



# CONNECTIONS

## Master Gardeners

*have been helping improve communities for 25 years.*

*Story, page 11*

China—The New Market.

*Story, page 9*

Plus, the Honor Roll of Donors

Is your name listed?

Check on page 16.

Washington State  
University





## FROM THE ALUMNI BOARD PRESIDENT

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*Keep the Alumni Voice Alive through  
Alumni and Friends*

This is the third edition of the president's column for me. It has been exciting to watch the evolution of the Alumni Board during my term as president. We are a dynamic and focused group of volunteers who enjoy giving back as much energy to the College of Agriculture and Home Economics as we probably took away during our tenure as students. I am proud to say that we are the most active alumni group on the "Hill," with thanks going out to all of our alumni who attended our annual events around the state.

As you know, we have focused heavily on the process of creating a vision during the past year. I am proud to say that we are now implementing the first of many programs aimed at enhancing CAHE recruitment efforts to attract some of the best students in the state to Washington State University. We

are accomplishing this through stronger relationships with WSU's administration and academic programs, and by identifying recruitment events that we as a board can actively sponsor on an ongoing basis. I will report on our progress in the next president's column, so keep reading!

I would also like to remind everyone about upcoming events. Our annual summer barbecue in Prosser will take place June 13. Please make plans to come visit and meet the Alumni Board. Most importantly, please keep in mind that Land Grant Day will be Saturday, October 10, this fall. It's just around the corner, so get on the horn and reserve your space in town soon.

See you in June!  
Mike Dalziel  
President, CAHE Alumni and Friends



### DATES TO REMEMBER

April 29-30	Diamond (1938) and Golden (1948) Grad Reunions
May 9	WSU Graduation Commencement
May 27-28	Sixth Annual Food Safety Farm to Table Conference
June 13	CAHE Barbecue in Prosser
August 24	Classes Begin
October 10	Land Grant Day (WSU Homecoming)

*On the Cover: Master Gardener volunteers Marcia Dombrosky of Lakeland and Robert Sweet of Parkland, along with his son Ian, enjoy time in the Master Gardener Demonstration Garden at WSU Puyallup.*

## Changes at CAHE's Alumni and Development Office

**Departing Development Coordinator**  
Elizabeth Peterson, who served as WSU's College of Agriculture and Home Economics development coordinator since August 1995, left in January 1998. She is now the assistant director of admissions at Central Washington University.

During her time at the college, Peterson was successful in increasing scholarship endowments, improving communication and awareness of the development office, and giving this magazine, *Connections*, a new look and expanded scope.

"I loved working for CAHE," said Peterson. "The faculty and department chairs were great mentors to me and the staff a joy to work with."

The position at CWU was a natural next step for Peterson, who enjoys working with students and helping them attain their educational goals. She is a strong believer in the state's public school system, especially higher education. "I believe any student with the desire deserves an opportunity to go on for a post-secondary degree," she said.

At Central, Peterson said she will have the opportunity to work with both high school and community college students, as well as returning professionals who wish to further their careers through a higher education degree or certificate.

### New Interim Alumni and Development Assistant Director

Patrick Kramer has taken over Elizabeth Peterson's position at CAHE, and is



Patrick Kramer

currently the interim assistant director of alumni and development for the college. He brings with him four years of alumni and development experience from WSU, three years coming from the College of Engineering and Architecture (CEA) as a development coordinator. Kramer received his bachelor's degree in psychology, with a minor in business administration from WSU in 1992.

According to a colleague, Kramer personifies the prototypical Cougar. "He has an unsurpassed enthusiasm for Cougar sports and alumni networks," says Nancy Gould-Hillard, editor of *Innovations*, CEA's alumni magazine. "During the past three years, he put his energy and spirit behind alumni and development work for the College of Engineering and Architecture. He ran the college's annual giving program and assisted with many major gifts during Campaign WSU."

For the College of Agriculture and Home Economics, Kramer will continue to rally the spirits of WSU alumni and friends around the state and region. With new promotional plans, he hopes to increase the number of scholarships throughout the college and build upon CAHE's strong development foundation. The college seeks to raise between \$8 and 9 million annually in private gifts and grants.

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## CONTENTS

Around the College	2-7
Making a Difference in Students' Lives	8
The Expanding China Market	9
Diets Often Deficient in Vitamin B-6	10
<b>Cover Story</b>	<b>11-13</b>
The Master Gardener Program Celebrates 25 Years	
Perennial Wheat	14
Alumni Notes	15
1996-97 CAHE Honor Roll of Donors	16-20
Dean's Message	21

## C O N N E C T I O N S

Issue Number Two

*Connections* is published two times a year by the College of Agriculture and Home Economics Alumni and Development Office. Readers are encouraged to share their ideas for articles and to contribute items by writing to:

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**Mission:** The College of Agriculture and Home Economics Alumni Board of Directors is the catalyst for uniting prospective students, current students, the college administration, faculty and staff, industry, and alumni while upholding WSU's land grant mission.

# AROUND THE COLLEGE

## AGRICULTURAL ECONOMICS

**Richard Shumway** became the new chair of the Department of Agricultural Economics on March 1, 1998. Shumway had been with the Department of Agricultural Economics at Texas A&M University since 1974. He is also the president of the American Agricultural Economics Association for 1998-99.

**Leroy Blakeslee** retired July 30, 1997. He had been with the department since September 1967.

**Timothy Dufault**, senior in agribusiness, was one of four WSU undergraduates to receive the Best University Writing Portfolio Award for fall 1997.

## ANIMAL SCIENCE

The new animal science laboratory building on the Pullman campus was dedicated last fall. In addition to laboratories, it also houses offices for the animal science faculty and staff. It is connected to Clark Hall by a second story skybridge.

**Raymond W. Wright, Jr.** has been appointed chair.

## COOPERATIVE EXTENSION

### Spanning a Lifetime, Harry Burcalow Retires

The primary purpose of Cooperative Extension is to help people. Harry Burcalow, who retired as associate dean and associate director of Cooperative Extension at Washington State University this past January, has been the ideal helmsman—embracing that philosophy wholeheartedly.

"I enjoy working with people," said Burcalow. "I realized that the first year I became a county agent in Minnesota at the age of 28."

And it has never wavered, even as he climbed the ranks into administration. The fundamental satisfaction is still the same, he says. "As a manager, I've enjoyed being able to create opportunities for people to become successful in their jobs and careers," Burcalow said. "I try to create an environment for them to operate fairly freely so they can succeed."

Pat BoyEs, state 4-H program leader, worked with Burcalow for the past 12 years and observed his management style firsthand. She greatly admired it. "Harry does an extremely good job listening to everyone's concerns," said BoyEs. "He treats people with respect and always wants to do what's right. He is probably the most honest, ethical, caring person of any administrator that I've ever worked

with and we will all miss that very much."

Sally Horton, Cooperative Extension's current interim associate dean and long-time colleague of Burcalow's, concurs.



Harry Burcalow

"Harry is a very kind, unselfish person, who is always looking for the positive side in people," Horton said. "And he was very loyal to the College, even during difficult times. He was good at keeping us together as a team."

Burcalow arrived at WSU in 1985, after serving 21 years on the University of Minnesota's extension faculty. At WSU, Burcalow was the assistant director of Cooperative Extension for agriculture and natural resources from 1985 to 1993. He then became interim director of Cooperative Extension programs in 1993 until 1995, at which time he became the associate dean. Burcalow retired January 30, 1998.

Although Burcalow has left Cooperative Extension behind him, he is still dedicated and passionate about helping others. Soon after retiring, he left for Mexico with the United Methodist Church to help build houses for the homeless. When he returns he plans to get involved in his community of Spokane, where his wife still teaches at Gonzaga University. "I need to give to my community," Burcalow says. "I want to work with the chamber of commerce and keep

my ties to agriculture by joining the Ag Bureau. I may even become a Master Gardener."

*An endowment for 4-H Program Innovations has been set up with the Washington State 4-H Foundation to establish a special acknowledgment of Dr. Burcalow's 33 years of dedicated service to the land-grant system. For more information, please contact Linus Tumbleson, Executive Director, Washington State 4-H Foundation at 253-445-4560.*

## AROUND THE COLLEGE

Assistant Professor and Equine Specialist **Betsy Greene** received the Equestrian Educator of the Year Award from the American Association for Horsemanship Safety, Inc. at the National Conference of the American Camping Association in Dallas, Texas.

**Dan Caldwell**, farm services manager, received the 1997-98 Employee Excellence Award.

Graduate student **Todd Schwegel** won the Graduate Student Poster Competition at the Pacific Northwest Nutrition Conference. Graduate student **Jean Soon Park** won the poster competition at the fourth Gordon Research Conference on Carotenoids. Graduate student **Greg Sample** received the Teaching Assistant Excellence Award at the annual Graduate Student Appreciation Luncheon this spring.

**Jaye Jaye Talbot**, a junior in animal sciences, was one of four WSU students selected for Best University Writing Portfolio.

### APPAREL, MERCHANDISING AND INTERIOR DESIGN

The Interior Design Program was recently named one of the top ten programs of its kind in the United States and Canada by the International Interior Design Association.

The Apparel, Merchandising, and Textiles Program is currently working with the University of Idaho, Oregon State University, and Central Washington University to develop an Internet-based web site for internship opportunities and is part of a \$320,000 grant.

**Deborah Brooks** is serving as interim chair for the department.

**Michael Culpepper**, assistant professor of interior design in Pullman, and **Greg Tew**, assistant professor of interior design at WSU Spokane, recently finished building a bus stop shelter on the Palouse, located north of Moscow. It was

completed off-site using techniques similar to furniture making more than architecture.

### BIOLOGICAL SYSTEMS ENGINEERING

The new Water and Waste Analysis Laboratory is now fully functional and ready to take samples for analysis. The laboratory can conduct a number of tests, such as determining the presence of coliform in water.

**Brian Leib** has joined the department and will be working in Prosser as an irrigation specialist. He came from Pennsylvania State University where he completed his doctoral thesis on application of insecticides via drip irrigation under plastic mulch. Before beginning his Ph.D. program, he was a Cooperative Extension agent specializing in irrigation at Colorado State University.

