are proud of the high regard in which our patients hold us. Maintaining this prestige requires an effort by each of us to promote the professional ideals of our practice. Remember, people expect more from us than just their medications; they trust us with their lives.

Regards,
Joe
because they filter out organisms that cause disease, produce certain white blood cells and generate antibodies,” said Dr. Nandita Das, assistant professor and principal investigator of the two-year research project. “They also drain off excess fluids and protein so that tissues in our bodies do not swell.

“Unfortunately,” she added, “the lymphatic system also serves as the medium for metastasis, which is the invasion of cancer from an isolated location through the rest of the body.”

According to Das, “Lymph flows very slowly compared with blood due to the lack of a pumping mechanism. If we could localize anti-cancer drugs within lymph vessels and lymph nodes, the drug would stay in place for long periods of time, allowing for greater chances of interacting with and killing cancer cells that are floating around in the lymph – thus potentially preventing metastasis.”

There is a rich network of lymph vessels and lymph nodes in and around the human breast, so localization of the drug within the lymphatic system could also offer tumor targeting with the drug.

“The goal of targeted drug delivery is to preferentially concentrate a large proportion of the drug dose in the vicinity of the target tissue, for example a tumor, while sparing the rest of the body from the drug as much as possible. This could greatly reduce side effects and toxicities related to drugs,” Das said.

“One highlight of the project is the possibility of achieving drug targeting by simple oral dosing, which would be very convenient for patients,” said Dr. Sudip Das, associate professor of pharmaceutics and a co-investigator on the project. “Our unique drug delivery approach, which is called self-emulsifying microemulsion systems and uses specialized FDA approved ingredients, will allow the drug to be channeled toward the lymphatic system in preference to direct absorption into the blood vessels from the gastrointestinal tract.”

Wilson, associate professor and third investigator on the project, agreed.

“I am excited about the prospect of applying basic physiology techniques to evaluate drug targeting as part of this project,” Wilson said. “This research also highlights the value of effective collaboration among investigators with varying expertise in generating federal grant funding and allows me to gain experience in a new field while contributing expertise from my own background.”

ISU pharmacy dean Dr. Joseph Steiner concurred with the benefits of the research.

“A diagnosis of cancer is devastating to patients and their families,” Steiner said. “Medications are required to fight the disease, and we could change the way patients anticipate the usually distressing side effects of chemotherapy if the treatment drugs could be targeted to tumors and concurrently prevent metastasis. This could greatly improve the chances of survival. I am pleased that colleagues in our college are involved in this cutting-edge research and are able to win coveted federal funding for their investigations.”

will greatly extend the research capabilities of the faculty from both the College of Pharmacy and the Department of Biological Sciences, especially in regard to specialized techniques in cell biology, Dr Daniels said.

“Moreover, these enhanced technological capacities have fostered the recruitment of new faculty to both the Departments of Pharmaceutical Sciences and Biological Sciences at ISU and has enhanced the biomedical research environment of both departments,” Dr. Daniels said. “These new faculty, together with existing faculty, are creating a critical mass of investigators in cellular science ready to further strengthen the biomedical research capabilities within the State of Idaho.”

Funding for the new equipment comes from a line-item appropriation through the U.S. Department of Health and Human Services. Idaho Senator Larry Craig was instrumental in obtaining the funds for the College.

“We deeply appreciate the efforts made by Senators Craig, Crapo, Congressman Simpson and their staffs in obtaining these funds,” Dean Joseph Steiner said. “Improving our research base will allow the College of Pharmacy to better compete for research grants and discover new knowledge. This will benefit not only the professors and their students, but the people who have their health improved by the new knowledge generated.”
College welcomes first-year students at 2nd Annual White Coat Ceremony

First-year Doctor of Pharmacy students were inducted into the ISU College of Pharmacy professional program during the 2nd Annual White Coat Ceremony held August 21 during the P-1 Orientation.

Dean Joseph Steiner, pharmacy faculty, students and representatives from professional organizations welcomed the incoming students to the study and, ultimately, the practice of pharmacy.

“It is important that the students, the faculty and the profession acknowledge the transition and commitment that is made starting the first day a student enters the professional program,” Dean Steiner said. “This is signified by these students donning the mantle of the white coat.”

Dr. Cynthia Foster, Director of Admissions and Student Relations, says the ceremony helps the students feel more connected to the profession and the college.

“With this ceremony, we seek to create an environment of professionalism early in the students’ professional academic careers,” Dr. Foster said. “This is an occasion to commemorate the accomplishments of our new Doctor of Pharmacy students and welcome them into the College and program of study.”

