

# Utah State University Extension **Year of the Agent**





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## Utah State University Vision

Utah State University, as a state-wide multi-campus system, will be internationally recognized for its exceptional learning opportunities and world-class research.

We will achieve the highest level of excellence in learning, discovery and engagement in an environment of trust and respect.

We will expand educational access to a diverse community.

We will enhance the quality of life for individuals and communities by promoting arts and cultural programming, environmental sustainability, and by developing the technologies of tomorrow to drive economic development in Utah and in the global marketplace.

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### On the Cover

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## Message from the Vice President

## 2009: Year of the Agent

According to most dictionaries, an agent is "a person authorized to act on behalf of another." Utah State University Extension agents act on behalf of Utah State University and the national land-grant university system. Similar to a "secret agent," Extension agents are inquisitive and innovative, and they investigate emerging issues that affect the lives of Utah citizens.

However, far from working undercover, Extension agents are active in the communities where they are assigned. They become "agents of change" who solve problems and connect their communities to the science-based information and resources Utah State University and the national Extension system have to offer.

In recognition of the critical role our agents play in the Utah State University Extension organization, we have designated 2009 as the "Year of the Agent." To that end, this publication will give you a better picture of the breadth and depth of our Extension agents.

Our Extension agents and campus faculty support economic development, land-use planning, home-based businesses, community leadership, 4-H and youth programming and sustainable practices that all contribute to maintaining Utah's high quality of life. Utah State University Extension provides the tools and expertise communities need to shape their futures.

Extension is unique in structure and function. Because of its partnership with federal, state and local governments and its network of county offices and state universities, Utah State University Extension efficiently delivers educational programs at the grassroots level throughout the state and nation.

In sum, the talented people highlighted in this publication help extend Utah State University to Utah's citizens. We love our Extension agents!

It's been my pleasure to be part of Extension in four states and three countries for 44 years. Extension agents are the foundation of the Cooperative Extension Service. They serve to connect our farms, ranches and communities with the university.

Though it didn't become a reality until the Morrill Act was passed in 1862, I think you can see the concept of a land-grant university with an agricultural research station and Extension service in President George Washington's inaugural address when he said:

*It will not be doubted, that, with reference either to individual or national welfare, agriculture is of primary importance. In proportion as nations advance in population and other circumstances of maturity, this truth becomes more apparent, and renders the cultivation of the soil more and more an object of public patronage. Institutions for promoting it grow up, supported by the public purse; and to what object can it be dedicated with greater propriety?*

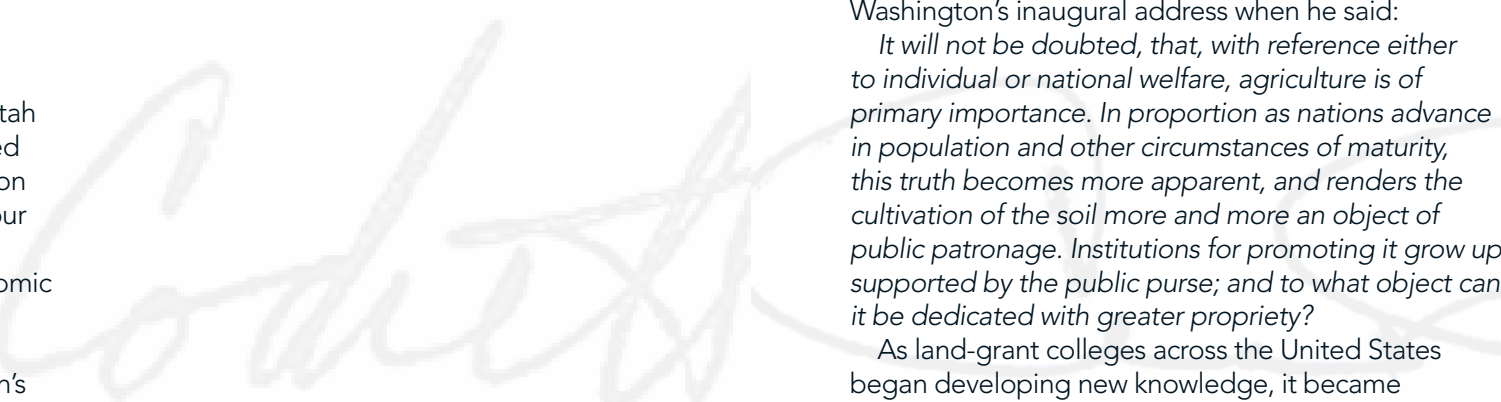
As land-grant colleges across the United States began developing new knowledge, it became apparent that the extension of that knowledge to the public was paramount to the success of these colleges and the nation. In 1914, Congress passed the Smith-Lever Act, formally creating the "Cooperative Extension Service." Many colleges, including the Utah College of Agriculture and the Mechanic Arts (now Utah State University), began the extension process much earlier. Utah State University Extension celebrated its 100th year in 2007. The first Cooperative Extension personnel were "agents." Our first Utah county agent was Robert

Haslam Stewart who was hired by USU President John A. Widtsoe in 1913. He began his career in Emery and Carbon counties.

Today the United States has about 3,300 counties that have Cooperative Extension Service offices, with most having at least one Extension agent serving the public. The Extension system has expanded to include the 1890 historically black colleges and universities, the 1994 Native American colleges and the many trust territories.

Through all these years of change, the foundation for delivery of educational programs and information to the public by the Cooperative Extension Service is the agent. New knowledge is most often created by campus faculty (often with agent collaboration), but the unique nature of Extension remains the transfer of new knowledge from the campus, by the agent, to the people.

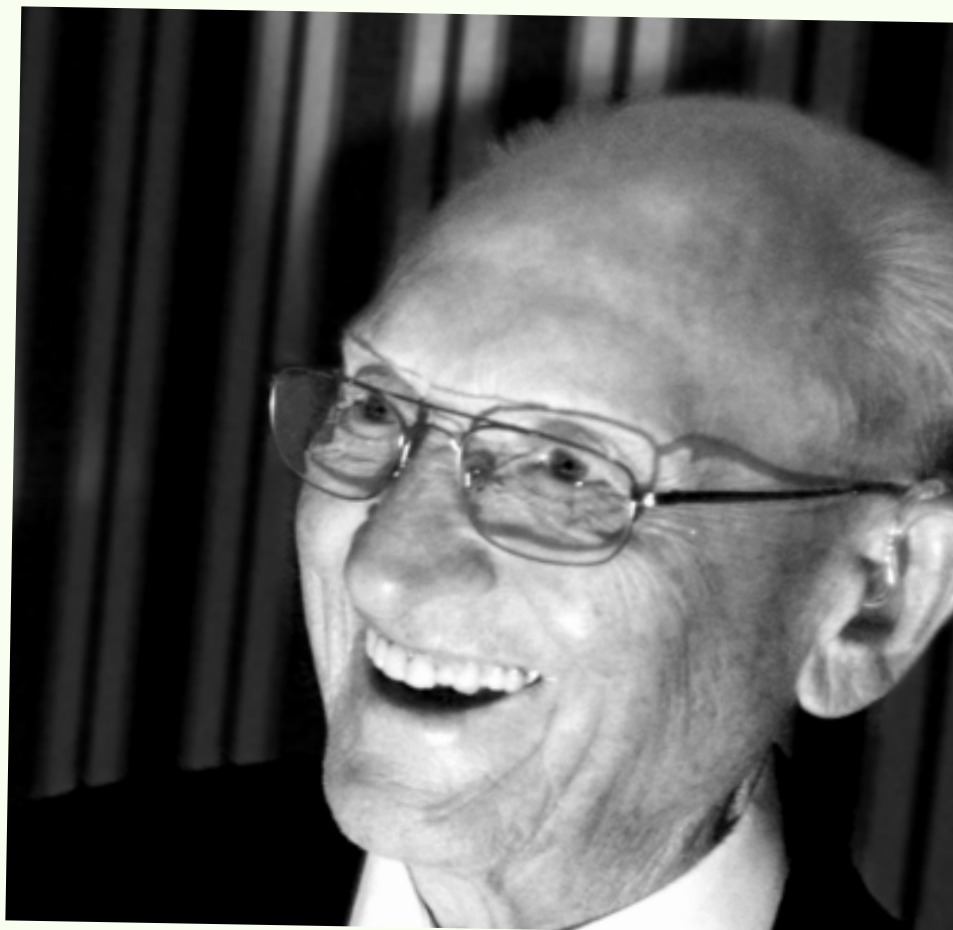
It is with great pride that we honor the contributions of Extension agents to the well-being and quality of life of people in the United States, and especially Utah, with this publication, the "Year of the Agent."



Noelle E. Cockett  
Vice President & Dean for  
USU Extension and Agriculture

Charles W. Gay  
Associate Vice President  
and Associate Director, USU Extension

Retired  
Extension Agent  
Still  
Working Hard  
at  
**100**



Lloyd Hunsaker, 2008

"We had to start working to meet all needs, not just those in agriculture and home economics," he said. "The Expanded Food and Nutrition Education Program was just beginning. The 4-H clubs were expanding, and it was wonderful to see the value of those programs to the youth."

Clark Israelsen, Extension agriculture agent for Cache County, said that even though Hunsaker retired from university service more than 30 years ago, people still talk about his impacts. Hunsaker made a difference for many people and was especially influential with his leadership in community development and dairy science.

"I have known Lloyd as a university professor, church and community leader and caring friend," said Israelsen. "He is one of those unique individuals who always bring out the best in others."

In addition to Hunsaker's university assignments, he was also heavily involved in community, professional,

church and family service. He served as a stake president for the LDS Church for 15 years and as president of the Logan LDS Temple from 1973 to 1977. He and his wife, Thelma Layton, had four children and 18 grandchildren. She passed away in 1990, and he later married Sonja Wettstein, who worked for Extension for 15 years in the Expanded Food and Nutrition Education Program.

"We married when Lloyd was 82," she said. "We have now been married for 18 years, and I plan to keep him for a long time yet."

And as Hunsaker said, he still has work to do. He has meals to deliver, sprinkler pipes to move, projects to work on and a garden to tend.

"That is what is so wonderful about Lloyd," Israelsen said. "He is always forward thinking. He has one of the most impressive vegetable and flower gardens in Cache County. He enjoys managing his well-fenced pastures. But most importantly, he plans for the future as if he were a young man." ■



Lloyd Hunsaker, 1965

Lloyd Hunsaker couldn't meet for an interview until after 2 p.m. First he had to take care of his responsibilities delivering Meals on Wheels to 16 senior citizens in Cache Valley. Once his deliveries were finished, he talked of his other projects: moving sprinkler pipe, caring for large vegetable and flower gardens at his Logan residence, mowing the yard and a summer project of tearing down an old barn on his property, hauling soil and planting grass and alfalfa.

That's a busy schedule for anyone. But it is a particularly busy schedule for a 100-year-old.

Hunsaker, a retired USU Extension county agent and administrator, turned 100 on Sept. 30, 2008. Interestingly, the organization where he worked approximately one-third of his life turned 100 in 2007.

He said the secret to living for a century is being blessed with good health and keeping busy.

"I never had a moment when I wasn't busy and having work to do," he said. "And I still have work to do!"

Extension was the beneficiary of that work for more than a third of a century. Hunsaker graduated from USU in 1935 and was hired as an agricultural agent in Piute County the next year. He then transferred to Cache County as an agricultural agent in 1943 and later worked as Extension dairy specialist. In 1956, he became supervisor of agricultural programs. He later was county agent supervisor and finally associate director for Extension until his retirement in 1970.

Noelle E. Cockett, vice president and dean for USU Extension and agriculture, applauds Hunsaker's contribution to Extension.