### COOPERATIVE EXTENSION

Governor Gary Locke proclaimed April 12-18, 1998, as "Washington State University Master Gardeners Week." The program celebrated the 25th anniversary of its creation by WSU's Cooperative Extension.

**Joanne Ross** became Pierce County chair in March. She was adviser to the Pierce County clothing and textile advisers and chair of the Sewing and Stitchery Expo. Ross has a B.S. in home economics education from WSU and an M.A. in clothing and textiles from Michigan State University.

**Juana Royster**, currently chair of WSU Cooperative Extension—King County, will leave that position June 30 to become minority health area specialist. The King County position will be filled by a national search.

**Marilynne Ross**, faculty member for many years in King County and leader of the Extension Family and Nutrition Education Program in King and Snohomish counties, retired January 30.

### CROP AND SOIL SCIENCES

**Dwane Miller** was the 1997 O.A. Vogel/WSCIA Award recipient. This award acknowledged Miller's outstanding commitment to the pure seed program at WSU and for establishing strong support for the Washington state seed industry.

**Alan Busacca** was the 1996-97 Academic Adviser of the Year for WSU, awarded by the WSU Chapter of the Golden Key National Honor Society for working with and advising graduate students.

Student **Tobin O'Geen** was awarded a 1997-98 GPSA Teaching Assistant Excellence Award. He will be honored at the Annual GPSA Graduate Student Appreciation Banquet March 24 in the CUB Cascade Room.

**Ann Kennedy**, adjunct faculty in the department and USDA-ARS soil scientist research leader, was awarded the "Superintendent's Contribution Award" by the Pullman school district superintendent this spring. The award acknowledges her unselfish contribution of time, talent, and commitment toward excellence of education in the Pullman schools. Kennedy coordinates a program involving undergraduate and graduate students who work with secondary school students to understand the importance of soils and the role they play in growing plants. She also helps teach the science curriculum for the first grade at Sunnyside School in Pullman.

### ENTOMOLOGY

**John Brown** and **Jay Brunner** traveled to Chile in January where they presented a short course to representatives of the tree fruit industry. They were joined by **Garrell Long**, who remained in Chile for four months. Long is spearheading a cooperative grant between WSU and the University of Chile toward developing a program in environmental science.

**Gary L. Piper** received a \$50,000 grant from the Washington State Department of Agriculture to investigate the biocontrol of a perennial weed, purple loosestrife, by introducing insects from the plant's native range.

**Alan Berryman** won an award for best researcher, **Gary Piper** for best teacher, **Art Antonelli** won the University Sahlin Award for best outreach effort, **Elizabeth Beers** won the Distinguished Achievement in Extension, **Jay Brunner** received an award for Excellence in IPM, and the J. I. Hambleton Memorial Award for Apiculture went to **Steve Sheppard**.

The Washington tree fruit industry presented **Elizabeth Beers** with their Women's Leadership through Science Award, and the Columbia Basin vegetable seed growers awarded **Dan Mayer** an honorary membership to their organization.

## FOOD SCIENCE AND HUMAN NUTRITION

**Stephanie Clark** joined the department's faculty in January 1998 as assistant professor/scientist. Clark received her B.S. in animal sciences from Cornell University, her M.S. in food science from Cornell, and her Ph.D. in food science with a dairy science emphasis from Cornell. She will concentrate both her teaching and research on dairy products.

**Michelle K. McGuire** will join our faculty in June as assistant professor. McGuire received her B.S. in general biology from the University of Illinois, her M.S. in nutritional sciences from Illinois, and her Ph.D. in human nutrition from Cornell University. In addition to teaching, she will pursue research interests in maternal and child nutrition.

**Barbara Rasco** will join the faculty in June as assistant professor/scientist. Rasco received her B.S.E. from the University of Pennsylvania and her Ph.D. in food science and nutrition (food engineering) from the University of Massa-

chusetts. In 1995 she earned her Juris Doctor degree from the University of Puget Sound. Rasco has been associate professor of food science and technology at the University of Washington. She will teach food chemistry and food analysis and concentrate her research on food processing and safety.

**Dorothy Pond-Smith** was honored with the American Dietetic Association's Dietetic Educators of Practitioners' 1998 Outstanding Dietetics Educator for her Coordinated Program in Dietetics.

## HORTICULTURE AND LANDSCAPE ARCHITECTURE

**William G. Hendrix** has been appointed to serve as department chair.

**Virginia Lohr** and **Caroline Pearson-Mims**, together with John Tarnai and Don Dillman from the Social and Economic Sciences Research Center, have received \$90,698 from the National Urban and Community Forestry Advisory Council for their grant "A Multicultural Survey of the Influence of Childhood Environmental Experiences on Adult Sensitivities."

This spring we welcome two new faculty members to the department.

**Suzanne Lang** will have a research appointment at WSU's Prosser research station and a teaching appointment to support a variety of distance education courses. **Kent Mullinix**, director of the Tree Fruit Production Program at Wenatchee Valley College, will be interacting with WSU on a four-year program at WVC.

## HUMAN DEVELOPMENT

The human development department finished all of the courses for their Extended Degree Program. Upon final approval, the program will be available as a degree option starting in fall 1998.

Two new faculty members were hired to teach in both the department's on-campus and Extended Degree programs.

They are **Sandy Bailey**, who is currently assistant professor of human development and family studies at the University of New Mexico, and **Tom Rane**, who is finishing his Ph.D. in human development and family studies at the University of Illinois.

**Hilary Rose**, a new assistant professor in the department, was nominated for the position of student/new professional in the National Council on Family Relations.

## IMPACT CENTER

Director **Des O'Rourke** delivered the Robert F. Carlson Distinguished Lecture at the 1998 conference of the International Dwarf Fruit Tree Association in Pasco, Washington, February 23, 1998. His topic was "World Apple Marketing Dynamics." O'Rourke also delivered a paper on "The World Apple Variety Outlook."

**Tom Wahl** of the Department of Agricultural Economics and the IMPACT Center recently helped organize a research committee symposium at the East-West Center at the University of Hawaii, Manoa. The focus was "Food Markets in China: New Looks and Deeper Understandings."

**Tom Wahl**, also interim director of the WSU APEC Study Center for Food Systems, recently met with agricultural economics faculty at Maejo University at Chiang Mai, Thailand, to discuss a USDA collaborative project between Maejo, WSU, and China Agricultural University on agribusiness enhancement. He also met with faculty and officials of Kasetsart and Thammasat universities in Bangkok to discuss cooperative relationships with WSU.

HUMAN NUTRITION

Helping Students Learn More Effectively

Why use technology in teaching? For Kathy Beerman, associate professor in the Department of Food Science and Human Nutrition, there are many reasons.

One of WSU's leading proponents of multimedia learning, Beerman has been using technology in the classroom for a number of years now and is sold on it. It has allowed her to teach abstract concepts more effec-

Beerman incorporates computer-based multimedia into her teaching in a number of ways. She uses it in the classroom to help

students visualize concepts so they can more easily understand them. For example, she can show students in animated form how molecules

the **Buzz**  
in Classroom  
Technology



behave in the human body, the significance of their arrangement, and the function they serve.

In addition to lecture application, Beerman has a comprehensive web site for each of her classes that includes office hours, syllabus, class

tively, provide more interactive learning experiences, and better prepare students for jobs in an ever-growing high-tech society. And it definitely has had an effect on grades.

"Students have done significantly better on test scores since I've used computer technology in the classroom," Beerman said. "The students who have been helped the most are those who typically score in the 'C' range and below. 'A' students will be 'A' students regardless of how we teach them, but students who have difficulty with the course content have greatly benefited. We have fewer students who fail and fewer who drop out."

*"We have fewer students who fail and fewer who drop out."*

**KATHY BEERMAN**

notes, interactive practice tests, and e-mail so students can contact her anytime with their questions. Her web

sites are used by about 80 percent of her students, she says.

Beerman also has her students design their own computer presentations on a nutrition topic as a

class project. The projects are eventually demonstrated at local hospitals and senior centers. Through their presentations, Beerman says students not only learn the topic more thoroughly, but they also learn the technology and how to use it. And they have a lot of fun in the process.

INSTITUTE OF BIOLOGICAL CHEMISTRY

Two new faculty members and their laboratories joined the Institute in 1997: **James C. Carrington**, a plant virologist and biochemist from Texas A & M University, and **John C. Rogers**, a plant biochemist from the University of Missouri—Columbia.

**Rodney Croteau** was elected to the National Academy of Sciences at its 134th annual meeting. Croteau was praised for his "ingenious and creative



*Rodney Croteau was elected to the National Academy of Sciences. He is one of four members from the College of Agriculture and Home Economics.*

research [which] has defined the stereochemical mechanism for the biosynthesis of monoterpenes." Currently, WSU has six NAS members, four of whom are in the College of Agriculture and Home Economics.

**John A. Browse**, professor of biochemistry, was named co-chair of the graduate program in plant physiology, along with Howard D. Grimes, professor of botany in the College of Sciences.

**David Gang**, a graduate student in plant physiology, received the first

## HUMAN DEVELOPMENT

### A Picture Goes a Long Way

When computer technology is used as a teaching aid, students learn faster, but more importantly it stays with them longer. That is the impression of Randal Day, professor in WSU's Department of Human Development. He says his students come back to him years later and say they still have a picture of a certain concept that they learned through his class's computerized animated images and "it never goes away."

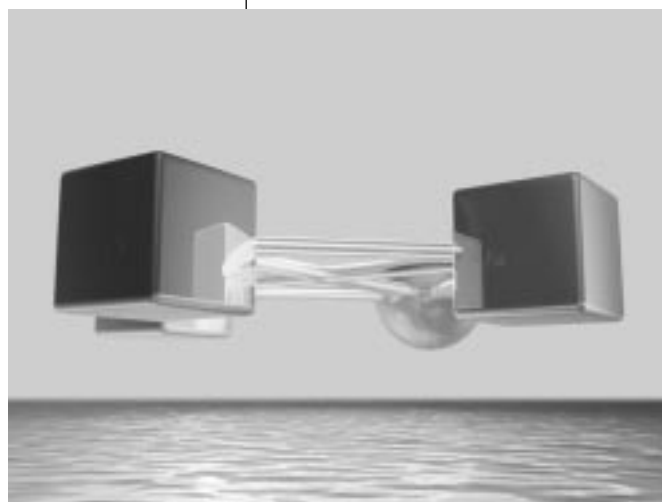
For his Human Development 204 course, Family Systems, Day has created a series of pictures and animations that creatively illustrate key constructs. They are used to help students understand some of the difficult

principles in his class. For example, he uses various shapes of boxes connected by bars in a molecular form to illustrate family ties and how they evolve in various ways. Students can easily see the process through his computer-generated images.

