1997-98
Annual Report

Idaho State University
College of Pharmacy

Campus Box 8288
Pocatello, Idaho 83209
Phone: 208-236-2175
http://www.pharmacy.isu.edu

Courtesy Garth Holmes, ’60, Collection
Advanced Parenteral Products
Advanced Biopharmaceutics & Pharmacokinetics
Advanced Pharmacy Administration
Advanced Pharmacy Management I & II
Ambulatory Care Clerkship
Basic & Applied Pharmacology
Biological Actions of Chemicals
Biopharmaceutical Analysis
Case Studies in Pharmacy I, II, III & IV
Clinical Chemistry
Clinical Pharmacokinetics
Clinical Research Design & Analysis
Current Topics in Pharmacy
Dermatologicals
Dissertation
Dissertation Research
Drug Information Clerkship
Drug Information & Medical Terminology
Drug Therapy
Drugs in Society
Essentials of Pharmacology
Ethics for Health Professions
Externship
Geriatrics Clerkship
Graduate Seminar in Pharmaceutical Sciences
Annual Report

Idaho State University
College of Pharmacy
1997-98

Featuring the Accomplishments of the College, Faculty, and Staff for Fiscal Year ‘98

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College of Pharmacy Mission

The College of Pharmacy, an agent of the state of Idaho, is a nationally-recognized, statewide program for the education of pharmacy practitioners in the delivery of pharmaceutical care.

This mission includes the delivery of highest quality prelicensure education, graduate education in the pharmaceutical and social/administrative sciences, and competency enhancement of pharmacy practitioners.

As a major comprehensive health sciences academic program, the college is the state’s resource for scientific investigation on pharmaceutically-related health issues and the largest repository for expertise in pharmacy practice in the state. Educational, service and research programs are tailored to meet the specific needs of the citizens of Idaho.

More information about the College of Pharmacy can be found at http://www.pharmacy.isu.edu
From the Dean

The 1997-98 academic year was a year of self-assessment and building for the future. The 10,000 square foot addition to Leonard Hall was completed in March after less than nine months of construction. It houses a multimedia classroom with connectivity for laptop computers at each student desk, three small group teaching rooms, a research laboratory, 10 offices, secretarial support space, and an unfinished basement for future expansion.

Thanks to the generosity of our loyal alumni and friends, gifts and contributions increased by 65 percent over the prior academic year. Eighty-two thousand dollars in scholarships were endowed by the generous contributions of Sidney Sly (to the Sidney L. and Hetty H. Sly Endowment), Dorothy and Marilyn Dixon (to the Robert L. and Wilbur Dixon Memorial Scholarship Fund), and the estate of Lucille H. Kingsbury. The annual giving program also showed gratifying increases in support, with the phonathon recording a 25 percent increase in contributions over last year.

These contributions make meaningful differences in the lives of students and allow us to enrich our teaching programs in ways that would not be possible if we relied entirely upon state funding. I know I speak on behalf of the entire college in expressing our deepest appreciation to our generous alumni and friends.

Four of our current faculty captured the prestigious Lyman Award, an award made annually by the American Association of Colleges of Pharmacy Board of Directors for the most notable scholarly work published in the American Journal of Pharmaceutical Education during the preceding year. The award recipients were Dr. Vaughn L. Culbertson, Dr. Rodney A. Larson, Dr. Paul S. Cady, Dr. Rex W. Force, and Dr. Milind Kale (a former faculty member). The winning article was A Conceptual Framework for Defining Pharmaceutical Diagnosis. This award brings distinction not only to the recipients, but to the entire college.

The Office of Student Affairs was directed by Dr. Virginia J. Galizia and is responsible for recruitment, admissions, progressions, scholarship awards, and program assessment. Recruitment efforts were stepped up, and a concerted effort was made to maintain personal contact with interested prepharmacy students and advisors in affiliated schools. The Admissions Committee continued to revise and utilize the best procedures and guidelines to select the most qualified candidates for the professional program. The faculty advisors and Progressions Committee worked actively in guiding and promoting the academic success of students. The retention rate for the college over the five-year period 1993-98 was 96 percent. Overall program assessment was streamlined and updated by the Assessment Committee through development of endpoint competencies and a program for systematic assessment, which was approved by the faculty in May of 1998.

One hundred sixty-seven traditional doctor of pharmacy students and twelve nontraditional doctor of pharmacy students received $2,033,517 in federal financial aid in the form of grants, loans, and work-study funding. Additionally, 129 students received $198,058 in scholarship funding from a variety of other sources.

Both the Department of Pharmacy Practice and Administrative Sciences and the Department of Pharmaceutical Sciences had a successful year with regard to recruiting faculty to replace those who had left due to retirements and attrition. Dr. Cara Liday came from ISU’s Family Medicine program and brings expertise in ambulatory practice with research interests in diabetes and women’s health issues. Dr. Catherine Hitt joined us from the Mayo Medical Center and assumed responsibilities in adult internal medicine at St. Alphonsus Regional Medical Center in Boise. Her research interests are in applied pharmacoeconomics. Dr. Alok Bhushan came to us from the Vermont Cancer Center. He teaches cancer pharmacology and conducts cancer research in the area of cell signal transduction. Dr. Sudip Das came directly from Nova Southeastern University College of Pharmacy. He teaches pharmaceutics and has specific research interests in drug delivery. Dr. Leslie Devaud joined us from the Univer-
So many people deserve a heartfelt thanks for making 1997-98 another successful year for the college. Our faculty, staff, and students are second to none in the country, and their commitment to working together to build a stronger college has been integral. Our nearly 200 affiliate and adjunct faculty extend tremendously the depth and scope of information offered to our students and the practice opportunities that they may experience. Also, the alumni and friends of the college who give unselfishly of their time and dollars to enable program enhancements that would otherwise be impossible also deserve a special thanks. The college will make great strides in the coming decade, and there is nowhere I would rather be as we enter the next millennium.

Barbara G. Wells
Dean
College of Pharmacy Captures Lyman Award

Dr. Vaughn L. Culbertson, chair; Dr. Rodney A. Larson, assistant professor; Dr. Paul S. Cady, associate professor, all of the Department of Pharmacy Practice and Administrative Sciences; Milind Kale; and Dr. Rex W. Force, assistant professor of pharmacy with the ISU Family Practice Residency program, received the American Association of Colleges of Pharmacy Rufus A. Lyman Award on July 21 during the 99th AACP annual meeting in Snowmass Village, CO.

The award is named for Rufus A. Lyman, the first editor of the American Journal of Pharmaceutical Education and the father of the late Dr. Rufus A. Lyman, longtime ISU professor of biological sciences. The award is given annually by the AACP board of directors to recognize the most notable original research and/or scholarly work published in the journal during the preceding year. The award consists of a $3,000 cash prize and an inscribed plaque.

The winning article, *A Conceptual Framework for Defining Pharmaceutical Diagnosis*, appeared in Volume 61 (1997) of the journal and described a structure for identifying, defining, and labeling drug-related problems. The structure results in a diagnostic process that improves communication of patient-specific information between pharmacists and other health care providers to ultimately provide effective delivery of pharmaceutical care.

"We're really excited about the award because it recognizes our process as a key component in the evolution of pharmacy practice," said Culbertson, lead author.

The ISU faculty members join a prestigious group of past recipients since the award’s inception in 1981. Culbertson added, "We're also proud of our award on behalf of the entire university, as it reaffirms ISU's College of Pharmacy as a national leader in pharmacy education."

The Lyman Award selection committee members, chaired by Dr. George H. Cocolas, editor of the American Journal of Pharmaceutical Education, evaluated nominated manuscripts based on factors such as utility and significance to pharmacy education, originality, research methodology, and writing style. The committee’s selection was endorsed by the AACP board of directors at its February meeting.
$82,000 in Private Endowments Established

Sidney L. & Hetty H. Sly Scholarship

A generous ISU supporter and alumnus of 46 years, Sidney L. Sly, Roy, Utah, donated $50,000 to establish the Sidney L. (Lewis) and Hetty H. Sly Scholarship Endowment. Sidney and Hetty planned the donation prior to her untimely passing during summer 1997.

Sidney and Hetty met in 1945 while Sidney was working in an Ogden pharmacy. After graduation in 1952, Sidney began working for the Atomic Energy Commission as an analytical chemist. Sly was the first in his family to attend college and receive a degree.

Hetty, also an ISU student, studied at Weber State University where she competed in debate. Sly jokingly says Hetty’s debating skills account for the fact that he “never won an argument.” Sly worked at a Blackfoot, ID, pharmacy before returning to Ogden, UT, where he worked at the McKay Dee Hospital for 38 years. Hetty worked for Hill Air Force Base for 31 years as purchasing director.

During their college years, the Slys experienced the challenges faced by students working their way through college. Sid said that he knew “several students who were married and had children that reached their third pharmacy year and could not complete the program.” He added, “I wanted to make it a little easier for young people attending college today than it was for me.”

The Slys have two daughters, Denise and Edith. Denise earned a master’s degree in physical education and sports medicine at Utah State University and is a junior high school teacher. Edith teaches remedial reading and computer science in the Davis County School District in Utah.
The college received a $12,000 endowment from the Estate of Lucille H. Kingsbury. The endowment is designed to provide one scholarship to an eligible student enrolled in the doctor of pharmacy program. Ms. Kingsbury passed away March 28, 1996, at the age of 97, in Twin Falls, ID. She was born April 18, 1898, the daughter of Robert Lee and Alta Weary Hetrick. She received a degree from Valley City Teacher’s College in North Dakota and taught 4th, 7th, and 8th grades. She married John M. Kingsbury and moved to Oakley, ID, where her husband operated a pharmacy. She received a B.S. in pharmacy from ISU in 1957 to assist him in the drugstore. She was active in her community and planned her estate to give back to those people and organizations that meant the most to her. Sadly, the college never had the opportunity to thank Lucille personally for her intention to leave such a thoughtful and beneficial gift to us. We received her gift through her estate this March, nearly one year after she passed away. We sincerely appreciate the difference she will be making to the college and its students through this perpetual gift and pass along our gratitude to her relatives and friends that also had their lives touched by her.

## Kingsbury Endowment Established

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## Dixon Scholarship Scholarship Honors Husbands & Brothers

Ms. Dorothy (Dottie) C. Dixon and Ms. Marilyn R. Dixon established the Robert L. and Wilbur Dixon Memorial Scholarship in memory of their husbands Robert (Bob), ’58, and Wilbur (Bill) Dixon, ’56, who were brothers. The $10,000 endowment is designed to provide one scholarship to an eligible student enrolled in the doctor of pharmacy program. Marilyn commented, “I think Bob and Bill would very much have approved the creation of this endowment. They both were very appreciative of the education they received at the Idaho State School of Pharmacy” – as it was known then.

Dottie and Marilyn also attended ISU during that time, studying speech therapy and sociology, respectively, and have fond memories, especially with the social life on campus.

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Dottie and Marilyn also attended ISU during that time, studying speech therapy and sociology, respectively, and have fond memories, especially with the social life on campus.

## Wells Endowment Assists Idaho Students

The college received a $10,000 scholarship gift from Richard and Barbara Wells, dean, College of Pharmacy. The Richard M. and Barbara G. Wells Scholarship Endowment is designed to provide one or more scholarships to a doctor of pharmacy student. Preference will be given to an Idaho resident, enrolled in their third or fourth year of the doctor of pharmacy program, with a minimum 3.0 grade point average, and who is active in student professional activities.

“One of the best benefits of establishing the endowment as dean is the opportunity we both have to not only meet, but truly get to know, our scholarship recipients,” Dean Wells commented.

Both Richard and I wanted to reward a student not only for excelling academically but for giving of themselves in time and effort to the profession while in their educational program. With the changes confronting health care, the profession needs thoughtful and creative leaders to take us into the next century. These are the kinds of students we would like to identify and reward with this scholarship, she added.

The Wells moved to Idaho in 1995 when Barbara accepted the position of dean. They have two grown children.
Leonard Hall Addition Completed

Addition constructed solely through private funding

On March 1, 1998, the Leonard Hall building addition was completed. The $1,012,000 addition was begun June 16, 1997, by Taysom Construction using Idaho architects Nielson, Bodily and Associates’ design and completed four weeks ahead of schedule.

The addition’s 10,000 square feet on three floors houses 10 offices, a multimedia classroom with connectivity for laptop computers at each student desk, three small group teaching rooms, secretarial support space, a research laboratory, and an unfinished basement for storage and future expansion.

The addition is also noteworthy in that no government funding was used in either the design or construction phases. Private donations fully supported the establishment of this structure. Additionally, the construction also provided for improvement of the entire building’s fire alarm system, bringing Leonard Hall up to current fire suppression code and resulting in a safer environment for everyone.

The college thanks our loyal contributors who, through their loyal and generous support, responded to our needs and made a difference to our students’ education.
Fond Farewells

Drs. Judy Fontenelle, Robert Goettsch, and Ike Isaacson accounted for nearly a century of service to ISU and the College of Pharmacy. We bid them a fond farewell and best wishes in retirement.

Dr. Fontenelle received her Ph.D. in biochemistry from Tulane University Medical School in 1967. Following the receipt of her doctorate, she served as a postdoctoral fellow and subsequently as a research associate at the McEachern Cancer Research Unit at University of Alberta. She joined ISU’s College of Pharmacy in 1969 as an assistant professor of pharmacology and biochemistry. She was promoted to full professor in 1979. In 1995, Dr. Fontenelle served as interim chair for the Department of Pharmaceutical Sciences. During her career at ISU she also was able to enjoy the advantages of two research sabbatical leaves. In 1976, she served one year as a National Research Service tumor biology fellow in the Department of Biochemistry at the University of Iowa. In 1991, she spent nine months as a visiting scientist with the Department of Genetics at the Southwest Foundation for Biomedical Research, San Antonio, Texas.

Dr. Goettsch received his Ph.D. in pharmaceutical chemistry from the University of Iowa in 1957. Before coming to ISU, Dr. Goettsch had taught pharmaceutics at a number of pharmacy schools, including University of Kansas, Northeast Louisiana State College and University of Tennessee. He joined the ISU College of Pharmacy in 1965 as an associate professor of pharmaceutics and was subsequently promoted to full professor in 1968. Dr. Goettsch has been the recipient of numerous professional awards, served as major advisor for numerous M.S. degree students and continues to attend professional meetings.

Dr. Isaacson received his Ph.D. in pharmaceutical chemistry in 1963 from the University of Minnesota. He taught pharmaceutical chemistry for a number of years at the University of Texas at Austin before joining the ISU College of Pharmacy as an associate professor of pharmaceutical chemistry in 1969. He achieved promotion to professor in 1972. Highlights of his accomplishments include Teacher of the Year in 1993, service as a member of the AACP subcommittee for formulation of medicinal chemistry competencies, publication of invited book chapters in the Textbook of Medicinal and Pharmaceutical Chemistry, and, in collaboration with Dr. L. Braun, Professor Emeritus of Chemistry at ISU, design and synthesis of new CCK-A receptor antagonists for testing in the pharmacological activity assay program at the National Institutes of Health.
New Faces

New Faculty Join College

Five new faculty members joined the college, filling positions vacated through retirements and attrition. Catherine Hitt, Pharm.D., and Cara Liday (formerly Lawless), Pharm.D., joined the Department of Pharmacy Practice and Administrative Sciences while Alok Bhushan, Ph.D., Sudip Das, Ph.D., and Leslie Devaud, Ph.D., joined the Department of Pharmaceutical Sciences.

Dr. Catherine Hitt joined the college from the Mayo Medical Center in Rochester, MN, where she was a drug information and pharmacoeconomic clinical specialist. She also provided drug cost containment program support, medication use review and precepted pharmacy students in a pharmacoeconomics elective rotation.

She is an alumna of Idaho State University, having received her doctor of pharmacy in 1993. Hitt’s research interests focus on applied pharmacoeconomics. She joined the ISU faculty as an assistant professor and precepts students in the adult internal medicine clerkship at St. Alphonsus Regional Medical Center in Boise, ID.

Dr. Cara Liday joined the college from ISU’s Family Medicine program where she also completed a residency and fellowship that included research in anti-obesity medications. With Family Medicine, Liday focused on providing inpatient and outpatient clinical pharmacy services to the program’s residents, teaching therapeutics to physician assistant and pharmacy students, precepting pharmacy students, and participating in the residency program faculty’s ongoing research.

Also joining as an assistant professor, Liday brings to the college research interests in diabetes and women’s health issues. Liday is also an ISU alumna graduating in 1996 with her doctor of pharmacy degree. She precepts students in ambulatory care with the Pocatello, ID, Family Practice Group.

Dr. Alok Bhushan joined the college from the Vermont Cancer Center, Burlington, VT. Bhushan received his bachelor’s and master’s degrees in chemistry from the University of Delhi, India, and his Ph.D. in biochemistry from the Department of Biochemistry, Punjab Agricultural University, India.

Bhushan’s research interests lie in cancer research; specifically the different aspects of signal transduction that play a role in cell growth and cell death and the toxicity of drugs in cancer cells. At ISU, Bhushan fills the role of assistant professor of pharmacology and teaches cancer pharmacology to undergraduate and graduate students.

Dr. Sudip Das came to the college from Nova Southeastern University College of Pharmacy, Ft. Lauderdale, FL. Das received his bachelor of pharmacy, and master’s and Ph.D. in pharmaceutics, from Jadavpur University, India. As a postgraduate scholar, Das received specialized training in pharmaceutical technology through a Belgian government-sponsored program. He also completed a postdoctoral research fellowship at the University of Queensland, Australia.

Das has over 16 years of research experience in pharmaceutics and drug delivery. Das joined the college as an associate professor of pharmaceutics.

Dr. Leslie Devaud joined the college from the University of North Carolina School of Medicine, Chapel Hill, NC, where she worked as a research assistant professor with the Bowles Center for Alcohol Studies and Department of Psychiatry.

Devaud earned her bachelor’s degree in botany from California State University, Long Beach, CA, in 1976. She earned her Ph.D. in neuropharmacology from Oregon State University, Corvallis, OR, in 1988. Devaud’s research focuses on dependence/tolerance and withdrawal mechanisms in the brain that develop from substance abuse, specifically alcohol. Devaud is also researching how gender affects these mechanisms. She joined the college as an assistant professor of pharmacology.
Personnel Changes

New Assistants
Foster & Lasky Join College

Cynthia Foster, M.P.A., former associate director for the Center for Rural Revitalization and Learning (C-Rural) at Idaho State University, joined the staff of ISU’s College of Pharmacy as assistant to the dean for student affairs and admissions.

Foster assists the associate dean with prepharmacy academic advising and career counseling, recruitment, admissions, and career development. Included in her responsibilities is coordination of the college’s annual pharmacy career recruitment fair, organization of first-year professional student orientation, and other pharmacy student events.

At ISU, Foster earned a B.A. in history in 1991, an M.P.A. in 1995, and is currently completing her dissertation for a doctor of arts degree in political science.

As associate director for C-Rural, Foster was responsible for leadership training workshops, budget analysis and maintenance, and graduate assistant and VISTA volunteer supervision in support of promoting community development efforts in 12 rural Idaho communities. Prior to being associate director, she was involved in data collection, analysis, and database development for C-Rural as a community development specialist. Foster was also a doctoral fellow/instructor for ISU’s Department of Political Science and taught introduction to American government.

Margo Lasky, former publication engineer for Lockheed Martin Advanced Environmental Systems, joined the college’s staff assisting the dean with outreach activities and publications in the areas of program development and alumni affairs. She also coordinates and implements the college’s phonathon fundraiser and develops and publishes the college’s annual report and alumni and dean’s newsletters.

Lasky earned a B.S. in ecology and was named outstanding biologist at ISU in 1992. She was employed at ISU with the Institute for the Environment Health and Safety as a project analyst/editor and developed and produced the INEL/ISU Research Summary and the ISU Research Report. She has been involved in many community activities and was a 1995 graduate of the Leadership Pocatello program. She served on the Leadership Pocatello Alumni Association Board of Directors as public relations director.

Both Foster and Lasky are ISU alumni, with degrees in political science and ecology, respectively.
Organizational Structure

The college’s faculty and staff experienced several personnel changes this year.
College of Pharmacy

Dean’s Advisory Council

The Dean’s Advisory Council (DAC) serves as an advisory body to the dean of the College of Pharmacy. The DAC meets twice a year and provides counsel regarding the college’s curriculum, strategic planning, fund raising, program assessment, activities and functions, proposed legislation, and other areas as required. The membership of the DAC includes state and national pharmacy leaders, alumni, practicing pharmacists, pharmacy owners, and corporate and industrial leaders. Members of the DAC serve three-year terms that may be repeated at the discretion of the dean. Appointments to the council are made by the dean with recommendations from the DAC and college administration.