"It's people like Lloyd who make Extension what it is," she said. "We appreciate his many years of service and dedication to an organization that is roughly his same age. His contributions as a county agent and an administrator have been an asset throughout the state."

Hunsaker fondly remembered his relationships with the people in Extension. He said they were always very good to work with.

"I developed special relationships with the other county agents," he said. "They would call from all over and I'd visit their counties and we would work on problems together. The best job I ever had was as a county agent."

He recalled a conversation with USU President Louis Madsen. Madsen asked Hunsaker how he liked his new position in the dairy department.

"I told him it was dead up here," Hunsaker said "I was used to being in the county where things were moving. He told me I would get used to it. I did. I had to. Luckily I had a great staff of people to work with. But I missed being out working as a county agent and helping educate the farmers."

During his tenure with Extension, Hunsaker saw many changes, including a shift to work more with the urban areas.



Lloyd and Sonja Hunsaker

# UTAH AG AGENT FIRST IN THE FIELD



Robert Haslam Stewart, left

**R**obert Haslam Stewart, Utah's first county agriculture Extension agent, was inducted into the Utah State University College of Agriculture Hall of Honor on Sept. 25, 2008.

Stewart was appointed June 13, 1913, by Utah Agricultural College President John A. Widtsoe, and he served until his retirement on June 30, 1949. His first two years were in both Carbon and Emery counties, with headquarters in Price and Castle Dale. On Dec. 1, 1916, at his request, he was transferred to Box Elder County as the first county agent there.

In nomination papers submitted for the Hall of Honor Award, his son, John J. Stewart, provided insight into his father's career as an agricultural agent.

Although he began his career in Carbon and Emery, Stewart believed Box Elder had the potential of becoming Utah's number one county in agricultural production and was pleased with his appointment there in 1916. Early on, he started 4-H clubs, first known as Boys and Girls Clubs. With the backing of the Farm Bureau leaders, he promoted the county fair in Tremonton, Dairy Days and Peach Days in Brigham City. He promoted community beautification projects such as the Main Street tree lining in Brigham City. He encouraged use of superior livestock breeds, superior grains and superior fruit varieties. He emphasized weed control and soil conservation. He organized rabbit-extermination drives and helped establish a dental cooperative so farm families could afford adequate dental care. He helped establish

home economics programs and even substituted as a veterinarian before there was one available.

Stewart had good relationships with subject specialists around the state. Salaries were low, so one January at the annual Extension Service Conference, he and dairy specialist Lyman Rich exchanged overcoats so they could each have a new one.

In 1936 he launched his crusade to save the Wellsville Mountains from



further destruction due to grazing. He not only had to raise funds to buy out the sheepmen, but he had to persuade them to remove their sheep from the mountain. Most of them were cooperative in the efforts but a few

were not. One sheepman insisted the floods were an "act of God." Rather than getting angry, Stewart asked those at the meeting to participate in a demonstration. He chose three men, one with bushy hair, one with thin hair and one with no hair. He asked them to sit on the stand where all could see. Then he took a pitcher of water and poured some on each head. The bushy hair retained the water, the thin hair lost some and the bald head suffered a flood. The bald head was the man who had objected, but he became a believer as the water poured off his head.

The Wellsville Mountain Project, initiated by Stewart, has achieved wide acclaim as one of the great conservation projects in the West.

Stewart developed a love of the Wellsville Mountain area at an early age. Abandoned by his father when he was 10 years old, he and his brother would often go there to get wood, hunt and gather berries for their mother to help keep the family alive.

According to the younger Stewart, in spite of his father's challenging upbringing, he learned character and the value of hard work.

Stewart said his father had a genuine love of the soil and a compassionate love of people. He enjoyed being an agricultural agent and helping families improve their lives through improved agricultural methods.

"My dad wasn't prideful, but he took great satisfaction in Box Elder County being the number one agriculture county in Utah as far as income from farming," he said. ■



Utah County Agent Adrian Hinton, far right, coordinates the Jail Horticulture Program in his county.

## a garden of Hope

**H**ope is a word not often associated with a jail or prison, but at the Salt Lake County Jail, there is a three-acre garden that offers hope for those living in the correctional facility.

The Salt Lake County Jail Horticulture Program began in the fall of 2006. Maggie Shao, Utah State University Extension horticulture agent in Salt Lake County, was asked to help start a garden adjacent to the jail as part of the jail's ongoing commitment to rehabilitate inmates.

"Sgt. Raelene Eppard of the Salt Lake County Metropolitan Jail Programs contacted me about Extension being a co-sponsor of the program," said Shao. "We received permission and then began work on the vacant lot previously earmarked for jail expansion.

"We began by taking soil samples and sending them to the USU Analytical Laboratories. The pH and salinity looked fine, but we needed to remove the existing weeds and improve the soil texture. The plan was to grow crops naturally, without chemicals, to serve the growing desire for organic produce at farmers markets."

Over the winter of 2006, Master Gardener Kathy Dennis, Eppard and Shao selected the variety of seeds and starts for the garden and planned the rows. When it was time for class, USU Extension

in Salt Lake County provided training using the Master Gardener curriculum. Shao taught 40 hours of horticulture curriculum to prisoners who were interviewed and chosen for the program by Eppard. Master Gardener volunteers worked with the prisoners in the garden, helping them apply what they learned in the classroom. Upon completion and a passing grade on the final exam, student inmates were awarded a Utah Gardener Certificate. To date, there have been three training programs, and 28 inmates have successfully completed the program.

Eppard said the program works because of the trust and attention the inmates receive.

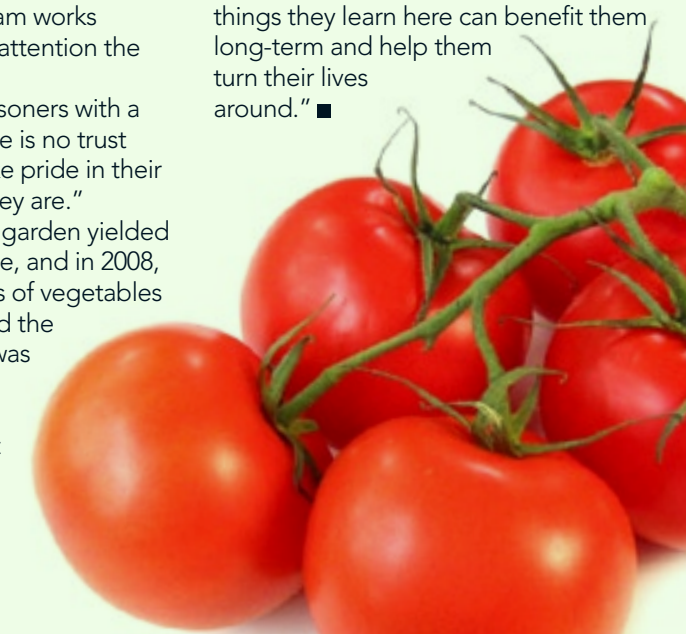
"Inside, they're just prisoners with a number," she said. "There is no trust inside. Out here, they take pride in their work and find out who they are."

In 2007, the three-acre garden yielded 17,000 pounds of produce, and in 2008, more than 19,000 pounds of vegetables were harvested. Shao said the majority of the produce was sold at the Pioneer Park Farmers Market in Salt Lake City, and 10 percent of it was donated to local missions and food pantries.

In 2008, sales at the Farmers Market generated more than \$16,000 in income that will be returned to the garden and also used to offset the initial investment.

Shao said both Extension and jail staff look forward to another productive garden year. This year, 150 thornless blackberry plants were planted and will be harvested in 2009.

"But even more important than productive gardens, this program has provided the inmates with an opportunity to be productive themselves," said Shao. "We hope the things they learn here can benefit them long-term and help them turn their lives around." ■





Jim Jensen, top left,  
Jolene Bunnell, bottom right.



Lyle Holmgren,  
far right talks to  
local ranchers.

# Three for 4-H

Though not uncommon for a person to follow in the footsteps of a mentor, it is improbable that it would happen three times in one county.

Jim Jensen, Jolene Bunnell and Lindsey Jewell are the unusual succession of former 4-Hers who became 4-H agents spanning three generations in Utah County. It's not as though they all went to the same high school or lived in the same neighborhood. Jensen is from Emery County, Bunnell is from Davis County and Jewell is from Salt Lake County.

Jensen, who has been a 4-H youth agent in Utah County since 1981, chaperoned Bunnell at the 1983 4-H Western Roundup in Denver. Five years later, Bunnell had graduated from college and moved to Utah County with her husband, Brent, who she also met through 4-H. She worked as a grade-school teacher

in Heber City for five years until she got a call from Jensen saying there was an opening for a 4-H agent and wondering if she wanted to apply.

Bunnell did and she got the job. What happened next is what Bunnell and Jewell refer to as the "Naked Chicken incident." First it is important to know that Bunnell had chaperoned Jewell at a national 4-H event in 2002, but had not seen her in four years. Next note of importance is that the Naked Chicken is neither a new dance craze nor barnyard humor of questionable taste, but rather, a small restaurant in Gunnison. As the story goes, Bunnell and family were heading for Lake Powell and Jewell was heading for Teasdale. Neither of them usually took this route but on that particular day in 2006, they both did and coincidentally met up at the restaurant.

"I told Jolene that I was heading for Seattle soon to live with relatives and possibly go to graduate school," Jewell said. "She told me a 4-H agent job was opening up in Utah County and encouraged me to apply. She said if I got the job, I could get a master's degree while I worked."

Jewell applied and got the job, and as the cliché goes, the rest is history. Jensen, Bunnell and Jewell have adjoining offices in Provo but they are seldom there at the same time. Jensen works primarily with agricultural youth projects while Bunnell and Jewell cover Utah County's extensive 4-H Afterschool Program.

Will there be a fourth generation 4-H agent in Utah County? It can't be ruled out since Jewell has chaperoned both Bunnell's daughter and Jensen's son at recent 4-H events. ■

# Beef to Baghdad

Movies and news reports about Iraq show desert land with goats and sheep, but in reality, market analysis reveals that Iraqis enjoy beef equally when they can get it. There isn't much coverage of Iraqi agriculture during the war, but the country is desperately trying to rebuild its agriculture system.

Lyle Holmgren, Box Elder County Extension agricultural agent, is working with local and regional beef producers and consultants to devise a plan to revitalize the beef industry in Iraq. Holmgren traveled to a Baghdad trade show sponsored by the Iraqi Chamber of Commerce in December 2008.

"This is just a first step to assess what they have and what they need," Holmgren said. "Iraq has been involved in the war with Iran and the two gulf wars. Little has been updated since 1978, so their entire agricultural system needs to be rebuilt."

Holmgren is working with Babylon Livestock Trading Company and Estmar Strategy Ltd. to explore options.

"This could have varying outcomes, from sending them boxed beef to shipping calves to Iraq so they can start their own production feed-lot system," he said. "Right now, their beef supply is sporadic and unregulated. If this takes off, they will be buying beef from all over the West."

David Westbrook, president and CEO of Babylon Livestock Trading Company, developed his contacts in Iraq working as a private contractor for a security company. According to Heidi Carter, chief marketing officer of Estmar Strategies, Westbrook is also a long-time cattle rancher from Arizona.

"We think Western beef has a distinct image that Iraqis will identify with," Carter said. "Of course we are interested

in selling Western beef, but we also look at this as a way to revitalize agriculture in a war-torn country and to leave Iraq a better place than we found it. A revitalized beef industry in Iraq will also produce jobs in construction, livestock management, packing, shipping and food services."

Holmgren said he is also representing the USU College of Agriculture and hopes to explore Iraqi student enrollment opportunities, exchanges and research projects. ■



Lindsey Jewell,  
Jolene Bunnell  
and Jim Jensen



# agents, columnists & commentators



Communicating is an integral part of every USU Extension agent's assignment to educate the public, and the media is one effective way to reach clientele, according to Southwest Regional Extension Director Kristine Saunders.