While Day is busy creating even more visuals for his class, his ultimate goal is to develop a "learning mine" in

cyberspace. He wants his students to have access to a lifelong resource, encompassing everything in all WSU's Human Development curriculum covering family issues. "All the principles the students learn, the self-analysis, the animations used to illustrate concepts, and extensive bibliographies and

the **Buzz**  
in Classroom  
Technology



resource links will eventually be represented on this web site," said Day. "Then when students are out working, they will have a repository of ideas available that they can always refer back to and even "chat" with other people in the profession about certain topics. That's my long-range goal in using technology in the learning process."

American Chemical Society Award from the Cellulose, Paper and Textile Division for his research in the laboratory of Norman G. Lewis. This was a cash award of \$2,000.

Four graduate students were awarded Loyal H. Davis Fellowships for the 1997-98 academic year: **Aldwin Anterola** (graduate student in plant physiology in the lab of Norman G. Lewis); **Steven Fischer** (graduate student in biochemistry in the lab of John A. Browse); **Michael Phillips** (graduate student in biochemistry in the lab of Rodney Croteau); **Peter Salamone** (graduate student in genetics and cell biology in the lab of Thomas W. Okita).

## NATURAL RESOURCE SCIENCES

The Department of Natural Resource Sciences received a number of grants and awards this year. Some of the larger ones follow. **Robert Wielgus** and **Mary Searchfield**, M.S. candidate, were awarded a three-year, \$69,000 grant and in-kind contributions of \$192,000. They will study the effects of mule deer habitat use on cougar predation of endangered mountain caribou. **Barry Moore** and **Edward Martinez**, Ph.D. candidate, were awarded a three-year \$125,661 grant from the U.S. Environmental Protection Agency to study teratogenicity of heavy metals to larval chironomids in the Coeur d' Alene River and Lake. **Robert Wielgus** and **Gail Collins**, M.S. candidate, were awarded \$38,427 from the Washington Cooperative Fish and Wildlife Research Unit, School of Fisheries, University of Washington. They will study the behavioral ecology of black bear feeding damage on conifers in private industrial forest lands in the Snoqualmie area of Washington state.

**Brandon Coville**, natural resource sciences forestry student, is the recipient of the Inland Empire Society of American Foresters Award.



## AROUND THE COLLEGE

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### PLANT PATHOLOGY

**Jack D. Rogers** and research associate **Yu Ming Ju** have developed a web-based key to several genera of the Xylariaceae. The key is located at: <http://plantpath.wsu.edu/xylariaceae/default.asp>.

**Charles Gardner Shaw**, long-time faculty member and chair, died at his home in February. **Charles "Chuck" Gould**, formerly of the Puyallup unit, died in January at the home of a son in Arizona.

### RURAL SOCIOLOGY

Effective August 1998, the department has a new minor in community studies. It is designed to help students increase their knowledge of broad forces affecting community change, why community development efforts succeed or fail, how different kinds of policies are formed and their impact on local areas, how to

communicate and work with diverse groups, and how to resolve controversial local issues. It is intended to help pre-prepare students to effectively live and work in communities, both in the U.S. and abroad, and to provide them with the necessary skills to influence community development and change.



*This \$8.1 million, state-of-the-art plant growth wheat research facility has been completed on the Pullman campus and houses six offices, two experiment preparation rooms, 14 controlled-environment growth chambers, and 11 growth rooms. A greenhouse connected to the building covers almost a half acre of glass and will enable*

*scientists to grow plants year-round and test four generations of wheat in one year versus one generation in the field. The Washington Wheat Commission gave a \$1 million gift which enabled the college to leverage federal and state sources to help fund the facility.*

## Making a Difference in Students' Lives



Maureen Sprague

Helping people who live with diabetes lead healthier and longer lives—that is the goal of Maureen Sprague, a master's candidate in WSU's human nutrition department.

"Diet and exercise are critical in controlling adult-onset diabetes," says Sprague. "Unfortunately, many don't achieve these goals to ensure their good health."

This spring, Sprague will survey 250 people with diabetes in the Inland Northwest. She wants to find out what goals they set for themselves with the help of diabetes educators and determine if they succeeded in achieving them. With her research, Sprague hopes to help improve the diabetes education process. Her research is being supported by a fellowship from the Margaret Nicholson Schafer Graduate Fellowship in Human Nutrition.

"It would not have been possible for me to do my research without the Schafer Scholarship," Sprague says. "Many of the scholarships available are for large research projects and the competition at the national level is intense. There has been a need for funding for small projects like mine, and this scholarship helps fill that niche."

The Margaret Nicholson Schafer Graduate Fellowship in Human Nutrition was established in 1992 for graduate students in WSU's Food Science and Human Nutrition program. Each semester two students receive approximately \$1,000 each for research focusing on solving nutrition and food-related problems. Special consideration is given to students working with at-risk populations, especially recent immigrants, ethnic minorities, and economically disadvantaged groups.

M. Virginia Schafer, who established the scholarship in honor of her mother, is one of WSU's most politically prominent graduates. She was the U.S. Ambassador to Papua New Guinea and the Solomon Islands from 1981 to 1984 during a 30-year career in the U.S. Foreign Service.

Schafer, who earned her bachelor's degree at WSU in home economics in 1952, has been a long-time supporter of the University and an active alumna. In 1986, she received the WSU Alumni Achievement Award. She served on the WSU Foundation Board of Trustees from 1987 to 1994, is chair of the Trustee Ambassadors, served on the Planned Giving Advisory Board from 1990 to 1991, and has been on the College of Agriculture and Home Economics Campaign Committee since 1993.

### *Signe Bustad Scholarship for Home Economics Educators*

A new scholarship has been established for WSU students pursuing degrees in human development. The Bustad family recently contributed \$15,000 as a lead gift for WSU's College of Agriculture and Home Economics. In addition, the CAHE Alumni and Development office will raise \$10,000 to add to the fund. The scholarship was established in Signe Bustad's name, a WSU alumna and long-time active member of the Pullman community. She graduated with a bachelor's degree in 1941 from WSU's home economics department and is a member of the Pullman Home Economics Association.

#### EDITOR'S NOTE

*Signe Bustad died of cancer on March 16 in Pullman. She was 79 years of age. The family has requested that memorial gifts be made to: The Signe Bustad Scholarship Fund, WSU Foundation, Pullman, WA 99163-9975.*

# The Expanding China Market

*WSU agricultural economist sees growing opportunities for Pacific Northwest farmers*

From apples and cherries to hops and garlic, Pacific Northwest farmers are increasingly meeting China's growing appetite for more diverse and high-quality foods. This expanding market offers tremendous opportunities for agricultural producers. In fact, Washington State University agricultural economist Tom Wahl believes it has the potential to eventually exceed the Japanese market—currently the Pacific Northwest's largest Asian agriculture export market.

"There's definitely a window of opportunity for certain products in China right now," says Wahl. "The types of food the Chinese are now eating and wanting have greatly changed in the past five to 10 years. They've shifted from largely subsistence-level foods to a diverse diet including fruits, meats, and processed foods."

Rapidly rising incomes, an escalating population, limited arable land, and falling trade barriers are all factors that will dramatically change China's future and open doors for food importers in the next century.

"Trade barriers have greatly restricted our exports to China in the past and

most of our products have gone into China through Hong Kong," says Wahl. "But China is now eager to join the World Trade Organization, which means they will have to make substantial commitments to reduce barriers to trade. And that will be a great benefit to us."

Wahl has been studying China's consumers and food markets closely for the last five years through WSU's International Marketing Program for Agriculture Commodities and Trade. With nu-

*"Trade barriers have greatly restricted our exports to China in the past... but China is now eager to join the World Trade Organization."*

**TOM WAHL**

merous trips to China, meeting government agents, farmers, and families, he has seen the changes in both its agricultural production and food demand. In addition, he has learned the essentials of how to do business in this country.

"Doing business with the Chinese takes time," Wahl says. "You have to

make several trips just to meet the people, understand their culture, and see how your product would fit in before you ever talk about business to them. It's also very important to find a business partner over there,

and the right one. You can spend a lot of time talking to the wrong people."

Although establishing a market in China is not quickly done, Wahl firmly believes the effort is worth it, for "China is going to be an important market for us in the future."



# Diets Often Deficient in Vitamin B-6

*WSU scientist searching for ideal intake*



*Nutritionist Terry Schultz and Christine Hansen, a postdoctoral research associate, prepare a dietary food composite for chemical analysis.*

**I**t has been estimated that one-third of the U.S. population is marginally deficient in vitamin B-6, especially young women. Vitamin B-6 is essential for optimal brain function, red blood cell production, protein synthesis, and for maintaining a strong immune system, but no one really knows how much of it is needed. WSU human nutritionist Terry Schultz hopes to answer that question, at least for young women, in a research project funded by USDA. Vitamin B-6 is found in beans, nuts, legumes, eggs, meats, fish, whole grains, and fortified breads and cereals.

Shultz, along with nutritionist James Leklem of Oregon State University, will study the effects of vitamin B-6 on the body's immune response. They will evaluate how various levels of B-6 influence the body's ability to fend off dis-

eases. Through a carefully controlled metabolic study, these researchers will ultimately determine what level of vitamin B-6 produces maximal immune response in young women, 21 to 39 years of age. Eight healthy women will participate in the seven-week study in WSU's Human Metabolic Unit. This study is supported by a two-year \$94,000 USDA National Research Competitive Grant.

"The National Academy of Science and researchers have recog-

nized that more work needs to be done on vitamin B-6," says Shultz. "We have shown in a previous study that the B-6 requirement should be increased. Our research will help the National Academy of Science more accurately establish the Recommended Dietary Allowance for

young women."

Eventually, Shultz hopes to determine the vitamin B-6 requirement for women of all ages, as well as men, based on the strength of the immune system.