The evening ceremony, held at the Pocatello Holiday Inn, included representatives of the Idaho State Pharmacy Association and Idaho Society of Health-System Pharmacists and Idaho Board of Pharmacy.

During the ceremony, pharmacy students also took a pledge of professionalism and doned white coats for the first time, acknowledging their entrance into the pharmacy profession and their duty to their patients and colleagues.

The 56 students, selected from a pool of about 360 applicants, also signed their Class of 2007 Code of Ethics for Pharmacists.

In addition to the ceremony, students attended activities including a chemical dependency seminar, meetings with faculty advisors and CPR training.

Alumni of the Class of 2003, faculty and college staff sponsored students by purchasing a white coat as a symbolic commitment to the students as mentors.

“One of the most exciting and pleasant events in the ISU College of Pharmacy is when students first enter the college,” Tressa Rockwood, director of development said. “If there is a transforming moment for individuals enter-
Class of 2007 statistics

<table>
<thead>
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Residency:
- Idaho: 45 (80%)
- U.S.: 10 (1%)
- International: 1 (02%)

Previous degrees:
- Associate: 12
- Bachelor: 20
- Master: 2

Mean age:
- Applicants: 25
- Range: 19 - 56

Total accepted: 56
Dr. Glenda Carr joined the ISU College of Pharmacy in August 2002. She works at Terry Reilly Health Services in Nampa, a community health clinic devoted to providing health care to an underserved population.

Last October, Terry Reilly Health Services started managing patients treated with anti-coagulants. She began with a panel of 15 to 20 patients and now routinely see 35-40 patients a month. Dr. Carr is responsible for ordering labs and adjusting medications based on the laboratory results. In addition, she makes sure that the patients have an adequate supply of medication and refills.

Following the implementation of the anti-coagulation service, Dr. Carr developed other medication management protocols. In December 2002, the clinic slowly began seeing patients for diabetes, hypertension, hypercholesterolemia, and hypothyroidism. Currently, she has 10 to 15 scheduled appointments a week for medication management. With these patients, she provides education on medications, diet and exercise. If needed, she adjusts medications and orders labs as necessary.

On Thursday mornings, she participates in a multidisciplinary diabetes clinic. This clinic includes the clinician for medical care, social services for community referrals, nursing for diet and exercise education, and pharmacy services to review medications with the patient. Each patient may receive all of these services on the same visit.

While students are on-site for their advanced practice experience, Dr. Carr keeps them busy working with clinicians, visiting patients scheduled for medication management and anti-coagulation service, helping out in the pharmacy, and providing drug information.

“My future with Idaho State University and Terry Reilly Health Services look promising,” she said. “My role in both capacities is expanding. With ISU, I am tackling more lecture and committee duties. With Terry Reilly, I have started a refill protocol and will soon be working on a smoking cessation protocol.”

Dr. Glenda Carr helps underserved
Dr. Christopher Owens is a clinical assistant professor at Idaho State University College of Pharmacy in the Department of Pharmacy Practice and Administrative Sciences. Before entering the professional pharmacy program at ISU, he served as a hospital corpsman in the U.S. Naval Reserve and earned his B.A. degree in German at Utah State University. After graduating with his Pharm.D. degree, he completed a specialty residency in ambulatory care at the Southeast Idaho VA Outpatient Clinic in Pocatello. As a resident, he gained expertise in managing conditions such as diabetes, hyperlipidemia, and chronic pain states.

His instructional interests include Alzheimer’s disease and other neurodegenerative disorders, hyper- and hypothyroidism, and inflammatory bowel conditions. As a faculty member, he is involved in the Idaho Drug Utilization Review (DUR) project, coordinates the applied pharmacology course for PT/OT students, and facilitates case studies for Pharm.D. students, and lectures to Pharm.D. and P.A. students.

Dr. Christopher K. Johnson is assistant professor of clinical pharmacy at Idaho State University College of Pharmacy. He is affiliated with St. Alphonsus Regional Medical Center in Boise.

Dr. Johnson served eight years in the U.S. Navy and Naval Reserve as a hospital corpsman/pharmacy technician. He earned a doctorate of pharmacy and bachelor of science in microbiology at Idaho State University in 2000. After graduation, he completed an adult medicine specialty residency at the VA hospital in Boise, and an infectious diseases pharmacotherapy/epidemiology fellowship in Richmond, VA.