"All agents must encounter and utilize the media in their careers," Saunders said. "However, agents who have the opportunity and inclination to actively participate in the media find that it maximizes their efforts."

Above and beyond the occasional call from a news reporter for information, many agents regularly use the newspaper, radio, television, blogs and other media outlets to share information with the public.

For example, in Iron County, Kathy Riggs, family and consumer sciences and 4-H youth agent, has been writing a bi-weekly column for 11 years. Teresa Hunsaker, family and consumer sciences agent in Weber County, has had a monthly spot on KSL's Studio 5 live broadcast and Matt Palmer, agriculture and 4-H youth agent in Sanpete County, has a weekly gardening show on the local cable channel.

Before Palmer began his gardening show, he said his teaching capacity was limited to the 20 to 50 people who attended his classes, but now he can reach thousands. Since Palmer began in 2005, he and the cable company have produced 13 shows that are re-broadcast weekly. After

the first year, they had only produced a few shows, but the audience feedback was astounding, he said. The company's year-end survey ranked his show number two on the local cable network, second only to high school sports. Overall, Palmer said his shows have been well received.

"Media expands Extension's opportunities to teach and educate," Palmer said. "It is a good way to reach a new, diverse audience from young kids to older people and in between."

Weber County Agent Teresa Hunsaker shares similar success stories. She said the media has been a great outlet for her through her 28 years as an Extension agent, and the exposure has also helped her improve personally and professionally.

Two years ago, Hunsaker began a five-to-seven minute live broadcast on KSL Channel 5 about current family and consumer sciences-related issues. She said that not everyone has time to attend classes or find factsheets, so agents must use the media to get the word out.

"It is taking our job to the next level," Hunsaker said. "If we intend to change people's lives, we need to use the media."

Regional horticultural agent Larry Sagers said he believes he could only help a small number of people each day by using traditional teaching methods, such as distributing brochures, classroom teaching and one-on-one consultations, so he incorporates the media as another teaching tool.

Currently, upwards of 50,000 people tune into his three-hour greenhouse shows on KSL Radio each Saturday. In addition, Sagers writes a regular horticulture column for the Deseret News, never having missed a week in 18 years.

"As a land-grant university, we are trying to extend educational resources to the people of the state of Utah," Sagers said. "Without the media, we would be trying to do that with the same methods used when Extension was established 102 years ago, and that is just not practical today." ■



## Highlights of agents involved with media communications

### Agent

Jerry Goodspeed, Weber County  
Clark Israelsen, Cache County  
Taun Beddes, Cache County  
Margaret Hopkin, Morgan County  
Darlene Christensen, Tooele County  
Stephen Sagers, Tooele County  
Teresa Hunsaker, Weber County  
Sara Oldroyd, Salt Lake County

Adrie Roberts, Cache County

Carolyn Washburn, Washington County  
Kathleen Riggs, Iron County  
Matt Palmer, Sanpete County  
Rick Heflebower, Washington County  
Clint Albrecht, Beaver County  
Lisa Lewis, Piute County  
Michael Johnson, Grand County  
Larry Sagers, Weber County

### Media Outlet

Standard-Examiner  
Herald Journal  
Herald Journal  
Standard-Examiner  
Tooele Transcript  
Tooele Transcript  
KSL Channel 5  
KUTV Channel 2, KSL Channel 5  
KSL Radio  
3 local radio stations, 2 TV stations  
KVNU radio show  
The Spectrum  
The Spectrum, Times News, La Voz Latina de Utah  
Local cable channel  
The Spectrum  
Beaver Press  
Wayne County Insider  
Gardening and Extension column  
KSL Radio  
Deseret News

### Involvement

Bimonthly newspaper column  
Biweekly newspaper column  
Biweekly newspaper column  
Frequent 4-H news releases  
Newspaper column  
4-H articles  
Live broadcasts  
Live broadcasts  
Radio show  
Frequent FCS news releases  
Frequent guest  
Newspaper column  
Newspaper column  
Gardening show  
Bimonthly article  
Newspaper column  
Newspaper column  
Bimonthly newspaper column  
Weekly Greenhouse Show  
Weekly newspaper column

Larry Sagers



Justen Smith

# Agents *without* Borders

With an eager sense of duty to serve, Justen Smith runs the agriculture and 4-H youth programs as a USU Extension agent in Davis County and frequently organizes community humanitarian projects. He has served in more than 30 countries, representing Extension in most.

Smith and at least 10 fellow USU Extension agents have taken the challenge and completed voluntary international assignments to share their expertise with people of other countries and cultures. And that will go again.

When considering that agents are not required to educate beyond county, state and national borders, it is unique for Smith to have traveled so extensively. A short trip to Argentina as an undergraduate and a funded project to Ecuador as a graduate student ignited the trend. Later, when with Washington State University Extension, a three-year stay in Armenia to direct

a sheep and goat development project acted as his spring board into a pool of international opportunities representing Extension.

"It is our duty not to hide our talents, but to teach what is needed," Smith said. "There must be a balance; I have a job here in Davis County, but it is great that USU will allow us leave to teach people who are in desperate need of knowledge."

The experiences have required individual sacrifice for Smith, but he said the impacts he has brought to starving farmers and their families made all his forfeits seem insignificant.

Teamed with the nearest Extension professional in areas where possible, Smith's usual routine is to travel to villages and conduct group workshops and one-on-one farm consultations for livestock producers. During each trip, he teaches skills to help improve the farmers' bottom lines, herd health,

quality of their commodities and to transfer any knowledge that will improve their situations.

Within one year of Smith's training, 500 Armenian farmers received cash income for their goods for the first time in the 11 years that the country has been recovering from communism. The cash allowed them to purchase, not just barter for, necessities.

It was Smith who introduced castration of male livestock to Lebanon in 2007. He said for years Lebanese producers had never heard of the technique; now 250 producers practice it to improve carcass characteristics of their small ruminants. He also implemented vaccination programs that have decreased herd losses by seven times in less than two years.

Lately, the instructions he gave on proper milking helped improve

sheep and goat milk quality by 80 percent for some farmers in Lebanon in less than one year. And the list of success stories goes on.

In addition to the significant changes across the world that can be attributed to Smith, he said the experiences have helped him, too.

"These opportunities molded me into who I am," he said. "I am more thankful for my U.S. citizenship. We have it pretty good here. I have seen the worst of the worst. But all of it has helped me raise my kids better."

"We don't have all the answers; I have learned some agriculture techniques from them. The assignments have been learning experiences for me, too, from a professional and personal standpoint, and they have made me grateful for what I have."

Back in Utah, the opportunities make him a better county agent by honing his skills of transferring technical information on a personal level, the international work being an extreme. He said he has also learned to be understanding and tolerant of the culturally diverse populations in the United States today. Using his international experiences, Smith began the Cultures Around the World Program to help dispel prejudices that are often associated with immigrants.

"It is my contribution to help kids learn what I have learned," Smith said. "Understanding is the first step to avoiding prejudice."

The program is a series of 13 CD's to teach young people about the culture, language, food and

history of various countries. They are being used in Afterschool programs in nine states so far to share the diversity of the world with children.

"We live in a global society," Smith said. "I hope I am improving lives in my locale, but an international mindset is the next step."

The road to worldwide service is not easy for Extension agents; they must make or seek their own opportunity, explained Kristine Saunders, USU Extension Southwest regional director. But they certainly make a mark in the world.

"Basically, it is about people helping people," she said. ■

## Highlights of international activities

Agent	Country	Project
Kevin Heaton, agriculture and 4-H youth agent, Garfield County	Armenia Ethiopia	Worked as an irrigation technician Led a small ruminant marketing project
Sara Oldroyd, family and consumer sciences agent, Salt Lake County	Haiti	Helped develop a curriculum for a basic health class and did research on hydration of Haitian orphans vs. non-orphans
James Barnhill, agriculture agent, Weber County	Armenia	Conducted an irrigation project with the USDA
Linden Greenhalgh, agriculture and 4-H youth agent, Tooele County	China	Presented a paper at the International Grassland and Rangeland Congress in Hohhot
Mark Nelson, agriculture and 4-H youth agent, Beaver County	Ukraine	Taught dairy farmers artificial insemination and better nutrition for their cows
Debbie Proctor, family and consumer sciences agent, Wasatch County	Kenya	Conducted a small business sewing program
Adrie Roberts, family and consumer sciences agent, Cache County	Netherlands	Presentation on how the United States helps its debt-ridden population develop solutions
Dennis Worwood, agriculture and 4-H youth agent, Emery County	Argentina	Visited beef industry with a group of Utah ranchers to begin developing a natural or grass-fed beef line
Adrian Hinton, horticulture agent, Utah County	Central America Upper Egypt Costa Rica Puerto Rico	Was a humanitarian and horticulture consultant Helped 70 pomegranate farmers increase production Consulted with local high school horticulture groups Taught techniques to fruit growers to improve their fruit and vegetable crops
Kris Saunders, SW Regional Director	Rwanda	Worked on mental health and social work issues





Kelly Maxfield, center, with volunteers

# ¿Como se dice "Financial Education?"



**F**ood banks and charitable organizations are usually successful in collecting cans and boxes of food, but donated meat is harder to come by. A small group of 4-H youths from Farmington is changing this in a big way.

In 2005, the Farmington 4-H Lamb Club donated a few hundred pounds of meat to charity as a service project, explained Justen Smith, USU Extension agricultural and 4-H youth agent for Davis County.

"We called the local Catholic and LDS churches and asked them to identify families in need," he said. "We then loaded the meat up in pickup trucks and made deliveries to the church parking lots."

Kelly Maxfield, a long-time 4-H club leader in Farmington, started using his corporate connections, and donations came in from most of the northern Utah counties, said Smith. Now it not only involves 4-H youths but dozens of other people

who donate trucking, packing, fuel and time to the project. By 2008, more than 100,000 pounds of meat had been donated from 11 Utah counties, one county in Idaho and another in Wyoming.

Donors raise enough money to buy most of the 4-H livestock sold at county and state fair auctions and livestock shows over the course of about four months, Smith said. The auction "floor price" goes to the 4-H participants and the meat goes to the food bank, so everyone wins. Now, every September, volunteers from all over the state help sort and package the thousands of pounds of meat donated to the Utah Food Bank in Salt Lake City.

"This amount of meat is something we wouldn't normally get at the Food Bank — high quality lamb and pork," said Jim Pugh, executive director of the Utah Food Bank. "This donation will make a huge

difference in what we can offer to needy families along the Wasatch Front."

According to Utah Food Bank statistics, the 4-H Meat Donation Program accounts for about 5 percent of the annual donated meat.

A major change that will help the program grow even larger is that the Utah Food Bank can now accept meat from state-inspected slaughter facilities. Up until 2008, they could only accept meat from USDA-inspected facilities. This regulatory change will allow the use of substantially more processing facilities.

"This program teaches people they don't have to go around the world to help with a natural disaster," concluded Maxfield. "Just walk down the street and you can see personal tragedy in the form of starving families. I tip my hat to all the 4-Hers who helped with this. They make me feel very good about the future." ■

**W**ith the increasing population of Spanish-speaking residents in Utah, many Extension agents around the state realized this population needed help becoming acquainted with the U.S. banking system as well as an update on basic financial skills.

As an answer to this need, Extension agents in several counties around the state have developed financial education classes for Latinos.

Adrie Roberts, Extension family and consumer sciences agent began the design of the program in Cache County by hosting a community-brainstorming meeting in February of 2007. With the help of eight interns and 50-plus USU student volunteers, Roberts and other Extension personnel developed a four-session, culturally sensitive curriculum that drew 45 Latino parents and 40 children in the spring of 2008 and again in the fall. The children participated in activities while parents attended classes on checking, consumer fraud, home buying basics, insurance and credit.