## **WSU'S HUMAN METABOLIC UNIT**

Located in the Food Science and Human Nutrition Building, WSU's Human Metabolic Unit is used to conduct human nutrition research studies. It is a unique facility and is one of less than a dozen in the entire country. Unlike most other metabolic units, WSU's is a live-in unit. It includes a kitchen, dining and living rooms, bed and bathrooms (dormitory style), blood collection laboratory and biological fluid/fecal sample dispensing laboratory. It can accommodate up to eight subjects at a time. This unit allows for very carefully controlled research to be conducted, where all food is prepared and monitored for each subject's consumption during the entire period.





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John Dodge, Ph.D.,  
teaching a Master  
Gardener class in  
the early-to-mid  
1970s.

## The Master Gardener Program Celebrates 25 Years

One of Washington State University's biggest successes

**T**rimming rose bushes, planting a new variety of corn, nurturing raspberry starts, coaxing along newly planted pepper plants—it's all the fun and satisfaction of gardening. Today, one in four Americans claim that tending plants is their favorite pastime.

The home gardening craze began in the late 1960s and surged in the 1970s. WSU county extension agents remember it well. "We were inundated with questions and people wanting advice," recalls Arlen Davison, extension plant pathologist at WSU's Puyallup research station during that time.

David Gibby, county extension agent for King and Pierce counties from 1972 to 1974, remembers stacks of call-back slips piled on his desk every day when he returned from the field. "Some days there would be at least a hundred messages," Gibby said. "It was overwhelming and very frustrating because it was impossible to return all those calls."

To handle the rising demand, extension agents in western Washington started offering plant clinics to the public and appearing on television, hoping to ward off the stream of inquiries to their offices. Instead of dropping, however, the calls skyrocketed.

"I remember giving a TV show on fall webworm," Gibby said. "Before the show I received about 50 calls on it. After the show, I received 200. This exposure just made people more aware of Cooperative Extension as a resource," he said.

With limited funds, something extraordinary had to be done. Thus began the Master Gardener program—using University-trained volunteers to provide

gardening information to the public.

The concept and a call for volunteers first appeared in *Sunset* magazine in fall

1972. Over 600 people responded, both home and professional gardeners alike. A quarter of them were eventually selected: 75 for King County and 75 for Pierce County. Each volunteer received 50 to 60 hours in training from WSU faculty on horticultural

subjects and plant diagnosis. In return, participants committed themselves to at least 50 to 60 hours of answering questions at plant clinics.

In the first year, 150 Master Gardeners diagnosed about 5,000 plant problems at numerous clinics throughout the

*"Without a doubt, the biggest satisfaction for me, and I believe for many Master Gardeners, is helping someone else and knowing they will really benefit from that help."*

**ORRIS THOMPSON, 1973  
MASTER GARDENER GRADUATE**

*continued on page 12*



*continued from page 11*

two-county area, says Gibby. "We did a spot check on their accuracy and found they were in the 90th percentile range. It was incredible. We were really pleased."

Many of the volunteers did and still do contribute far more than their minimum payback requirement, too. In fact, some of the original volunteers are still active, such as Orris Thompson, who

horticultural associations and had quite a bit of knowledge I could share with others. I thought I could help."

And that is what has kept Thompson involved in the Master Gardener pro-

gram all these 25 years. "Without a doubt, the biggest satisfaction for me, and I believe for many Master Gardeners, is helping someone else and knowing that they will really benefit from that help. We also learn ourselves. In horticulture, there is always something new to learn."

From 150 volunteers in King and Pierce counties in 1973, the Master Gardener program

soon mushroomed to other counties in the state. "It was amazing how fast it grew," says Gibby. "I'm still amazed."

Today, there are over 3,000 Master Gardener volunteers in Washington state who give about 131,000 hours of their time to serve nearly 320,000 people who have gardening problems. According to

Van Bobbitt, WSU Cooperative Extension Master Gardener Coordinator, that time is worth \$1,734,900.

"The program has saved WSU millions of dollars by using volunteers," says Davison. "It has made it possible to reach far more people, and allows the faculty and institution to much better serve the gardening public. It certainly has given WSU a great deal of visibility across the country."

The concept of the Master Gardener program was quickly picked up by other states. Today, there are more than 1,000 training programs now active in every state in the nation as well as four Canadian provinces. Over 60,000 volunteers reach well over a million people annually nationwide.

### ***Cultivating Plants, People, and Communities***

Much has changed in the Master Gardener program since its inception. Although the primary focus is still solving basic gardening problems, it has evolved into many other areas as well. "Over the



graduated from the first Master Gardener class in Pierce County in 1973.

"When I first heard about the program, I was intrigued," says Thompson, who was a horticulturist by profession and, at the time, the supervisor of the Tacoma Park Department. "I was active in the Rhododendron Society and other



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*"We encourage environmental and community stewardship, including joint projects with youth, seniors, those with disabilities, and low-income people."*

**VAN BOBBITT,  
WSU MASTER  
GARDENER COORDINATOR**

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years, the Master Gardener program has responded more to critical issues facing society, such as water quality, safe pest management practices, yard waste management, and native plant education," says Bobbitt. "We encourage environmental and community stewardship, including joint projects with youth, seniors, those with disabilities, and low-income people."

In Washington state, Master Gardeners work with children in 4-H projects and in schools teaching them basic science, environmental science, and an appreciation of where and how food is grown. In some counties, children and seniors learn together as they work on gardening projects. Master Gardeners

are also involved in projects such as restoring native plants, teaching more efficient use of water through sustainable landscaping workshops, suggesting nonchemical pest controls, advising on organic gardening practices, and educating the public on water quality issues.

Although the program has expanded and diversified greatly in the last 25 years, the basic concept remains: to serve and educate the public. "We are not a glorified gardening club," says Bobbitt. "We are grassroots educators trained by the University to assist the gardening public and improve our communities."

## *Want to be a Master Gardener?*

Although gardening experience is helpful to qualify for the program, a strong interest in community service is essential. The primary purpose of the program is to train volunteer educators. In exchange for a minimum of 50 to 60 hours of gardening training, volunteers are asked to return at least 50 to 60 hours in training to their community. This varies by county.

Residents of Washington can find out more about the Master Gardener program in their area by calling their local WSU Cooperative Extension office, which is usually listed in the phone book under county listings. If you have access to the Internet, you can find out about the program and find the name and phone number of the contact person in your county through these web sites:

Gardening in western Washington  
<http://gardening.wsu.edu/>

Gardening in eastern Washington  
<http://gardening.wsu.edu/eastside/>

HortSense  
<http://pep.wsu.edu/hortsense/>  
(HortSense provides nearly 700 fact sheets and answers to problems for vegetables, fruit trees, lawns, and landscape trees and shrubs.)

# Perennial Wheat

## A crop whose time has come

Soil erosion is a serious problem in the Palouse. Every year it is estimated that 13 to 15 tons of soil per acre are lost to erosion—a rate that is one of the highest in the country. Erosion depletes productive soils for farming and is a major source of water and air pollution.

“The real driving force behind developing perennial wheat for this area is to control soil erosion,” says WSU wheat breeder Steve Jones. “There is an incredible need for this crop,” says Jones. “While all farming produces some erosion, it’s nothing like what we have here in the Palouse.” Erosion is especially serious in the Palouse because of the steep sloping hills together with the amount of rain and snow the area receives.

The problem is exacerbated when soil is not covered with growing plants and/or crop residue from previous crops. The latter

problems are associated with agricultural production practices such as late seeding of winter wheat and/or the burial and fragmentation of residue by tillage practices.

Although the Conservation Reserve Program, or CRP, has helped stem erosion on about one million acres in Washington state, the tenuous nature of the program is of concern. “If this land goes back into production, erosion will start right back up as soon as it’s farmed under normal practices,” says Tim Murray, a WSU plant pathologist.

And that is why Steve Jones and Tim Murray teamed up several years ago to investigate what they believe is a prom-

ising alternative to the wheatgrasses grown on CRP land. Perennial wheat, a wheat that can be harvested for several years without replanting, offers good potential as a soil conservation crop—and one that is harvestable. With their best perennial wheat lines, these WSU researchers are yielding 70 bushels per acre in the first year. That’s good news to wheat growers in Washington, who say anything at about 50 percent of a traditional winter wheat crop would be acceptable; for farmers searching for crops to grow along waterways, anything above zero is good news, Murray says.

Perennial wheat is not a new idea. WSU wheat botanists first started looking at perennial wheat in the 1930s, and

a few farmers in the state grew the crop into the 1960s. Low yields was its greatest drawback, thus its unpopularity.

Other states also

investigated perennial wheat, but dropped their efforts many years ago. For them, it could not meet the high-quality requirements for hard red wheat.

Today, there is mounting need and interest in protecting water and air quality. Agriculture has been identified as a major source of nonpoint pollution, and in some areas air quality has been degraded due to wind erosion from farm activity. Since land that is in constant cover is far less prone to water and wind erosion, a crop such as perennial wheat may offer a solution.

Although past attempts at developing and growing perennial wheat failed, Jones and Murray are optimistic about

its potential for Washington wheat growers. “There are a number of reasons why perennial wheat is perfectly suited for our area,” says Jones. “We grow soft white wheat here and not hard red, which has strict quality requirements. In a perennial wheat we can adjust it for a soft wheat type, but it would be very difficult to do that for a hard red. That’s why it failed in the past.”

Another reason why these scientists believe it will work is because of the area’s ideal climate. Unlike Kansas and Nebraska, where it rains just as much in August as in January, explains Jones, the Palouse has generally warm, dry summers and falls that allow the plant to go through a complete dormant cycle that is critical to its success.

In addition, Murray says, it can be planted and harvested beside a field of annual soft white wheat. “The overall effect on the quality will be minimal.”

Skeptics worry about pests, diseases, weeds, and seed size. But Jones and Murray are quick to point out that addressing those issues is a major part of their research, and they are tackling them one at a time. “Seed size is no longer an issue,” says Jones. “We’ve already overcome that. And perennial wheat, which is a wheatgrass, can be competitive against weeds.” By altering the plant genetics, they are both confident they can make it disease resistant as well.

With a sizeable grant from the Fund for Rural America, a three-year \$350,000 award, these scientists are convinced they will succeed in producing a profitable perennial wheat for Washington farmers that will help them meet the growing demands for improving water and air quality.