His professional/research interests include infectious diseases pharmacotherapy and the epidemiology of antibiotic use and bacterial resistance within hospitals and the community. Dr. Johnson has presented multiple abstracts to national and international conferences, investigating the relationship between excessive antibiotic use and increasing bacterial resistance.

Dr. Barb Novak is a clinical assistant professor at the college’s Department of Pharmacy Practice and with the Department of Family Medicine. She received her Pharm.D. degree at the University of Wyoming in 2001 and completed a two-year residency in primary care pharmacotherapy at Idaho State University Department of Family Medicine in June 2003. She joined the ISU pharmacy faculty in the summer of 2003.

Dr. Novak is involved in the Clinical Research Center at the Department of Family Medicine. Her specific focus is a national trial, the ACCORD, trail, and her work associated with this study focuses on the treatment of diabetes. Dr. Novak is also responsible for coordinating the third-year case studies course and other teaching duties at the ISU College of Pharmacy. Her professional interests include diabetes, anti-coagulation, asthma, heart failure, hyperlipidemia, hypertension and women’s health.

Dr. Novak was honored by the Department of Family Medicine with the Resident Research Award in 2003.

Dr. Kerry L. Casperson serves as an assistant professor for the Idaho State University College of Pharmacy Department of Pharmacy Practice and Administrative Sciences.

Dr. Casperson holds a bachelor’s of science degree in health care administration, a masters of business and a doctorate in psychology in pharmacy administration, all from Idaho State University. He also earned a masters of hospital administration from the University of Minnesota.

Dr. Casperson has over twenty five years in the management of physician practices. He has served as administrator at the Pocatello Children and Adolescent Clinic. While there, he worked with Dr.
A special thanks to the donors

Donors have helped to make the ISU College of Pharmacy what it is today. Every gift has made an impact on the success of our programs. We acknowledge and appreciate the following individual and corporate donors for their support.

In the recent past, the ISU College of Pharmacy has received generosity on all levels. What makes the greatest difference? It’s the choice the donors make to give. Their choice - not the amount, the direction of the gift, the term of the gift or the type of gift - but just the choice these friends and alumni have made to give.

Many have said, “I’ve thought about this a long time and I want to make a difference for someone, because someone made a difference for me.”

This is a common sentiment among donors to the ISU College of Pharmacy. Others have described their decision to become a donor as “a gift of choice,” “a gift of love,” “a gift of thanks,” or “a gift of recognition.” These are their words. Our words are “Thank you.”

For whatever reason, it is because of this choice that, the ISU College of Pharmacy and its donors pursue a shared vision: We continue to make a difference in the lives of others through education, clinical service, and research.

The College is pleased to formally acknowledge, with our greatest appreciation, the following gifts as received by the ISU Foundation during the period July 1, 2001, to June 30, 2003.

_Tressa Rockwood_  
_Director of Development_

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**$100,000 - $200,000**

Neal & Dorothy Broyles  
Dorothy Broyles

**$50,000 - $99,000**

Garth H. Holmes  
Frank L. & Joyce Laws Savage

**$25,000 - $49,999**

Anonymous donor to the E.I.&J. Scholarship Endowment  
Joseph W. & Melba Carlson  
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**$10,000 - $24,999**

William M. Eames  
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**$5000 - $9999**

Dr. Lynn H. & Florence N. Anderson  
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**$1000 - $4999**

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Dr. Sudip K. & Dr. Nandita G. Das  
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Frank W. & Anita C. Pirrone  
Preston D. & Katherine Seely  
Dr. Archie Chue Shum & Wilma Joan Peterson-Shum  
Dr. James H. & Virginia Spafford  
Elke Suen  
Gary L. & Judith Tauscher

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In Memory…

Fred A. Sorenson, a 1949 graduate of the College of Pharmacy, passed away on Aug. 19 in St. George, Utah. He is survived by his wife, Ann Sorenson.

Robert A. Broadbent, a 1950 graduate, passed away on August 9, 2003, in Las Vegas, Nevada. He is survived by his wife, Sue; his daughters, Kathleen Morris of Las Vegas and Michele Walker of Boulder City, his sons, Robert and Douglas, both of Boulder City, his sister, Susan Siri of Reno; 14 grandchildren; and 3 great-grandchildren.

Donn R. Lipman, a 1964 graduate of the College of Pharmacy passed away in July 2003. He lived in Sunol, Calif., and was 63. He is survived by his wife, Catherine, also an ISU alumnus, class of 1964.
Faculty accomplishments

PRESENTATIONS


Wilson CM. “Exercise for Diabetics” Public Television Ch.12 Health Focus 1hr tues/thurs Oct-Nov. 2003.