Two Cache County businessmen, Rigo Chappero and Julio Vergara, taught several of the workshops. USU professor Lucy Delgado taught the group how to prepare to purchase a home.

Roberts was able to coordinate with a local elementary school and use their facilities for the workshops. In addition, local schools helped advertise the program to the parents of Latino youths. She said the English as a Second Language parent liaisons at each school were invaluable in helping draw a large crowd each time.

In addition to the financial education the parents received, the children benefitted too, said Roberts.

"Our Food \$ense assistants taught



Amanda Horrocks, Jay Bladen, Adrie Roberts and Vanessa Avila-Esparza

the children about nutrition, and our family finance interns taught them about money," she said. "We have received wonderful feedback from both parents and children. One participant wrote, 'Each subject was taught so well! I learned many things I didn't know, for example, how to save money and how to manage my credit cards. Everything was very well coordinated and taught. Thank you so much for your services.'"

In Weber County, the Extension office teamed with the Ogden/Weber Community Action Agency to offer a series of four Latino finance classes. CITI Group Financial was also a great support to the program and assisted with bilingual teachers. Child care was provided for those families in attendance.

"The response from the Latino community was very favorable," said Teresa Hunsaker, USU Extension family and consumer sciences agent from Weber County. "One family in particular was so appreciative of the information that they have volunteered to assist with the next

series of classes in February of 2009. Another family said this is the first time someone has explained things such as credit scoring, insurance and investing in a way they could understand and use to make decisions for their family."

The Sevier County Extension office has also offered Latino finance education courses. Ann Parkinson, family and consumer sciences and 4-H youth agent, said the classes were offered there through a partnership with Wells Fargo Bank and the Catholic Church. Instructor John Visarraga, a Latino community member, previously took the "Take Charge of Your Money" course in English, then taught the Latino finance course in Spanish.

Parkinson said that prior to the classes, needs assessments were conducted in the Latino community. Class topics included banking and checking, savings and spending plans and applying for and using credit. Seven of the 13 class members opened new checking accounts, and all expressed an interest in further finance classes. ■





4-H Volunteer Bridget Sheffer with students enrolled in an Afterschool Program in Iron County.

"The 4-H Afterschool Program is making a difference in the lives of students," he said. "It provides many things for these youths that they may not otherwise get. They are able to interact with others in a safe, enriching environment, they receive snacks, help with homework and the opportunity to develop unique skills."

Williams said in addition to the positive effects the program has on the youths, parents of children in the Afterschool Program report they are more productive at their work knowing their children are in a safe, supervised program that also enhances their educational experience.

Lindsey Jewell, 4-H Afterschool educator in Utah County, said the program has been a wonderful asset to the youths in her county where there are now 15 Afterschool sites.

She said the Afterschool Program is a great way to get 4-H to more children and families.

Jerryne Turnbull, Afterschool site coordinator of a Utah County elementary school, tells how the program changed the lives of two of her students.

"We have siblings who attend our program whose father is deceased, their mother has had problems with the law and they live with their grandfather," she said. "They have developed close relationships with the staff, club leaders and especially club members. Through the Afterschool Program, they have been able to participate, have fun, learn, grow and discover who they are. It scares me to think of what they would be doing without this program."

Angela Eckhardt, elementary school site coordinator, also in Utah County, echoes what the program has done for the youths at her school. She told of the bonds she has seen established among the children.

"In our program, the younger children eat snacks with the big kids," she said. "One of our kindergarten boys had an especially difficult time coming for snacks, and at first I let him have his snack in his own classroom to make the transition easier. After the third week, I asked him to join everyone else. I was with someone else at the first of the meeting, and I later noticed one of our fifth-grade boys had come to help him. I watched as he helped the little boy get his snack and he stayed with him until it was time to go to clubs. I later talked with the fifth grader and he told me he noticed the kindergartener was having a hard time. The fifth grader remembered how scared he felt the first time he came to 4-H, and he wanted to help."

Eckhardt said that students are able to build bonds they wouldn't be able to build during regular school hours.

"The Afterschool Program provides many opportunities for youths to participate in 4-H projects and clubs at schools or local community centers," said Deb Jones,

USU Extension state 4-H specialist. "The 'learn-by-doing' program covers topics from leadership development to citizenship skills to aerospace and computers. The research-based program can help young people achieve social, emotional, physical and academic success."

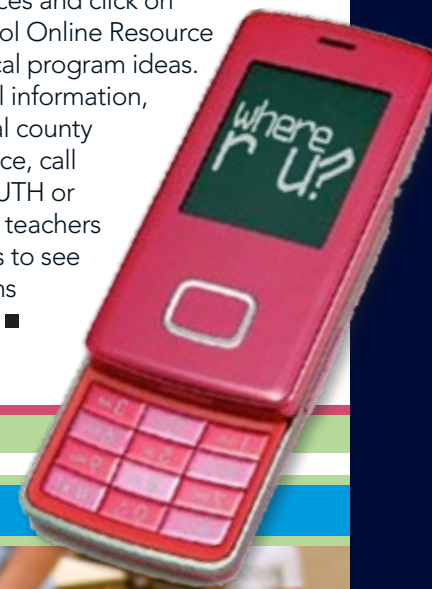
Jones said the Afterschool Program has been established in at least 14 counties and is run a little differently in each location according to county needs. Approximately 3,500 youths are involved in 4-H Afterschool clubs and activities in Utah. In a recent survey, parents reported that participation in the 4-H Afterschool Program has increased their child's academic achievement, decreased delinquent behavior, increased family bonds and increased youth social competency. Ninety-one percent of youths indicated the clubs helped them do better in school.

Kathy Riggs, Extension 4-H youth agent in Iron County, said the program has met a variety of needs in her county. She said they recently started Hispanic Afterschool 4-H, and each week the youths want to

bring more friends because they like it so much. Because there are many mentors in the county, it gives the kids more one-on-one time with a positive influence.

"One Hispanic mother said that having her kids participate in 4-H has helped them feel welcome in the community," said Riggs. "They have had a lot of stress with the immigration issues. She is happy to have the kids in a club and also to have them receive help with their homework."

The USU Extension 4-H program offers staff training for Afterschool Programs in addition to a variety of project curriculum and resources that are research-based and kid friendly. Visit [www.utah4-H.org](http://www.utah4-H.org) for links to county offices and click on the Afterschool Online Resource Center for local program ideas. For additional information, contact a local county Extension office, call 1-888-4H-YOUTH or talk with local teachers and principals to see what programs are available. ■



Afterschool activities include such programs as robotics.

**Tip:**

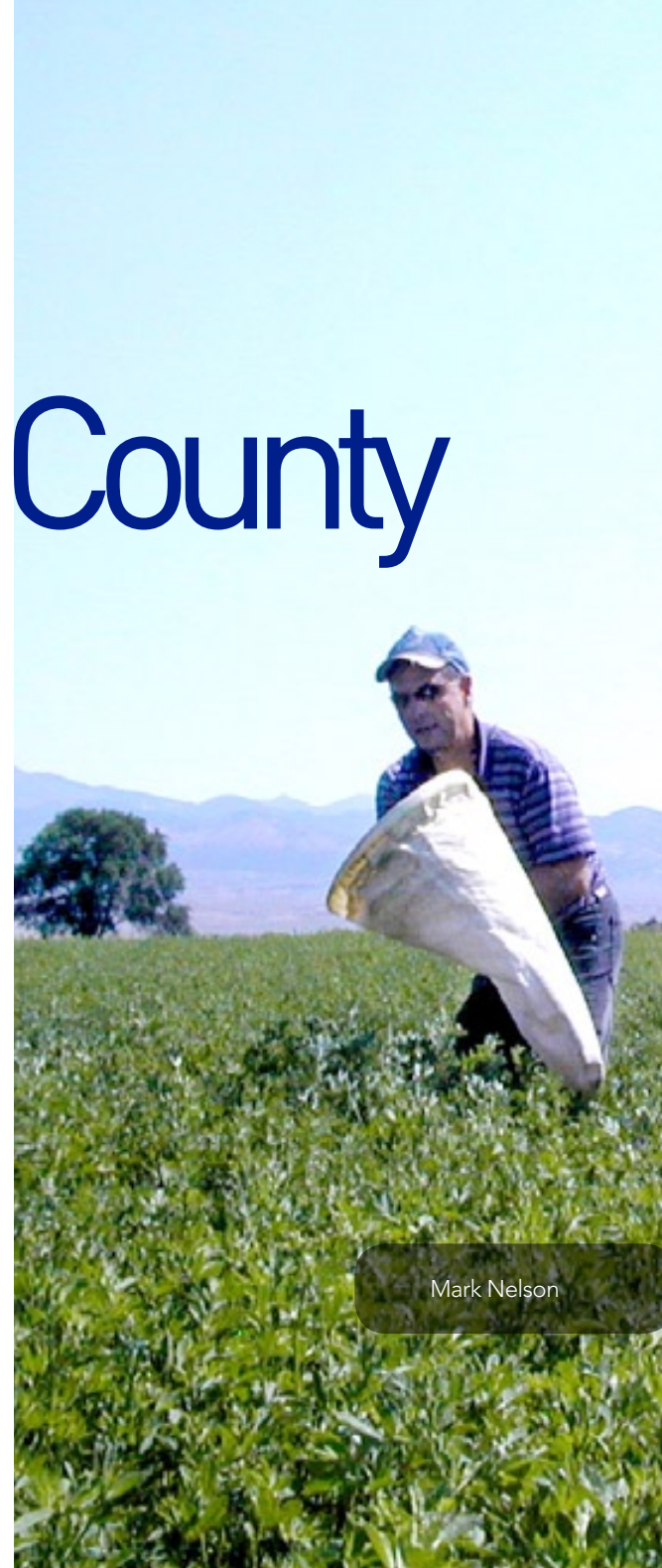
All farmers should test their soil every year. It will always pay for itself many times over.

— Mark Nelson

# Beaver County

**Mark Nelson**, agriculture and 4-H youth agent, introduced the Beef Master Program in the county and was instrumental in helping 12 cattle ranchers increase their annual production by an average of \$4,000 each. In 2002, Nelson conducted an irrigation-uniformity test on 22 pivots; the 2008 follow-up test found a 7 percent efficiency increase in many of the pivots, a savings upwards of \$1,745 per pivot each season for the producers.

**Clint Albrecht**, family and consumer sciences and 4-H youth agent, is the dedicated advisor of the 4-H Southwest Region Ambassador Program. On average, 35 youths from 10 counties participate in the ambassador program. Under his direction, the youths plan the Southwest Region Annual Teen Retreat for approximately 200 youths and adults each year. Albrecht also provides finance education. In fact, one of his Utah Saves class participants became the one millionth saver in America.



Mark Nelson



Completion of the the world's first transcontinental railroad was celebrated at Promontory where the Central Pacific and Union Pacific Railroads met on May 10, 1869. It is now known as Golden Spike National Historic Site.

# Box Elder County

**Mike Pace**, agriculture and 4-H youth agent, has been researching safflower varieties with Cache County agriculture agent Clark Israelsen over the past four years. They are currently the only ones in Utah with safflower research trial plots. Pace has been instrumental in training hundreds of growers about safflower and has provided them with research and publications to select safflower that performs well under Utah growing conditions. Utah Ag Statistics show that growers in Utah planted more than 11,000 acres of safflower in 2001, harvesting 10,345,600 pounds valued at \$1,913,936.