*“There is an incredible need for this crop.”*

**STEVE JONES,  
WSU WHEAT BREEDER**



# ALUMNI NOTES

**Dustin DeVries** ('97 Ag Business) started work in August for American Cyanamid as a sales representative in Des Moines, Iowa. E-mail: dustin\_devries@py.cyanamid.com.

**Chalese Rabidue** ('96 Human Development) is working for the Walla Walla Police Department as a domestic violence services officer in College Place, Washington.

**Tracy Davidson** ('96 Child, Consumer and Family Studies) is the Parent Involvement Coordinator at Yellowstone County Head Start in Billings, Montana.

**Ellen (Muchmore) Haugh** ('95 Horticulture) was married to Michael Haugh November 28, 1997. She is currently a propagator for Fairdale Nursery in Wilsonville, Oregon.

**Mark** ('95 Animal Sciences) & **Kristi (Rightmire) Harting** ('95 Ag Communications) welcomed a daughter, Emily Marie, on December 13, 1997.

**Jennifer Renae (Fenich) Burger** ('95 FSHN) was married to Everett James Burger, July 19, 1997, at St. Mary's Church in Moscow, Idaho. He is a UI student, who will graduate May 1998 with a business degree. E-mail: feni3163@uidaho.edu.

**Kelly (Goebel) Verd** ('94 Animal Science) married Mike Verd, a friend from high school, September 18, 1997. She is currently employed by the Lewis County Animal Shelter in Centralia, Washington.

**Teresa Mancinelli** ('94 Social Work) of Mount Lake Terrace, Washington, received her master's degree in social work. She is now a supervisor of the Foster/Adoptive Program at New Hope Child and Family Agency.

**Lenna 'Peggy' Worl** ('91 ECE) works at the Boomerang in Palouse, Washington, as an office manager and in advertising sales. E-mail: PegWorl@AOL.com.

**Tracy Lawrence** ('91 Ag Education) received an M.A. in school administration in May 1996, and is now vice principal at White Swan High School, Mt. Adams.

**Jill** ('90 FSHN) & **Jeff Peterson** ('90 MKA) have a daughter, Josie Marie Peterson, born June 1, 1997, in Chehalis.

**Eric** ('89 Agriculture) & **Shannon (Scott) Appel** ('88 Advertising) had their third child, Sarah Emily, September 17, 1997, at Pullman Memorial Hospital. She joins her brothers Connor, 4, and Christopher, 2, on Appel Farm near Dusty.

**Crispin** ('87 Ag Economics) & **Jillian (VanderVeer) Garza** ('88 Home Economics) had their third child, Melanie, July 97. Crispin is a loan officer with Farm Services Agency. Jillian is an accountant with the Yakima County Treasurer's Office.

**Althea (Turner) Sexton's** ('85 AMID) first book, *Gifts for Bird Lovers*, was released this fall by Storey Publishing. She has a freelance writing business, Alfalfa Press. E-mail: althea@alfalfapress.com.

**Julie DeRuwe** ('79) had a daughter, Jacqueline Marie Schramm, October 21, 1995. Her husband, Charles Schramm, is a member of AMID-WSU Business Advisory Board.

**John A. (Tony) Fernandez** ('75 Plant Pathology) was named dean of the College of Health and Life Sciences at Fort Hays State University in Hays, Kansas. His wife is Diane (Johnson) Fernandez ('75 Communications). E-mail: HLSTF@FHSUVM.FHSU.EDU.

**Henry S. Gerber** ('69 Entomology) retired in April after working for the British Columbia government. He is happily married with two daughters and would enjoy hearing from former classmates and professors. E-mail at daughter's (Sherry G. Gerber) address: Compuserve 110170g101&sggerber@concentric.net.

**Doug Wilson** ('67 Ag Education) is a supervisor at the Centralia office of the Division of Children and Family Services in Winlock. E-mail: WiDO300@DSHS.WA.GOV.

**Rita Storey (Schindler) Grandgenett** ('62 Food and Nutrition) is currently the director of nutrition services at ConAgra Frozen Foods in the Foodservice Division in Omaha. She served as president of the American Dietetic Association Foundation a few years ago and is now serving a three-year term as a member of the Commission on Dietetic Registration, the national dietetic credentialing agency. She also chairs the Competency Assurance Panel for that group. E-mail: rsto01@conagrafrozen.com.

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 Washington State Federation Garden  
 Clubs  
 Washington State Fruit Commission  
 Wenatchee Traffic Association  
 Wheat Growers Association-Benton  
 County  
 Jeffrey Whitlatch  
 Dale '64 & Jane Wierman  
 Leonard & Edna Young  
 Kay Zinkel  
 James & Carol Zuiches

**Bryan Society**  
*(\$500 to \$999 annual support)*  
 William '52 & Margaret Ackley  
 Adams County Wheat Growers Association  
 Arthur Antonelli  
 Leon '77 & Lorraine Baker  
 Nancy Boettcher '75  
 Robert '50 & Victoria '52 Braden  
 Mark '76 & Nancy Brandon  
 Dennie Byram  
 Kenneth '71 & Dorothy Casavant  
 Dana Catts  
 Chateau Ste. Michelle  
 Chukar Cherries  
 Do & Okkyung Chung  
 John '74 & Jan '76 Clerf  
 Columbia County Agriculture  
 Improvement Group  
 Concep, Inc.  
 Cooperative Resources International  
 Danny '77 & Shelly Coyne  
 Coyne & Associates  
 Diamond V Mills, Inc.  
 David Dickson '60  
 Don & Joye Dillman  
 Earl Dralle

Ed '39 & Ayleen '38 Erickson  
 Anthony & Mary Faita  
 Farm Journal Publishing  
 Dorothy Fuhrmeister  
 Curtis Gering  
 Douglas '67 & Mary Grim  
 Frank '56 & Margaret '58 Hachman  
 David Hattem & Alberta Koch-Hattem '73  
 Ross & Kandice Heimbigner  
 Curtis '78 & Erika '80 Hennings  
 Herb Nelson, Inc.  
 Hettema, Inc.  
 Robert '60 & Doris '60 Hodge  
 Allan '72 & Virginia '69 Hopp  
 Gerald '50 & Ruth Houghton  
 Hydro Agri North America, Inc.  
 IMC AGRICO Company  
 Inland Empire Dahlia Society  
 Barbara Jacquot  
 John E. Stowell Dahlia Society  
 Kiwanis Club of Puyallup  
 Lands' End  
 Leon R. Baker Farm  
 Joseph Lesmeister  
 Kenneth & Elizabeth Lewis  
 Louis '32 & Lena Manus  
 Roger '60 & Kathleen '62 McClellan  
 Bruce '78 & Anne '78 McTavish  
 Montana Dahlia Society  
 Monterey Bay Dahlia Society  
 Dennis Moon  
 National Capital Dahlia Society  
 Herbert '55 & Marilyn Nelson  
 Steven & Deborah '79 Nelson  
 Oregon Freeze Dry  
 Bernard Ouellette  
 David '72 & Kay Picha  
 Erik Powers  
 Thomas '74 & Diana '73 Prenguber  
 Thomas Quann '53 & Mary Kohli  
 Quincy Farm Chemicals, Inc.  
 Harry & Grace Risetto  
 Charleyne Roberts '50  
 Don '62 & Ruth '63 Roberts  
 James '65 & Jo Ann '66 Roberts  
 Pete & Susan Romano  
 Roderick & Alice '44 Ross  
 San Leandro Dahlia Society  
 Jeffrey & Teresa '72 Santerre  
 Norman '73 & Helen '73 Schaaaf  
 Ronald Schnabel '81  
 Mark & Ginger Schoesler  
 Schoesler Farms  
 Southtown Dahlia Club, Inc.  
 Marvin '82 & Bonnie Stone  
 Marvin '50 & Patricia '49 Sundquist  
 Swan Island Dahlias  
 Jay Teachman  
 Horace & Vilma Telford  
 UCP Social Action Committee  
 Wal-Mart Foundation  
 Roy Walter  
 Washington State Dietetic Association  
 Washington State Federation of Garden  
 Clubs  
 Washington State Horse Council  
 Foundation  
 Waters Corporation  
 Wheat Growers Association of Grant  
 County  
 Whitman County Cattlemen's Association  
 Terry Whitworth  
 Whitworth Pest Control, Inc.  
 Robert & Marie Working  
 Working Solutions, Inc.  
 Glen & Kathryn '68 Zeparth

**Tower Club**  
*(\$100 to \$499 annual support)*  
 John '68 & Linda Aarstad

Harold Abbott  
 Edward '82 & Barbara Adams  
 Agreeable Pest Control  
 Agsourse Cooperative Services  
 Albemarle Garden Club  
 Gregory '74 & Susan '73 Albert  
 Aldergrove Farms, Inc.  
 Clayton '47 & Evelyn Alford  
 James & Elaine '37 Allen  
 Alpen Gardens  
 Alternative Pest Management, Inc.  
 Dick & Susan Ambrose  
 American Jersey Cattle Association  
 Bruce '73 & Elizabeth '73 Anderson  
 Glenn '53 & Marian Anderson  
 Jeffrey '86 & Donna '86 Anderson  
 Preston Andrews '82 & Anne Adams  
 Carmen Annillo, Jr. & Joan Annillo  
 Eric '89 & Shannon '88 Appel  
 Elizabeth Arcamo '82  
 Harry & Verna Arlt  
 Reginald Atkins '77  
 Steven '60 & Ann Aust  
 Lindsay '77 & Heidi '78 Austin  
 Jerry '65 & Sarah Babbitt  
 John '52 & Anita Babich  
 Dean Backholm '80  
 Bradley Bailie '95  
 Nancy Baines '82  
 Lyle & Dixie Bair  
 Judith Baker  
 Malchus & Linda '66 Baker  
 Kenneth '74 & Patricia '73 Bales  
 Woo Bang '95  
 \* Howard Barnes  
 J. Canute & Elaine Barnes  
 Richard Barnes & N. Candace Jones '82  
 Richard & Betty '50 Barney  
 James & Mirriam Barron  
 Alan '72 & Teresa Bartelheimer  
 Floyd Bartram  
 Basic American Foods  
 Phillip Battaglia '78  
 John & Ellen Baumann  
 Ernest & Veran Bay  
 Warwick & Della '94 Bayly  
 Donald '60 & Alene '62 Bea  
 Harold '42 & Mae Beard  
 Jacqueline Beard '83  
 Phoebe Beckley '83  
 Dale '66 & Judy Bedlington  
 Harold Beeman '50  
 Randal '78 & Stephanie '78 Bell  
 Bellevue Club  
 Dean '77 & Joyce Benedict  
 Reed '46 & Beverly '49 Benedict  
 Bergen County Dahlia Society  
 John & B. Joan Bernard  
 Michael '79 & Perri '80 Bernard  
 Bernard Associates  
 Buzz & Jean '58 Berney  
 Kevin Bertrand  
 Vern '52 & Adrienne '47 Birdsell  
 David '58 & Nancy '58 Bishop  
 Joseph '55 & Rose Blake  
 Paul & Henriette Blanc  
 Bart Blauert '94  
 Mark & Elaine '74 Blaufuss  
 Erwin Bliesner '62  
 William Blonkowski  
 Blue Seal Feeds, Inc.  
 David & Judith '62 Bluhm  
 Max '64 & Joan '63 Blumeyer  
 BMS Consulting & Machine Works  
 Bob Colf Landscape Construction  
 Mark '69 & Sandra Booker  
 Marie Borg  
 David '80 & Carol '81 Borgens  
 William '67 & Marla '68 Borton  
 Elizabeth Bourland '79