1997-98 Dean’s Advisory Council Members

James Alexander, Sav Mor Drug
Kent Alexander, Sav Mor Drug
Brad Anderson, SmithKline Beecham Pharmaceuticals
Brian Auer, The Owl Pharmacies
Steve Avey, Prospective Health Inc.
Jack Botts, Jack’s Pharmacy Inc.
Marion Bowen, Retired/Idaho Board of Pharmacy
Kelly Carpentier, PayLess Drug Stores
JoAn Condie, Idaho State Pharmacy Association
Paul Driver, Pocatello Regional Medical Center
William Eames, William M. Eames and Associates
Phil Fergusson, Bayer Corporation
Robert Fischer, Selkirk Medical Service
James Francis, St. Luke’s Regional Medical Center
Allen Frisk, St. Alphonsus Regional Medical Center
Dorothy Galloway, Bingham Memorial Hospital
Lorri Gebo-Shaver, Super Save Drug
Neil Griggs, Columbia Eastern Idaho Regional Medical Center
Steven Hadlock, The Medicine Shoppe
Nancy Hecox, Fred Meyer Inc./Washington Board of Pharmacy
Doug Janachek, Merck & Company, Inc.
Kent Jensen, Fred Meyer Inc.
Shawna Kittridge, Vencare Pharmacy Services
Don Leonard, Chateau Drug
Howard Mann, Allen & Hanburys
Richard Markuson, Idaho Board of Pharmacy
Barbara J. Mason, Idaho State University
Gary Meadows, Washington State University
Val Middleton, Hyway Drug/Idaho Board of Pharmacy
Larry Munkelt, Pocatello Regional Medical Center
Jay Osborne, Sierra View District Hospital
Ara Paul, Dean Emeritus/The University of Michigan
Boyd Poulsen, Retired/Syntex
Kent Quickstad, St. Luke’s Regional Medical Center
Ed Reddish, Mallea-Reddish Pharmacy
George Roe, Costco
Doug Rooney, Northwest Cosmetic Laboratories
Frank Savage, Agouron Pharmaceuticals, Inc., and Amgen Inc.
Mark Shadle, Albertson’s Inc.
Marilyn Silcock, Bannock Regional Medical Center/Idaho Board of Pharmacy
Edward Snell, Ed Snell’s Pharmacy Shop
Dorsie Sullenger, Madison Memorial Hospital
Frank Talboy, VA Medical Center
John Tilley, Tilley’s Apothecaries Inc.
Rob Tyler, Tyler’s Gem Pharmacy
Janet Westendorf, Glaxo Wellcome Inc.
Mary Wheatley, Ontario Clinic Pharmacy
Ralph Wheeler, State Legislator
John Wiltse, Idaho Society of Health-System Pharmacists

The DAC meets twice a year to assist college decision making in curriculum, strategic planning, fund raising, program assessment, and proposed legislation.
College Committees

Committees comprise faculty members, staff, and students. Faculty members on committees (except the Technology Committee) serve two-year terms, other than those serving as representatives of university committees, which may have longer terms. Students are appointed for one-year terms. Faculty are elected by their colleagues for the Faculty Affairs Committee; departmental representatives on other standing committees are appointed by the college’s Administrative Council.

**Assessment Committee**
- Virginia Galizia (Co-Chair)
- Barbara Lawrence (Co-Chair)
- Barbara Adamcik
- Jan Beckwith
- Paul Cady
- Eric Jarvi
- James Lai
- Rodney Larson
- Barbara Mason

**Curricular Affairs Committee**
- Rodney Larson (Chair)
- Virginia Galizia (Ex Officio)
- Barbara Adamcik
- Jay Haener (Student)
- Roger Hefflinger
- Cary Mobley
- Clive Nelson
- Anna Ratka
- Nate Smedley (Student)

**Faculty Affairs Committee**
- Eric Jarvi (Chair)
- John Erramouspe
- Tom LaHann
- Rodney Larson
- Karl Madaras-Kelly
- Cary Mobley

**Student Affairs Committee**
- Virginia Galizia (Chair, Ex Officio)
- Vaughn Culbertson (Ex Officio)
- Teddie Gould
- Eugene Isaacson
- James Lai
- Richard Rhodes
- Kim Wilcox (Student)
- Joanne Winters (Student)

**Technology Committee**
- Paul Cady (Chair)
- Virginia Galizia
- Stephen Hurley
- Sandra Jue
- Craig Kelley
- Thomas LaHann
- Margo Lasky
- Mary Ann Stoll
- Cindy Wilson

Office of the Dean

Julie Hillebrandt
Financial Report

The state supported budget of Idaho State University College of Pharmacy increased from $2,929,052 in Fiscal Year ‘97 to $2,951,249 in Fiscal Year ‘98. This represents a 0.76 percent increase in state support for the college.

The state supported budget includes monies for faculty and staff salaries, equipment, materials, supplies, and communication costs for the college.

The college also received gifts in the amount of $184,444, which includes the annual phonathon fund drive. Grants and contracts received by College of Pharmacy faculty and graduate students in Fiscal Year ‘98 totaled $762,949, and the indirect cost recovery from some of those grants was $31,910. Earnings from endowment funds netted the college $295,088. Student fees added $753,716 to the college’s budget, and sales and services brought in $127,259.

In order to fulfill the mission of the College of Pharmacy, state funds alone are not enough to meet the needs of the service, research and educational programs of the college. Additional funding is needed for equipment, supplies, special projects, research, student scholarships and fellowships, and special programs of the college. Annual giving has continued to grow in a time of modest, if any, increases in budgets. Annual giving and endowment income are very important components of the college’s budget. Additionally, faculty members have been successful in securing vital extramural support.
Financial Report

Federal programs and contributions from friends, alumni, and corporations resulted in $2.13 million awarded to pharmacy students in financial assistance.

Grants and Contracts Awarded in FY’98*

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<th>Pharm Sciences</th>
<th>Pharm Practice</th>
<th>Principal Investigator</th>
<th>Funding Agency</th>
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<tr>
<td>$5,000</td>
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<td>Wendy Force</td>
<td>Bristol Myers-Squibb</td>
<td></td>
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<tr>
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<td>Chris Daniels</td>
<td>Faculty Senate, Research Committee</td>
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<td>Barbara Adamcik</td>
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<td>Warner Lambert</td>
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<tr>
<td>$762,949</td>
<td>Combined (College) Total</td>
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</table>

* As reported by the Office of Sponsored Programs

Student Financial Assistance

Though increases in tuition and fees have been moderate, students continue to depend on financial assistance to pursue their educational and professional goals. Students have applied for assistance in the form of grants, scholarships, loans, and federal work-study programs. The following are financial assistance statistics for the 1997-98 academic year for College of Pharmacy students.

One hundred sixty-seven traditional doctor of pharmacy students received $1,932,639 in federal financial aid; the average award was $11,572.

Twelve nontraditional doctor of pharmacy students received $100,878 in federal financial aid; the average award was $8,407.

One hundred twenty-nine students received $198,058 in scholarship funding from a variety of sources; the average award was $1,535. Of these funds, the college awarded $80,976 to 88 students. These awards were made possible through the generous contributions of friends, alumni, and corporations.

In the College of Pharmacy, more than $45,428 in scholarship funding was received from the Kasiska Family Foundation. All awards combined resulted in pharmacy students receiving more than $2,130,697 in financial assistance.
The Office of the Associate Dean continues to evolve and expand activities and responsibilities to meet the needs of the students and the academic program. Student feedback and the spirit of change has grown in positive directions during the past year.

Staff
As change is inevitable, the academic world is not immune and welcomes the chance to grow in new directions. A new assistant to the dean for student affairs and admissions was greeted with the new year, joining our staff in January 1998. Ms. Cynthia Foster, M.P.A., brings with her years of experience on campus both as an alumna of ISU and employee. With enthusiasm and experienced effort, Cynthia assisted with the admissions process during the spring semester and coordinated the end of the year graduation activities. Through her direction, the pharmacy banquet and awards ceremony was one of the most successful in recent history.

Ms. Rae Dahmer, secretary in the Office of the Associate Dean, received university recognition for her meritorious service - she has been with the College of Pharmacy for 10 years. As her responsibilities and talents continue to expand, Rae is now supervising a student worker to assist in the daily tasks of this busy office.

Student Affairs
Prepharmacy students continue to be a vital part of the college. Our office has made a concerted effort to maintain personal contact with interested prepharmacy students and advisors in affiliate schools. The assistant to the dean maintains this contact with all ISU prepharmacy students and, jointly, we actively participate in all on- and off-campus recruitment and advisement activities. Especially noteworthy is the increasing amount of electronic mail received from interested students from within the state as well as from other states.

The admissions process for the college is being modified annually in the face of changes in pharmacy education nationwide. As the new millennium approaches, colleges and schools of pharmacy that have not already done so prepare to move toward the Pharm.D. as the entry-level degree while phasing out B.S. in pharmacy programs. Our college remains distinctive in the northwest region for its long-standing Pharm.D. program where others are just beginning. However, as these programs develop, applicant pools and competitive status begin to change. Keeping with this evolution, the Admissions Committee continues to revise and utilize the best procedures and guidelines for selecting qualified candidates for the professional program.

The PCAT (Pharmacy College Admissions Test) was first introduced as an admissions requirement for the fall 1997 entering class. Used again as a criterion for fall 1998 admissions, the committee realized little was gained by this instrument and, because of the additional cost and difficulty in candidates’ accessibility to limited test locations, the PCAT seemed less than a positive change. Thus, the PCAT will not be required for the class entering in fall 1999; the committee will continue to review the need for this criterion in the future. The personal interview remains the predominant variable in the admissions selection process after academic success and preparedness (i.e., grades and prepharmacy course work).

The 49 new students in the P-1 class entering in fall of 1997 were selected from a pool of 166 applicants. Almost 80 percent of this class were Idaho residents. For the first time, Boise clinical faculty, a resident, and Pharm.D. students participated in applicant interviews. Statistics for the 1997 entering class are shown in the graphic on page 22.

Enrollment statistics for the full-time (traditional) doctor of pharmacy program for 1997-98 include 202 students:

<table>
<thead>
<tr>
<th>Class</th>
<th>Number</th>
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<tbody>
<tr>
<td>Class of 1998 (P-4 students)</td>
<td>49</td>
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<tr>
<td>Class of 1999 (P-3 students)</td>
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<td>52</td>
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<tr>
<td>Class of 2001 (P-1 students)</td>
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</table>

The retention rate for the College of Pharmacy over the five-year period, 1993-98, is 96 percent. The graduation rate for students graduating with their class in four years for the same five-year period is 93 percent.
Scholarships continue to be a significant factor in assisting students with the ever-increasing cost of education. During the 1997-98 academic year, $80,976 was awarded to pharmacy students in the form of scholarships. We are very grateful for the many contributions and, especially, the new endowments toward long-term scholarship funds made in the students’ behalf. Other than scholarships, student activities have also been funded from contributions made by local and national organizations and businesses.

Faculty advisors and the Progressions Committee are actively involved in guiding and promoting the academic success of the students. Auxiliary advisement and referrals from the Office of the Associate Dean assist students in successfully pursuing their educational and professional goals. The Progressions Committee voted to maintain the policy for academic excellence (no more than two grades below C in any professional courses to maintain matriculation in the program). The committee also proposed a specific policy for clerkship remediation and guidelines for completion of program requirements in the P-4 year that was subsequently approved by the student affairs committee and the college faculty.

The success of the 1997 Pharmacy Recruitment Fair was echoed with requests from recruiters to again participate in 1998. Additional recruiters have contacted the college to be included in upcoming events. With the addition of the new wing to Leonard Hall, we hope to accommodate more recruiters who actively seek ISU pharmacy students and graduates for professional positions.

Proudly, the Pharm.D. students continue to become more actively involved in the student affairs and admissions processes, offering significant and pragmatic recommendations to further advance our program at ISU. Their recommendations for changes in curricular affairs have also been instrumental in advancing their professional knowledge in new directions and relinquishing outdated policies in favor of more progressive measures. For example, the college’s requirement for extra courses in certain areas over and above the university’s general education requirements was rescinded by the faculty allowing the students more time to devote to professional courses and electives. Students have also been creative in their choices of electives, extending the list of electives accepted by the college’s Curricular Affairs Committee to include such courses as sign language, counseling in special areas (e.g., death and dying), Spanish for health-care professionals, and credit for course work taken outside the university (e.g., compounding techniques, substance abuse). This past year, several students demonstrated unique application of skills learned in elective course work allowing them to enhance their professional careers after they graduate.

Assessment

Assessment for the college varies in form relative to the type of information sought for feedback and program enhancement. Surveys of various constituencies (alumni, employ-
ers, faculty, and students) provide pertinent information leading to revisions and improvements in the college’s activities, policies, or courses.

Overall program assessment has been streamlined and updated by the Assessment Committee based on recently published practice activities for the profession of pharmacy. The proposal developed by the committee for ongoing assessment in the college was approved by the faculty in May 1998. This proposal includes basic knowledge skills and major objectives or content areas associated with professional courses. Longitudinally, the plan incorporates assessment at various stages in the curriculum from the time the student is admitted into the Pharm.D. program to a period after graduation.

Alumni who graduated within one, five, and ten years were surveyed in late 1997. The results of the responses indicate that our graduates are well-prepared for practice and are employed in traditional and nontraditional professional settings. Employers who responded to a separate survey commented on the excellent professional skills of our graduates and are employed in traditional and nontraditional professional settings. Employers who responded to a separate survey commented on the excellent professional skills of our graduates and the credibility of our program. Once in their profession, graduates appreciate the rigors and intentions of the professional program often missed by students and new graduates. The college’s excellent licensing, employment, and residency placement statistics remain noteworthy and dominant factors in describing the college’s successful educational pursuits.

Exit surveys of new graduates also provided significant information relative to the curriculum and life in the College of Pharmacy. Students graduating in May 1998 contributed to a greater awareness of student perceptions, preferences, and needs during their residence in the program, especially relative to changes in the curriculum. Comments and opinions have also lead to development of promotional materials and recruitment information that have become essential to the college’s image and professional growth. The same holds for the feedback obtained from the alumni and employer surveys. In particular, this year’s graduating class acknowledged the college’s efforts to maintain a quality and competitive professional program.

To assist new doctor of pharmacy students in acclimating to the rigors of the professional program, a professional development seminar course was offered in fall 1997. Guest instructors from ISU’s Academic Skills Center and Career Development Center participated as did faculty and students from our college. Comments and feedback from the students will be incorporated into modifying the seminar for the coming year.

Students are the lifeblood of the College of Pharmacy. Proudly, they contribute significant information and effort in the daily activities and the future of the college. Their energy and enthusiasm propels the college forward, bringing change and opportunity for themselves and those that follow. Truly, each class leaves a legacy for the next and provides new impetus for the faculty and administration towards future goals. It is the intention of the Office of the Associate Dean to assist, encourage, and applaud the students, faculty, and staff on their outstanding accomplishments and pursuits.

Virginia J. Galizia
Associate Dean
Technology Report

The College of Pharmacy owes much to its loyal and generous contributors, whose contributions have helped the college become a leader in the application of new computer technologies. Truly, we have come a long way.

From simple text-only syllabi, lecture notes, and assignments to complex documents that include graphics, photographs, and interactivity, pharmacy faculty are using the Internet as a method to enhance teaching and learning. Course information placed on the web allows students to access the information from any computer that is connected to the Internet, even during rotations, where students can access this information from computers located at their practice sites. WebStudies, an innovative method of teaching students clinical problem solving skills, is also provided through the web. The college’s student organizations maintain Internet home pages where they post information about past and upcoming events, and prospective students may use the college’s web pages to obtain curriculum information and to obtain an enrollment application.

The college also uses the Internet to assist practicing pharmacists as well as other health professionals. Using the web pages, practitioners may submit questions to the Idaho Drug Information Service. Practitioners may choose to have the response returned by phone, fax, or e-mail. The college also maintains a drug utilization web page that contains criteria used by the Idaho Medicaid Drug Utilization Board.

The college relies on technology to help fulfill its mission. All classrooms are equipped with computers and projection devices to permit the use of computer-generated documents and to provide presentations and lectures to students, faculty, health professionals, and the community. Using distance learning technology, students in Pocatello are able to attend lectures given by faculty in Boise and Twin Falls. Students and faculty are able to see and hear each other clearly, permitting real-time interaction.

To prepare students to practice in the information age, the college has invested in computers and servers. The college maintains its own server to provide pharmacy-specific services, such as MicroMedex, and the college also accesses university-wide resources via connection to campus servers. Additionally, the student lounge is equipped with computers and printers exclusively for student use. In a decision to move the college even further into the information age, the new classroom in the addition to Leonard Hall was equipped with computer connectivity at each of its 67 workstations. This feature will allow students to use notebook computers and access lecture material during class.

To keep up with advancing technologies, the addition’s classroom was also designed for video taping capabilities and will eventually be equipped for distance learning. This will give the college greater flexibility in using distance learning for curriculum and for expanding its use into other areas such as continuing education, conferences, and student seminars.

Technology has become such a vital part of pharmacy education that the dean established the Technology Committee, comprising faculty and staff, to be responsible for technology and hardware research, procurement, and policy recommendations on behalf of the college.

This past year, the committee redesigned the college’s web site structure to incorporate key college programs and personnel. User-friendly web page authoring software was also purchased. This redesign and software will allow the college to maintain a useful, current, and exciting web site for our cyber visitors.

No doubt the new millennium will pose many challenges to this committee and the college to keep ISU’s pharmacy students leaders in an information age - but we are up to the task.

Paul Cady, Ph.D.
Chair, Technology Committee

Shane Permann (l) and Andy Welch use the college’s new student laboratory printers
Department of Pharmacy Practice & Administrative Sciences

During academic year 1997-98, department faculty have undertaken a variety of curricular, research, and service activities to stay abreast of the challenges impacting pharmacy practice. Adding to these challenges are the many technological advancements and the concomitant response in the delivery of services in our still evolving health-care system. The positive responses to these formidable tasks have been extremely gratifying, and I would like to briefly comment on some of the faculty’s activities and accomplishments during the year.

The department completed a strategic planning process that resulted in the formulation of nine primary goals and 33 objectives for strengthening the academic and pharmaceutical care programs within the department. Faculty recruitment was an important activity during the year, and the department was successful in recruiting two outstanding new faculty. Dr. Cara Liday (Lawless) assumed the ambulatory care teaching responsibilities vacated by Dr. Patti Bartlome and Dr. Catherine Hitt replaced Dr. Joy Matsuyama, who was responsible for adult medicine instruction at St. Alphonsus Regional Medical Center. Both individuals are recent ISU graduates. Dr. Liday completed her residency and fellowship training at the Pocatello Family Medicine Clinic. Dr. Hitt completed a one-year general pharmacy residency at Hartford Hospital, Hartford, CT, and a two-year fellowship in antibiotic management and pharmacoeconomics at Hartford Hospital (for short profiles of our new faculty, see page 13).

A continuing emphasis on research and scholarship is evident from the department’s contribution to funded grants and scholarly publications. Departmental faculty contributed as principal investigators to four research projects and seven educational or service contracts during the academic year. A similar trend is evident from the list of publications authored during the year, which includes 16 published manuscripts, three book chapters, and four case study tutorials. Additionally, departmental faculty presented 14 abstracts at national scientific and professional meetings. Again, Dean Barbara Wells is deserving of special recognition for her editorial and scholarly contributions to the first edition of the Pharmacotherapy Handbook. The growing stature of the department as a productive academic unit was further evidenced by the appointment of four clinical faculty to the editorial advisory board of the Annals of Pharmacotherapy. These include: Rex Force (ambulatory care), Jan Beckwith (drug information), Catherine Heyneman (geriatrics) and John Erramouspe (pediatrics). This is double the membership from any other school, and these faculty are to be congratulated for their strong commitment to scholarship.

In the areas of committee and patient care service, it is clearly evident that the faculty are extremely busy (see Appendix I), far beyond their customary teaching responsibilities. Departmental faculty members delivered more than 94 presentations to the lay public, pharmacists, various health care practitioners, and other researchers during the academic year. Furthermore, faculty members participated in local, state, and national pharmacy organizations. Many faculty are actively involved in daily patient care responsibilities and collaborate closely with other health care practitioners in the community via patient care conferences and committees. Finally, department faculty serve on a number of college and university committees. Each member of the department deserves recognition for their individual contributions. Their accomplishments are truly remarkable and certainly bring a strong sense of pride and recognition to the college and university as well.

I would like to take the opportunity to recognize the nearly 200 adjunct faculty who contribute so importantly to our educational program (see page 46 for listing), and I would like to recognize a special group of practitioners/educators. This group includes pharmacists at the University of Nevada Medical Center in Las Vegas, NV; Reno VA Medical Center; Washoe Regional Medical Center in Reno, NV; the Naval Medical Center in San Diego, CA; and Magic Valley Regional Medical Center in Twin Falls, ID. This group of individuals exemplify pharmacy education and practice on a daily basis. Moreover, they have contributed significantly and positively to the clinical clerkship program for many years. Finally, recognition is due to departmental secretaries Ms. Sharlene Hetrick and, a new addition this year, Ms. Evelyn Genta. Their extraordinary skill and abilities in managing the myriad of details each day never ceases to amaze me. I thank all of you for your dedication and devotion to the college and our students. Your efforts are essential to our success.

I am extremely proud of the department’s record of accomplishments, and again honored to have served as its chair. Perhaps most importantly, however, I believe the future holds great promise and many opportunities. I look forward to reporting even greater accomplishments next year!