Wilson CM. Patient Education Seminar “Exercise and Diabetes” provided to the Preston, I.D. Diabetes Group, June 2003.


Lott RS. “Use of Antiepileptic Drugs in Psychiatric Disorders” Presented to Nurse Practitioner staff — Boise VA Medical Center. 9/12/2003.

Owens CT. “Prevalence of Anticholinergic Drug Use in Patients with Dementia” at the 23rd Annual Western States Regional Conference in Asilomar, California on May 21, 2003.

Lai JCK. invited presentation at the Second Annual Summer Idaho NIH BRIN Conference in August, 2003, held at Boise State University, Boise, ID. My talk was entitled: “Cell Signaling, Adaptation, Bioenergetics and Cell Death.”

Hefflinger R. - October 3rd, 2003, Noon physician conference “Prior Authorization: Why the red tape to get my patient prescriptions” Family Practice Medical Center, 1 hour Physician CME.


Hefflinger R. - August 15th, 2003 - June 11th, 2003, JNC-VII Focus on Thiazide diuretics and Beta Blockers Pharmacotherapeutics Conference Family Practice Medical Center Physicians 1 hour.


Carr G. - May 18th, 2003, New Hormonal Products for Contraception. Spring College of Pharmacy CE program Boise, Idaho 1 hour.


Force RW. “Cardiovascular Disease: Why is there a need for an evidence-based approach for primary prevention?” Presented at the American College of Clinical Pharmacy Spring Practice and Research Forum, Palm Springs, California.

Force RW. “Grand Rounds: ALLHAT Clinical Trial Results” Presented at Pocatello-area Continuing Medical Education conference, Pocatello, Idaho.

POSTER PRESENTATIONS


S N. Sani, NG Das and SK Das, Effect of processing variables on PEG grafted PLGA nanoparticles prepared using the solvent evaporation method, Annual Meeting of American Association of Pharmaceutical Scientists, Salt Lake City, UT, October 2003.

A Li, NG. Das and SK. Das, Development of Mucoadhesive sublingual dosage forms of buprenorphine, Annual Meeting of American Association of Pharmaceutical Scientists, Salt Lake City, UT, October 2003.


MS. Surapaneni, NG. Das and SK. Das, Correlation of Mucoadhesive force to the concentration of Mucoadhesive polymer in formulations, Annual Meeting of American Association of Pharmaceutical Scientists, Salt Lake City, UT, October 2003.


Continued on Page 14


Murdock N, Force RW, Wilkinson JM, Cady PS. “Use of Survival Analysis to evaluate duration of hormone replacement therapy: influence of mega-trials and guidelines.” Poster presented (by Nicole Murdock) at the American College of Clinical Pharmacy Spring Practice and Research Forum.


### GRANTS/CONTRACTS


ISU-University Research Committee: June 2003-June 2004. $12,000. Equipment for Expansion and Enhancement of the PSCI Cell Culture Facility. Wilson, C.M.

Idaho State University NIH-BRIN Undergraduate Summer Research Fellowship July 2003-Aug 2003 awarded to Mike Luedeman. C.M. Wilson Advisor and Faculty PI.

Lai, J.C.K., Subcontractor/Collaborator, 2000-2004. Energy and Metabolism in Temporal Lobe Epilepsy. (Program Project Director: Dr. Dennis D. Spencer) National Institutes of Health Program Project, PO1 NS039092. [Subcontract to Dr. Lai, total direct costs for the period: $75,097; renewed for 2003-2004]


Woodhouse W and Hachey D. Ryan White Title III HIV Planning Grant. A 1 year grant to plan for new HIV services and revamp existing ones in southeast Idaho. HRSA Funded: $50,000.


Erramouspe J (Director). Clinical Pharmacy Service Contract, 7/1/03 to 6/30/04, Blackfoot Medical Center, $30,000.

V. Culbertson & PS Cady. Drug Utilization Review in the Idaho State Medicaid Program (Renewal). (Co-Principal Investigators), funded by theIdaho Department of Health and Welfare, $284,000. October 2003.

### PUBLICATIONS


new faculty... (Continued from Page 7)

John Erramouspe and the College of Pharmacy in the development of a pediatric pharmacy.

He then served as executive director of the Idaho Association of Physicians (IDAP). While at IDAP he worked with regional physicians in obtaining economies of scale as they pertain to their office practices. These include purchasing arrangements, shared computer systems, networks, and working with physicians and Blue Cross Insurance in developing a health plan focused on management of health care costs.