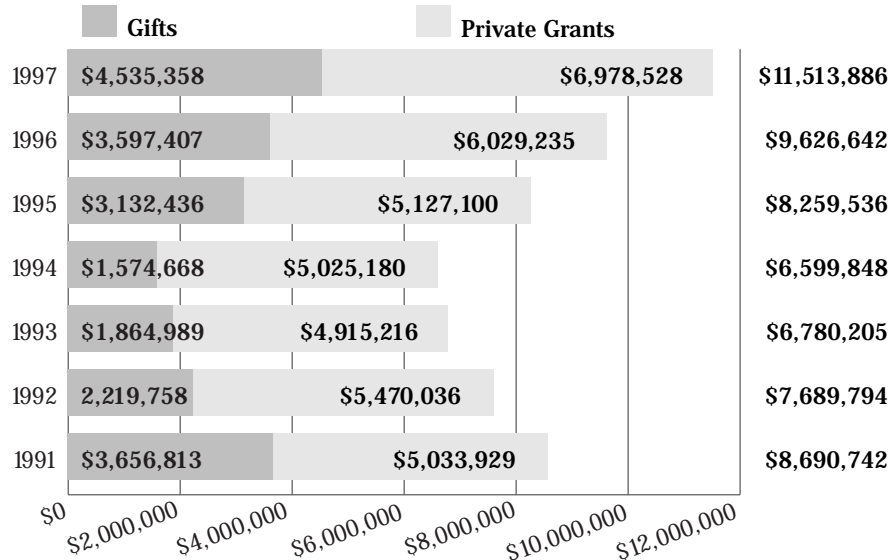
Joel Bourne '81  
 Lloyd & Maureen Bourne  
 John Bouslog '72  
 Raymond '70 & Michele Bower  
 Landis & Lila Boyd  
 S. McQuithy & Norma Boyer  
 Richard Boyesen '74  
 Melvin & Estelle Brandt  
 Paul Brandt '55  
 A. Larry & Laurel '79 Branen  
 Sarah Briehl '76  
 Richard '77 & Theresa Brim  
 Frederick '92 & Julie '92 Broersma  
 John & Ruth Brown  
 Keith '92 & Rebecca '92 Brown  
 Thomas '52 & Roberta '53 Brown  
 Michael Brownfield '88  
 Mark Brumbaugh '82  
 Brumbaugh & Associates Inc.  
 Gerald '50 & Glenna Brunton  
 James '65 & Suzanne Bryan  
 Clarence '35 & Louise '35 Bunge  
 Fred '42 & Elizabeth Burgess  
 Bonnie Burkett '81  
 Edwin & Elaine Burkhardt  
 Jack '72 & Kristine '74 Burns  
 Everett '54 & Willow Burts  
 Donald '49 & Sylvia '47 Bushaw  
 Melvin & Patricia '45 Butterfield  
 C2S Farms, Inc.  
 Donald '60 & Cynthia '62 Calbick  
 Keith '56 & Joyce Callison  
 Rex '82 & Melva Calloway  
 Zenaïdo & Carol Camacho  
 William & Judith '59 Camden  
 Craig '73 & Sharon Campbell  
 Fred '51 & Dorothy Campbell  
 John '68 & Gretchen '69 Campbell  
 H. R. Cannon  
 Vernon '64 & Porntipa Carlson  
 May Carrell  
 Keith '47 & Wanda Carter  
 Cascade Farms  
 Mark Castaldi '84  
 Norman '63 & Verlee Cavadini  
 Central States Dahlia Society  
 Charles '59 & Margaret Chambers  
 Bernard '62 & Sandra Chaplin  
 Donald '57 & Marjorie '57 Chaplin  
 Jeffery & Margaret '74 Chappell  
 Char-Hous Farms, Inc.  
 James '38 & Donna '39 Chase  
 Nelson Chen '72  
 Janice Child  
 Ted Christensen  
 Elizabeth Christopherson '69  
 Circle C Farms, Inc.  
 Circle D, Inc.  
 Steve '73 & Kathryn Claassen  
 Girard '50 & Betty '50 Clark  
 Steven '72 & Joni Clarke  
 Clay's Welding & Repair  
 J. Daniel '82 & Suzanne Clemens  
 Larry '76 & Vicky Cochran  
 Verlan '71 & Diana Cochran  
 Cochran Farms  
 Robert Colf '71  
 Darrell '73 & Janet '72 Collins  
 Ernest '42 & Delores Comalli  
 Marget Condell '36  
 Kristie Cook '91  
 Matt & Gina '95 Copenhaver  
 Harry & Margaret Cosgriffe  
 Cougar Commodities, Inc.  
 John '66 & Lorna Coulthard  
 Richard '59 & Joyce '60 Cowin  
 Kenneth & Deborah '72 Cox  
 Allen Craney '73  
 Clifford Crawford '61  
 Ronald '65 & Marjorie '65 Crawford

Patrick Crickmore '89  
 William '54 & Marilyn '49 Crozier  
 Crozier's Flowers  
 James Culbertson '67  
 Bradley Curtis '91  
 Margo Cusin '80  
 Dahlias for Simchas  
 Dahlia Society of South Australia  
 Joseph '74 & Anita Dahmen

DowElanco  
 Charles '61 & Janet '61 Downen  
 Shelly Dozier-McKee '84  
 Robert Drawsky '48  
 Bill '95 & Kathleen '96 Druffel  
 Mary Duff '73  
 Kenneth Duft  
 William & Elsie Dungan  
 Jerrie '69 & Sally Eaton

Ella Frantsen '36  
 Randall '77 & Barbara Franz  
 David '78 & Kusinee Fraser  
 Berniece Freeburn '38  
 James '77 & Sandee Freese  
 Leonard '48 & Lillie '48 Freese  
 George '54 & Jean Fries  
 Richard Fritsch '57  
 John Froseth

## College of Agriculture and Home Economics Campaign Results, FY 1991-97



**CAHE Campaign WSU Totals**  
**Total Gifts & Private Grants Received \$59,160,653**  
**Outstandings Pledges 6,015,453**  
**CAHE Campaign WSU Total \$65,176,106**

Walter '37 & Lorna Dahms  
 Tanja Damiano '93  
 Timothy '74 & Heidi '76 Danaher  
 Danaher Farms  
 Darrell Collins Orchard  
 Elwood '58 & Betty Dart  
 Debra Davidson '93  
 Philip '79 & Linda Davidson  
 Eriann Davis '63  
 Michael '75 & Karen '72 Davis  
 Robert & Jane '42 Davis  
 Dean Backholm Landscape Design  
 Richard '51 & Mary Debeaumont  
 Dale '62 & Carol '62 DeChenne  
 DeChenne Farms, Inc.  
 D & E Farms, Inc.  
 Gregory Deffenbaugh '84  
 John '74 & Debbie DeGoede  
 Del Schwisow, Inc.  
 Wayne '71 & Sandra Demarest  
 Thomas '84 & Susan '70 Demme  
 Denver Dahlia Society  
 Curtis & Sandra '65 DeTar  
 Douglas '71 & Linda '74 Detering  
 Robert Dey '83  
 Geoffrey Dickerson '81  
 Harold '66 & Barbara '66 Dobie  
 Diane Dodge  
 Brad '80 & Nancy Dodson  
 Michael & Valerie Doneen  
 Donna Shepard Interiors  
 Donald '34 & Myrle Douglas

Wesley '57 & Joanne '56 Eckert  
 Thomas '74 & Shannon '76 Edmark  
 \* Melvin Ehlers '50  
 Steven Eicker & Dorothy Ainsworth '75  
 Frank Eischen  
 Elkhart Dahlia Society  
 Douglas '76 & Heidi Elliott  
 Arthur Enbom '32  
 Jeanne Enbusk  
 John '63 & E. Cecile Erickson  
 Matthew Erwin '90  
 Roy '44 & Elizabeth Eslick  
 Neil '49 & Kathryn '48 Evander  
 Clayton Evans  
 Ronald '70 & Linda Everts  
 Express Farms  
 Guy '50 & Jacqueline '50 Fanning  
 Philip & Mary Jane '44 Faris  
 Fiddler's Ridge Farm  
 Peter & Karen '83 Field  
 Firman Pollen Company, Inc.  
 James Fletcher '62  
 W. Thomas Fletcher & Donna McIntosh-  
 Fletcher '65  
 Fletcher Farms  
 Judy Fogelsoenger '75  
 Foggy Farm  
 Diana Ford '82  
 Chris Foster '73 & Teresa Robertson '75  
 Harold Foster '47  
 Robert Foyle '77  
 Larry '71 & Nancy Frank