Vaughn Culbertson, Pharm.D. Chair
Department of Pharmaceutical Sciences

This last year marked the beginning of a period of significant transitions for the Department of Pharmaceutical Sciences. The arrival of the end of the 1997-98 year saw the retirement of the department’s three most senior faculty members, Drs. Judy Fontenelle, Robert Goettisch, and Ike Isaacson. Together, they accounted for almost 90 cumulative years of service to ISU and the College of Pharmacy.

With overwhelming department support, all three of our retiring faculty were awarded emeritus status as professors in the department and honored at spring 1998 commencement. We wish them the best in their pursuit of new and exciting directions in the years ahead (for short profiles, see page 12).

This last year, with the department’s new goals and objectives emphasizing both a continued commitment to the highest quality of teaching and continuing efforts to strengthen research in the pharmaceutical sciences, we undertook a major recruiting effort. As of the end of the 1997-98 year we had hired two new pharmacology and one new pharmaceutics faculty members. Joining the college was Dr. Alok Bhushan, a cancer pharmacologist from the Department of Pharmacology, Vermont Regional Cancer Center; Dr. Sudip Das from Nova Southeastern University College of Pharmacy, joined us in pharmaceutics; and a new neuropharmacologist, Dr. Leslie Devaud, joined us from the Bowles Center for Alcohol Studies in the Department of Psychiatry at the University of North Carolina School of Medicine (for short profiles of our new faculty, see page 13).

To support our basic science research efforts, the faculty must actively engage the intense national competition for research funding, a significant challenge for faculty at ISU. Each year I plan to acknowledge the contributions of two of our many outstanding faculty members by highlighting their significant research accomplishments and contributions to the department, the college, and ISU. This year’s spotlight is on Dr. James Lai, professor of pharmacology and toxicology, and Dr. Anna Ratka, associate professor of pharmaceutical sciences.

Dr. Lai received his Ph.D. in biochemistry from the University of Utrecht, the Netherlands, and the University of Florida, Poznan, Poland. After postdoctoral fellowships at the University of Utrecht, the Netherlands, and the University of Florida, Dr. Lai joined the college in 1992. Her research focuses on the interactions of the gonadal and adrenal steroid hormones with pain control. The main goal is to understand the mechanisms underlying the modulatory effects of steroid hormones on the opioid systems, and thus how to provide safer and more effective pain management with opiate analgesics. Dr. Lai has pursued these research interests through funding from the National Science Foundation’s EPSCoR program and currently has a multi-year research grant proposal for over $350,000 pending with the NIH. Dr. Lai has also been able to interweave her major research interest, regulation of opioid receptor action and pain perception, with a community-based professional service project. For the community, Dr. Lai has been instrumental in founding and coordinating the activities of the Idaho Coalition for Cancer Pain Relief. She has been responsible for organizing educational and fund raising activities within the local community and across Idaho. This statewide effort represents an interdisciplinary group of health professional volunteers with the common interest of improved cancer pain management.

Due to significant accomplishments of outstanding faculty such as Drs. Lai and Ratka, I am confident that the department will continue to gain scientific strength. The faculty are working with renewed enthusiasm to establish essential research collaborations both within the college, throughout campus and across the country. These efforts will enhance research at ISU, strengthen our graduate programs and increase the visibility and prestige of the department, the college, and the university.

Dr. Lai received his Ph.D. in biochemistry from the University of London in the United Kingdom and, in 1991, he left Cornell University School of Medicine to join ISU. His research interests include the neurotoxicity and metabolism of ammonia, fatty acids, and metals and the pathogenesis of neurodegenerative diseases. He is also an internationally recognized expert in the regulation and compartmentalizing of brain metabolism and mitochondrial function. Lai has published over 100 scientific articles and book chapters on these subjects and continues to make research presentations at national and international meetings. This last year Dr. Lai was responsible for submission of over $950,000 in research grants to a variety of funding agencies including the National Institutes of Health. One of Dr. Lai’s strategies for maintaining research productivity has been his successful cultivation of research collaborations with investigators at both Yale University and Albert Einstein University School of Medicine. Each year he spends several weeks on the east coast actively engaged in research on a variety of projects.

Dr. Anna Ratka received both her pharmacy degree and her Ph.D. in pharmacology from the Medical Academy in Poznan, Poland. After postdoctoral fellowships at the University of Utrecht, the Netherlands, and the University of Florida, Dr. Ratka joined the college in 1992. Her research focuses on the interactions of the gonadal and adrenal steroid hormones with pain control. The main goal is to understand the mechanisms underlying the modulatory effects of steroid hormones on the opioid systems, and thus how to provide safer and more effective pain management with opiate analgesics. Dr. Ratka has pursued these research interests through funding from the National Science Foundation’s EPSCoR program and currently has a multi-year research grant proposal for over $350,000 pending with the NIH. Dr. Ratka has also been able to interweave her major research interest, regulation of opioid receptor action and pain perception, with a community-based professional service project. For the community, Dr. Ratka has been instrumental in founding and coordinating the activities of the Idaho Coalition for Cancer Pain Relief. She has been responsible for organizing educational and fund raising activities within the local community and across Idaho. This state-wide effort represents an interdisciplinary group of health professional volunteers with the common interest of improved cancer pain management.

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Christopher Daniels, Ph.D.
Chair, Department of Pharmaceutical Sciences
College of Pharmacy

Pharmacy Practice Residency Program

Continuing involvement and development of pharmacy practice postgraduate training opportunities was an important accomplishment during the 1997-98 academic year. Pharmacy practice residents participated in numerous professional and educational activities during the year. In addition to pharmaceutical care responsibilities, their efforts included presentation of seminars, posters at state and national meetings, and numerous in-service educational meetings; student clerkship teaching; case study tutorials; and research projects.

Despite increasing financial pressures, we are optimistic about future opportunities and enthusiastically committed to a strong postgraduate training program to meet the changing health care needs of Idaho citizens. In the coming years, we sincerely hope to report additional residency and fellowship experiences offered by the college.

1997-98 Residency and Fellowship Training

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<th>Resident</th>
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<th>Faculty Preceptor</th>
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<td>Amber Bell</td>
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<td>V. Culbertson/P. Cady</td>
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<td>Cathy Ramos</td>
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<td><strong>Boise, ID:</strong></td>
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<td>Mark England</td>
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<tr>
<td>Byron Olson</td>
<td>Geriatrics</td>
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<td>S. Jue</td>
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</table>
Nontraditional Pharm.D. Program

The nontraditional doctor of pharmacy (Non-T) program is designed to provide practitioners holding a bachelor’s degree in pharmacy and a valid U.S. pharmacy license the opportunity to earn a Pharm.D. degree without returning full time to a college campus. During the 1997-98 fiscal year, the program was coordinated by Drs. Vaughn Culbertson and Catherine Heyneman.

Admission Procedure

Candidates for the Non-T Pharm.D. program must complete an admissions procedure that includes submitting documented evidence of a strong academic record, clinical experience, and past achievements as a pharmacy practitioner. Priority is given to residents of Idaho, however, pharmacists are encouraged to apply regardless of their state of residence. Prior to admission to the program, candidates must travel to Pocatello to complete an assessment process, which includes interviews and baseline evaluation of clinical skills.

The Program

The Non-T curriculum includes 30 credits of didactic course work that is taught using a combination of video tapes, interactive Internet-based case studies, detailed syllabi, and textbooks. Each course has an assigned instructor who is available to students via telephone for questions or assistance. Each student can complete the didactic course work at their own pace. The 30 didactic credits must be completed within three years, however.

After the didactic portion of the program is completed, students must perform 28 weeks of clerkship training in various clinical pharmacy disciplines. Approximately 300 clerkship sites have been established throughout the U.S.

Enrollment and Graduates

The Non-T program has graduated 108 students as of May 1998. Currently, over 220 students from throughout the U.S. are enrolled in the program. The applicant pool remains strong and provides enough qualified candidates to continue admitting a minimum of 50 new students annually.

Program Changes

The Non-T program has continued to incorporate active, case studies-based learning into its curriculum during the 1997-98 year. Seven students began utilizing the college’s WebStudies program via the internet. This case studies course has been used by the traditional students for several years with very positive results. WebStudies will soon be implemented as part of the degree requirements for the Non-T program, which will maintain the parallelism of the traditional and Non-T program pathways.

Additionally, the Non-T program continues to work with computer experts to convert the current videotaped course materials into a format accessible via the Internet, allowing students to learn and review course materials by simply accessing the appropriate URL through their current Internet provider. The spring 1998 completion of the multi-media classroom in the college’s new addition is anticipated to facilitate the formatting and production of such supplemental learning materials.

Finally, the Non-T program is experimenting with an Internet test making and taking program that would allow students to access course exams, submit their answers, and receive their test scores more rapidly. These processes will take time to finalize, and each course will be converted one at a time. The entire process is expected to take approximately two years but is anticipated to result in an accessible and user-friendly system that incorporates the latest in technological advances.
Graduate Programs

The College of Pharmacy graduate program offers the master of science and doctor of philosophy degrees that may be earned with study in two major focus areas: pharmacy administration and pharmaceutical sciences.

The M.S. and Ph.D. degrees offered with a focus in pharmacy administration include emphasis in the social and administrative sciences. The pharmaceutical sciences focus area offers the M.S. degree with an emphasis in pharmaceutical chemistry, pharmaceutics, and pharmacology and the Ph.D. degree with emphasis in pharmacology, pharmacokinetics, biopharmaceutics, and biopharmaceutical analysis.

Curricular requirements, mission, and goals for the pharmacy administration and pharmaceutical sciences focus areas are significantly different.

Pharmacy Administration

Dr. William Sharp coordinated the pharmacy administration emphasis area during the 1997-98 academic year.

The mission of the Pharmacy Administration Graduate Program is to advance research and development in order to enhance the delivery of safe, effective, and efficient pharmaceutical health care. To achieve this mission, the college must continually critique and disseminate existing knowledge and contribute new knowledge concerning pharmaceutical health care to a variety of audiences. The professions of pharmacy and medicine, other allied health professions, health care institutions and organizations, health policy makers, and consumers in Idaho and the Intermountain West are the major benefactors of these efforts.

Given the interface between faculty expertise and interests and the unique health care needs of specific patient populations, this graduate program has developed a major research and educational focus on delivery of pharmaceutical health care to underserved populations, specifically elderly and rural citizens. However, this concentrated focus does not preclude faculty and students from pursuing other areas of research interest.

Research activities at the master's and doctoral levels encompassed by this mission have focused on a number of major categories of issues related to these populations, such as economic, management, marketing, clinical outcome, patient behavior, professional socialization and education, health policy development, and epidemiologic issues in pharmacy.

The graduate program in pharmacy administration is designed to equip students with the conceptual knowledge, technical and analytical skills, and problem-solving ability to enable them to assume positions of responsibility and leadership within the profession of pharmacy and the broader health care system. Specific goals include:

**GOAL 1:** To advance knowledge in the area of pharmaceutical health care.

**GOAL 2:** To develop expertise in the delivery of pharmaceutical care to underserved groups.

**GOAL 3:** To develop a supportive environment for graduate education.

**GOAL 4:** To interface with clinical and pharmaceutical sciences faculty to develop common areas of research interests.

Students enrolled in the pharmacy administration emphasis area of the graduate program are:

**M.S. Students**
- Evo Anthony Alemao, B.S.
- Vijay Joish, B.S.
- Kalind Pradhan, B.S.
- Kenna Wheeler, B.S.

**Ph.D. Students**
- Donelle Airmet, Pharm.D., M.S.
- James Frost, M.B.A
- Margorie Hill, M.S.
- Bala Nadesan, M.B.A., M.S.
- Shubada Patil, M.S.
Pharmaceutical Sciences

The Department of Pharmaceutical Sciences has 13 full-time faculty who generate research support from diverse sources such as ISU research committees, state of Idaho, National Science Foundation, American Heart Foundation, National Institutes of Health, Department of Energy, and private industry. Drs. Eric Jarvi and Cindy Wilson coordinated the pharmaceutical sciences emphasis area for the 1997-98 academic year. Affiliate faculty are located at the Boise Veterans Affairs Medical Center. The department occupies research space on the second and third floors of Leonard Hall.

Candidates enrolling in the master of science and doctorate programs must meet all requirements for admission to the ISU Graduate School and have an adequate background in the biological and physical sciences. Minimum admission course work requirements include two semesters of biological sciences and basic chemistry, calculus through integral calculus, and two semesters of organic chemistry with laboratory. Those promising students admitted without an adequate course background will be expected to make up deficiencies in addition to course work required for their graduate program.

The graduate program in pharmaceutical sciences is designed to meet three primary goals:

GOAL 1: To efficiently retrieve and critically evaluate scientific information.

GOAL 2: To effectively communicate information through both scientific writing and oral presentations.

GOAL 3: To develop expertise in the discovery of new knowledge using the scientific method and the modern methods of laboratory science.

Modern research instrumentation available includes HPLC, GC-MS, FTIR, UV-VIS, and fluorescence spectrophotometry, ultracentrifugation, and molecular modeling capabilities on an IBM RS-6000 workstation. The department and university facilities also include complete capabilities for light, fluorescence and electron microscopy with image analysis, the Molecular Research Core Facility (MRCF) located in the Department of Biological Sciences, NMR in the Department of Chemistry, and two cell culture facilities located in the College of Pharmacy.

Research activities at both the master's and doctoral levels have focused on a number of major areas including: development of new delivery systems based upon liposomal pharmaceutics, cancer biology, regulation of cardiovascular and respiratory function, biochemical pharmacology and toxicology, immunology, signal transduction, new drug design and synthesis, biopharmaceutical analysis, molecular biology and infectious diseases.

In the 1997-98 academic year, the students enrolled in the pharmaceutical sciences emphasis areas of the graduate program included:

M.S. Students
Narjes Sahlolbe, B.S.
Susan C. Williamson, B.S.
Qi Zhao, M.D.

Ph.D. Students
Lanning R. Baker, B.S.
Lunawati Bennett, M.S.
Charles Buerstatte, B.S.
Renee Bunde, M.S.
Cassandra Luce, B.S.
Souping Zhai, M.D.

During this academic year, Souping Zhai successfully defended his Ph.D. dissertation and Susan Williamson and Qi Zhao successfully defended their master's theses.
The College of Pharmacy continued an active role in providing continuing education (CE) to pharmacists in the state of Idaho.

As the complexity of providing pharmaceutical care has become more challenging, practicing pharmacists desire our faculty’s expertise to update their skills and continue to develop their own level of competency. As such, the college has continued to offer the following quality programs.

**Live CE Programming**

From July 1, 1997, to June 30, 1998, the college provided and/or sponsored 15 programs for pharmacists in Idaho and other areas. Live programming topics included disease-state management, pharmacotherapy, pharmacy practice legal issues, and drug diversion and were offered throughout the country, including California, Georgia, Idaho, New York, Ohio, and Texas. Nine hundred forty-eight pharmacists attended these programs, earning 10,945 hours of CE.

**Home Correspondence Courses**

The college is committed to providing CE to pharmacists statewide. While a large portion of the Idaho population is located in the Boise area, the college recognizes the need to extend opportunities for pharmacists in rural areas to obtain CE credit. Over the past year, the college offered 12 Pharmat courses. Pharmat allows practitioners to increase their knowledge through home, self-paced study. Each program is developed by college faculty members nationwide and meets ACPE standards for content and quality. The following topics were offered: BH/ prostatitis, myocardial infarction, tobacco cessation, Alzheimer’s disease, hormone replacement, diabetes, chemotherapy, vitamin therapy, multiple sclerosis, diet disorders, AIDS update, pharmacoeconomics, peptic ulcer disease, seizure disorders, pain management, and a host of others.

Thirty-four pharmacists completed home correspondence programs and received 522 hours of CE credit.

**Nontraditional Program CE**

Additionally, the college offered CE to non-traditional Pharm.D. students. Each course, developed by ISU faculty, uses video tapes, textbooks, and workbooks to provide a comprehensive study of each area. Pharmacists from across the nation received credit after successfully completing any of the following courses and clerkships.

- **Courses:** Clinical Chemistry, Clinical Pharmacokinetics, Clinical Research Design and Analysis, Drug Information, Human Pathophysiology, Immunology, Pathogenic Microbiology, Pathophysiology and Therapeutics I and Therapeutics II, Pathophysiology, Physical Assessment, Quality Assurance, and Cost Containment
- **Clerkships:** ambulatory care, medicine clerkship, and pharmaceutical care.

One hundred thirty-three pharmacists completed these programs during 1997-98 receiving 5,100 hours of CE credit.

**Summary Comparison**

Our CE program continued to grow. Over the past year, the program experienced a 14% increase (10,945 vs. 9,569 in 1996-97) in live program credit hours and a 64% increase (522 vs. 336 in 1996-97) in home correspondence credit hours. Overall, one thousand one hundred and fifteen (1,115) pharmacists completed live, home correspondence, or nontraditional CE programs totaling sixteen thousand five hundred sixty-seven (16,567) hours of CE. This represents an 11% increase (14,945 in 1996-97) for the entire program.


The CE program and the college thank these organizations for their support.
Idaho Drug Information Service

Jan Beckwith, Pharm.D.
Assistant Professor College of Pharmacy / Director, ID-DIS

The Idaho Drug Information Service (ID-DIS) has two major functions. The ID-DIS provides patient-related drug information to health professionals throughout Idaho, and secondly provides drug information instruction and training to ISU College of Pharmacy students. During 1997-98, the service responded to an average of seven information requests per working day.

The ID-DIS is located in the Eli Oboler Library, adjacent to the Idaho Health Sciences Library (IHSL), and has access to all library holdings as well as maintaining a small library of its own. The monograph and journal holdings of the ID-DIS are chosen to supplement the holdings of the IHSL. In 1997-98, ID-DIS maintained 27 current journal titles through either subscription or donation. All titles in the holdings were cataloged and integrated with the IHSL listings. ID-DIS participates in the nationwide DOCLINE inter-library loan service, both for obtaining articles and for providing articles to other libraries.

Additionally, six monographs or monograph renewals were purchased to update ID-DIS holdings. The ID-DIS maintains up-to-date electronic information through the purchase of Micromedex and International Pharmaceutical Abstracts and by utilizing other databases available through Oboler Library or on the Internet. The ID-DIS is continuing to build extensive natural products / complementary medicine resource holdings, and the director has given several presentations throughout the U.S. and Canada on these topics.

The ID-DIS lab maintains four student computers with access to the Oboler Library and university databases and one with connectivity to the Internet through the College of Pharmacy network server. Also, the ID-DIS maintains a database of all requests received.

All first-year professional pharmacy students attended 15 hours of drug information lectures, taught by the director, in the fall and spent 40 hours in laboratory sessions, also taught by the director, at the Drug Information Center. The sessions were conducted every afternoon throughout the academic year. Approximately eight fourth-year students also completed six weeks of elective clerkship in the ID-DIS.

The director of the drug information service co-hosts a local weekly, one-half hour live, call-in radio show with a local physician. Clerkship students participated in at least one show per rotation.

Staffing for drug information during the school year consists of one full-time director and a number of graduate assistants providing 16 to 20 hours support per week. During the summer, the director is assisted by one student twenty hours per week.
Introduction

The Omnibus Budget Reconciliation Act of 1990 (OBRA 90) requires that each state establish a drug utilization review (DUR) program for Medicaid outpatients. As a result of this federal mandate, the Idaho Department of Health and Welfare created the Idaho DUR. This program is intended to help enhance the quality of care for outpatients receiving prescription medications by assuring appropriate drug therapy. Currently the College of Pharmacy is the department’s agent for implementation of the OBRA 90 requirements regarding retrospective DUR.

Retrospective DUR includes periodic examination of drug claims data and other records to identify prescribing and dispensing patterns. The screening includes comparing patient medication information against drug use criteria.

Over the past five years, the DUR staff has created explicit drug use criteria covering 20 drug classes and approximately 200 of the most commonly prescribed drug products. These criteria represent standards or guidelines for appropriate drug use as well as identifiable circumstances in which specific drug therapy entails a high risk for adverse effects. Employing the expertise of individual faculty members within the college, criteria were formulated using standard drug compendia and an extensive review of the clinical literature. Approximately 100 drug-specific criteria have been designated as potentially high-cost or high-risk drug use situations in which communication with physicians and pharmacists is deemed necessary to alert them of potential problems.

The following problem types are screened: age-drug contraindication, appropriate use of generics, drug-disease contraindications, drug-drug interactions, incorrect drug dosage, incorrect duration of drug treatment, over and under utilization, and therapeutic duplication.

The DUR Board

The Medicaid-appointed DUR Board is the decision-making body responsible for implementing and operationalizing the DUR program. Comprising three practicing physicians, three practicing pharmacists, and one nonpracticing physician; the board is responsible for evaluating practitioner prescribing and dispensing behavior and determining appropriate educational or corrective interventions. Information regarding each case is reviewed by the DUR staff and presented with recommended actions to the board for approval or modification. The DUR staff is responsible for implementation of all board actions.