Most recently, Dr. Casperson was the administrator of the Blackfoot Medical Center. While at Blackfoot, he was instrumental in the development of a new medical facility focused upon the integration of many health specialties.

His professional/research areas include health care finance, health economics, and rural health care. Dr. Casperson serves on the Board of the National Association of Rural Health Clinics. At ISU, Dr. Casperson will teach managerial issues related to pharmacy practice, marketing, and personal finance.

Dr. Casperson has been an adjunct faculty member at ISU since 1983 teaching courses in health care finance, strategic planning of health care facilities and managerial courses to students of physical therapy, occupational therapy, X-ray technology and pharmacy. He has served as preceptor for MHA students from the University of Minnesota and has served as preceptor for more than 50 students completing their course work in health care administration at ISU.

(Continued from Page 14)


AWARDS/OTHER

Symposium organization: Organizer (Das, S. K.) and Moderator (Das S. K. and Das, N. G.) of session, “Graduate Education in Pharmaceutics and Future of Academic Pharmaceutics,” Annual Meeting of American Association of Pharmaceutical Scientists, Salt Lake City, UT, October 30, 2003

National committee: Das S. K. has been appointed to the education committee of American Association of Pharmaceutical Scientists, representing the Pharmaceutics and Drug Delivery Section.

Wilson, C.M. Organizer/Coordinator/Participant for the Diabetes Health Fair in Preston, ID. Involved P1-P4 pharmacy students in medication evaluation, hemoglobin A1c screening, foot screening, and patient education. Oct. 11, 2003

Lott, R.S. Represented Epilepsy Foundation of Idaho at National Conference for Epilepsy Foundation.


Drs. Mason and Carr attended “The RX for Change Program” in San Francisco in July. The goal of this program is to disseminate smoking cessation curriculum for Pharm. D. colleges across the country. The training program was funded by the National Cancer Institute Grant.

The American Society of Health System Pharmacists Accreditation team made a site visit October 8 and 9 to the Boise VA to review Dr. Mason’s Primary Care Residency program and Dr. Jue’s Geriatric Residency Program.

Dr. Mason was invited to serve as faculty for an upcoming continuing medical education anticoagulation symposia series. She joined 48 Anticoagulant Clinic colleagues for an education program in Chicago on September 17, 2003.

In addition to her responsibilities as Assistant Academic Vice President for Idaho State University, Dr. Barbara Adamcik was appointed as Accreditation Coordinator for ISU. She also has been appointed as a member of the NABP FPGE Exam Review Committee (NABP = National Association of Boards of Pharmacy; FPGE = Foreign Pharmacist Graduates Equivalency Exam).

Dr. Rex Force was a nominee for the Distinguished Teacher Award – Idaho State University. He also was named to the Editorial Advisory Panel in Family Medicine for Annals of Pharmacotherapy.

Dr. Catherine Heyneman was honored by The Salvation Army of Pocatello at the 4th Annual Heroes Banquet August 6, 2003.

Dr. John Erramouspe was appointed as Chairman for the Pediatric Editorial Advisory Board to the Annals of Pharmacotherapy, September 2003.
About 40 ISU College of Pharmacy alumni and friends gathered at the Hillcrest Country Club in Boise for the first Treasure Valley Alumni Banquet on Sept. 5. Graduates attended the banquet from classes ranging from 1944 to 1981. Alumni shared memories of, and listened to the current happenings at ISU College of Pharmacy. The banquet is planned as an annual event.

Dean Joseph Steiner hosted the banquet, introducing guest speakers such as Dr. Robin Dodson, chief academic officer and professor of pharmacology at the ISU-Boise Center. Dr. Dodson explained the expanding presence of the College of Pharmacy and the opportunities for higher education available at the ISU Boise Center.

Samuel Hoagland, J.D., R.Ph., adjunct associate professor of pharmacy practice and administrative science at the ISU Boise Center, spoke on the changing role of today’s pharmacist. As the job description for pharmacists has expanded, more is being required of pharmacy students, he said.

Hoagland said it is not enough just to be knowledgeable about medications and drug therapy. Today’s pharmacist also must be able to work with physicians, patients and interdisciplinary health care teams to address the individual needs of patients and to ensure that patients get the most out of their drug therapy. He emphasized that pharmacists would eventually be paid for this service, as are other health care providers.

Alumni were also treated to the talents of Mr. Dave Nelson, 1964, playing the banjo. Dave, and his wife, Beverly, reside in Twin Falls, Idaho, where they own and operate a community drug store.