Elizabeth Gailey '47  
 Gary & Donna Galbreath  
 Lee '91 & Christine '90 Gale  
 Mary Galloway  
 Bernard '71 & Victoria Gamache  
 Mikel Garber '78  
 Gordon '66 & Janice '65 Gardner  
 Katherine Gausman '76  
 John George '47  
 Keith '58 & Barbara '58 George  
 Steven '79 & Ann '79 George  
 Shirley Getzin  
 Paul '71 & Dana Gibbons  
 Dale '75 & Wendy Gies  
 Gies Farms, Inc.  
 Gerald & Beth '37 Gilbert  
 Rodney '44 & Mary Beth '46 Giske  
 Roger & Marijean '80 Gissel  
 Glacier Construction  
 Glade Creek Ranch  
 John Goelz  
 Allan Gohl '71  
 Golden Harvest Farms, Inc.  
 William '55 & Mary '50 Graham  
 Grange Supply Company, Inc.  
 George & Charlotte Grantier  
 William '72 & Kelsey '71 Gray  
 Greater Columbus Dahlia Society  
 Greater Pittsburgh Dahlia Society  
 Robert & Lois Greenside  
 Gordon & Mary Gresch  
 Gene '52 & Donna '52 Groshong



Robert '43 & Margaret '43 Guitteau  
Ed & Melodie Gutzwiller  
David & Margaret '58 Habersetzer  
Randy & Margaret '77 Hair  
N. Gary & Kathy '70 Hale  
Alfred Hallowell '57  
David '75 & Marilyn '77 Hambelton  
Harold '49 & Patricia Hambelton  
Hamilton & District Chrysanthemum &  
Dahlia Society  
Michael '88 & Kathleen Hamrick  
Richard '83 & Anna Hannan  
Carole Hansen '67  
Marvin & Laurel '68 Hansen  
Reed '36 & Esther Hansen  
James Harder  
John & Gretchen Harder  
Kurt Harder '87  
William Hardman '67  
James Hardy '50  
Virginia Harger '34  
Albert & Harriett Harrington  
Hartmann Farms  
Richard & Janice Harvey  
Robert & Doris '57 Harwood  
Dan Hayden '50  
Woodrow '40 & Marion '42 Hayes  
Elizabeth Hayton '43  
R. Dennis '67 & Cheryl '67 Hayward  
Nickolas '66 & Diana '66 Hein  
Robert Heitman '76  
Richard '52 & Beulah Hemmerling  
Willard & Patricia '54 Hennings  
Herd Health PLLC  
Peter '64 & Donna Herranen  
Alan Higginbotham  
Higginbotham Homesteads, Inc.  
William '76 & Robin '76 Higginbotham  
Michael '70 & Donna '66 Higgins  
John & Dorothy Hildreth  
Dennis '65 & Christine Hill  
Harold '42 & Mary '42 Hill  
Herbert & Jannette '85 Hill  
Wallace Hill '76  
Everett Hille  
Larry & Janet '77 Hiller  
William & Vicki Hilliker  
Hilliker Trucking  
Judith Hiss '37  
H.L. Hanford & Son  
David Hoffman '85  
Robert & Agnes Holloway  
George Holmgren '59  
Lyle '61 & Jackie '64 Holt  
Jeanna Holtz '79  
Dennis & Marla '79 Holub  
Floyd & Bertie Honn  
Keith & Christine '75 Hopkins  
Walter Hoppe  
Donald & Diane '79 Hough  
Keith Houser '79  
Jack '84 & Jacquelyn Houston  
Jeffrey '78 & Kristyn '83 Howell  
William '69 & Lynette '69 Howell  
Steven '71 & Suzanne Howes  
Arnold '55 & Danell '55 Hudlow  
Brent '89 & Michelle '88 Hudson  
G. Russell '37 & Betty '37 Huff  
Darin Huggler '89  
John Hughes '84  
Hughes Farm Enterprises  
Paul '64 & Tamra Humes  
John & Catherine '45 Hunt  
John '80 & Barbara '80 Huston  
Craig '75 & Linda Illman  
Impact Center  
Independent Pest Management  
Indian Camp Limousin Ranch  
Terry '70 & Jan Ingham  
Philip '66 & Ruth Isaack

Island Insurance Associates  
Jacklin Seed Company  
Robert & Dolores Jackson  
Robert Jacobson '91  
Robert & Lucy Jacques  
Larry '70 & Elaine '69 James  
Glenn Jarstad '43  
Bent '67 & Inger Jensen  
Elizabeth Jensen  
Kenneth '60 & Elaine Jensen  
Eric Johnson '82  
Orman '69 & Mardi Johnson  
Ray '40 & Elsie Johnson  
Robert '52 & Laura Johnson  
Wayne Johnson '39  
Leroy Johnston '57  
R. Jeffrey '80 & Terri '80 Jones  
Tom '52 & Helen '53 Juris  
Erik & Gerda Juul  
Donald Kagele '78  
Deborah Kahle '75  
Kallisbell Farms, Inc.  
Erick & A. Kim Keating  
Edna Kee  
Luther & Margaret '44 Keithly  
Vernon & Averill '51 Keller  
Thomas '79 & Karen '72 Kellie  
J. Ruth Kelsey '27  
Ken M. Spooner Farms  
Ramon '31 & Mae '35 Kent  
Bentley '72 & Mary Jo Kern  
Robert & Joyce Kerr  
John Kersch '69  
K. Frank Kirkbride & Associates  
John '84 & Jean '83 Kilian  
Miles '79 & Barbara '79 Killian  
F. Michael & Sally '59 Kilpatrick  
Eleanor King  
Keith '69 & Diana '69 Kirkbride  
Robert '42 & Elinore Kirkwood  
Kittitas County Master Gardner  
Foundation  
Melvin '57 & Judith '61 Kleweno  
Wayne Knudson '69  
James Koempel '68  
Harvey Koop  
Robert & Mardith '63 Korten  
Robert '76 & Becki '75 Krause  
William Kreitz '55  
William '50 & Joanna '49 Krogsdale  
Joseph Kropf '64  
William '52 & Mary '50 Kuhlman  
W. W. & Georgia '55 Kurtz  
Lacamas Dairy  
Niels '57 & Lois '57 Ladderud  
Stephen '78 & Tamie '95 Lancaster  
Kay Landberg '82  
Jerome & Marian Landerholm  
Land Expressions  
John Lane & Barbara Bushnell '68  
Marvin '64 & Judy Lapp  
Richard Largent '49  
James '71 & Christine Larsen  
Joseph & Anne '73 Larsen  
David '88 & Deanne '90 Larson  
David '70 & Judith Latshaw  
Walter Law '42  
James '79 & Elaine '80 Lawler  
Harding & Linda '68 Lee  
Lee Gale Orchards  
Glenn Leitz '52  
Dennis '61 & Kathleen '61 LeMaster  
Lenzie Ranch  
Henry '63 & Camilla Levien  
Allen '60 & Karen '66 Lewis  
David Lewman '76  
Lewman Orchards  
Nancy Lindley '51  
Joseph '68 & Beverly Lineweaver  
Sarah Lingle '82

\* LaVerne Lippert '50  
Bruce '76 & Debra '76 Lisser  
Danny Litowitz '76  
L.F.W. Loach  
Lone Acre Orchard  
John '85 & Sharon Loos  
Thomas '71 & Kathleen Lopp  
Thomas Lumpkin '76 & Leslie Elbersen  
'88  
Frank Luzny '52  
Lester '42 & \* Lorraine Lyle  
Rex '53 & Juanita '54 Lyle  
Marty '74 & Mila '74 Lyon  
Charles MacAulay '50  
Edmund '72 & Claudia Machtmes  
Warren '58 & Donna Mallory  
Carl '55 & Doris '55 Mansperger  
Richard '78 & Janet '78 Maricle  
Marie L. Borg Trust  
Duane '64 & Patsy Marshall  
Dale '48 & Leila '51 Martin  
Carolyn Massey  
Mary Massey  
David '52 & Georgia Matlock  
Steven & Rebecca Mattala  
Beverly Mayer '86  
Charles & Rae '41 McCain  
Bruce '50 & Carmen McCaw  
Carl '66 & Patty McCrary  
Steven & Linda McCullough  
Alan '67 & Sandra '70 McCurdy  
Elaine McDaniel '52  
Lee '71 & Lorraine '70 McDowell  
Mike & Belinda '84 McDowell  
Marshall & Anne '84 McFarland  
Paul '59 & Karin McKay  
Stuart McKay '93  
Dennis McLean '75  
Robert '68 & Ida McMillan  
Kenneth '74 & Agnes McPherson  
Bradley '86 & Molly '85 McTigue  
Alan '80 & Brenda Mehlenbacher  
Jack Meiners '42  
Roger Meola & Shirle Meila  
Wayne '72 & Karleen Meyer  
Mid-Island Dahlia Society  
George & Edwina Mielke  
Terance Miethe '82 & Nancy Ostrom '75  
George '52 & Riyoko '50 Migaki  
Mike and Jean's Berry Farm  
Samuel & Kathy Millard  
David '57 & Mary Miller  
Robert & Jacqueline Miller  
Mac & Karen Mills  
Michael & Christine '71 Milodragovich  
Gaylord Mink  
Minnesota Dahlia Society  
Yasuo & Julia '67 Miyakawa  
Robert '56 & Barbara Mock  
Donald '71 & Erin '72 Moe  
Bruce '51 & Elaine '52 Monroe  
Gary Monroe '62  
Monsanto  
Bruce '87 & Patti Montgomery  
Dan Montgomery '49  
James & Nancy Moore  
James Morrow & Cecile Babich Morrow  
'82  
Leslie Morton '49  
Frank '59 & Janet Mosebar  
Mountain Oil, Inc.  
Albert & Judith '81 Mousseau  
James '71 & Mary Moyer  
Robert & Anna Moynahan  
Earl '54 & Margery '54 Muir  
Martha Nagle  
Tsugio Nakamura  
Nakamura Farms, Inc.  
Nalley's Fine Foods  
National Dairy Herd Improvement