**Ann Henderson**, family and consumer sciences agent, has helped recruit almost 100 new 4-H volunteer leaders in the past two years. Between 1997 and 2006, 495 new 4-H volunteer leaders were recruited and 152 are still active leaders today. Nearly 1,000 individuals participated in the Food Sense Nutrition Education Program in Box Elder County in 2006-2007. Food Fun and Fitness camps enrolled 266 youths in four communities and the Bear River Mental Health Summer Youth Program in 2007. Henderson has helped 4-H youths with service projects during the past year, including assembling bracelet kits for Primary Children's Medical Center and collecting and delivering 50 pounds of aluminum pop tabs to the Ronald McDonald House.

**Lyle Holmgren**, agriculture and 4-H youth agent, is the long-time coordinator of the Junior Livestock Show which ranks among the largest in the Intermountain Region. This year there were more than 700 youths participating in market hog, sheep, dairy and bucket calf projects. In 2008, the Junior Livestock auction sold 644 animals for more than \$550,000. During his 19-year tenure as Extension agent in Box Elder County, there have been more than 10,000 4-H and FFA projects and \$7.2 million in auction proceeds that have gone back to the youths. In 1999, Holmgren developed USU Extension's first agribusiness Web site, Agline. This Web site later became the building block for the Extension Agribusiness Web site at [extension.usu.edu/agribusiness](http://extension.usu.edu/agribusiness).



Clint Albrecht



Mike Pace, left

# Cache County

**Adrie Roberts**, family and consumer sciences agent, has been a leader in Latino finance education. She also teaches educational programs in nutrition, food preservation and food safety.

**Clark Israelsen**, agriculture agent, is meeting the demands of a highly agricultural county. He has a special interest in dairy production and has worked with specialists to train a high percentage of Hispanic dairy workers. He also works with livestock producers and responds to frequent questions from small acreage owners. Israelsen assists growers with the production of small grains, alfalfa, corn silage and pasture. One of his specialties is the production of oil seed crops. Additionally, Israelsen works closely with individuals and organizations on preserving productive agricultural lands.

**Taun Beddes**, horticulture agent, has brought many groups and individuals together to create a new community garden that will be accessible to those of all abilities. St. Thomas Aquinas Catholic Church, USU Extension, local Master Gardeners, Utah Conservation Corps and many individuals have donated money and labor to make this possible. Over the next few years, the community garden will become not only a place of gardening, but also a place for community horticulture education and activity.

**Scott Williams**, 4-H youth agent, played a major role in the 4-H Afterschool Programs in cooperation with Cache County and Logan School districts. As a result of these 4-H Afterschool Programs, youths have demonstrated increased academic and social skills compared to other students, and behavior concerns have decreased in participants. Since the Afterschool Program began, police records show a decline in complaints during the 3 to 6 p.m. time when youths are in the program.

Scott Williams



Ron Patterson, Ellen Serfustini and Kathie Thayn

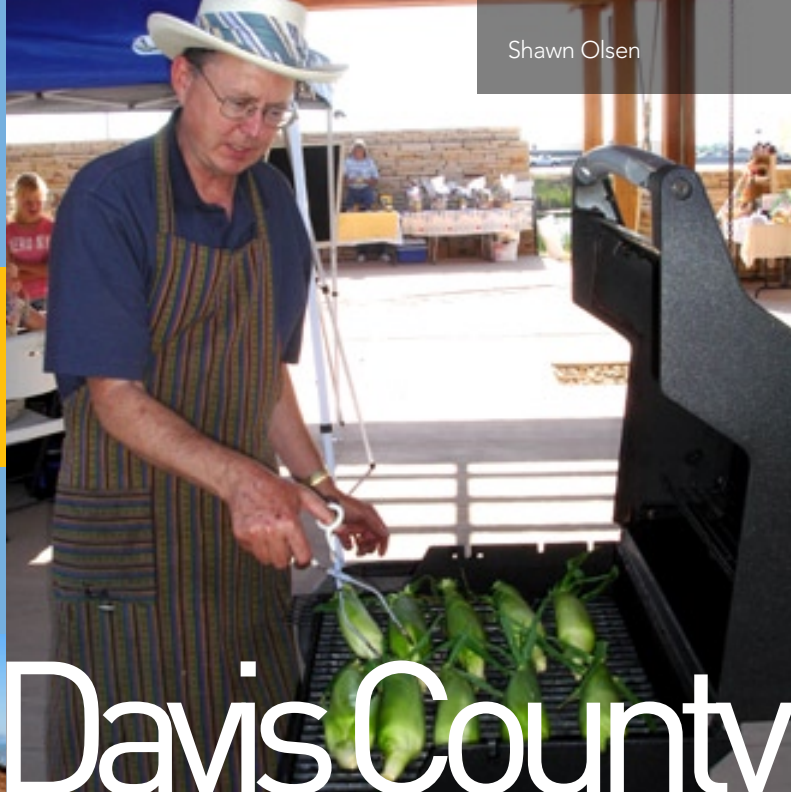
# Carbon County

**Ron Patterson**, agriculture and 4-H youth agent, has been researching methods to control Russian olive chemicals, amounts and timing. This research has been instrumental to begin removal of Russian olive along the Price River. Patterson has established community clubs to provide year-round experiences to strengthen and grow 4-H programs. Patterson is coordinating with various local, state and federal agencies to address water quality and noxious weed issues. Patterson has also worked with local growers to establish a farmers market that has added greatly to the local rural economy. In just the second year, it included 25 thriving vendors.

**Ellen Serfustini**, family and consumer sciences and 4-H youth agent, has introduced practical information to the ethnically diverse population in Carbon County through teaching finance and nutrition classes. These educational resources have helped nearly 60 low-income people pledge to save \$30,000 in one-to-three years. Serfustini has also seen results of improved behavior from her efforts to mentor at-risk youths. Those mentored are turning in more homework, getting better grades and making fewer visits to the principal's office for negative behavior.



Shawn Olsen



Rachel Rudd



Troy Cooper



Approximately 76 percent of Utah's population lives in Salt Lake, Utah, Davis and Weber Counties.

# Davis County

**Rachel Rudd**, 4-H youth agent, is ready to roll up her sleeves and get to work in her new position with Extension. While finishing her master's degree in human development, she pledges her heart to 4-H and the lives it touches.

Because of the state's inland location, Utah's snow is unusually dry, earning it the reputation of having the world's greatest powder. Thirteen Alpine ski resorts operate in Utah.

**Justen Smith**, agriculture and 4-H youth agent, has been involved in the 4-H Donated Meat Program for several years. This program accumulated and donated 100,000 pounds of meat to the Utah Food Bank in 2008. This amount of meat equals 210,000 meals. The 4-H Donated Meat Program has also helped recruit new 4-H youths into the Junior Livestock Program. Smith developed the Cultures Around the World Program which has now been adopted in eight states. He has also grown the 4-H Goat Program from 30 goats in 2004 to more than 250 in 2008. Davis County now has the largest Goat Program in Utah.

**JayDee Gunnell**, horticulture agent, has worked diligently to develop programs and partnerships at the Utah Botanical Center in Kaysville. He has worked with volunteers to develop an arboretum at the center that will evaluate tree species according to water use. Gunnell pioneered the successful Backyard Basics public-gardening classes. He is currently working on the creation and development of the Transitional Tree Arboretum at the Utah Botanical Center and the Advanced Plant and Pest Identification series for Davis County Master Gardeners.

**Shawn Olsen**, agriculture agent, is engaged in numerous projects in Davis County. He has worked with the Davis County fairgrounds to plant 19 plots of pasture grass species for research purposes. Olsen also helped arrange for 40 small trees that will fit near power lines planted at Kaysville's Ponds Park. He also helps organize a yearly water education fair for elementary school students that attracts over 1,200 students a year.

**Joanne Roueche**, family and consumer sciences agent, has had great success working with Hill Air Force Base youth and adult programs for the past seven years. She has implemented the Military 4-H Internship Program, FitFactor 4-H Program and most recently Military Saves Program and the Youth Military Saves Program. All 125 youths at the HAFB Youth Center are signed up as Youth Military Savers. The program was launched in February 2008 and holds financial education programs for military families. More than 75 people attended the first meeting.

# Duchesne County

**Troy Cooper**, agriculture and 4-H youth agent, has developed and implemented educational programs designed to enhance the productivity and profitability of agricultural enterprises. Duchesne County has nearly 28,000 beef cows and more than 57,700 acres dedicated to growing grains. Cooper plays a major role in helping producers identify pest and weed problems before they affect profitability. He helps develop and maintain 4-H programs with more than 35 percent of the county's students actively participating. Cooper also works with a conservation education program. He visits schools to educate and enhance students' understanding of agriculture, natural resources and the environment. In 2007, 3,833 students and 1,086 adults were involved with the plants, animals, water and soil mobile classroom.

**Melanie Jewkes**, family and consumer sciences and 4-H youth agent, has reached nearly 1,400 people in Duchesne County through classes and educational materials, and about 2,200 through the USU Extension Duchesne County Web site. In less than one year, Jewkes has instructed more than 300 people on food storage, food safety equipment and food preservation topics through classes or workshops. These classes have made a particular impact due to the increasing cost of food, gasoline, health care and rising home and rent expenses. Due to financial crises, many households in the county are facing difficulties that could lead to foreclosure and other financial disasters. Jewkes provided key education to more than 530 people by teaching classes and workshops that helped them organize their financial paperwork, create budgets, pay down debts and build savings.

# Emery County

**Christine Jensen**, family and consumer sciences and 4-H youth agent, plays an important role in the lives of low-income working families by educating them on nutrition and food preparation methods. She is also involved with home buyer education.

**Dennis Worwood**, agriculture and 4-H youth agent, continues to play the leading role in the Southeastern Utah Junior Livestock Show, which attracts more than 200 4-H participants and more than 2,000 spectators from throughout the state. Last year the show grossed more than \$145,000. Recently, Worwood helped host and plan a large event in his county that brought in more than 500 Boy Scouts who removed more than 13,000 acres of the nuisance weed Tamarisk from the San Rafael Swell. Worwood has also worked on research to control Russian olive using herbicides. In the past three years, he has offered sprinkler irrigation training seminars for farmers in his county who are in the midst of a \$60 million irrigation conversion process.

SuzAnne Jorgensen



# Garfield County

**Kevin Heaton**, agriculture and 4-H youth agent, specializes in sustainable livestock and forage production. Last year, in cooperation with local farmers, Heaton helped with a soil analysis trial in 46 fields in Kane and Garfield counties, helping producers to identify insufficient and excessive nutrients in their crop land to ensure proper fertilizer application. Heaton continues to encourage farmers to test their agriculture fields every three-to-five years for optimum crop production. Heaton said that a simple \$12 test can save a farmer hundreds of dollars in fertilizer expenses or significantly improve crop production by determining the correct amount of fertilizer.

**SuzAnne Jorgensen**, family and consumer sciences agent, has had great success implementing the Utah Saves Program in Garfield County. Collectively, more than 50 people have pledged to save \$3,350 per month. She holds personal and family financial management classes and introduced a financial notebook, both useful tools in helping many people in the county make significant financial changes.

# Grand County

**Michael Johnson**, agriculture, family and consumer sciences and 4-H youth agent, enjoys the diverse community rooted in Grand County. Many people setting up their first home come to Johnson with horticulture questions. Recently Johnson provided a producer with the information necessary to begin a 650-acre fruit orchard that could provide a substantial portion of the fresh fruit needed in the county. Johnson also offers up to 32 percent of local youths many opportunities through 4-H programs. Last year he was invited to speak about these programs at the National Association of Extension 4-H Agents Conference and the National Afterschool Association Conference.