ISU members of the 1997-98 DUR staff included: Vaughn Culbertson, Pharm.D., project director; Paul Cady, Ph.D., data management; Rex Force, Pharm.D., research director; Craig Kelley, B.S., computing; Wendy Force, R.Ph., clinical specialist; Amber Bell, Pharm.D., resident; Cara Liday, Pharm.D., fellow. Additionally, Dean Barbara G. Wells served at the board level as secretary.

The board’s primary emphasis is educational, providing information concerning drug therapy to practitioners via profile review, educational leaflets, and direct provider contact.

Provider Education

The board, with recommendations from the DUR staff, approve all intervention strategies deemed necessary to improve the quality of care being rendered to Idaho Medicaid clients. Remedial strategies can include, but are not limited to:

- written personal communications from the board to providers requesting information and documentation of specific drug use decisions,
- educational leaflets summarizing the mechanism, presentation and possible alternatives for a large number of common drug-related problems,
- cost graphics that summarize the relative cost implications and emphasize cost-effective alternatives,
• specifically designed and presented continuing education programs targeted for providers at professional meetings, and

• direct, personal contact with individual providers deemed to be repeat or long-term irrational prescribers or dispensers. Contact may take place with members of the board, qualified staff approved by the board, or clinical consultants.

Retrospective Interventions

The DUR staff has been actively involved in developing and performing interventions that improve the prescribing and dispensing habits of Medicaid providers. In addition to improved patient care, many interventions also result in a cost savings to the Department of Health and Welfare for prescribed medication. During Fiscal Year 1997-98, nine interventions were performed that covered the therapeutic categories of age-drug contraindication, appropriate use of generics, drug/disease contraindication, drug/drug interaction, incorrect duration, over utilization, screen/intervention, therapeutic duplication, and under utilization.

Additionally, the DUR database is frequently used to identify situations of medication overuse or abuse by recipients or high-risk drug therapy resulting from multiple providers. In the latter circumstance, the DUR review program provides extremely valuable information to physicians and pharmacists who may be unaware of each other’s contribution to the recipient’s medical care.

Educational Resource

The DUR program has proved to be an extremely valuable resource to the students and faculty at ISU as well as to other state agencies. The Colleges of Pharmacy and Business have both used the DUR project as an educational and teaching resource.

Professional and graduate students in the college have actively participated in development of clinical criteria (practice standards) and data collection and analysis. This experience aids students in understanding the difficulties of working with complex databases, as well as the strengths and weaknesses of DUR. This experience is an important component of a well-rounded education and is possible only because the data is available on campus.

The College of Business also uses the DUR database to teach part of its medical-informatics program, providing students with a background in hospital, community, and other medical information systems. Through the DUR project, both undergraduate and graduate students have been provided the ability to address real life problems by designing computer software and applications for use by health care practitioners and the community.

Professional and Scientific Activities

During the 1997-98 reporting period, the DUR staff presented four posters at national meetings and submitted one paper for publication.


The Institute for the Advancement of Pharmaceutical Care (IAPC) was officially established by ISU’s College of Pharmacy in October 1995.

Its mission is to promote the advancement of the profession of pharmacy towards the patient-centered philosophy of pharmacy practice, known as “pharmaceutical care.” This mission is being carried out through education, research, and service.

The IAPC fosters cooperation and understanding between pharmacists and the organizations created to serve and regulate them (including the ISU College of Pharmacy, Idaho State Board of Pharmacy, and the various regional, state, and national pharmacy associations). The IAPC also disseminates information to the general public to promote awareness of the contributions that pharmacists can provide to patient care.

**IAPC Personnel**

- **Director**: Rodney A. Larson, Ph.D.
- **Faculty**: Barbara A. Adamcik, Ph.D.; Paul S. Cady, Ph.D.; Vaughn L. Culbertson, Pharm.D.; John Erramoupe, Pharm.D.; Eric Jarvi, Pharm.D.; Joerg Senekowitsch, Ph.D.; Barbara G. Wells, Pharm.D.
- **Technical Support Manager**: Craig Kelley
- **Secretary**: Barbara Arms

**Activities**

It has been an active year for the IAPC faculty and staff. The primary focus of the IAPC has been developing, demonstrating, and obtaining funding for the WebStudies program. This program is an Internet-based, case-based, computer instructional program that provides an interactive tool for educators and researchers who wish to teach and assess problem-based learning in the health professions.

**Presentations**

Demonstrations of WebStudies were made throughout the country this past year. The first demonstration was conducted at the annual American Association of Colleges of Pharmacy meeting. Other demonstrations were made at the University of Washington, Washington State University, University of Minnesota, Drake University, University of Pittsburgh, and West Virginia University. The University of Washington and University of Rhode Island Colleges of Pharmacy have been using the WebStudies program on a regular basis. As the program’s potential is fully realized, it is anticipated that many more institutions will adopt WebStudies into their curriculum in the near future.

Also during the year, WebStudies demonstrations were made to representatives of the Bayer, Albertsons, and SmithKline Beecham corporations as they visited the college. Additionally, WebStudies presentations to alumni, industry representatives, and the public are planned in conjunction with the pharmacy building addition dedication in the fall 1998.

**Funding**

In October, 1997, the Institute received a generous donation of $20,000 from the Bayer Corporation. The funds were provided to help support the development of the WebStudies program.

Several IAPC faculty were also successful in their efforts to secure funding from the ISU Technology Oversight Council. A grant was submitted in November of 1997, and $7000 was awarded in February of 1998. The funds were used to purchase a much needed computer server for the Internet delivery of the program and a laptop computer for off-site presentations.

In January, 1998, the IAPC director submitted a $262,835 grant to the Procter and Gamble Company requesting three years of funding to upgrade the existing WebStudies program and to create a pharmacoeconomic module addition to the program.

Next year, the IAPC plans to continue pursuing support for the WebStudies program in addition to pursuing educational and service activities within the local and state communities in fulfillment of the Institute’s mission.
Alumni & Development

- A Year of Growth

It gives me great pleasure to thank those who contributed financially to the college during Fiscal Year '98 (July 1, 1997, through June 30, 1998).

This past year was one of growth at the college resulting in large measure from the continued generosity of our alumni and friends.

The college received over $184,000 in financial contributions during Fiscal Year '98, an increase of more than $73,000 over the previous fiscal year. Of that total, $82,000 in scholarships were endowed through the generous contributions of the Sly, Dixon, Kingsbury, and Wells families.

The college’s major fund raiser continues to be the phonathon. The 1998 phonathon resulted in more than $37,445 in pledged financial contributions, a 25 percent increase in support, much of which was received prior to July 1.

This year was also one of formal appreciation. This summer we thanked the Idaho State Pharmacy Association for their continued support through a reception held during their annual summer meeting. A reception was also planned for the Idaho Society of Health-system Pharmacists and for our Nevada and southern Utah alumni in the fall. To top it off, our building dedication was planned in conjunction with an all pharmacy alumni reunion during Homecoming ‘98.

While our state funding provides an operational foundation, it is critical that these funds be supplemented through contributions if the many vital academic programs the college provides are to be enriched and kept progressive.

My deepest appreciation on behalf of the college for your loyal interest and support.

- Dean Barbara G. Wells

Pharmacy Endowment

(Market Balance as of June 1998)

<table>
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<tr>
<th>Name</th>
<th>Amount</th>
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<tr>
<td>John &amp; Ester Wallace Endowment</td>
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<td>General Endowment</td>
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<td>Sidney L. &amp; Hetty H. Sly Endowment</td>
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<td>Grey Charitable Endowment</td>
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<td>Judith Bernat Endowment</td>
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<td>EIRMC Aux. Endowment</td>
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<td>Lucille H. Kingsbury Memorial Endowment</td>
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<tr>
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<tr>
<td>Richard &amp; Barbara Wells Endowment</td>
<td>11,209.41</td>
</tr>
<tr>
<td>Jeanette Low Memorial Endowment</td>
<td>5,820.30</td>
</tr>
</tbody>
</table>

Total                                      | 5,847,662.85 |

The college received an increase of $73,000 in financial contributions over the previous fiscal year.
1997-98 Honor Roll

The College of Pharmacy extends its greatest appreciation to the many alumni and friends that have contributed financially to the college. These donations directly support student needs, scholarships, computer and laboratory equipment, the Greatest Need Fund, and many other programs. The following gifts to the College of Pharmacy were received by the ISU Foundation (keeper of the official giving records) between July 1, 1997, and June 30, 1998*. Giving societies were based only on contributions to pharmacy. Every effort is made to ensure accuracy, but errors or omissions may have occurred. Please bring any such errors to the attention of the COP Alumni Affairs and Program Development Office at 208-236-3393.

*Some June gifts were officially recorded in July. These gifts will be reported during the next fiscal year.

Alumni & Friends

Topaz Society $50,000 - 99,999
Sidney Sly

Garnet Society $10,000 - 24,999
Neal & Dorothy Broyles
Roy & Linda Sumida

Jade Society $5,000 - 9,999
Dorothy Dixon
Marilyn Dixon
Barbara & Richard Wells

Quartz Society $1,000 - 4,999
Shahriar Afsar
Russell & Diane Goto
Michael Iglinski
Donald Leonard
Yolande Orr

Circle of 500 $500 - 999
Raedell Ashley
John Lee
Ara Paul

Silver Society $250 - 499
David Arnold
Bruce Christensen
Christopher & Alice Stover Daniels
William Dugoni
Robert & Christine Fischer
Kozue Fujimoto
Craig & Janet Haslam
Garth & Dianne Holmes
Eric & Jane Jarvi
Wang Kan
David & Claudia Nelson
Gary Taucher
Nicholas & Sophia Tsai
Lawrence & Debra Updyke
Tim Westby
Genson Wong

Portneuf Society $100 - 249
Angela Aldrich
John Anderson

Investors $1 - 99
Abbas Abbaspour
Bernhard Achter
Paul Adam
Paul Allen
Verlin Allen
Victor Allen
Ronald Alm
Dean Andersen
Barbara Anderson
David & Dawn Anderson
James Anderson
Ray Anderson
Elvin Andrade
Lynn & Barbara Archibald
Stanley Arnell
Robert Ashley
Vicki Baer
Boyd Baker
Kendall Ballard
Ralph Ballard

Kuan Chang
Randal Chow
Catherine Cochran
Brent Cornell
Wayne Crosby
Robert Deklotz
Joe Della Zoppa
Linda & Dale Derdbee
Dana Diedrich
Richard & Diana Driskell
William & Karin Eames
Barry Feely
David Fong
Rey & Barbara Ganir
Paddy Garver
Lorri & Tori Geho-Shaver
Gary Gehring
Marcus Gibbs
Verlin Gingerich
Robert & Jan Goettsch
Steven Hadlock
Brett Haney
Russell Hansen
Roger Hefflinger
Ira & Norma Hillyard
Samuel & Kari Hoagland
Jack Holland
Eddie Howard
James Hunter
Lonnie Kelly
Ned Kikuchi
Robin Kinsey
Shawna & Gregory Kittridge

Jack Kulm
James Lauletta
Clarene Law
Billy Lee
Dean Lee
Gary & Kathleen Meadows
Val & Jean Middleton
Joanne & Steven Milot
Amy Morgan
Michael Narine
William Nash
Loan Nguyen
Richard Nicholas
Richard C. Nixon
Felix Nordyke
Gilbert Oswald
Robert Patterson
Joan Pennock
David & Darlene Price
Gary Pullen
Kent Quickstad
Anna Ratka
Sherman Rignby
Al Runge
Joe Scarcelto
George & Helen Sedlmayer
Preston & Katherine Seely
Archie & Wilma Shum
Robert Siemer
Kathie Smith
Ralph Smith
James Spafford
Mary Ann & Joseph Stoll
Timothy Stratton
Gordon Strazzo
Clarence Tanaka
Gary Thomas
John & Karen Tilley
Robert & Lynn Tyler
Connie & George Vlamis
Cindy & Duwayne Walker
Kay Walters
Darwin Waters
Ralph Wheeler
Nancy White
Colleen Wilson
Adrian Wong
Sidney Wong
Lap Yu

College of Pharmacy

William & Carol Barr
Debra Barton
Jack Beall
Douglas Beckstead
Amber Bell
David Bendahan
Charles Berry
David Bestenlehner
Gregory Betts
Abraham Bidaki
Tracy Bideganeta
Michael Bladsoe
Dale Bliss
Steven Borden
Albert Bouvier
Roger & Patricia Bovey
Firth Bowden
Susan & John Brennecke
Michael & Marjorie Bringham
Chad & Lisa Brown
James Brown
Mary Brubaker
Michael & Kaydeen Burkett
Les Burnam
Dean Bush
Bill Butcher
James Byron
David Calley
Donald Cameron
Kelly & Sandra Carpenter
Duane & Betty Carter
John & Dawn Castaldo
Darrell Cavalar
Foster Chandler
Dick Chang
John Chelenes
Michael Cheslock
Jeannie Chew
Siri Childs
Carl & Laura Ching
Nico Chopski
John & Connie Christofferson
Tim Clezie
Lynn Coltrin
Vincent Colucci
Dwight Comstock
Susan Connelly
Richard Connors
Richard Cotant
Lynn & Alta Crawford
Julie Cristobel
Vaughn & Sandy Culbertson
James Culley
Victor Curtis
Marvin & Jill Damschen
John Dangerfield
Vernon & Lea Davidson
Bryan Davis
Gary & Barbara Dawson
Rosabeth Delapp
Dave Della Zoppa
David & Linda Dennis
Eve Denny
Thomas Deppe
David Dokimos
Ernest Dokimos
Lawrence Dollar
Irving Dong
Cindy Duncan
Anita & Roy Dunker
Leslie Dunkley
Wendell & Alice Dunn
Annual Report 1997-98

Corporate & Foundation Friends

Garnet Society $10,000 - 24,999
Estate of Lucille H. Kingsbury

Jade Society $5,000 - 9,999
Bristol-Myers Squibb Co. EIRMC Auxiliary, Inc. Rite Aid

Quartz Society $1,000 - 4,999

Circle of 500 $500 - 999
Eames Family Trust Idaho State Pharmacy Association Merck & Company, Inc. NACDS Education Foundation Schering Corporation Village Pharmacy

Silver Society $250 - 499
Eli Lilly & Company Foundation Varsity Contractors, Inc.

Portneuf Society $100 - 249

Investors $1 - 99
Adobe Drug AMI Chevron Matching Grants Program Hoechst Marion Roussel Lockheed Martin Corporation Mountain Tile Distributors

Thanks to all for your generous & loyal support!
The Class of 1998

The College of Pharmacy graduated the following students during academic year 1997-98. The class of 1998 includes graduates from summer 1997, winter 1997, and spring 1998. Welcome, with us, these new graduates to the pharmacy profession.

Doctor of Pharmacy

**Traditional Pathway**
- Marcela M. Aguilar**
- Mark A. Alderink
- Gregory C. Amberg**
- Rebecca A. Arbogast
- David G. Barber
- Tawndi L. Berget
- Brad L. Berry
- Paul A. Black
- Phuong-Thi Dang
- Senussi S. Eltrapolsi
- Kim L. Frey
- Dylan A. Gardner
- Rebecca Goy
- Carrie A. Grover
- Kristen Hall-Stucki
- Lisa Hansen
- Jeffrey L. Hardin
- Melanie Hirschi
- Suzanne J. Hopkins
- Michael D. Houle
- Naomi A. House
- Joseph R. Ineck
- Mireille A. Jones
- Angela K. Karr
- Jimmy R. Kuykendall*
- Kimberly E. Latham
- Chuck D. Lawless
- Victoria L. Leach
- Tan N. Luong
- Stephanie B. Magdanz
- Linda M. Mainvil
- Elizabeth L. Martindale
- Karen J. McAllen
- Eric Mellin
- Robert N. Miller*
- Kellye MacKie Munson
- Jacqueline Mwanthi-Kavila
- Sally Myler
- Cody D. Nowatzki
- Michele M. Patton
- Tracy M. Peck
- Stacey A. Petersen
- Clinton D. Rohner
- Shannon Rupard
- Darrin D. Searle
- Rebecca J. Smith
- Brian S. Stewart
- Christy L. Waggoner*
- April N. Wilson

**Nontraditional Pathway**
- August 1997
  - Starla M. Blank*
  - Michael B. Cockerham
  - R. Patrick Fox
  - Joseph J. Kutsop
  - Mark Middlebrooks
  - Dawn C. Peragallo*
  - Mary-Elizabeth Stanton
- December 1997
  - John M. Cannon
  - Paul F. Cerza
  - Michael Hankinson
  - Mark W. Heelon
  - Jill A. Hope*
  - Sonja A. Nisson
  - Shahin M. Shirangi
  - Sui-Fong Wexler
- May 1998
  - Juliana Oduguwa*
  - Andrea Z. Powers
  - Geoffrey C. Wall**

Master of Science

- May 1998
  - Susan C. Williamson
- August 1998
  - Kalind Pradhan

Doctor of Philosophy

- December 1997
  - Suoping Zhai

** Graduating with High Honors
* Graduating with Honors
College Recognizes 1998 Graduates

The ISU College of Pharmacy graduated 70 Pharm.D. students and honored the following graduates for excellence at an end of the year banquet.

Marcela Aguilar, Twin Falls, ID, was recognized with the Lilly Award in recognition of academic achievement, leadership, and professional development.

Greg Amberg, Highland, CA, received the Dean’s Award in recognition of superior academic excellence. This award is given to the student with the highest grade point average in the college.

Dylan Gardner, Pocatello, ID, was presented with the Roche Pharmacy Communications Award in recognition of effective pharmacist/patient communications.

Suzanne Hopkins, Pocatello, ID, was awarded the Perrigo Award of Excellence in Nonprescription Medication Studies in recognition of excellence in professional services in regard to nonprescription medications.

Naomi House, Pocatello, ID, was recognized with the Facts and Comparison’s Award of Excellence in Clinical Communication in recognition of high academic achievement and outstanding clinical communication skills.

Mireille Jones, Pocatello, ID, received the Merck Award, which is presented in recognition of scholastic achievement and development in basic pharmaceutical sciences.

Jim Kuykendall, Newark, DE, was recognized with the TEVA Pharmaceuticals Outstanding Student Award in recognition of excellence in the study of pharmacy.

Linda Mainvil, Weiser, ID, was awarded the SmithKline Beecham Patient Care Award in recognition of superior professional achievement in clinical pharmacy practice and service, especially with regard to patient relations.

Liz Martindale, Pocatello, ID, was recognized with the Idaho Society of Health-system Pharmacists Award in appreciation and recognition of meritorious service and leadership. Martindale also received the Pfizer Community Pharmacy Internship Award, which is presented in recognition of excellence in the area of community pharmacy internship.

Robert Miller, Rexburg, ID, received the Idaho State Pharmacy Association Award, which is given to an Idaho resident in recognition of superior scholastic achievement and professional development. Local pharmacist Ed Snell presented the award on behalf of the organization.

Clint Rohner, Pocatello, ID, was awarded the American Pharmaceutical Association (APhA) and Academy of Students of Pharmacy (ASP) Senior Recognition Certificate. This certificate is presented to a graduating member for making the greatest contribution to the APhA-ASP chapter at ISU during the past year. Rohner also received the APhA-ASP Mortar and Pestle Professionalism Award, which is sponsored by McNeil Consumer Products Company. This award recognizes exceptional professionalism and excellence in patient care in all aspects of a student’s academic pharmacy career and demonstrated commitment to the profession of pharmacy through involvement in professional organizations and other extracurricular learning opportunities.

Kristen Hall-Stucki, McCammon, ID, received the Mylan Pharmaceuticals Excellence in Pharmacy Award in recognition of demonstrating superior proficiency in the provision of drug information services.
Neil Griggs, ’70 and fellow ISU alumnus Terry Bartschi, ’72, own the Teton Clinical Pharmacy in Idaho Falls.

Neil Griggs was one of eight ISU alumni representing seven colleges and schools who was honored at ISU commencement exercises with a professional achievement award.

Griggs is a 1970 graduate and was employed by the Columbia Eastern Idaho Regional Medical Center in Idaho Falls, ID, in 1970 and has been the hospital’s director of pharmacy from 1973 until 1998.

Currently he co-owns, with fellow ISU alumnus Terry Bartschi, ’72, the Teton Clinical Pharmacy (TCP) in Idaho Falls. TCP started in 1982 with two pediatric patients in a $170 per month room under a radio station. TCP employs, at last count, 11 health professionals, including pharmacists, technicians, nurses, and physical therapists. TCP also provides home health and home infusion services and has a full-service pharmacy.

He has precepted for 25 years, and in 1990 he was selected as the College of Pharmacy Preceptor of the Year by the students who gain practical experience working under him. He is a nineteen-year member of the credit committee of the Professional and Medical Credit Union and is now the vice chairman of its board of directors. He is also a past winner of the Idaho Hospital Pharmacist of the Year Award.

Aguilar wins Achievement Award

Marcela Aguilar, Twin Falls, ID, received a 1998 Outstanding Student Achievement Award. Criteria for selection include a minimum 3.3 GPA, above-average dedication to academic and professional goals including clerkships, special projects and papers, and involvement in professional societies.