Jack & Juanita Nelson  
Lee & Ruelyn '65 Nelson  
Raymond & Virginia '60 Nelson  
Ronald '66 & Kay Nelson  
Donald Neuenschwander '68 & Carol  
Weaver '70  
Lawrence '42 & Edra Newman  
Michael '78 & Claudia '78 Nichols  
James & Beverly Nielson  
Joe & Helen Nishimoto  
John Noble & Susan Wood-Noble '76  
William '58 & Alayne '58 Noble  
LeRoy & Karen Nordahl  
Kenneth Norikane '82  
Kenneth Nylin '74  
Ann O'Connor '71  
Iver '85 & Mary '84 Odegaard  
Roger Ohlsen '68  
Thomas & Judy Okita  
Richard '52 & Virginia Oliver  
Joyce Olsen '64  
Ronald '77 & Karen Osborne  
Edward Owens '80 & Ann Butler '82  
Frederick '52 & Betty Paige  
Pathology Associates, Inc.  
Robert '55 & Carol Patton  
Leonard & Marian '47 Pearson  
Irwin '59 & Shirley Pedersen  
Gary Pelter '75 & Christine Stallard  
Joan Pelto '50  
Earl '78 & M. Eileen Perkins  
Harry '60 & Ione '58 Perry  
James '70 & Carol '71 Peterson  
George Petrich '79  
George '51 & Jackie Pheasant  
Vincent '63 & Margaret Philbrick  
Douglas '58 & Molly '56 Philips  
Gary '73 & Geraldine '75 Picha  
Clarence '50 & Betty Piper  
Potentiality Orchards  
Karen Poulsen '75  
Albert '72 & Joann '78 Powell  
Sheryl Powell '78  
Alwin & Helen '45 Probst  
John '71 & Nancy '72 Probst  
Edward & Patricia Proebsting  
Progressive Dairyman  
Gordon Raihle  
Ralph E. Petty Trust  
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Paul & Teresa '75 Randecker  
J. Brian Raupp '91  
Margaret Ray  
Jerry & Heidi '79 Reeves  
Robert & Joan '77 Reid  
Donn '53 & Yoko Reimund  
Michael Retter '84  
Craig & Becky Rettkowski  
Rexxon, Inc.  
Rhode Island Dahlia Society  
Lois Rianda  
Douglas '58 & Shari Richmond  
Lowell '51 & Lorna '51 Richmond  
Byron Rickert '69  
Richard '68 & Kathleen '69 Rightmire  
W. J. Ringwood  
William '57 & Joan '56 Roberts  
Eugene Robertson & Mildred Chambers  
'61  
John & I. Kathryn Robins  
Vernon '46 & Sally Robinson  
Ralph '35 & Murrel '35 Roffler  
Kevin '82 & Heidi Rose  
Robert '58 & Ruth Rose  
Rose Ranch  
Rose-View Farm  
Dale & Suzanne '69 Roundy  
Homer '65 & Karla '66 Rowley  
Mark '78 & Deborah '82 Roy  
James '61 & Nancy Ruark

Ruark Century Farm, Inc.  
 James '54 & Lee '54 Ruck  
 Jack '58 & Evelyn Rucker  
 William '67 & Sandra '67 Rudd  
 Eugene Rudolph '51  
 Jim & Ladelle Russell  
 Russell Investments  
 Curtis Sabrosky  
 Jotham '35 & Evelyn Sackett  
 Albert & Elsie Sackmann  
 Sidney '73 & Debbie Sackmann  
 Timothy & Maureen '79 Saffle  
 Sakuma Brothers Farms, Inc.  
 Jeffrey '86 & Janet '86 Sample  
 Orwyn & Diane Sampson  
 San Diego County Dahlia Society  
 Keith '49 & Margaret Sarkisian  
 Patricia Sauer '74  
 Howard '59 & Ruth '59 Scarlett  
 Bernard '70 & Debbie Schaaf  
 John '42 & Joyce Schafer  
 Kenneth '73 & Marsha Schilke  
 William Schillinger  
 Howard '56 & Norma '55 Schmidt  
 Richard '75 & Debra '77 Schneider  
 Kenneth Schoenly  
 Paul & Alice Schroeder  
 Craig & Joann '78 Schwarberg  
 Delroy '61 & Carol '62 Schwisow  
 Gary & Teresa '83 Schwisow  
 Walter '71 & Giner '71 Scobie  
 Scobie Rentals  
 Sea-Tac Gardens  
 Seattle Dahlia Society  
 Shu '44 & Mary Seike  
 Wayne & Eleanor Shantz  
 Bertha Sharpe  
 Nabiel Sha Washington '81  
 Donna Shepard '59  
 Ronald Sholtys '75  
 Richard '50 & Betty Simons  
 Kenneth '79 & C. Denise '79 Slauson  
 Jack '54 & Alyson '53 Smalley  
 Smallley Drug, Inc.  
 Alan Smick '78

Jeffrey Smith '83 & Colleen Harrington  
 '81  
 Joseph & Doris Smith  
 Laurence '58 & Mary '58 Smith  
 Richard '54 & Patricia '54 Smith  
 Gregory '78 & Lyndia Smitman  
 John Snell '50  
 Jerry & Gretchen Snyder  
 Irvin '57 & Mary Sobek  
 Southern Oregon Dahlia Society  
 Marilyn Spear '49  
 Spectrum Technologies, Inc.  
 John '52 & Dorothy Spencer  
 Charles Splinter  
 Kenneth Spooner '51  
 Clayton '79 & Mary Sprague  
 Ajay Srivastava  
 Charles '56 & Shirley '57 Staib  
 Robert '67 & Rita '65 Stanton  
 Ronald '77 & Ann '79 Starr  
 Raymond '68 & Linda Stein  
 Richard Stelzer '84  
 DeVere '42 & Lois Stevenson  
 St. John Hardware & Implement Company  
 David Stout '71  
 Eric '70 & Mary Strutzel  
 Robert '76 & Cathy Stump  
 Rita Sullivan  
 Sundance Orchards, Inc.  
 Stephen '79 & Liann '80 Sundquist  
 Betty Sunofsky '46  
 Daniel '84 & Regina Suomi  
 Robert & Ruth Surber  
 Frank & Thea Swannack  
 John Syreen '71  
 Martin Syverson '33  
 Katherine Szabo '70  
 Timothy '72 & Shelly Taplin  
 Teaching Strategies, Inc.  
 Teelgro, Inc.  
 Gerald '69 & Verna Teeter  
 Tilted Acres Ranch  
 Barbara Timmer '71  
 T. J. Hayes Ranch, Inc.  
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 Robert '61 & Helen Zuppe  
 Robert '52 & Glenna Zwainz  
 Perry & Rachelle '75 Zylstra  
 \* Indicates Deceased

# Cougar Pride Program

**Financially support students in the Animal Sciences Department through your donation of beef cattle.** Your steers will be finished, judged, and processed, with proceeds going to support students interested in the beef cattle industry. Enhance student education and strengthen the beef industry future!

## WHO BENEFITS

- Animal science students interested in the beef cattle industry through scholarships, internships, and assistantships.
- The Washington beef industry by preparing college graduates to be future leaders.
- You, by receiving a tax deduction and the satisfaction of helping your industry grow stronger.

## HOW DOES IT WORK?

- Donate a 500-800 pound steer to the program.
- Steers are sorted by weight into outcome groups.
- Growth and feedlot performance is monitored.
- Light steers will be backgrounded before being placed on a finishing diet.
- Steers will be fed for 120 days for finishing.
- Steers will be slaughtered and carcass data obtained.
- All growth and carcass data are sent to donors.
- Data is summarized and awards given for:
  - Best rate of gain
  - Best carcass
  - Most profitable

**Awards will be given on Land Grant Day.**

For more information:  
 Raymond W. Wright, Jr., Chair  
 Department of Animal Sciences  
 509-335-5523

## DEAN'S MESSAGE

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### *Thank You for Your Support*

Washington State University concluded an intensive, seven-year fund-raising effort this past June. The goal was to raise \$250 million. WSU exceeded that goal by a healthy \$25.4 million.

The alumni, faculty, staff, and friends of CAHE contributed immensely to this success. The College raised \$65 million dollars in gifts, pledges, and private grants, nearly 25 percent of the University's \$275 million total.

Some of the substantial gifts we received were described in previous issues of this publication, including the Flying-T Ranch near Centralia. That \$1.8 million property was donated to the animal sciences department by Max and Thelma Baxter. Animal science faculty are conducting research there to develop high quality beef.

I was also really pleased with the phenomenal response we received from people who have no direct connection with College academic or research programs, but because of positive experiences with Cooperative Extension programs, they decided to give back to the College to keep those programs going. The Garveys are a perfect example.

In 1996, Dick and Betty Garvey, prominent Colville ranchers, established

a \$410,000 Charitable Remainder Unitrust. Neither Dick nor Betty, nor any of their children or grandchildren, attended WSU. But they said their ranching and family lives have been tremendously influenced by WSU's extension programs, including 4-H. Dick credits WSU with providing answers to questions and access to agricultural and forestry information that helped him succeed.

Small gifts were also important to the campaign. One of the funds that benefits from small contributions is the Dean's Excellence Fund. During the last fiscal year, 1,412 donors made contributions to this fund. The gifts averaged \$67, but they added up to \$94,400. This fund is particularly important because it provides us with flexibility we don't have with state funds. For example, if a student needs support to attend a national meeting, we have this source of discretionary dollars to tap. This fund also underwrites employee recognition awards, multicultural student scholarships, federal and state legislative educational efforts, and operating expenses of the development office.

Your gifts also help us fund the College's scholarship program. Last year we awarded scholarships worth more than \$280,000. Recent new gifts will



*James J. Zuiches, Dean*

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provide \$300,000 in scholarships at April's college awards banquet.

Thanks to your generosity, we can offer Dean's Merit Scholarships to attract outstanding high school seniors who represent the brightest minds of their generation. We were able to increase these one-time awards to incoming freshmen from \$2,000 to \$3,000 last fall and expect to award 20 Dean's Merit Scholarships for fall 1998.

Since 1987, the College has established 11 endowed professorships and chairs under the provisions of the Washington State Distinguished Professorship Matching Grant Program in which the legislature matches private gifts to support selected programs. Four are fully funded with state matches. The University continues to work with the legislature for added matches.

You have heard it before; I will say it again. Your gifts are important. They help us meet your expectations of the College and help us fulfill our land-grant mission. It makes me very proud to be dean of the College of Agriculture and Home Economics. Thank you for your support.

# Crack into a Can of Cougar Cheese

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