Kathleen Riggs, right



# Iron County

**Kathleen Riggs**, family and consumer sciences agent, has secured more than \$800,000 over her 26-year Extension career to expand the Youth and Families with Promise and the Food Sense Nutrition Education programs in her area. With these funds, she was instrumental in hiring paraprofessionals to oversee these programs. They have since begun a soccer club for Latino youths that has helped many feel part of 4-H and the community. Riggs also conducts pressure canner gauge testing, ensuring that approximately 70 households each year engage in safe home food preservation.

**Chad Reid**, natural resources and agriculture agent, was instrumental in obtaining \$197,000 in ongoing research funds for Extension programs to study high elevation ecosystems in southern Utah. Recently, he and Dean Winward of Southern Utah University completed research on rabbitbrush. Their study is the first to show consistent control of the commonly invasive brush. Using his expertise, Reid, with the help of Box Elder County agriculture agent Lyle Holmgren and USU wildlife ecologist Charles Kay, developed the rangeland reference area Web site ([extension.usu.edu/rra/](http://extension.usu.edu/rra/)), which contains 1,571 photos of southern Utah's forest and rangeland, dating back as early as 1872. The project has been helpful to document ecological changes in the area over time, finding that landscapes have improved over the last 100 years.

# Juab County

**Jeff Banks**, agriculture and 4-H youth agent, has helped conduct the Weed Awareness Program. The program annually saves homeowners nearly \$20,000 in commercial weed spraying costs. In 2008, 520 individuals participated, representing nearly 20 percent of all households in the county. He has also helped secure more than \$24,000 in grants to help with Squarrose knapweed, Russian knapweed and other weed control programs. Banks helps with ATV, hunter and snowmobile safety programs, which together draw about 150 youths each year.

**Margie Memmott**, family and consumer sciences and 4-H youth agent, teaches adults and youths financial resource management principles to improve valuable life skills. In 2008, Memmott hosted a Volunteer Income Tax Assistance (VITA) site in Juab County, teaming with 655 volunteers at 53 additional Utah VITA sites, who collectively completed 15,569 tax returns. They saved low-income families an estimated \$1.6 million in tax preparation fees and helped 3,945 clients receive more than \$5.3 million in total earned income tax credits.



Margie Memmott, left

There have been more than 700 films and television shows shot in Utah.



# Millard County



**Julie Ingersoll**, family and consumer sciences and 4-H youth agent, addresses economic development issues in Kane County. She serves on the county's Center for Education, Business and Arts Project Task Force, and she is also on the USU Extension Best Practices Team, where she has helped create a toolkit for small business owners. Ingersoll introduced entrepreneurship to elementary students with the BizWorld and Mini-society programs. In addition, she helps homemakers and consumers maximize their resources by providing a variety of programs, including classes in prioritizing, budgeting, saving and economizing.

**Kevin Heaton**, agriculture and 4-H youth agent, works in both Garfield and Kane counties. (See Garfield County.)

# Kane County



**Jolene Johnson**, family and consumer sciences agent, held a six-week home-based/micro business course in 2008 with topics correlating to the entrepreneurial interests and needs of those in her county. She invited USU specialists and local experts to present material for the course. Similarly, she provided a five-week QuickBooks course for interested county residents.

**Seth Ohms**, agriculture and 4-H youth agent, is a new face to Extension. He is developing compatible programs for the residents of Millard County while answering many inquiries related to agriculture, natural resources and horticulture.



Jolene Johnson



# Morgan County

**Margaret Hopkin**, family and consumer sciences agent, provides finance, nutrition, food storage and preservation education to the residents of Morgan County in addition to being over 4-H and the Afterschool 4-H Program. Programs to improve the financial well being of county residents include hosting a Volunteer Income Tax Assistance site for free income tax preparation and teaching classes for the Individual Development Account matched savings program. In conjunction with the Food \$ense Program, free monthly cooking classes are offered as well as education and assistance for Women, Infants and Children (WIC) participants. An annual hands-on upholstery workshop is another unique program offered within the county.

Utah has seven national monuments: Cedar Breaks, Natural Bridges, Dinosaur, Rainbow Bridge, Grand Staircase-Escalante, Timpanogos Cave and Hovenweep.

# Rich County

**Darrell Rothlisberger**, agriculture, family and consumer sciences and 4-H youth agent, does it all in Rich County including beef cattle production, raspberry production, junior livestock and the 4-H Horse Program. He has seen a 30 percent increase in the junior livestock sale from \$80,000 to \$113,000. He was also involved in coordinating the first annual range and livestock tour with other Utah agents and participants in the neighboring states of Wyoming and Idaho.



Darrell Rothlisberger



# Salt Lake County



Sara Oldroyd

**Sara Oldroyd**, family and consumer sciences agent, has seen measurable results from attendees of nutrition education classes. Some participants actually showed lower hemoglobin A1C levels as a result of diabetic education. Post-class surveys showed increased motivation for weight loss and/or heart-healthy eating. Oldroyd has also helped county residents with grocery shopping on a budget, dietary supplement use and misuse, healthy eating for kids and weight management.

**Marilyn Albertson**, family and consumer sciences and 4-H youth agent, has been proactive in educating first-time home buyers online or in person about purchasing a home. Many Salt Lake County residents have been able to take advantage of area housing grant programs and matched savings plans to make buying a home more affordable. Financial preparation has helped many Salt Lake County residents make better choices regarding home loans and the cost of homes. Wise financial management education assists county residents old and young to save, get out of debt and handle credit responsibly.

**John Wesley**, 4-H youth agent, has played an important role in the 4-H Horse Program. Last year more than 200 youths participated in Salt Lake County 4-H horse shows.

**Maggie Shao**, horticulture agent, has expanded the Salt Lake County Master Gardener program to include volunteer projects at Tracy Aviary and the Salt Lake County Jail. The Jail Horticulture Program, using the Master Gardener curriculum, graduated 18 prisoners through the program in 2007 and 12 in 2008. Successful completion and certification of Master Gardener volunteers has increased from 50 percent to 90 percent. Shao is also working on educational programs regarding water conservation in landscaping, correct use of pesticides and food security for urban environments.

**Marcelle Smith**, 4-H youth agent, has worked hard to expand programs in 4-H to all areas in the county. She is in the process of providing community clubs to help open 4-H opportunities, particularly in ethnically diverse areas. Smith has seen young people step into leadership roles in the Teens Reaching Youth (TRY) Teams program to ensure that robotics camp and other technology programs continue in Salt Lake County.





Jim Keyes

# San Juan County



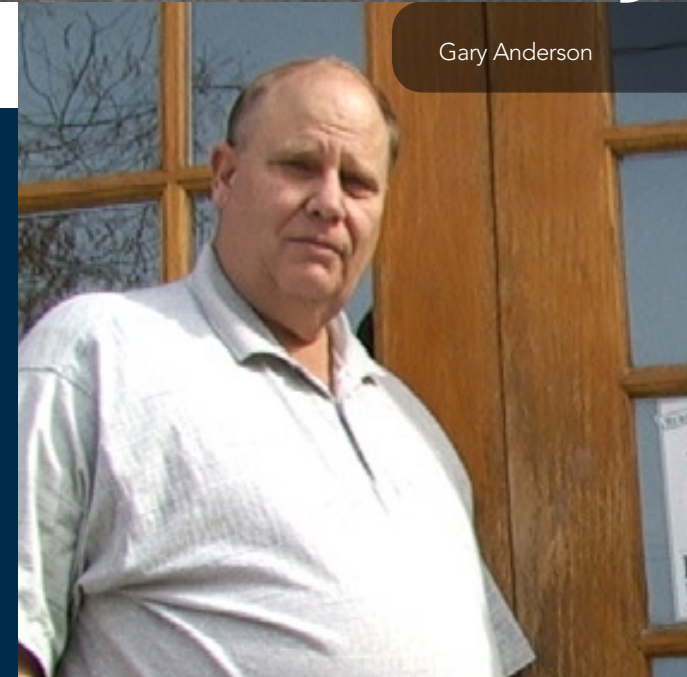
Lou Mueller

**Jim Keyes**, agriculture and natural resources agent, is developing state-of-the-art range monitoring methods using a new photo monitoring program on public lands. Growing up as the son of a working cowboy, Keyes' entire life has been involved with the beef industry and cowboy culture. Recently, Keyes developed a marketing outlet for ranch horses.

**Lou Mueller**, family and consumer sciences agent, confronts major issues facing her community in an approachable and practical way. Last year she created the San Juan Domestic Violence Coalition to raise awareness of healthy relationships and to strengthen families, which she does through directing a family and children conference annually. Working with Linda Skogrand, Extension family life specialist, Mueller helped conduct research on a Navajo reservation and created a workbook for Navajo couples seeking to enhance their marriages. This curriculum has been adopted by the Native American Fathers and Families Association. Mueller has been awarded nearly \$30,000 in grants to create and build wellness programs and fight childhood obesity in San Juan County. Components of this program include serving more fruits and vegetables in school lunches at each elementary school, assemblies with Miss Utah to promote wellness, a poster contest that continues to provide peer education for students in all grade levels and an ongoing 4-H Wellness for Life Afterschool Club.



# Sanpete County



Gary Anderson

**Anita Raddatz**, family and consumer sciences and 4-H youth agent, helped with several food canning workshops in 2008, teaching correct home food preservation. Raddatz is also enlisting more 4-H volunteers to expand the program to a wider audience. Particularly, she wants to engage youths from Spanish-speaking families in the many opportunities of 4-H.

**Tip:** Testing oat hay for nitrate toxicity, especially if turkey manure has been used for fertilizer, is the cheapest livestock insurance policy you can buy.  
— Matt Palmer

**Gary Anderson**, agriculture and 4-H youth agent, has spearheaded many fundraiser projects over his 25-year career in Extension, raising more than \$100,000 for the 4-H program in his county. Anderson, in partnership with the local FFA and Farm Bureau, began a farm-safety certification program that has trained more than 360 youths and adults in almost two decades. The program is now recognized as the longest running of its type. Anderson also was instrumental in gaining the National Heritage Area status in 2006 for the Mormon Pioneer Heritage Area, visited by more than 5 million people each year.

**Matt Palmer**, agriculture and 4-H youth agent, developed a Range and Pasture Management Workshop. This program taught more than 50 producers the latest in pasture management. He also conducted a grasshopper control meeting and tour, resulting in a project that treated over 10,000 acres of farmland, protecting hundreds of tons of hay and pasture grasses. Residents in his county can also find Palmer teaching gardening classes at the garden center or on the local cable channel.



# Sevier County

**David Drake**, agriculture agent, initiated a Master Gardener training program in his county in 2004 that has taught 65 gardeners so far. These gardeners have contributed over 1,000 hours of education and service back to USU Extension and completed several landscaping projects, with labor valued at more than \$10,000. In 2007, Drake planted a barley demonstration trial and held a producer field day in Wayne County to promote both Goldeneye and Aquilla, barley varieties developed at USU. Drake also conducted trials on liquid fertilizer products. The results saved Sevier County farmers an estimated \$180,000.

**Ann Parkinson**, family and consumer sciences and 4-H youth agent, established the first Sevier County 4-H Afterschool Program at Monroe Elementary School in 2001. She then started programs in Richfield and Salina. Because of her pioneering efforts, these programs have helped improve school performance for hundreds of students. Teachers, parents and surveys have cited benefits in students' school behavior, academic performance and participation in school activities. Parkinson also helps with the Youth and Families with Promise mentoring program, which has thrived in the county since 2000.

Chuck Gay and Sterling Banks



# Summit County

**Sterling Banks**, agriculture and 4-H youth agent, involves more than 300 youths each year in the Junior Market Livestock Program, which generates approximately \$400,000 annually. Especially during the summer, Banks is highly involved answering questions and helping to solve problems related to local horticulture.