She has been on clerkship primarily in the Boise, ID, area at St. Luke’s Hospital, Terry Reilly Health Services, and the Boise VA Hospital. She completed rotations at the Magic Valley Regional Medical Center, Twin Falls, ID, with Dr. Dennis Sawyer, ISU College of Pharmacy affiliate faculty, Southern Idaho Medical Group.

Aguilar is a member of Phi Lambda Sigma, has served as vice president of Rho Chi honor society and the Hispanic Awareness Leadership Organization, and was active in the ISU Ambassadors program.

As Outstanding Student, Aguilar honored Dr. Anna Ratka by naming her Most Influential Professor for 1998. Each year the Outstanding Student names their most influential professor throughout their educational career. This is the second time Dr. Ratka has been so honored.

Aguilar will undertake a residency at the University of Washington Medical Center, Seattle, WA. She will be gaining experience in treating diverse conditions such as those found in transplant and HIV patients to broaden her pharmacy experience.
Coonce: 1998 Preceptor of the Year

Shannon Coonce, Pharm.D., BCPS, BCNSP, was selected as the 1998 Preceptor of the Year. Coonce provides a pediatric pharmaceutical clerkship for ISU pharmacy students at the University Medical Center, Las Vegas, NV.

Students nominating Coonce wrote, “Her pediatric clerkship was my most challenging and by far most rewarding rotation. She is an example of what pharmaceutical care should be gearing towards, and I have truly valued my time spent with her.”

Coonce received her Pharm.D. from the University of Arizona and completed a general clinical residency at the University of Illinois, Chicago, prior to joining the medical center as a pediatric clinical pharmacist.

In addition to precepting, Coonce conducts a residency forum each year to teach students the benefits and logistics involved in undertaking a residency. She also spearheaded the center’s investigational use of nitric oxide in the neonatal care unit to treat pulmonary hypertension and completed all the FDA-required protocols and guidelines necessary to implement this lifesaving procedure. Coonce has also established herself within the local community as a resource for women’s health issues.

Coonce has worked with ISU’s pharmacy students for six years. “They come here with an appreciation of the importance of treating the entire patient as compared to treating just one aspect of their disease state,” she commented.

Lai: 1998 Master Teacher

Dr. James C.K. Lai, pharmacology, was one of five ISU professors recognized by the university as a 1998 Master Teacher.

Master Teachers are chosen solely on the basis of their teaching expertise and are nominated for this honor by students, alumni, and colleagues. This is the oldest of the outstanding faculty awards given at ISU. Lai has also distinguished himself internationally as a researcher.

A student nominator of Lai for the Master Teacher Award wrote, “Dr. Lai’s teaching style can be summarized in one word - dynamic. He approaches each lecture with unmatched enthusiasm. He is able to explain difficult topics and motivate students to learn the concepts. His energy and openness encourage classroom participation and discussion.”

Lai’s colleague nominator based his nomination on Lai’s “excellence in his approaches and practices in teaching pharmacy and graduate students and for his innovations in teaching methodology and scholarship.”

Lai came to ISU in 1991 from Cornell University Medical College’s biochemistry faculty. He was one of a few faculty members who applied the innovative case study approach to teaching biochemistry, an approach he has transferred to his teaching at ISU.
Faculty Honors

Teachers of the Year

Four faculty in the ISU College of Pharmacy were honored as 1997-98 Teachers of the Year during spring commencement.

Christopher Daniels, Ph.D., Ike Isaacson, Ph.D., Cathy Heyneman, Pharm.D., and Roger Hefflinger, Pharm.D., received awards at the college’s graduation honor banquet.

The four recipients were selected by pharmacy students for their outstanding abilities to teach relevant and new material, motivate students to learn, maintain a high level of knowledge in their field, and share their enthusiasm for the field of pharmacy. Each class in the four-year Pharm.D. program selected a Teacher of the Year.

Dr. Christopher Daniels is an associate professor and chair of the Department of Pharmaceutical Sciences. He was selected by first-year pharmacy students and was named a Teacher of the Year in 1996.

Students nominating Daniels wrote, “He provided us a lot of motivation; he has a great passion for his subject and is enthusiastic with his students, helping them with just about anything. He made pharmacy exciting and challenging.”

Daniels earned his B.S. in chemistry from Humboldt State University and an M.S. in chemistry from the University of Wisconsin. He holds a doctorate in pharmacology from Stanford University. Prior to coming to ISU, Daniels held numerous research-related positions including research assistant professor and investigator in the Liver Center and Intestinal Immunology Research Center at the University of California, San Francisco. He joined ISU in 1988 as an associate professor of pharmaceutical sciences and chief of the Immunopharmacology Research Laboratory at the Veterans Administration Medical Center in Boise, ID. In 1990, he was awarded status as an ISU Outstanding Researcher.

Eugene "Ike" Isaacson, Ph.D., was selected by the second-year pharmacy students. This is the second time he has been recognized, with his first award in 1993. Isaacson, professor of pharmaceutical sciences, has been with ISU since 1969, teaching medicinal chemistry for the college.

Isaacson’s nominators overwhelmingly spoke to his genuine concern toward his students, his current knowledge in the field, his experience-based application of classroom topics, and his overall presentation style. One student summed it up by saying, “He treats his students as future colleagues.”

Isaacson received a B.S. in pharmacy and a Ph.D. in pharmaceutical chemistry from the University of Minnesota in 1956 and 1963 respectively. Throughout his academic career, Isaacson published invited book chapters in the *Textbook of Medicinal and Pharmaceutical Chemistry*. He co-investigates the design and synthesis of new CCK-A antagonists, which are tested in the pharmacological activity assay program at the National Institutes of Health. He retired this spring with professor emeritus status after having served the college for 29 years.

Dr. Cathy Heyneman, an assistant professor of pharmacy practice and administrative sciences was selected as Teacher of the Year by third-year pharmacy students. Heyneman teaches pharmaceutical care and case studies.

Students nominating Heyneman wrote, “Dr. Heyneman always presents useful and relevant material, she is always eager to share her knowledge, and she cares for her students.”

Heyneman received a bachelor of arts in biology from the University of California, San Diego, in 1980. She received her M.S. in biochemistry from West Virginia University in 1984 and her Pharm.D. from ISU with high honors in 1993. She served as a community pharmacist for Albertson’s in Pocatello, ID, and also fulfilled a geriatric residency at the Idaho State Veterans Home in Pocatello before joining ISU as a faculty member in 1994.

Dr. Roger Hefflinger, an assistant professor of pharmacy practice and administrative sciences, was honored by the fourth-year pharmacy students.

Hefflinger teaches a primary care clerkship that combines ambulatory clinic services for the Family Practice Medical Center (FPMC) and inpatient clinical pharmacy services for the FPMC residents in Saint Alphonse Hospital, Boise, ID. He was a past Teacher of the Year in 1992 and 1997.

His clerkship site works to integrate the pharmacy students into multi-disciplinary health care teams. Students completing clinical rotations with Hefflinger wrote, “Dr. Hefflinger’s concern for students’ professional and educational growth is unparalleled; his excitement towards the field motivates those who come into contact with him, and I feel privileged to have worked with such an outstanding individual.”

Hefflinger earned a doctor of pharmacy in 1986 from the University of Nebraska College of Pharmacy. He completed a clinical pharmacy residency with the University of Nebraska Medical Center in 1987 prior to joining ISU in the summer of 1987. Hefflinger is a clinical faculty member for Boise State University Department of Respiratory Therapy and an affiliate faculty member for the University of Washington. Hefflinger has pursued research funding in the areas of ambulatory clinical trials and in educational methodology for existing pharmacy practitioners.
Student Organizations

College of Pharmacy
Student Senate
Brook Gehring - President
Sabrina Castillo - Vice President
Marcy Anderson - Secretary/Treasurer
Frank Egbert - ASISU Senator
Virginia J. Galizia, Ph.D.
- Faculty Advisor

The governing body for the college’s student body, the Student Senate includes the president and vice-president of each professional class, a representative of both graduate programs, the president of each student organization within the College, and the ASISU pharmacy senator. The senate facilitates communication among the students, pharmacy organizations, dean, and faculty and coordinates activities of the student organizations.

During the fall semester, Student Senate members participated in university and community service projects. Some of these included designing and presenting an information booth at the ISU Health Fair, building a float for Homecoming ’97, and organizing and presenting a pharmaceutical care information booth at the ISHP Annual Meeting in Sun Valley, ID. In addition, several members individually participated in a variety of health-related fund raisers. Cassie Luce was the newest member of the senate, forming Animal Pharm - a group composed of graduate students and other students involved in research at the college.

During the spring semester, the senate amended sections of the Student Constitution. Many thanks to Frank Egbert, P-2, and Cassie Luce, Animal Pharm. In addition, the senate coordinated the Teacher of the Year nominations and hosted the end-of-the-year picnic that is held annually at Ross Park.

American Society of Health-System Pharmacists (ASHP)
Amber Winnett - President
Rex Force, Pharm.D. - Faculty Advisor

During the 1997-1998 school year, the ISU ASHP student chapter sent 14 members to the annual Idaho Society of Health-system Pharmacists (ISHP) meeting in Sun Valley. The overnight accommodations for this meeting were sponsored by the ISHP. In addition, two members attended the ASHP Annual Meeting in Atlanta, GA. In October 1997, ASHP/ISHP was represented at a community health fair held at Edahowe Elementary. Several ASHP members also volunteered their time for the ISU Community Health Fair. In February of 1998, ASHP sponsored a clinical skills workshop for pharmacy students. The workshop helped first year students prepare for case studies and the clinical skills competition. In March, ISHP sponsored Poison Prevention Week. Students from the college traveled to local schools to teach children about poisons. The children ranged in age from 2 to 8 years old. Various poison information handouts were distributed to every student in the local community in preschool through third grade. With the help of local sponsors and the college, approximately 5,000 children in Pocatello and nearly 2,000 residents in the Minidoka-Cassia area received poison information. The ASHP student chapter also established Asthma Awareness Week in April of 1998. Dr. Roger Hefflinger from Boise, ID, addressed pharmacy students, patient care givers, and the general public on how to better control asthma. In addition, ASHP delivered handouts to various pharmacies for distribution to asthma sufferers on...
how to use an inhaler correctly. Over 3,000 handouts were distributed. The chapter's annual book sale in April raised funds to help sponsor ASHP activities for next year.

Rho Chi
Jennifer Lindstrom - President
Paul Cady, Ph.D. - Faculty Advisor

Rho Chi is a national honorary society that recognizes academic excellence in pharmacy education. Students must maintain a GPA of 3.0 in all course work and be in the top 20 percent of their class to be considered for membership.

In the fall, the chapter sponsored one of the best beginning-of-the-school year picnics ever at Ross Park. The burgers were flying and fun was had by all. Spring initiation was held in April at the Harry Magnuson Alumni House. Ten new members were inducted into the honor society, including nine P2s and one graduate student.

Additionally, Rho Chi sponsored the second annual College Halloween Party, sponsored booths at Pharmacy Fair and the Community Health Fair held at ISU’s Pond Student Union, and cosponsored a booth at the Academy of Students of Pharmacy Midyear Regional Meeting, which was hosted by the ISU chapter this year in Pocatello.

The Academy of Students of Pharmacy (ASP)
Tracey Swenson - President
Rachel Crafts - Vice President
Jay Haener - Secretary
Sabrina Castillo - Treasurer
Eric J. Jarvi, Ph.D. - Faculty Advisor

The Academy of Students of Pharmacy (ASP) is affiliated with the American Pharmaceutical Association (APhA), and its membership constitutes the largest student pharmacy group in the world. The mission of APhA-ASP is to prepare pharmacy students to be professionals who provide and promote pharmaceutical care.

APhA-ASP is the U.S. representative to the International Pharmaceutical Students Federation (IPSF). In August 1997, the ISU chapter participated in this program for the first time. Gurdeep Kaur Lall, England; Amparo DeCastro, British Columbia; Thomas Deschenes, Quebec; and Nicola Fusch, Germany; traveled to Pocatello to participate in the college’s programs. Michael Vancheri organized this program and was also able to travel to Vienna, Austria, for his exchange.

The chapter sent Angie Meeker and Tracey Swenson to the APhA-ASP Bristol Myers-Squibb Summer Leadership Institute in Washington D.C. in July to sharpen their leadership skills and prepare them to lead pharmacy into the future.

During National Pharmacy Week, ASP ambitiously implemented Operation Immunization, an awareness campaign designed to increase the public’s knowledge of immunizations while increasing the number of adults receiving immunizations.

ASP sponsored the 1997 Pharmacy Fair where 19 companies came to campus to interview students and participate in the exhibit. Continuing education programs, Principles of Chronic Pain Management by Marcus C Ravenan, Pharm.D., and The Pharmacist as Medication-Counselor to Patients by John Theroff, MBA, were also offered. Walgreens sponsored the annual Dutch Oven Dinner, which drew nearly 100 students, faculty, and recruiters.

ISU hosted the ASP Midyear Regional Meeting in November, and Angie Meeker coordinated this event. Jeff Sullivan was elected Region VII delegate, which allowed him to attend meetings in Washington D.C. to discuss APhA-ASP policy.

The annual Spaghetti Feed and Auction was held in February 1998. This fundraiser was made possible by generous donations from the college’s faculty and staff. The proceeds helped send six ASP members to Miami, FL, in March for the annual meeting and exposition. Susan Wilson, the winner of the patient counseling competition, competed at this national meeting for the second year in a row.

The chapter held an end of the year BBQ to celebrate a successful year.

Animal Pharm
Cassandra Luce - President
Renee Bunde - Vice President
Chuck Buerstatte - Treasurer
Luna Bennett - Secretary
Kalind Pradhan - Interclub Council Representative
Eric Jarvi, Ph.D. - Faculty Advisor

The College of Pharmacy’s newest organization, Animal Pharm, was established in January of 1998 to provide a unified body for graduate students and other students involved in research at the college. The group was unanimously approved to be a chartered organization through the Associated Students of ISU (ASISU). The purposes of the organization are to increase communication among the graduate students and between the graduate students and faculty, to encourage professional activities (such as seminar attendance, grant writing, seminar presentations, enrollment in national organizations, literature reviews, etc.), and to provide support to graduate students (such as language development, career counseling, financial aid, dissertation writing, scholarship and fellowship information).

Membership is open to all graduate students in the college and all students interested or involved in graduate research in the college. The members spent the majority of the spring semester becoming organized. Meetings included faculty members presenting information such as, What to do if there is a chemical spill (Dr. Chris Daniels), Why come to ISU for graduate school? (Dr. Eric Jarvi and Dr. William Sharp), and How to write a curriculum vitae (Dr. Anna Ratka). We also were able to obtain funds from ASISU for a presentation scholarship and for a publications scholarship for two of our members next year.

Phi Delta Chi
Brook Gehring - President
Sara Isom - Vice President
Christopher K. Daniels, Ph.D.
Anna Ratka, Ph.D.
- Faculty Co-Advisors

Phi Delta Chi is the oldest of the College of Pharmacy student organizations,
having been established more than 60 years ago. As an organization, the group volunteers at the Pocatello Free Clinic, promotes professionalism, cosponsors the annual homecoming float, and has adopted a section of the interstate for cleanup near McCammon, ID.

In the last four years, the chapter has completed extensive remodeling on the Phi Delta Chi house. The work was coordinated and mostly performed by recent graduate Andrea Hoadley. The house was purchased by the Phi Delta Chi alumni in 1954. Several functions are held there throughout the school year including Halloween and Superbowl festivities. During the first week of classes, members cleaned up the yard, trimmed shrubs, weeded flower beds, washed windows, and stripped paint. The house now has three rooms that are rented to pharmacy students.

Before Christmas break, Phi Delta Chi held a white-elephant gift exchange. This year the members ended up with an array of gifts, from recent USPDIs to disposable razor blades. The party is just one of many traditions kept by the fraternity.

Phi Delta Chi sponsored a coed ultimate frisbee team and a coed volleyball, both named Phi Dex Flex. The teams played 2-3 times a week for 4 weeks, allowing students ‘time-out’ from their pharmacy studies.

Currently, there are 22 active members ranging from prepharmacy students through P4 students. Marc Johnston, ‘97, alumni liaison, has single-handedly taken on the responsibility to form an alumni chapter. Brook Gehring, chapter president, has updated the alumni roster to improve student-alumni communication.

The chapter meets every two weeks to discuss chapter business, and the executive members worked hard raising funds for the Western Regional Conference. Phi Delta Chi planned to raise $5,000 to host this conference. It is a prime opportunity to present the college to pharmacy students from nine other universities in seven western states.

The conference was held in Pocatello for the first time in 18 years. Darvin Clement, regional co-chairman, and Jeff Sullivan devoted countless hours organizing meeting times, speakers, and transportation. The chapter was pleased that Dr. Tim Stratton, a Phi Delta Chi and ISU alumnus, agreed to speak at the formal dinner. Approximately 50 students were expected in Pocatello for the conference.

Phi Delta Chi joined the Internet this year with their own web page. Many thanks go to Dr. Paul Cady for his assistance in this project. The address is http://www.pharmacy.isu.edu/studs/pdc/about.html. Come visit us!

Phi Lambda Sigma
Darvin Clement - President
Kimberly Wilcox - Vice President
Ellen Schulz - Secretary
Dana Diedrich, Ph.D. - Faculty Advisor

Phi Lambda Sigma is the pharmacy leadership society that recognizes student leaders within the College of Pharmacy. Initiation was held on May 4 at the Magnuson Alumni House. New officers were elected, and 19 new members were inducted. Activities this past year included hosting a luncheon for prepharmacy students after they took the PCAT and then giving them a tour of Leonard Hall. At Christmas time, Ellen Schultz headed up a successful gift and food drive for one of the college’s employees who had a new baby and whose spouse was unemployed.
# Faculty and Staff

## Dean’s Administrative Council

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Vaughn L. Culbertson</td>
<td>Pharm.D., Chair, Department of Pharmacy Practice and Administrative Sciences</td>
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<tr>
<td>Christopher K. Daniels</td>
<td>Ph.D., Chair, Department of Pharmaceutical Sciences</td>
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<tr>
<td>Virginia J. Galizia</td>
<td>Ph.D., Associate Dean</td>
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<tr>
<td>Eric J. Jarvi</td>
<td>Ph.D., Chair, Faculty Affairs Committee</td>
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<td>Barbara G. Wells</td>
<td>Pharm.D., Dean</td>
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## Department of Pharmaceutical Sciences

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<tr>
<td>Christopher K. Daniels</td>
<td>Ph.D., Associate Professor, Chair</td>
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<td>Dana L. Diedrich</td>
<td>Ph.D., Professor</td>
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<td>L. Judy Fontenelle</td>
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<td>Robert W. Goetsch</td>
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<td>Eugene I. Isaacsen</td>
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<td>Eric J. Jarvi</td>
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<td>Thomas R. LaHann</td>
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<td>James C. K. Lai</td>
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<td>W. Cary Mobley</td>
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<td>S. Clive Nelson</td>
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<td>Anna Ratka</td>
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<td>Cindy M. Wilson</td>
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<td>Barbara G. Wells</td>
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## Affiliate Faculty

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<tr>
<td>Nirmal Charan</td>
<td>Boise VA Medical Center</td>
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<td>Barry Cusack</td>
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<td>Jingwen Liu</td>
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<td>M. Vijaya Ramgopal</td>
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<td>Robert E. Vestal</td>
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<td>Denise Wingett</td>
<td>Boise VA Medical Center</td>
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## Department of Pharmacy Practice & Administrative Sciences

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<tr>
<td>Barbara A. Adamcik</td>
<td>Ph.D., Professor</td>
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<td>Patricia Bartlome’</td>
<td>Pharm.D., Associate Professor</td>
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<td>Jan Beckwith</td>
<td>Pharm.D., Assistant Professor</td>
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<td>Paul S. Cady</td>
<td>Ph.D., Associate Professor and Vice Chair</td>
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<tr>
<td>Vaughn L. Culbertson</td>
<td>Pharm.D., Associate Professor and Chair/Director of the Nontraditional Doctor of Pharmacy Program</td>
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<td>John Erramouspe</td>
<td>Pharm.D., Associate Professor</td>
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<td>Rex W. Force</td>
<td>Pharm.D., Assistant Professor</td>
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<td>Wendy S. Force</td>
<td>B.S., Visiting Instructor</td>
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<td>Virginia J. Galizia</td>
<td>Ph.D., Professor and Associate Dean</td>
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<td>Teddie Gould</td>
<td>M.S., Associate Professor</td>
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<td>Roger G. Hefflinger</td>
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<td>Catherine A. Heyneman</td>
<td>Pharm.D., Visiting Clinical Assistant Professor</td>
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<td>Stephen Hurley</td>
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<td>Sandra G. Jue</td>
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<td>Rodney A. Larson</td>
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<td>Barbara J. Mason</td>
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<td>William T. Sharp</td>
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<td>Paul G. Ambrose</td>
<td>Pharm.D., Hartford Hospital</td>
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<td>Debra A. Anczak</td>
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<td>David Anderson</td>
<td>B.S., Madison Memorial Hospital</td>
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<td>Michael Baker</td>
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<td>Britt C. Bayles</td>
<td>Pharm.D., Naval Medical Center</td>
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<td>Patricia D. Berglund</td>
<td>P.A., Family Practice Group</td>
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<td>Paula Blair</td>
<td>B.S., Columbia Eastern Idaho Regional Medical Center</td>
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<tr>
<td>Roger W. Boe</td>
<td>M.D., Pocatello Children/Adolescent Clinic</td>
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<td>Jean M. Bokelmann</td>
<td>M.D., ISU Family Medicine Center</td>
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<tr>
<td>Jennifer Bolding</td>
<td>Pharm.D., Overton Brooks VA Medical Center</td>
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<td>Diana L. Bond</td>
<td>B.S., U of NV Medical Center</td>
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<tr>
<td>Bruce A. Bouts</td>
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<td>Robert Boyce</td>
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<td>James E. Branahl</td>
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<tr>
<td>Michael K. Bringham</td>
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<td>Theodore P. Briski, Jr.</td>
<td>Pharm.D., Naval Medical Center</td>
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<tr>
<td>Mark H. Broadhead</td>
<td>M.D., State Hospital South</td>
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<tr>
<td>Wendy R. Brody</td>
<td>Pharm.D., Kaiser Permanente</td>
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<tr>
<td>Joseph H. Bubalo</td>
<td>B.S., Oregon Health Science University</td>
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Affiliate Faculty - continued

Shawna L. Byington, Pharm.D., Boise VA Medical Center
William P. Byrd, B.S., Bay Pines, FL, VA Medical Center
James W. Byron, B.S., St. Alphonsus Regional Medical Center
Louis C. Caiazzo, Pharm.D., Kaiser Permanente
Mark A. Campbell, M.S., Kaiser Permanente
Wendy C. Cantrell, Pharm.D., U of NV Medical Center
Jannet M. Carmichael, Pharm.D., Reno VA Medical Center
John Cheenes, Pharm.D., Mary Immaculate Hospital
Earl Chester, Jr., M.D., SE Idaho VA Ambulatory Clinic
Judy M. Chichmanian, R.N., SE Idaho VA Ambulatory Clinic
Jerry H. Clifford, Pharm.D., Washoe Medical Center
Linda V. Clifford, Pharm.D., Reno VA Medical Center
Stephen Comstock, B.S., St. Alphonsus Regional Medical Center
Marcus D. Cook, Pharm.D., Bristol-Myers Squibb Company
Shannon L. Coonce, Pharm.D., U of NV Medical Center
Margaret A. Cording, Pharm.D., Naval Medical Center
Gregory Cravens, B.S., Boise VA Medical Center
Jennifer A. Cravens, B.S., St. Alphonsus Regional Medical Center
Barry J. Cusack, M.D., Boise VA Medical Center
Wendi R. Davis, Pharm.D., Pocatello Regional Medical Center
Robert DeChristoforo, Pharm.D., National Institutes of Health Clinical Center
Doris E. Denney, M.B.A., Terry Reilly Health Services
Eve L. Denny, B.S., Madison Memorial Hospital
Larry A. Dent, Pharm.D., FHP of Utah, Inc. Senior Center
Kevin M. Desmond, B.S., Washoe Medical Center
Michael D. Dickens, B.S., St. Luke’s Regional Medical Center
Paul S. Driver, Pharm.D., Pocatello Regional Medical Center
Edith A. Dvorak, B.S., Pocatello Regional Medical Center Plaza Pharmacy
Susan G. Eckroth, B.S., Washoe Medical Center
Tami Eide, Pharm.D., St. Alphonsus Regional Medical Center
Ron K. Endo, B.S., Pocatello Regional Medical Center
David E. England, Pharm.D., U of NV Medical Center
David R. Fischel, M.D., Pocatello Children/Adolescent Clinic
Beth A. Foster, B.S., Reno VA Medical Center
Robert L. Fox, Pharm.D., Washoe Medical Center
Donald Frisch, Pharm.D., U of NV Medical Center
Dennis K. Fuller, Pharm.D., U of NV Medical Center
Joan K. Furlano, B.S., Kaiser Permanente
Valerie Gardner, Pharm.D., Bannock Reg. Medical Cntr.
Elwyn A. Garrard, Pharm.D., Kaiser Permanente
Dave Gebo, B.S., Super Save United Drug
Lorri D. Gebo-Shaver, Pharm.D., Super Save United Drug
R. Timothy Gendron, B.S., Portsmouth, VA, Naval Medical Center
Nancy L. Gibbs, Pharm.D., Miami Valley Hospital
Barry R. Goldspiel, Pharm.D., National Institutes of Health
Joseph P. Gomes, Pharm.D., Alaska Native Medical Center
James Good, B.S., Fort Hall Indian Health Service
Gary Goy, B.S., Bannock Regional Medical Center
Steven C. Graff, B.S., St. Alphonsus Regional Medical Center
Garry Graham, B.S., Boise VA Medical Center
S. Ned Gregorio, B.S., Boise City Pharmacy
Neil Griggs, B.S., Columbia Eastern Idaho Regional Medical Center
M. Jill Gronholz, D.O., Family Practice Group
Mary Elizabeth Gross, Pharm.D., Mercy Hospital and Medical Center
Dale R. Grothe, Pharm.D., National Institutes of Health
Catherine Gundlach, Pharm.D., St. Luke’s Regional Medical Center
Creighton A. Hardin, M.D., Pocatello Children and Adolescent Clinic
Ralph Heckard, M.D., State Hospital South
Greg Hegman, B.S., Bannock Regional Medical Center
W.L. Roy Herold, M.D., SE Idaho VA Ambulatory Clinic
Kevin S. Hill, M.D., Pocatello Regional Medical Center
William E. Hogan, M.D., Pocatello Children and Adolescent Clinic
Alfred F. Hogenauer, M.S., St. Luke’s Regional Medical Center
Jon D. Horton, Pharm.D., York Health Systems
Lori L. Isaacs, M.H.A., U of NV Medical Center
William J. Ivanich, B.S., Pocatello Regional Medical Center
A. Boyd Jeffery, B.S., St. Alphonsus Regional Medical Center
Lloyd R. Jensen, M.D., Pocatello Children/Adolescent Clinic
Shawna Kittridge, B.S., Idaho Care System
Alexander Kintzoglou, M.D., Mary Immaculate Hospital
I. Harry Krewsun, Pharm.D., Kaiser Permanente
Arpi G. Kuyumjian, Pharm.D., Hackensack University Medical Center for Infectious Disease
Jesse Landis, M.S.W., Pocatello Children/Adolescent Clinic
Jack Lauletta, Pharm.D., Mary Immaculate Hospital
Carlton K.K. Lee, Pharm.D., John Hopkins Hospital
James Michael Lile, Pharm.D., Mid-Michigan Regional Medical Center
Michael D. Lovetro, B.S., Naval Medical Center
Maureen C. Mack, M.D., Pocatello Children/Adolescent Clinic
Richard E. Malone, Pharm.D., Huntsville Hospital
Scott E. Mambourg, Pharm.D., Reno VA Medical Center
Frederick Marsh, M.D., State Hospital South
Edward James Martel, Pharm.D., Louisiana State University Medical Center
Nicole Massarat, Pharm.D., Kaiser Permanente
Lisa Crowley Mathis, B.S., St. Luke’s Regional Medical Center
Errol R. Maus, B.S., St. Alphonsus Regional Medical Center
Richard M. Maynard, D.O., Family Practice Group
Cassandra H. McCamish, B.S., Boise VA Medical Center
John C. McCormack, M.D., State Hospital South
Barbara McEvoy, Pharm.D., North Valley Hospital
Kim L. McGary, B.S., Columbia Eastern Idaho Regional Medical Center
Don E. McInturf, M.D., Pocatello Children and Adolescent Clinic
Deborah K. McKee, B.S., Washoe Medical Center
Andrew K. Meagher, B.S., Fort Hall Indian Health Service
Cecilia M. Meagher, B.S., Fort Hall Indian Health Service
Larry D. Meyer, B.S., Boise VA Medical Center
James R. Minor, Pharm.D., National Institutes of Health
Jeff L. Monaghan, Pharm.D., Washoe Medical Center
Robert R. Moore, B.S., Boise VA Medical Center
Susan M. Morgan, B.S., St. Alphonsus Regional Medical Center
Greg B. Morrill, Pharm.D., Tucson VA Medical Center
Larry L. Munkelt, Pharm.D., Pocatello Regional Medical Center
Grace A. Nathan, B.S., St. Lukes Regional Medical Center
David Nelson, B.S., Washoe Medical Center
Teresa J. Newsom, B.S., Pocatello Regional Medical Center
Leo J. Nickasch, B.S., Boise VA Medical Center
Jan O’Neil, M.S., Bannock Regional Medical Center
Byron C. Olson, Pharm.D., Boise VA Medical Center
Ali Olyaei, Pharm.D., Oregon Health Science Center
Dianne B. Onnen, M.P.A., St. Luke’s Regional Medical Center
Mary Beth Ostrom, M.D., State Hospital South
Roger Oswald, B.S., Westgate Drug
Robert E. Pachorek, Pharm.D., Mercy Hospital and Medical Center
Kelly P. Palmer, D.O., State Hospital South
Beverly M. Parker, M.D., Boise VA Medical Center
Gary M. Patchin, Pharm.D., Reno VA Medical Center
Kathleen A. Payne, Pharm.D., Bannock Regional Medical Center
Linda R. Pierce, Pharm.D., Boise VA Medical Center
Robert Mathew Pifher, B.S., St. Alphonsus Regional Medical Center
Bryon J. Pinson, B.S., Washoe Medical Center
Larry L. Pinson, Pharm.D., Silverada Pharmacy
Jan Poreba, B.S., Boise VA Medical Center
Richard N. Price, B.S., State Hospital South
Kevin Gerard Przybylinski, Pharm.D., Mid-Michigan Regional Medical Center
Frank Pucino, Jr., Pharm.D., National Institutes of Health Clinical Center
Gary K. Pullen, B.S., Prescription Center
Michele A. Pyatte, Pharm.D., Kaiser Permanente
Brad Russuchine, Pharm.D., TPN of Las Vegas, Inc.
Ed Reddish, B.S., Mallea-Reddish Pharmacy
Kenneth S. Reifman, B.S., Kaiser Permanente
Margaret L. Rice, B.S., Columbia Eastern Idaho Regional Medical Center
Kimberly Riley, Pharm.D., Kaiser Permanente
Marlis E. Risso, Pharm.D., Washoe Medical Center
Karen Robison, B.S., St. Luke’s Regional Medical Center
Joseph G. Rossi, Pharm.D., Morristown Memorial Hospital
Robert J. Ruggerio, Pharm.D., Mary Immaculate Hospital
Rajesh C. Sachdeo, M.D., Robert W. Johnson Medical School
Timothy Santos, B.S., Boise VA Medical Center
Dennis Sawyer, Pharm.D., Magic Valley Regional Center
Thomas R. Schafer, Pharm.D., Washoe Medical Center
Hershel D. Schaftel, Pharm.D., Kaiser Permanente
Philip L. Schiffman, M.D., Pulmonary and Intensive Care Specialist
Liesa F. Scott, Pharm.D., Naval Medical Center Pharmacy
R. Lynn Greenberg Seaman, B.S., Portsmouth, VA, Naval Medical Center
Christopher C. Shields, M.D., Family Practice Group
Y. Todd Shinohara, Pharm.D., San Diego, CA, Naval Medical Center
Gail L. Sieren, Pharm.D., U of NV Medical Center
Marilyn M. Silcock, Pharm.D., Bannock Regional Medical Center
Rod G. Simon, M.P.A., Boise VA Medical Center
Bob Smith, B.S., State Hospital South
Dave M. Smith, B.S., St. Alphonsus Regional Medical Center
Thomas B. Snow, B.S., Westgate Drug
Bruce Spradlin, Pharm.D., Pocatello Regional Medical Center
Michael D. Stander, Pharm.D., Washoe Medical Center
Mary E. Staples, Pharm.D., U of NV Medical Center
Dorsie Sullenger, B.S., Madison Memorial Hospital
Gregory M. Susla, Pharm.D., National Institute of Health
Frank L. Talboy, B.S., Boise VA Medical Center
Ronald D. Tapley, Pharm.D., Togus VA Medical Center
Cynthia Taylor, B.S., St. Alphonsus Regional Medical Center
Donna Taylor, B.S., Bannock Regional Medical Center
Emeritus Faculty

Franklin R. Cole, Ph.D., Professor of Pharmacognosy
L. Judy Fontenelle, Ph.D., Professor of Pharmacology and Biochemistry
Robert W. Goettsch, Ph.D., Professor of Pharmaceutics
Nevada Marie Higgins, Ph.D., Professor of Pharmacy
Ira W. Hillyard, Ph.D., Professor of Pharmacology
Eugene I. Isaacson, Ph.D., Professor of Pharmaceutical Chemistry

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Ruth Briscoe, Business Manager
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Cynthia Foster, Assistant to the Associate Dean for Student Affairs and Admissions
Margo Lasky, Assistant to the Dean for Alumni Affairs and Program Development
Mary Ann Stoll, Building, Equipment, and Safety Coordinator
Cindy Walker, Secretary to the Dean

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Rita Katsilometes, Secretary to the Chair
Cindy Moore, Secretary

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Troy DeMasters, Research Assistant
Evelyn Genta, Secretary to the Vice Chair and Pocatello Faculty
Sharlene Hetrick, Secretary to the Vice Chair and Boise Faculty
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Craig Kelley, Technical Support Manager
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Beverly Sion, Secretary to the Chair/Director of the Nontraditional Doctor of Pharmacy Program

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Appendix I

Department of Pharmacy Practice and Administrative Sciences

Appendix I presents courses taught and notable accomplishments of Idaho State University’s College of Pharmacy Department of Pharmacy Practice and Administrative Sciences faculty completed during Fiscal Year 1998 (July 1, 1997, to June 30, 1998). Courses are listed by course number and graduate classes are listed separately. Accomplishments are reported in the areas of publications: abstracts, articles, books and book chapters; presentations; continuing education; professional service: college, university, local, state and regional, national and nonregional, institutional/patient care, international; grants and contracts; community service; reviewers and editorial positions; and awards and other noteworthy accomplishments. Accomplishments are listed either alphabetically, by formal citation, or, in uncited accomplishments, alphabetically by faculty member last name.

A. Department Courses

The following courses were taught and reported to ISU’s Office of Institutional Research by the Department of Pharmacy Practice and Administrative Sciences during the 1997-1998 academic year.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor(s)</th>
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<tbody>
<tr>
<td>PPRA 229</td>
<td>Special Topics P1 Seminar</td>
<td>V Galizia</td>
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<tr>
<td>PPRA 338</td>
<td>Drug Information/Medical Terminology</td>
<td>J Beckwith</td>
</tr>
<tr>
<td>PPRA 399</td>
<td>Complementary Natural Medicine</td>
<td>J Beckwith, V Galizia</td>
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<tr>
<td>PPRA 401</td>
<td>Current Topics in Pharmacy</td>
<td>R Larson, B Wells</td>
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<tr>
<td>PPRA 416</td>
<td>Social Behavioral Practice</td>
<td>B Adamcik</td>
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<tr>
<td>PPRA 418</td>
<td>Pharmacy Management w/Lab</td>
<td>P Cady, W Sharp</td>
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<tr>
<td>PPRA 499</td>
<td>Special Topics - DUR</td>
<td>V Culbertson</td>
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<td>PPRA 501</td>
<td>Case Studies III</td>
<td>P Cady, V Culbertson, V Galizia,</td>
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<td>C Heyneman, S Hurley, R Larson, R</td>
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<td>Rhodes</td>
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<td>PPRA 502</td>
<td>Case Studies IV</td>
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<td>PPRA 505</td>
<td>Externship</td>
<td>W Force</td>
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<td>PPRA 518</td>
<td>Clinical Research &amp; Design Analysis</td>
<td>P Cady</td>
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<tr>
<td>PPRA 519</td>
<td>Pharmacy Law</td>
<td>W Sharp</td>
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<td>PPRA 521</td>
<td>Pharmaceutical Care I w/Lab</td>
<td>B Adamcik, C Heyneman</td>
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<tr>
<td>PPRA 522</td>
<td>Pharmaceutical Care II w/Lab</td>
<td>V Culbertson, C Heyneman</td>
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<td>PPRA 525</td>
<td>Pathophysiology and Therapeutics I</td>
<td>P Bartlome’, R Force, T Gould, R</td>
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<td>Hefflinger, S Hurley, B Mason, B</td>
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<td>Saletnik</td>
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<tr>
<td>PPRA 526</td>
<td>Pathophysiology and Therapeutics II</td>
<td>J Erramouspe, R Force, T Gould, R</td>
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<td>Hefflinger, R Lott, K Madaras-Kelly,</td>
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<td>S Reitz, R Rhodes</td>
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<td>PPRA 543</td>
<td>Ambulatory Care Clerkship*</td>
<td>P Bartlome’, T Gould, R Hefflinger,</td>
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<td>B Mason</td>
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<tr>
<td>PPRA 544</td>
<td>Medicine Clerkship*</td>
<td>R Force, K Madaras-Kelly, B Saletnik</td>
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<td>PPRA 545</td>
<td>Pediatrics Clerkship*</td>
<td>J Erramouspe, S Reitz</td>
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<tr>
<td>PPRA 546</td>
<td>Geriatrics Clerkship*</td>
<td>S Jue, R Rhodes</td>
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<tr>
<td>PPRA 547</td>
<td>Mental Health Clerkship*</td>
<td>S Hurley, R Lott</td>
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<tr>
<td>PPRA 548</td>
<td>Drug Information Clerkship*</td>
<td>J Beckwith</td>
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<tr>
<td>PPRA 553</td>
<td>Professional Student Seminar</td>
<td>C Heyneman, S Reitz</td>
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<tr>
<td>PPRA 583</td>
<td>Special Populations Clerkship</td>
<td>S Reitz</td>
</tr>
<tr>
<td>PPRA 596</td>
<td>Pharmacy Residency</td>
<td>B Mason, R Force, T Gould, R Hefflinger,</td>
</tr>
</tbody>
</table>
GRADUATE

PADM 601  Graduate Seminar                    B Adamcik, P Cady, W Sharp
PADM 610  Behavioral Aspects of Pharmacy Practice    B Adamcik
PADM 650  Thesis Research                        R Larson, W Sharp
PADM 632  Medical Economics                      W Sharp
PADM 635  Adv. Pharmacy Administration II        P Cady, R Larson
          S Jue, R Rhodes
PPRA 618  Clinical Research and Design Analysis  P Cady, Coordinator
PSCI 698  Dissertation Research                   B Adamcik
          W Sharp
PSCI 699  Dissertation                             B Adamcik, P Cady

B. Publications

Abstracts


Articles


Books and Book Chapters


C. Presentations


<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Title</th>
<th>Conference/Location</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Galizia VJ.</td>
<td>Program highlights and changes in the admissions policies for the doctor of pharmacy program.</td>
<td>ISU Enrollment Planning. Idaho State University. Pocatello, ID. November 1997.</td>
<td></td>
</tr>
</tbody>
</table>


Lott RS. New antiepileptic drugs: Mechanisms, interactions,
and polytherapy, Pharmacy and Medical Staff of Fircrest School. Seattle, WA. March 1998.


**D. Continuing Education**

**Cady PS.** *Counseling patients with asthma.* ISU COP Annual Spring Continuing Education Program. Pocatello, ID. April 1998; Boise, ID. May 1998; Post Falls, ID. May 1998.

**Erramouspe J.** *Case study discussion of asthma patients.* ISU COP Annual Spring Continuing Education Program. Pocatello, ID. April 1998; Boise, ID. May 1998; Post Falls, ID. May 1998.

**Erramouspe J.** *Update on asthma in children.* ISU COP Annual Spring Continuing Education Program. Pocatello, ID. April 1998; Boise, ID. May 1998; Post Falls, ID. May 1998.


E. Professional Service
Our faculty hold memberships in the following college, university, local, state, national and international organizations. Positions above membership are noted.