**Susan Haws**, family and consumer sciences and 4-H youth agent, is making great strides this year building the 4-H youth program. Last year, she expanded Extension's services to several new areas of Summit County. Haws recently opened up workshops to the Park City area.



Linden Greenhalgh

# Tooele County

**Darlene Christensen**, family and consumer sciences agent, has taken the lead in hand-washing education in Utah. She has developed an educational tool called the Hand-i-Wash, which is used by 95 percent of Utah's county Extension offices to teach proper hand washing. Christensen has also developed a Web site, [www.soaperhero.org](http://www.soaperhero.org), that teaches hand-washing techniques in an enjoyable way for young people. She supervises the 4-H Youth Mentoring Program, Food \$ense Program and the 4-H Teen Afterschool Program for 7th and 8th graders where life skills are taught.

**Linden Greenhalgh**, agriculture and 4-H youth agent, focuses on rangeland improvement and weed control in Tooele County. The introduction of forage kochia, a forage and erosion control plant in Rush and Tooele valleys has increased the stocking rate sevenfold. Biosolids application to degraded rangeland in Skull Valley increased forage production and quality. The county weed control program is growing every year with more participants and acres treated.

**Stephen Sagers**, 4-H youth agent, is working with 4-H leaders in Tooele County to increase awareness and participation in 4-H programs. He is working on leadership training and development with 4-H leaders and youths. Sagers also has an interest in cultural and historical education.

The Great Salt Lake, which is about 75 miles wide, covers more than a million acres.





Boyd Kitchen



Dean Miner



JoLene Bunnell

# Uintah & Daggett Counties

**Boyd Kitchen**, agriculture, water management and 4-H youth agent, declares that successful farm management requires timely decision making based upon the information drawn together. Kitchen believes the most important nutrient a crop needs is the right amount of water. Using his expertise and USU fertilizer recommendations, Kitchen has helped local producers increase hay production while reducing production costs.

**Ronda Olsen**, family and consumer sciences and 4-H youth agent, has become well-known to many Uintah and Daggett County residents for her work in financial management, clothing and textiles and 4-H. Many Uintah locals reduced debt, prepared for retirement, purchased homes and became confident in financial decision making as a result of Olsen's classes and workshops. Last year, nearly 1,200 youths in 62 units participated in USU Extension 4-H programs. Recently, Olsen was instrumental in receiving a \$10,000 grant to promote physical activity and healthy lifestyles during the cold winter months. Olsen served on the National 4-H Clothing Curriculum Team and continues to develop support materials and train 4-H volunteer leaders.



Ronda Olsen

## Utah County

**Jim Jenson**, 4-H youth agent, is the patriarch of three generations of 4-H agents working with Utah County 4-H. Jenson has aided many Utah county residents through his long-term service in Extension.

**Dean Miner**, agriculture agent, is one of the creators of the PowerPay debt reduction software that has helped thousands of people around the world save millions of dollars in interest costs. Miner also developed a new procedure for delivering volunteer tax assistance and financial education to rural taxpayers. This process has doubled the number of tax returns an hour that can be processed, saved residents more than \$15,000 in document fees and is being considered by the IRS as part of their rural tax initiative.

**JoLene Bunnell**, 4-H youth development agent, has been a key player in acquiring more than \$3.3 million in grant money to support 4-H programming in Utah County. Bunnell is an important figure to more than 3,000 youths who participate in Utah County 4-H. She has helped hundreds of them develop more responsible educational habits and leadership skills. The rapidly expanding 4-H mentoring program now hosts 15 Afterschool Program sites within the community.

**Adrian Hinton**, horticulture agent, has gathered, trained and certified more than 300 master gardeners in Utah County who have donated more than 12,000 hours of resourceful service to county residents. Hinton also manages a 5 1/2 acre garden maintained by jail inmates who have donated in excess of 6,000 man-hours. In addition, Hinton directs a program, Slow the Flow, that tests the effectiveness and efficiency of business and residential water sprinklers. Last year, 418 homes were visited and an \$89,000 grant was given to accomplish the ongoing work. Also of note is Hinton's work helping eradicate 96 percent of the Japanese Beetle population from the county.

**Jana Darrington**, family and consumer sciences agent, is a new face to Utah County Extension. With several educational institutions nearby, Darrington enjoys the opportunity to teach young adults about finances, food and nutrition. Last year she advanced partnerships with community agencies to provide practical education on tough financial management issues. Darrington also started to develop a retirement planning program for people of all ages.



# Wasatch County

**Vernon Parent**, agriculture and 4-H youth agent, annually hosts Extension programs to address a variety of issues from agriculture/urban interface problems to youth delinquency. In one of his top programs, Youth Leadership Training, he teaches teamwork, communication and leadership skills. Of the 64 youths who have graduated from this program, 52 of them have gone to college and two overcame suicidal depression. Another of his successful programs is the Utah Construction Career Days, a vocational event that has introduced over 10,000 high school students to career opportunities in construction.

**Carolyn Washburn**, family and consumer sciences agent, has led the way with emergency preparedness. She also focuses on healthy relationships, financial management, home buyer education, food safety and nutrition programs and youth development.

The name Utah comes from the Native American Ute tribe and means people of the mountains.



Debra Proctor



Alicia Moulton



Chuck Gay and Rick Heflebower

# Washington County

**Debra Proctor**, family and consumer sciences and 4-H youth agent, has found an educational niche in her county by teaching nutrition education to the expanding Hispanic population. Wasatch County has the fastest growing Hispanic population in Utah with a rate of 121 percent. Proctor has worked to outfit Hispanic homemakers with proper tools and techniques of cooking meat and other nutritious foods. As a member of the State 4-H Clothing Committee and National Curriculum Team, she has taught basic sewing skills to 4-H leaders in her county as well as across the state.

**Alicia Moulton**, agriculture and 4-H youth agent, has helped Master Gardeners log 2,000 hours in the past two years teaching gardening and conservation. Her skills in horticulture overlap with her ability to educate the growing population of small hobby farms. Moulton's key programs are small acreage conservation, honey bees, water use and youth development.

**Rick Heflebower**, horticulture agent, teaches people water-conservation practices to apply in the home and desert landscape. With the growing population and limited water resources of Washington County, Heflebower fills a critical need for conservation education. In spite of an increasing population, he has already seen water use decrease as a result of his efforts. In cooperation with Dixie Applied Technology College and St. George City, Heflebower is helping to "raise the bar" in his county by organizing classes for professionals to increase their knowledge in tree care, plant selection and grounds maintenance.



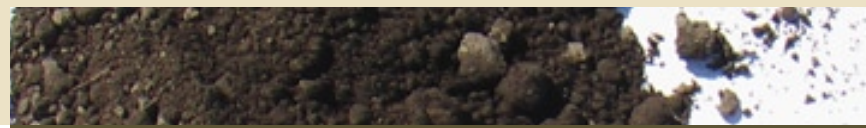


Donna Carter

# Wayne & Piute Counties

**Verl Bagley**, agriculture and 4-H youth agent, advocated for providing public drinking water systems to Thompsonville, a community with inconsistent water supplies. Grant money for water development projects in the community has exceeded \$797,000, helping to fund the recent construction of a community water system to provide every family with safe and abundant drinking water each day. Bagley also has cooperated with private landowners and the U.S. Fish and Wildlife Service to sign four safe harbor agreements to improve habitat on private property for the Utah Prairie Dog, a species up for re-nomination on the endangered species list.

**Lisa Lewis**, family and consumer sciences agent, is currently building a comprehensive, community healthy living program. Since she started with Extension in 2008, she has been designing and implementing various components of the program that address exercise and nutrition. She introduced a 4-H soccer skills camp, which gathered close to 90 children. She also helped more than 80 children learn ways to take care of their bodies. Each child designs a healthy "4-H Bear" to take home during the new Build-a-Healthy-Bear Program. Other examples of Lewis' healthy living initiative include a six-week physical fitness training for adults, walking groups in each town, nutrition and healthy cooking classes, emergency preparedness classes and a weekly column on healthy living.



**Tip:** Have a soil nutrient analysis completed regularly and apply the recommended fertilizers. Even though the price of fertilizers has doubled, so has the value of most crops and the fertilizer dollar will generally provide a greater return now than it did in the past.

— Verl Bagley

# Weber County

**James Barnhill**, agriculture agent, has been instrumental in weed control in Weber County. Over the past 10 years, he has been able to control diffuse knapweed, purple loosestrife, yellow star thistle, Dalmation toadflax and leafy spurge infestations. Barnhill also revised the Small Pasture Management Guide and had 16,000 copies printed that are used in Utah and Wyoming.

**Naomi Weeks**, family and consumer sciences and 4-H youth agent, plays a major role in the Utah Marriage Coalition. She has organized classes and activities to help create and support healthy family relationships in Weber County. Weeks has also been successful in supporting children who are in the Afterschool Programs by providing 4-H curriculum and support for 12 urban schools.

**Teresa Hunsaker**, family and consumer sciences agent, is instrumental in providing family finance and food storage/preservation education to residents of Weber County and the state of Utah through regular appearances on local news channels. She has coordinated efforts with United Way, Community Action, Cottages of Hope and the Utah Division of Child and Family Services to reach many more people in family finance. Hunsaker has made significant headway in working with the Latino population by offering family finance and diabetes classes.

**Donna Carter**, 4-H youth agent, has overseen a major expansion of 4-H programs in Weber County. Some include a Teens Reaching Youth (TRY) leadership program, more than 20 new contests, a new volunteer recognition system, a new club awards program, a resurgence of 4-H Teen Council and County Ambassadors, a multi-staged geocaching project, a new livestock test program, the introduction of county-wide service projects and new leader training programs. Carter continues to see an increase in the number of youth participants and adult volunteers in the 4-H program.

**Jerry Goodspeed**, horticulture agent and director of the Ogden Botanical Gardens, coordinates the urban forest program, volunteer recruitment through Master Gardeners, water conservation efforts and public education on most green issues. The Ogden Botanical Gardens have become a major attraction in Weber County and are visited by more than 100,000 people each year. Many community and private events are hosted there as well. The urban forestry program has saved several county communities thousands of dollars by improving the skills of county and city employees who work with the urban forests.

# Regional Directors



**Diane Reese** is the Northern Region Extension director. This administrative role covers Cooperative Extension programs and personnel in Northern Utah counties. She graduated from Utah State University with a B.S. degree in home economics education and an M.S. degree in human environments. In 1990, she began her career with Utah State University Extension in Sevier County as family and consumer sciences and 4-H youth agent. She became the Southwest district department head for USU Extension in 1995 and then moved on to be the Northern Region Extension director in 2004. She currently serves on the Western Region Middle Managers Conference Planning Committee.

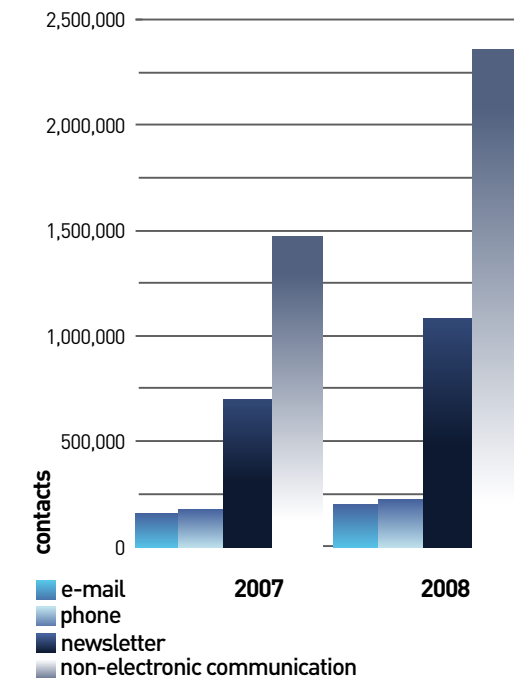
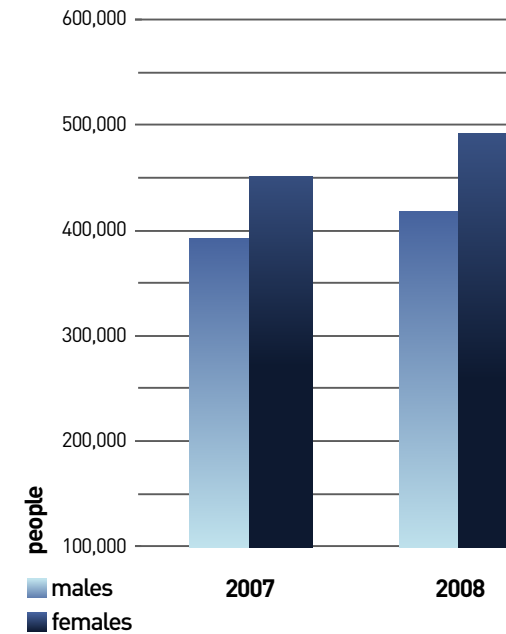


**Steven Cox** is the Southeast Region Extension director over a 10-county region in southeast Utah. He received an A.S. degree from Snow College and B.S. and M.S. degrees in animal science from Utah State University. He began his career in 1972 in San Juan County as the Extension agent for Native American programs. In 1976, he moved to Uintah County and became county director. In 1989, he became district supervisor over 10 Southeast counties and was the Utah County department head, then regional director over the North Central region in 1993. He has served on the Western Regional Middle Managers Conference Planning Committee and as chair of the Annual Conference Planning Committee. He has been a member of the National Association of County Agricultural Agents for 36 years, serving as president in 1996. He received the Distinguished Service Award in 1997.



**Kristine Saunders** is the Southwest Region Extension director. She has both a B.S. and an M.S. in nutrition and food sciences from Utah State University. She was the food stamp nutrition education coordinator for Utah for six years. For 13 years, she was the family and consumer sciences Extension agent for Cache County, working with both adults and 4-H youths. She has taught undergraduate classes at Utah State University for the department of nutrition and food sciences, been a guest lecturer for academic courses and supervised interns. For six years she hosted the weekly half-hour television show, Healthy Kitchen, where healthy eating and lifestyle issues provided topics for demonstration and discussion.

# Extension by the Numbers



# Web Communications

Unique Visitors **1,350,412**

Number of Visits **1,777,819**

Pages **4,918,566**

Hits **17,639,873**

# Non-Credit Program Highlights

This is just a sampling of non-credit program and course topics offered by Utah State University Extension. Additional courses can be designed to meet individual and community needs. Contact a local county office for current programs being offered in your area.

## 4-H AND YOUTH

ATV Safety Training  
 Citizenship and Life Skills  
 Clothing and Textiles  
 Earth, Physical and Biological Sciences  
 Farm Field Days  
 Food, Nutrition and Physical Health  
 GIS/GPS  
 Outdoor Education and Safety  
 Plants and Animals  
 Robotics  
 Service and Leadership  
 Shooting Sports and Gun Safety  
 Summer Adventure and Science Camps  
 Technology and Engineering  
 Visual and Performing Arts

## AGRICULTURE

Computerized Dairy Rations  
 Crop Management  
 Farm Safety  
 Irrigation  
 Master Beef  
 Noxious Weed Control  
 Pesticides Applicator Training  
 Risk Management  
 Small Acreage and Equine  
 Spanish Language Dairy School

## FAMILIES AND COMMUNITIES

Emergency Preparedness  
 Home-based Businesses  
 Marriage Enhancement  
 Planning for Retirement  
 Sewing and Textiles

## FINANCE AND ECONOMICS

Bankruptcy Education  
 Debt Reduction  
 Home Buyer Education  
 Take Charge of Your Money

## FOOD AND NUTRITION

Diabetes Management  
 Expanded Food and Nutrition Education Program  
 Food Preservation  
 Food Safety  
 Food \$ense

## HORTICULTURE

Landscaping  
 Master Gardener  
 Pruning  
 Water-wise Plants

## NATURAL RESOURCES

Forestry Management  
 Outdoor Recreation and Tourism  
 Range Management  
 Streamside Science  
 Water Management  
 Weed Management  
 Wildlife Management

# County Contact Information

## Northern Region

<b>Director: Diane Reese</b>	8330 Old Main Hill	Logan, UT	84322	435.797.3590
Box Elder County (Brigham)	265 West 1100 South	Brigham City, UT	84302	435.734.9945
Box Elder County (Tremonton)	400 North 1000 West, P.O. Box 206	Tremonton, UT	84337	435.257.5447
Cache County	179 North Main Ste. 111	Logan, UT	84321	435.752.6263
Davis County	28 East State Street, P.O. Box 618	Farmington, UT	84025	801.451.3403
Utah Botanical Center	725 South Sego Lily Drive	Kaysville, UT	84037	801.593.8969
Utah House	920 South 50 West	Kaysville, UT	84037	801.544.3089
Morgan County	48 West Young Street, P.O. Box 720	Morgan, UT	84050	801.829.3472
Rich County	20 South Main, P.O. Box 8	Randolph, UT	84064	435.793.2435
Salt Lake County	2001 South State Street Ste. 1200	Salt Lake City, UT	84190	801.468.3170
Tooele County	151 North Main	Tooele, UT	84074	435.277.2400
Weber County	1181 North Fairgrounds Drive	Ogden, UT	84404	801.399.8201
Ogden Botanical Gardens	1750 Monroe Boulevard	Ogden, UT	84404	801.399.8080

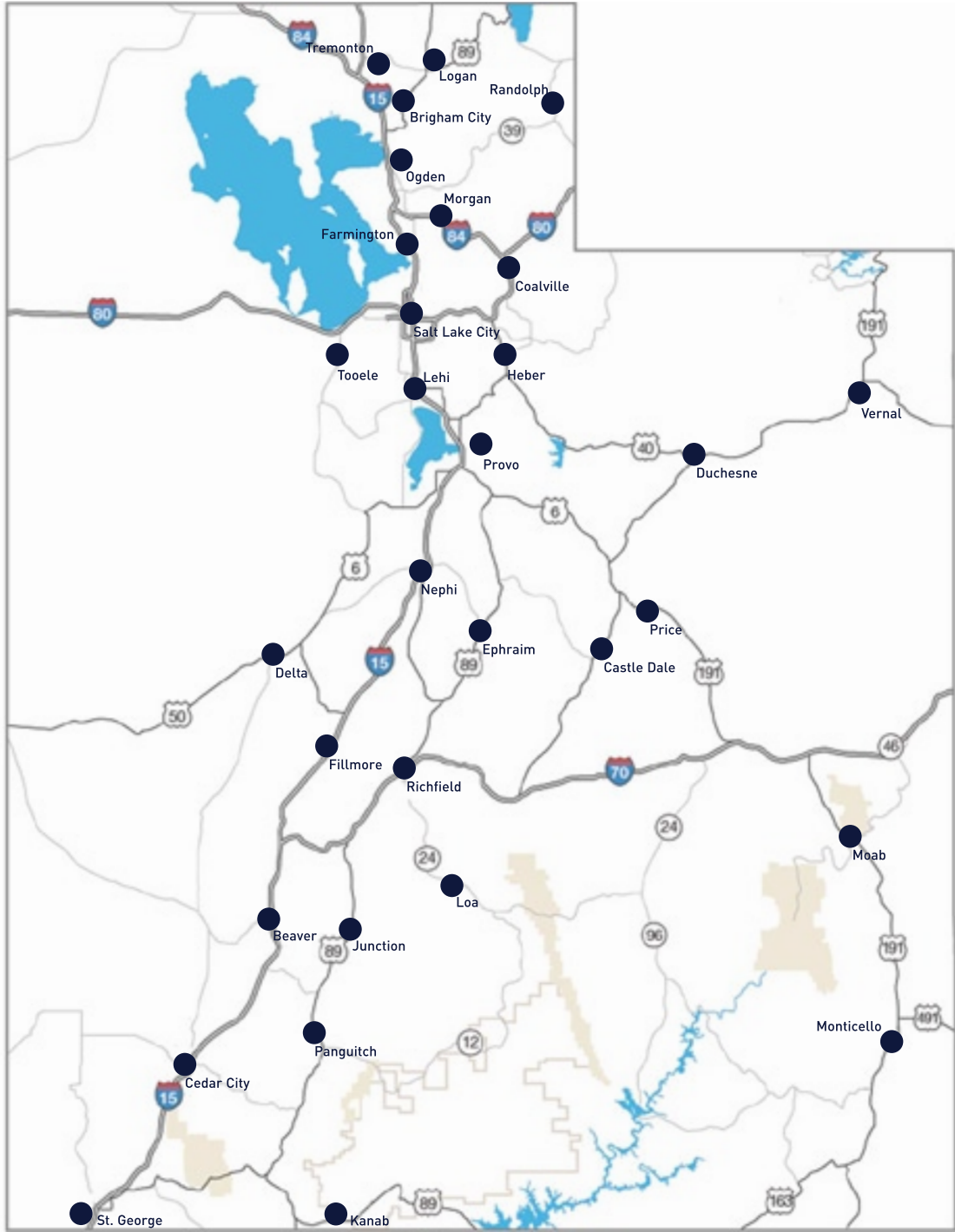
## Southeast Region

<b>Director: Steven Cox</b>	100 East Center St. Rm. L600	Provo, UT	84606	801.851.8464
Carbon County	120 East Main Courthouse	Price, UT	84501	435.636.3233
Daggett County	Served by Uintah County			435.781.5452
Duchesne County	100 South 50 East, P.O. Box 978	Duchesne, UT	84021	435.738.1140
Emery County	75 East Main #114, P.O. Box 847	Castle Dale, UT	84513	435.381.2381
Grand County	125 West 200 South	Moab, UT	84532	435.259.7558
Thanksgiving Point	3003 North Thanksgiving Way	Lehi, UT	84043	435.768.7443
San Juan County	117 South Main, P.O. Box 549	Monticello, UT	84535	435.587.3239
Summit County	45 East 100 North, P.O. Box 127	Coalville, UT	84017	435.336.3217
Uintah County	152 East 100 North	Vernal, UT	84078	435.781.5452
Utah County	100 East Center St. Rm. L600	Provo, UT	84606	435.851.8460
Wasatch County	55 South 500 East	Heber City, UT	84032	435.657.3235

## Southwest Region

<b>Director: Kristine Saunders</b>	250 North Main	Richfield, UT	84701	435.893.0472
Beaver County	105 East Center, P.O. Box 466	Beaver, UT	84713	435.438.6450
Garfield County	55 South Main, P.O. Box 77	Panguitch, UT	84759	435.676.1113
Iron County	585 North Main #5, P.O. Box 69	Cedar City, UT	84720	435.586.8132
Juab County	160 North Main	Nephi, UT	84648	435.623.3450
Kane County	180 West 300 North	Kanab, UT	84741	435.644.4901
Millard County (Fillmore, Tue/Thu)	50 South Main	Fillmore, UT	84631	435.743.5412
Millard County (Delta, M/W/F)	83 South Manzanita Avenue	Delta, UT	84624	435.864.1480
Piute County	550 North Main, P.O. Box 69	Junction, UT	84740	435.577.2901
Sanpete County	325 West 100 North	Ephraim, UT	84627	435.283.7597
Sevier County	250 North Main	Richfield, UT	84701	435.893.0470
Washington County	44 North 100 East	St. George, UT	84770	435.634.5706
Wayne County	18 South Main, P.O. Box 160	Loa, UT	84747	435.836.1312

# Cooperative Extension Sites



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