College of Pharmacy Service

Adamcik BA
ACPE Accreditation Self-Study Faculty & Professional Staff Subcommittee
Assessment Committee
Curricular Affairs Committee

Beckwith J
ACPE Accreditation Physical, Clinical, Library & Financial Resources Self-Study Subcommittee
Assessment Committee

Cady PS
ACPE Accreditation Curriculum & Degrees Self-Study Subcommittee, Chair
Assessment Committee
Technology Committee, Chair

Culbertson VL
ACPE Accreditation Self-Study Organization & Administration Subcommittee
ACPE Accreditation Self-Study Steering Committee, Co-chair
Administrative Council
Continuing Education Advisory Committee
Graduate Education & Faculty Research Affairs Committee, Ex-officio
Nontraditional Pharm.D. Program Advisory Committee
Student Affairs Committee, Ex-officio
Erramouspe J  
ACPE Accreditation Self-Study Student Affairs Subcommittee  
Faculty Affairs Committee  
Nontraditional Pharm.D. Program Policies & Procedures Committee  
WebStudies Executive Board  

Galizia VJ  
ACPE Accreditation Self-Study Organization & Administration Subcommittee  
ACPE Accreditation Self-Study Steering Committee  
ACPE Accreditation Self-Study Student Affairs Subcommittee, Chair  
Administrative Council  
Assessment Committee, Chair  
Curricular Affairs Committee  
Search Committee for Assistant to the Dean for Student Affairs & Admissions, Chair  
Student Affairs Committee, Chair  
Admissions Subcommittee, Chair  
Progressions Subcommittee, Chair  
Scholarship Subcommittee, Chair  
Technology Committee  

Gould T  
ACPE Accreditation Curriculum & Degrees Self-Study Subcommittee  
Student Affairs Committee  

Hefflinger R  
ACPE Accreditation Experimentation & Evaluation Self-Study Subcommittee  
Boise Psychiatric Position Search Committee VA Boise, Chair  
Boise St. Alphonsus Adult Medicine Position Search Committee  
Curricular Affairs Committee  

Heyneman CA  
Internal Medicine Position Selection Committee  
Nontraditional Pharm.D. Program Admissions Committee  
Nontraditional Pharm.D. Program Policies & Procedures Committee  
Technical Support Manager Position Search Committee  

Hurley S  
ACPE Accreditation Experimentation & Evaluation Self-Study Subcommittee  
Technology Committee  

Jue SG  
ACPE Accreditation Self-Study Faculty & Professional Staff Subcommittee  
Graduate Education & Faculty Research Affairs Committee  
Technology Committee  

Larson RA  
ACPE Accreditation Self-Study Comprehensive Summary Subcommittee  
Assessment Committee  
Curricular Affairs Committee, Chair  
Faculty Affairs Committee  
Promotion & Tenure Subcommittee  

Lott R  
Boise Adult Internal Medicine Position Search Committee  
Pocatello Internal Medicine Position Search Committee  

Madaras-Kelly K  
ACPE Accreditation Self-Study Comprehensive Summary Subcommittee, Chair  
ACPE Accreditation Self-Study Steering Committee  
Boise St. Alphonsus Adult Medicine Position Search Committee, Chair  
Faculty Affairs Committee  

Mason B  
ACPE Accreditation Physical, Clinical, Library & Financial Resources Self-Study Subcommittee, Chair  
Assessment Committee  
Graduate Education & Faculty Research Affairs Committee  

Reitz S  
ACPE Accreditation Self-Study Comprehensive Summary Subcommittee  

Rhodes R  
Nontraditional Pharm.D. Program Admissions Committee  
Student Affairs Committee  
Scholarship Subcommittee  

Wells BG  
ACPE Accreditation Organization & Administration Self-Study Subcommittee, Chair  
ACPE Accreditation Physical, Clinical, Library & Financial Resources Self-Study Subcommittee  
Administrative Council, Chair  
Nontraditional Pharm.D. Program Advisory Committee  

University Service  

Adamcik BA  
College of Health Professions Health Fair Planning Committee  
Commencement Committee  
Geriatric Health Care & Gerontology Program Planning SIG  
Goal 8 (Philosophy) Evaluation Committee  
ISU Professional Women
Beckwith J
Idaho Health Sciences Library Advisory Committee
University Library Committee

Force RW
Faculty Search Committee - Department of Family Medicine,
Idaho State University

Galizia VJ
Advisor Coordinators Committee
Council for Teaching & Learning, Office of Institutional Research
Idaho State University Professional Women, Executive Board
Immunization Policy Review Committee
Library Instruction Committee

Heyneman CA
Scholastic Appeals Board

Hurley S
General Education Requirements
Library Systems Committee

Larson RA
Curriculum Council, Vice Chair
Faculty Senate
   Intellectual Property Rights Subcommittee, Chair
Health Conference Planning Committee
Human Subjects Committee

Mason B
ISU Distinguished Public Service Award Committee

Wells BG
Academic Standards Council
Faculty Member Grievance Committee, Chair
Facilities Naming Committee
Promotion & Tenure Appeals Committee
Search Committee for Director of Enrollment Planning
Technology Oversight Committee
University Research Committee

Local, State & Regional Service

Adamcik BA
Pocatello Medical Ethics Committee

Beckwith J
Idaho Coalition for Cancer Pain Relief
Idaho Health Information Association
Idaho Society of Health-System Pharmacists
   Annual Awards, reviewer
Idaho State Pharmacy Association
Southeastern Idaho Pharmacy Association

Cady PS
Southeastern Idaho Pharmacy Association

Culbertson VL
Idaho Academy of Pharmaceutical Care Practitioners,
   Advisory Board
Idaho Society of Health-System Pharmacists
Idaho State Pharmacy Association
Idaho Pharmacy Leadership Council

Erramouspe J
Idaho State Pharmacy Association
Southeastern Idaho Pharmacy Association

Force RW
Idaho Immunization Advisory Task Force
Idaho Society of Health-System Pharmacists
ISU & Bannock County HIV Clinic Committee
Retired Senior Volunteer Program Medication Education Program

Galizia VJ
Idaho State Pharmacy Association

Gould T
Idaho State Pharmacy Association
Southeastern Idaho Pharmacy Association

Hefflinger R
Capital Pharmacists Association
Healthwise Advisory Board
Idaho Coalition for Cancer Pain Relief
Idaho Society of Health-System Pharmacists
   Pharmaceutical Care Ad Hoc Committee
Interventional Rehabilitation Services
Boise Family Practice Medical Center
   Clinic Students Committee, Chair
   Informatics Committee, Chair
   Internal Medicine Curriculum
   Library Committee, Chair
   Pharmacy & Therapeutics Committee, Chair
   Resident Evaluation Committee
   RRC Accreditation Review

Hurley S
Idaho Society of Health-System Pharmacists
Southeastern Idaho Pharmacy Association

Jue SG
Capital Pharmaceutical Association
Idaho Epilepsy League, Professional Advisory Board
Idaho Society of Health-System Pharmacists
Idaho State Pharmaceutical Association
Pharmaceutical Care Consortium
<table>
<thead>
<tr>
<th>Name</th>
<th>Organization</th>
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<tbody>
<tr>
<td>Lott R</td>
<td>Epilepsy Foundation of Idaho Professional Advisory Board</td>
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<td></td>
<td>Idaho Society of Health-System Pharmacists</td>
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<tr>
<td>Madaras-Kelly KJ</td>
<td>Dept. of Health &amp; Welfare Advisory Committee</td>
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<tr>
<td></td>
<td>Idaho AIDS Drug Assistance Program, State of Idaho</td>
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<td>Investigational Review Board, Mountain States Tumor Institute, Veterans Affairs Medical Center</td>
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<tr>
<td>Mason B</td>
<td>Idaho Pharmaceutical Care Consortium, Chair</td>
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<tr>
<td></td>
<td>Idaho Pharmacy Leadership Council</td>
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<tr>
<td></td>
<td>Idaho Society of Health-System Pharmacists, Board of Directors</td>
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<tr>
<td>Reitz SJ</td>
<td>Idaho Society of Health-System Pharmacists</td>
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<tr>
<td></td>
<td>Organizational Affairs, Chair</td>
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<tr>
<td></td>
<td>Immunize-by-Two Coalition</td>
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<td></td>
<td>Provider Education Committee</td>
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<td>Rhodes R</td>
<td>Idaho State Veterans Home-Pocatello</td>
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<td>Infection Control Committee</td>
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<td>P &amp; T Committee</td>
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<td><strong>National &amp; Nonregional Service</strong></td>
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<tr>
<td>Adamcik BA</td>
<td>American Association of Colleges of Pharmacy</td>
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<td></td>
<td>Ethics SIG</td>
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<td>Faculty Affairs Committee, Council of Faculties</td>
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<td>Geriatrics SIG</td>
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<td>Social &amp; Administrative Sciences Section</td>
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<td>Abstract Review Committee</td>
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<td>Immediate Past Chair</td>
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<td>Lyman Award Nominations Committee</td>
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<td>Review Panel for New Investigators Proposals</td>
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<td>Women Faculty SIG</td>
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<tr>
<td></td>
<td>Gerontological Society of America/Association for Gerontology in Higher Education</td>
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<td></td>
<td>Phi Lambda Sigma</td>
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<tr>
<td></td>
<td>Rho Chi</td>
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<tr>
<td>Beckwith J</td>
<td>American Association of Colleges of Pharmacy</td>
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<td>American Pharmaceutical Association</td>
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<td>Culbertson VL</td>
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<td></td>
<td>America Society of Health-System Pharmacists</td>
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<tr>
<td>Erramouspe J</td>
<td>American Society of Health-System Pharmacists</td>
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<tr>
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<td>Pediatric Pharmacy Advocacy Group</td>
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<td>Force RW</td>
<td>Ambulatory Care Practice &amp; Research Network</td>
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<td>American College of Clinical Pharmacy</td>
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<td></td>
<td>Web Site Developer</td>
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<td>American Society of Health-System Pharmacists</td>
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<td>Board of Pharmaceutical Specialties Council on Pharmacotherapy</td>
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<td>Primary Care Item Writing Panel</td>
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<td>Fax CE, University of Illinois at Chicago Editorial Board</td>
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<td>Society of Teachers of Family Medicine</td>
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<td>Galizia VJ</td>
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<td>Institutional Research Advisory Committee</td>
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<td>American Council on Pharmaceutical Education</td>
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<td>Continuing Pharmaceutical Education, Reviewer</td>
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<td>American Society of Pharmacy Law</td>
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<td>Golden Key Honor Society</td>
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<td>Lambda Kappa Sigma</td>
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<td>National Community Pharmacists Association</td>
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<td>Phi Lambda Sigma</td>
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<td>Rho Chi</td>
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<td>Gould T</td>
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<td>Phi Lambda Sigma</td>
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<td>Rho Chi</td>
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</tbody>
</table>
Hefflinger R
American Association of Colleges of Pharmacy
American Pharmaceutical Association
American Society of Health-System Pharmacists

Heyneman CA
American Association of Colleges of Pharmacy
Geriatrics SIG
Women Faculty SIG
American Society of Health-System Pharmacists

Jue SG
American Chinese Pharmaceutical Association
American Society of Health-System Pharmacists
Section of Clinical Specialists
Foundation Fellowships Program Selection Committee
Research & Education Fellowship Selection Committee for Geriatric Drug Therapy

Larson RA
American Association of Colleges of Pharmacy
House of Delegates

Lott R
American Association of Colleges of Pharmacy
American Epilepsy Society
American Society of Health-System Pharmacists
Section of Clinical Specialists

Madaras-Kelly KJ
American College of Clinical Pharmacy
American Society of Health-System Pharmacists
American Society of Microbiology
Society of Infectious Diseases Pharmacists
Working Group on Added Qualifications in Infectious Diseases

Mason B
American Association of Colleges of Pharmacy
American Pharmaceutical Association
American Society of Health-System Pharmacists

Reitz SJ
American Association of Colleges of Pharmacy
American College of Clinical Pharmacy
Committee on Board Certification Affairs
Pediatric Practice and Research Network
Planning Committee for Pediatric CE
American Pharmaceutical Association
American Society of Health-System Pharmacists
Section of Clinical Specialists
Kappa Epsilon
Pediatric Pharmacy Advocacy Group
Rho Chi

Rhodes R
American Society of Health-System Pharmacists

Wells BG
American Association of Colleges of Pharmacy
Bylaws & Policy Development Committee, Chair
Council of Deans, Chair-elect
Committee on Academic Budgeting & Accountability
Sharing of Electronic-Based Educational Resources Task Force
American College of Clinical Pharmacy
Board of Regents
Central Nervous System Practice & Research Network, Board Liaison
Educational Affairs Committee, Board Liaison
Task Force on Chapters, Board Liaison
American Pharmaceutical Association
Activity Classification Project, Panel Reviewer
American Public Health Association
American Society of Health-System Pharmacists
Memphis Area Pharmacists Society
Mid-South College of Clinical Pharmacy
Phi Lambda Sigma, Theta Chapter
Rho Chi Society
Southeastern Idaho Pharmacy Association
Tennessee Pharmacists Association
Tennessee Society of Hospital Pharmacists

Institutional/Patient Care Committees

Hefflinger R
St Alphonsus Bench Marking Cost Committee

Jue SG
Boise VA Medical Center
Drug Utilization Evaluation Committee
Medication Education Process Action Team
Nutrition Committee
Nutrition Support Committee
P & T Committee

Larson RA
Bannock Hospital & Pocatello Regional Medical Center
Ethics Committee

Lott R
Boise VA Medical Center
Drug Utilization Evaluation Committee
Therapeutics Committee

Madaras-Kelly KJ
Boise VA Medical Center
Drug Utilization Evaluation Committee
Mason BJ
Boise VA Medical Center
Patient Education Committee
Medication Education Process Action Team, Chair
Hospital Based Home Health Care Committee.

Reitz SJ
St Luke’s Regional Medical Center
Pediatric Pharmacy Clinical Guidelines Committee, Chair
Pharmacy & Therapeutics Committee
Pharmacy Shared Governance Practice Group
Pharm-Link Training Group
RespiGam Clinic

International Service

Beckwith J
FIP - The International Pharmaceutical Federation

Galizia VJ
International Academy of Compounding Pharmacists

F. Grants and Contracts

Adamcik BA, Heyneman C. Empowering consumers to become active participants in the pharmacist-patient consultation process. ISU Faculty Research Committee. $2795. January 1997.


Mason BJ. Primary care residency grant. PRIME Program. $59,000. July 1997.

Mason BJ, Jue SG. Development and implementation of a structured pharmaceutical care approach to the management of ambulatory patients with hyperlipidemia. University of Arizona. $8,000. October 1997.


G. Community Service

Adamcik BA
1998 ISU Health Fair College of Pharmacy Learning Center

Beckwith J
ISU Kick-Off Week, Volunteer
The legacy of Haight-Ashbury - Learning from the past. Keynote Speaker. D.A.R.E. Graduation Ceremony

Culbertson VL
Idaho Drug Utilization Review Board, Staff Member
Force RW
Idaho Drug Utilization Review Board, Staff Member
Immunized-by-Two Coalition
  Recording Subcommittee

Madaras-Kelly KJ
Ada County Free HIV Clinic
  Volunteer & Consultant Pharmacist

Mason BJ
Poison Prevention Education to Boise Grade Schools

Reitz SJ
Poison Prevention Education to Boise Grade Schools

Wells BG
Idaho Drug Utilization Review Board, Staff Member & Secretary
Pocatello Rotary Club

H. Peer Reviewers & Editorial Positions*

Adamcik BA
American Journal of Pharmaceutical Education
AACP Social & Administrative Sciences Section
  Lyman Award Nominees
  New Investigators Proposals, Review Panel I
  Poster Abstracts

Beckwith J
Pharmacist’s Letter, Editorial Board
The Annals of Pharmacotherapy, Editorial Board

Erramouspe J
The Annals of Pharmacotherapy, Editorial Panel (Pediatrics)

Force R
Annals of Pharmacotherapy, Ambulatory Care and Family Medicine
Fax CE Program, University of Illinois at Chicago College of Pharmacy and Pfizer, Inc., Editorial Board
Journal of Family Practice
Journal of Pharmacy Technology
North American Primary Care Research Group
  Annual Meeting, Abstract Reviewer

Galizia VJ
1998 American Educational Research Association Division I (Education in the Professions)
  Annual Meeting Program, proposal reviewer

Heyneman CA
Annals of Pharmacotherapy, Editorial Board (Geriatrics)
Drugdex, Assistant Editor
Journal of Pharmacy Technology
Micromedex

Hurley S
Annals of Pharmacotherapy

Larson RA
American Journal of Pharmaceutical Education

Lott RS
Annals of Pharmacotherapy
PSAP-III: Pediatric Psychiatry & Developmental Disabilities Module

Mason BJ
American Journal of Health-System Pharmacy

Reitz SR
American Academy of Pediatrics
American Society of Health-System Pharmacists

Wells BG
American College of Clinical Pharmacy,
  Spring Meeting, Abstract Reviewer,
  Annals of Pharmacotherapy
Pharmacotherapy: A Pathophysiologic Approach, Editor
Pharmacotherapy Handbook, Editor
Pharmacotherapy: A Patient Focused Approach, Editor

* reviewer unless otherwise noted

I. Awards and Other Noteworthy Accomplishments

Adamcik BA
Listed in 1997 International Who’s Who

Culbertson VL, Larson RA, Cady PS, Kale M, Force RW

Force RW
ACCP Ambulatory Care Practice and Research Network
  Service Award, April 1998
  Chair-elect
STEPped Care - An evidence-based approach to drug therapy. Journal of the American Board of Family Practice, Founding Editor

Gould T
Who’s Who Among America’s Teachers 1998

Hefflinger R
1998 College of Pharmacy Teacher of the Year - P4 Class

Heyneman C
1998 College of Pharmacy Teacher of the Year - P3 Class
Jue SG
Successful ASHP re-accreditation for Geriatric Pharmacy Practice Residency

Mason BJ
American Society of Health-System Pharmacists, Fellow.
June 1998

Reitz S
1st Place Poster Award, Idaho Society of Health-System Pharmacists, October 1997

Wells BG
American Association of Colleges of Pharmacy Council of Deans, elected Chair-Elect Named 1998 Outstanding Alumna of the University of Tennessee College of Pharmacy
Appendix II presents courses taught and notable accomplishments of Idaho State University’s College of Pharmacy Department of Pharmaceutical Sciences faculty completed during Fiscal Year 1998 (July 1, 1997, to June 30, 1998). Courses are listed by course number and graduate classes are listed separately. Accomplishments are reported in the areas of publications: abstracts, articles, books and book chapters; presentations; professional service: college, university, local, state and regional, national and nonregional, international; grants and contracts; community service; reviewers and editorial positions; and awards and other noteworthy accomplishments. Accomplishments are listed either alphabetically, by formal citation, or, in uncited accomplishments, alphabetically by faculty member last name.

A. Department Courses

The following courses were taught and reported to the ISU’s Office of Institutional Research by the Department of Pharmaceutical Sciences faculty during the 1997-98 academic year.

**SERVICE**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor(s)</th>
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<tbody>
<tr>
<td>PHAR 205</td>
<td>Drugs in Society</td>
<td>C Nelson</td>
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<tr>
<td>PHAR 299</td>
<td>Introduction to Pharmacy</td>
<td>A Ratka</td>
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<tr>
<td>PHAR 314</td>
<td>Basic &amp; Applied Pharmacology</td>
<td>D Diedrich, J Fontenelle</td>
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<tr>
<td>PHAR 316</td>
<td>Essentials of Pharmacology</td>
<td>J Fontenelle, C Nelson</td>
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<tr>
<td>PHAR 317</td>
<td>Drug Therapy</td>
<td>J Fontenelle, C Nelson</td>
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<tr>
<td>PHAR 318</td>
<td>Basic &amp; Applied Pharmacology</td>
<td>C Daniels, T LaHann</td>
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<tr>
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<td>(for Physical Therapy)</td>
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<tr>
<td>PHAR 645</td>
<td>Pharmacotherapeutics for Nurse Practitioners</td>
<td>C Daniels, R Lott</td>
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**PROFESSIONAL**

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<tr>
<td>PSCI 401</td>
<td>Case Studies in Pharmacy I</td>
<td>C Daniels/ coordinator, T LaHann</td>
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<tr>
<td>PSCI 402</td>
<td>Case Studies in Pharmacy II</td>
<td>C Nelson</td>
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<tr>
<td>PSCI 423</td>
<td>Pharmaceutics I</td>
<td>C Daniels, E Isaacson, C Mobley, A Ratka</td>
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<tr>
<td>PSCI 424</td>
<td>Pharmaceutics II</td>
<td>R Goettsch, C Mobley, A Ratka</td>
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<td>PSCI 424L</td>
<td>Pharmaceutics II Lab</td>
<td>A Ratka</td>
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<tr>
<td>PSCI 425</td>
<td>Pharmaceutics III</td>
<td>R Goettsch, E Jarvi, C Mobley, A Ratka</td>
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<tr>
<td>PSCI 425L</td>
<td>Pharmaceutics III Lab</td>
<td>R Goettsch, C Mobley, A Ratka</td>
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<tr>
<td>PSCI 455</td>
<td>Medicinal Chemistry I</td>
<td>E Isaacson</td>
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<tr>
<td>PSCI 456</td>
<td>Medicinal Chemistry II</td>
<td>E Isaacson</td>
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<tr>
<td>PSCI 465</td>
<td>Pharmacology I</td>
<td>C Daniels, D Diedrich, C Wilson</td>
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<td>PSCI 466</td>
<td>Pharmacology II</td>
<td>T LaHann, C Wilson</td>
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<tr>
<td>PSCI 467</td>
<td>Pharmacology III</td>
<td>C Daniels, J Fontenelle</td>
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GRADUATE

PSCI 521 Dermatologicals
R Goettsch

PSCI 523 Pharmaceutics I
R Goettsch, C Mobley, A Ratka

PSCI 524 Pharmaceutics II
R Goettsch, C Mobley, A Ratka

PSCI 525 Pharmaceutics III
C Mobley

PSCI 529 Clinical Pharmacokinetics
D Sawyer

PSCI 537 Professional Student Seminar
D Diedrich

PSCI 538 Independent Problems
A Ratka

PSCI 565 Pharmacology I
C Daniels, D Diedrich, C Wilson

PSCI 566 Pharmacology II
T LaHann, C Wilson

PSCI 567 Pharmacology III
C Daniels, J Fontenelle

PSCI 568 Toxicology
T LaHann

PSCI 592 Special Topics in Pharmaceutical Sciences
C Daniels, J Lai, L Smith, E Isaacson

PSCI 601 Graduate Seminar in Pharmaceutical Sciences
C Mobley

PSCI 603 Scientific Writing
J Lai

PSCI 605 Prin. Instrumental Techniques
C Daniels

PSCI 606 Selected Techniques in Laboratory
C Daniels, E Jarvi

PSCI 607 Research Foundation in PSCI
C Daniels, E Jarvi

PSCI 621 Mechanisms of Chemical Action
J Lai, E Jarvi

PSCI 650 Thesis Research
C Daniels, E Jarvi, T LaHann, J Lai

PSCI 660 Mechanisms of Drug Action
C Daniels, J Lai, J Smith

PSCI 698 Dissertation Research
C Daniels, E Jarvi, A Ratka

B. Publications

Abstracts


Articles


Vatassery GT, Lai JCK, Smith WE, Quach HT. Aging is associated with a decrease in synaptosomal glutamate uptake and an increase in the susceptibility of synaptosomal vitamin E to oxidative stress. Neurochemical Research 23:121-125. 1998.


Books and Book Chapters


C. Presentations


Luce C, Daniels CK. Cyclic AMP inhibits IL6-dependent cell survival and induces apoptosis in the 7TD1 B cell hybridoma. 7th International Congress on Cell Biology/37th American Society for Cell Biology Annual Meeting. Washington, DC. December 1997.


D. Professional Service

Our faculty hold memberships in the following college, university, local, state, national and international organizations. Positions above membership are noted.

College of Pharmacy Service

Daniels CK
ACPE Accreditation Self-Study Organization & Administration Subcommittee
ACPE Accreditation Self-Study Steering Committee, Co-chair
Administrative Council
Graduate Education & Faculty Research Affairs Committee

Diedrich D
ACPE Accreditation Physical, Clinical, Library & Financial Resources Self-Study Subcommittee

Isaacson EI
AACP Accreditation Curriculum & Degrees Self-Study Subcommittee
Nontraditional Pharm.D. Admissions Committee
Student Affairs Committee
Scholarship Subcommittee

Jarvi EJ
ACPE Accreditation Experimentation & Evaluation Self-Study Subcommittee, Chair
Administrative Council
Assessment Committee
Faculty Affairs Committee, Chair

Nontraditional Pharm.D. Program Policies & Procedures Committee
Pharmacology/Pharmaceutics Faculty Search Committee, Chair
PSCI Graduate Program Documentation Revision Committee
Student Affairs Admissions Subcommittee
WebStudies

LaHann TR
ACPE Accreditation Curriculum & Degrees Self-Study Subcommittee
Graduate Student Admissions Committee
Library Liaison, College of Pharmacy
Pharmacy Faculty Affairs Committee
Student Affairs Admissions Subcommittee
Technology Committee

Lai CKJ
ACPE Accreditation Self-Study Faculty & Professional Staff Subcommittee, Chair
Assessment Committee
Graduate Student Admissions Committee
Pharmacology/Pharmaceutics Faculty Search Committee
Student Affairs Committee

Mobley WC
ACPE Accreditation Experimentation & Evaluation Self-Study Subcommittee
Curricular Affairs Committee
Faculty Affairs Committee
Pharmacology/Pharmaceutics Faculty Search Committee
Student Grade Petition Ad Hoc Committee, Chair

Nelson C
ACPE Accreditation Self-Study Student Affairs Subcommittee
Curricular Affairs Committee
Student Affairs Committee

Ratka A
ACPE Accreditation Physical, Clinical, Library & Financial Resources Self-Study Subcommittee
Curricular Affairs Committee
Graduate Education & Faculty Research Affairs Committee, Chair

Wilson CW
ACPE Accreditation Self-Study Faculty & Professional Staff Subcommittee
Graduate Education & Faculty Research Affairs Committee
Graduate Student Admissions Committee
Pharmacology/Pharmaceutics Faculty Search Committee
PSCI Graduate Program Documentation Revision Committee
PSCI Murdock Grant Committee
Technology Committee
University Service

Daniels CK  
Biosafety Committee

Diedrich D  
Biosafety Committee  
Judiciary Committee

Jarvi EJ  
Animal Welfare  
ISU Faculty Senate

LaHann TR  
Non-Pharmacy graduate committees, Graduate School Representative  
Research Coordinating Council

Lai CKJ  
Asian Student Association, Advisor  
Hazardous Waste Management Council  
Joint Biology Research Facility Group  
Molecular Core Research Group  
Promotion & Tenure Committee of Dr. Stephen Dunn (Business) and Dr. Solomon Leung (Engineering)  
Speakers & Artists Committee

Mobley WC  
Academic Standards Council

Ratka A  
Biosafety Committee  
Faculty Advisory Group to the President  
Faculty Research Committee  
Graduate Council  
Graduate Programs Standards Committee  
Radiation Safety Committee  
Student Support Services (TRIO)

Wilson CM  
ISU Professional Women  
Molecular Core Research Facility Group  
Professional Policies Council

Local, State & Regional Service

Daniels CK  
American Heart Association, Idaho/Montana Affiliate, Research Committee  
Mountain States Medical Research Institute, Research Committee

Issacson EI  
American Chemical Society  
Eastern Idaho Chapter

Jarvi EJ  
Idaho Science Teacher Association  
Southeastern Idaho Pharmacists Association

Ratka A  
Idaho Coalition for Cancer Pain Relief, President  
Idaho Society of Health-System Pharmacists  
Southeastern Idaho Pharmacy Association

Wilson CM  
Mountain States Medical Research Institute

National & Nonregional Service

Daniels CK  
American Association for the Advancement of Science  
American Association of Colleges of Pharmacy  
American Society for Pharmacology & Experimental Therapeutics  
Sigma Xi  
Society for Experimental Biology & Medicine  
Society for Mucosal Immunology

Diedrich D  
American Association for the Advancement of Biotechnology  
American Society for Microbiology

Issacson EI  
American Chemical Society  
Medicinal Chemistry Division  
Kappa Psi  
Phi Delta Chi  
Phi Kappa Delta  
Phi Lambda Upsilon  
Rho Chi  
United States Pharmacopoeia, ISU Faculty Representative

Jarvi EJ  
American Association of Colleges of Pharmacy  
American Association of Pharmaceutical Scientists  
American Chemical Society  
American Pharmaceutical Association  
American Society for Mass Spectrometry  
Association of Official Analytical Chemists  
Rho Chi  
Sigma Xi  
Society for Experimental Biology & Medicine

LaHann TR  
American Association for the Advancement of Science  
American Association of Colleges of Pharmacy  
American Heart Association  
Society for the Neurosciences  
Western Pharmacology Society
Lai CKJ
American Society for Neurochemistry
American Society for Pharmacology & Experimental Therapeutics
Rho Chi
Sigma Xi

Mobley WC
American Association of Colleges of Pharmacy
American Association of Pharmaceutical Scientists
Kappa Psi
Rho Chi

Nelson C
American Association for the Advancement of Science
American Association of Colleges of Pharmacy
American Society for Neurochemistry
Behavioral Toxicology Society
Bioelectromagnetics Society
Western Pharmacology Society

Ratka A
American Association of Colleges of Pharmacy
American Association of Pharmaceutical Scientists
American Pain Society
American Pharmaceutical Association
American Society of Health-System Pharmacists
Kappa Psi
Rho Chi
Sigma Xi
Society for Neuroscience

Wilson CM
American Association for the Advancement of Science
American Association of Colleges of Pharmacy
American Society for Neurochemistry
Behavioral Toxicology Society
Bioelectromagnetics Society
Western Pharmacology Society

International Service

LaHann TR
International Society for Neutron Capture Therapy

Lai CKJ
International Society for Neurochemistry, Organizing & Program Committee, 4th International Conference on Brain Energy Metabolism

E. Grants

Daniels CK. A molecular approach to understanding the regulatory interaction of cAMP on Interleukin 6 activation at the junB gene promoter. NSF-EPSCoR. $6,000. 7-1-96 to 11-30-97.

Daniels CK. Generation of Interleukin 6 signal transduction mutants: A novel genetic approach to the study of pathways regulating junB gene expression. ISU-University Research Committee. $5,400. 6-1-96 to 5-31-98.

Daniels CK. Identification and characterization of Interleukin 6 and cyclic AMP responsive genes controlling programmed cell death. ISU-Faculty Research Grant. $4,000. 12 15-97 to 12-14-98.

Diedrich DL. Enhanced core research laboratories at Idaho universities. NIH-IDeA program. $600,000 (3 years). 10/96.

LaHann TR. Boron neutron capture therapy for cancer. The Hiram Cochran Fund of the Metropolitan Atlanta Community Foundation. $15,000. 1997.

LaHann TR. Computer modeling of the biological effects of low energy fast neutrons. ISU University Research Committee. $10,945. 1997.


LaHann TR. Improvements in clinical experimental design: Manufacture and evaluation of placebo formulations that mimic the sensory attributes and feel of commercially available topical capsaicin preparations. ISU Faculty Research Committee. $3,200. June 1998.

Lai JCK. Chronic hypoxia: Cellular and molecular mechanisms. (Consultant/collaborator. Program Project at Yale University School of Medicine; Program Director, Dr. Gabriel G. Haddad) National Institutes of Health. $7,500,000.* 1994 - 1999.

Lai JCK. GABA metabolism and seizure disorders. (Consultant/Collaborator. Principal Investigator: Dr. Kevin L. Behar, Yale University School of Medicine) National Institutes of Health. $1,060,000.* 1995 - 2000.
**Lai JCK.** Isolation and characterization of mitochondria from developing brain. Faculty Research Committee. Idaho State University. $4,122. 1995 - 1997.


* Funding not awarded to ISU

**F. Community Service**

**Diedrich D**
Special Education Parents’ Working Group

**Jarvi EJ**
Director of Recreation Soccer
Idaho Youth Soccer Association. Pocatello, ID

**Mobley WC**
Gate City Youth Soccer League Coach Pocatello. ID. 1997

**Ratka A**
Soroptimist International of Pocatello, ID. 1997
Pocatello Free Clinic. Pocatello, ID. 1997

**Wilson CM**
American Diabetes Association, Pocatello, ID, Chapter. Member and Chair. 1997.

**G. Peer Reviewers & Editorial Positions***

**Daniels CK**
In Vitro Cellular & Developmental Biology
Journal of Pharmacology and Experimental Therapeutics

**Diedrich**
The Canadian Journal of Microbiology

**Jarvi EJ**
International Journal of Pharmaceutical Compounding
Pharmaceutical Research

**LaHann TR**
The Annals of Pharmacotherapy
Journal of Pharmacy Technology

**Lai JCK**
Developmental Neuroscience
Metabolic Brain Disease, Editorial Board
Neurochemical Research, Editorial Board
Neuroscience Letters
Neurotoxicology

**Mobley WC**
The International Journal of Pharmaceutical Compounding

* reviewer unless otherwise stated

**H. Awards and Other Noteworthy Accomplishments**

**Daniels CK**
1998 College of Pharmacy Teacher of the Year – P1 Class

**Isaacson EI**
American Men and Women of Science. Listed. 1997
1998 College of Pharmacy Teacher of the Year – P2 Class

**LaHann TR**

**Lai JCK**
1998 Idaho State University Master Teacher

**Ratka A**
1998 Most Influential Professor Award

**Wilson CM**
Community Service Award, Blackfoot, ID. High School. January 1998
Appendix III

Externship Sites and Site Coordinators

Albertson’s Pharmacy #154, Dennis Beach, R.Ph., Boise, ID
Albertson’s Pharmacy #157, Ron Carpentier, R.Ph., Boise, ID
Albertson’s Pharmacy #101, Michael Griffiths, R.Ph., Boise, ID
Albertson’s Pharmacy #102, Jim Miller, R.Ph., Nampa, ID
Albertson’s Pharmacy, Toni Oberriter, Pharm.D., Reno, NV
Albertson’s Pharmacy #159, Mike Sanders, R.Ph., Pocatello, ID
Albertson’s Pharmacy #169, Darrell Sterling, R.Ph., Boise, ID
Boise Veterans Affairs Medical Center, Jan Poreba, R.Ph., Boise, ID
Boise Veterans Affairs Medical Center, Frank Talboy, R.Ph., Boise, ID
Carrs Foodland Pharmacy, Roger Penrod, R.Ph., Fairbanks, AK
Coram Health Care, MaryBeth Vlieg, Pharm.D., Reno, NV
Cottonwood Hospital Medical Center, Michael Carnley, Pharm.D., Murray, UT
East Gate Drug, Doug Smith, R.Ph., Idaho Falls, ID
Ed Snell’s Pharmacy Shop, Ed Snell, R.Ph., Pocatello, ID
Fred Meyers MI/PRx, Stan Gibson, R.Ph., Meridian, ID
Idaho Care Systems, Shawna Kittredge, R.Ph., Boise, ID
Kootenai Medical Center, Don Klaudt, R.Ph., Coeur D’Alene, ID
Kurt’s Pharmacy, Kurt Hefner, R.Ph., Twin Falls, ID
Max Pharmacy, Gordon Milford, R.Ph., Boise, ID
Medicine Man West Pharmacy, Don Smith, R.Ph., Post Falls, ID
The Medicine Shoppe, Kirk Wentworth, R.Ph., Carson City, NV
Medisave Pharmacy, Rachelle Spiro, R.Ph., Las Vegas, NV
Mercy Medical Center, Dick Bloomer, R.Ph., Nampa, ID
Mountain Home Airforce Base, Cpt. Ron Stumbo, Mountain Home, ID
Naval Medical Center, Mike Lovetro, R.Ph., San Diego, CA
PayLess Drug Store, Frank Casabonne, R.Ph., Boise, ID
PayLess Drug Store, Jeff Geiger, R.Ph., San Diego, CA
PHS Indian Health Services, Alvin Lee, R.Ph., White River, AZ
Professional Center Pharmacy, Howard Green, R.Ph., Reno, NV
Rainbow Medical, Richard Nicholas, Pharm.D., Henderson, NV
Ream’s Pharmacy, Robert Holbeck, R.Ph., Sandy, UT
Reno Veterans Affairs Medical Center, Bob Jacobs, R.Ph., Reno, NV
Rockland Pharmacy, Rod Tucker, R.Ph., American Falls, ID
St. Alphonsus Regional Medical Center, Boyd Jeffery, R.Ph., Boise, ID
St. Luke’s Regional Medical Center, Jim Francis, R.Ph., Boise, ID
Silverada Pharmacy, Larry Pinson, Pharm.D., Reno, NV
Smith’s Food & Drug, Bruce Bilodeau, R.Ph., Salt Lake City, UT
Smith’s Food & Drug, Bill Johns, R.Ph., Chubbuck, ID
Smith’s Food & Drug, Allen Maxwell, R.Ph., Burley, ID
State Board of Pharmacy, Marion Bowen, R.Ph., Downey, ID
Super Save Discount Drug, Lorri Gebo-Shaver, Pharm.D., Pocatello, ID
Teton Clinical Pharmacy, Ty Swensen, Pharm.D., Idaho Falls, ID
Teton Clinical Pharmacy, Brandy Young, R.Ph., Idaho Falls, ID
Twin Falls Clinic and Hospital, Robert F. King, R.Ph., Twin Falls, ID
Village East Drugs, Scott Silber, R.Ph., Henderson, NV
Wal-Mart Discount, Teri Wiege, R.Ph., Idaho Falls, ID
Wal-Mart Discount, Kristina Wilson, Pharm.D., Chubbuck, ID
Washoe Medical Center, Jeff Monaghan, Pharm.D., Reno, NV
Westgate Pharmacy, Tom Snow, R.Ph., Las Vegas, NV
Clerkship Sites and Preceptors

Amarillo Veterans Affairs Medical Center, Jack Gillum, Pharm.D., Amarillo, TX
Amarillo Veterans Affairs Medical Center, Evan Sorrells, Pharm.D., Amarillo, TX
Bannock Regional Medical Center, Marilyn Silcock, Pharm.D., Pocatello, ID
Boise Veterans Affairs Medical Center, Marcus Cook, Pharm.D., Boise, ID
Boise Veterans Affairs Medical Center, Sandra Sie, Pharm.D., Boise, ID
Boise Veterans Affairs Medical Center, Karl Madaras-Kelly, Pharm.D., Boise, ID
Boise Veterans Affairs Medical Center, Barbara Mason, Pharm.D., Boise, ID
Family Practice Group, Patricia Bartlome', Pharm.D., Pocatello, ID
Family Practice Medical Center, Roger Hefflinger, Pharm.D., Boise, ID
Fort Hall Indian Health Service, Tom Troshynski, Pharm.D., Fort Hall, ID
High Plains Baptist Hospital, Lori Henke, Pharm.D., Amarillo, TX
High Plains Baptist Hospital, Scott Soefje, Pharm.D., Amarillo, TX
Idaho Drug Information Service, Jan Beckwith, Pharm.D., Pocatello, ID
ISU College of Pharmacy, James Lai, Ph.D., Pocatello, ID
ISU College of Pharmacy, Brenda Story-Phelan, Pharm.D., Pocatello, ID
ISU Family Medicine Clinic, Rex Force, Pharm.D., Pocatello, ID
Idaho Veterans Affairs Nursing Home, Richard Rhodes, Pharm.D., Pocatello, ID
Kaiser Permanente, Norman Muilenburg, R.Ph., Clackamas, OR
Magic Valley Regional Medical Center, Randy Hart, R.Ph., Twin Falls, ID
Magic Valley Regional Medical Center, Dennis Sawyer, Pharm.D., Twin Falls, ID
Mercy Hospital & Medical Center, Robert Pachorek, Pharm.D., San Diego, CA
Naval Medical Center, Margaret Cording, R.Ph., San Diego, CA
Naval Medical Center, Carolynne Gate, Pharm.D., San Diego, CA
Naval Medical Center, Edith Lee, Pharm.D., San Diego, CA
Naval Medical Center, Todd Schinohara, Pharm.D., San Diego, CA
Nevada Mental Health Institute, John Warren, Pharm.D., Sparks, NV
Pocatello Children & Adolescent Clinic, John Erramouspe, Pharm.D., Pocatello, ID
Pocatello Regional Medical Center, Paul Driver, Pharm.D., Pocatello, ID
Reno Veterans Affairs Medical Center, Jan Carmichael, Pharm.D., Reno, NV
Reno Veterans Affairs Medical Center, Michael Stander, Pharm.D., Reno, NV
Reno Veterans Affairs Medical Center, Susanne Thornley, Pharm.D., Reno, NV
Reno Veterans Affairs Medical Center, Kari Wieland, Pharm.D., Reno, NV
St. Alphonsus Regional Medical Center, Tami Eide, Pharm.D., Boise, ID
St. Alphonsus Regional Medical Center, Joy Matsuyma, Pharm.D., Boise, ID
St. Luke’s Regional Medical Center, Shirley Reitz, Pharm.D., Boise, ID
Southeast Idaho Veteran Affairs Ambulatory Clinic, Frederica Gould, M.S., Pocatello, ID
State Hospital South, Steve Hurley, Pharm.D., Blackfoot, ID
University of Nevada Medical Center, Wendy Cantrell, Pharm.D., Las Vegas, NV
University of Nevada Medical Center, Shannon Coonce, Pharm.D., Las Vegas, NV
University of Nevada Medical Center, Dennis Fuller, Pharm.D., Las Vegas, NV
University of Nevada Medical Center, Lori Isaacs, M.H.A., R.Ph., Las Vegas, NV
University of Nevada Medical Center, Gail Sieren, Pharm.D., Las Vegas, NV
University of Nevada Medical Center, Mary Staples, R.Ph., Las Vegas, NV
Washoe Medical Center, Jerry Cliffored, Pharm.D., Reno, NV
Washoe Medical Center, Robert Fox, Pharm.D., Reno, NV
Washoe Medical Center, Bryon Pinson, Pharm.D., Reno, NV
Washoe Medical Center, Pat Weir, Pharm.D., Reno, NV
Credits
This report was designed, compiled and produced, under direction of Dean Barbara Wells, by Margo Lasky with inputs from the Idaho State University College of Pharmacy faculty and administrative staff, the ISU Foundation, University Relations, and Office of Sponsored Programs. Photographs by Susan Duncan and ISU Photographic Service, pre-press management by Amy Smith, and printing by the ISU School of Applied Technology, Graphic Arts/Printing Technology department.
*Pharmaceutical Basis of Cancer Chemotherapy *
*Pathophysiology and Therapeutics I, II *
*Pediatrics Clerkship *
Pharmaceutical Care I, II
*Pharmaceutics I, II, III *
Pharmacology I, II, III *
Pharmacotherapeutics for Nurse Practitioners *
Pharmacy Law *
Pharmacy Management *
Principles of Toxicology *
Professional Student Seminar *
Research Foundation in Pharmaceutical Sciences *
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Toxicology *