

DISCLAIMER

Electronic versions of the exhibits in these minutes may not be complete.

This information is supplied as an informational service only and should not be relied upon as an official record.

Original exhibits are on file at the Legislative Counsel Bureau Research Library in Carson City.

Contact the Library at (775) 684-6827 or library@lcb.state.nv.us.

UNIVERSITY
OF NEVADA

•Reno

Original Exhibit on file at the Legislative
Council Bureau Research Library

H 10611

ASSEMBLY NATURAL RES., AGRICULTURE & MINING
DATE: 2/24/03 ROOM: 3161 EXHIBIT H 1-11
SUBMITTED BY: Karen Hinton

University of Nevada Reno- Cooperative Extension

Provided by: Karen Hinton, Dean and Director of Cooperative Extension

Index

- 1) Cooperative Extension brochure
- 2) Cooperative Extension Impact: Water Education and Research
- 3) Cooperative Extension Impact: Statewide Initiative
- 4) Cooperative Extension Impact: Educators Help Small Ranchers
- 5) Cooperative Extension Impact: Living With Fire
- 6) Cooperative Extension Impact: Cooperative Extension Tapped
- 7) Cooperative Extension Impact: Fallon "Cancer Cluster"
- 8) Cooperative Extension Impact: "Inside Beef"
- 9) Cooperative Extension Impact: Online Coffee Shop
- 10) Cooperative Extension Impact: Beef Quality Assurance
- 11) Cooperative Extension Impact: Alternative Crops
- 12) Cooperative Extension Impact: Master Gardeners
- 13) Cooperative Extension Impact: 4-H Programs
- 14) Cooperative Extension Impact: An Ounce of Prevention
- 15) Cooperative Extension Impact: Project MAGIC
- 16) Cooperative Extension Impact: Childcare Provider Training
- 17) Cooperative Extension Impact: Parenting Program
- 18) Cooperative Extension Impact: 4-H After School Clubs
- 19) Cooperative Extension Impact: Seniors CAN
- 20) Cooperative Extension Impact: Chefs for Kids
- 21) Cooperative Extension Impact: Nevada Borders Cities
- 22) Cooperative Extension bookmark
- 23) Cooperative Extension 2002 Annual Report pamphlet
- 24) Cooperative Extension Programs: Purpose
- 25) Cooperative Extension Programs: Natural Resources
- Programs that Make a Difference (4 pages)
- 26) Cooperative Extension Programs: Agriculture Programs that Make a Difference (3 pages)
- 27) Cooperative Extension Programs: Horticulture Programs that Make a Difference (2 pages)

- 28) Cooperative Extension Programs: Community Development Programs that Make a Difference (2 pages)
- 29) Cooperative Extension Programs: Health and Nutrition Programs that Make a Difference (2 pages)
- 30) Cooperative Extension Programs: Human and Family Development Programs that Make a Difference (4 pages)

UNIVERSITY
OF NEVADA
• Reno

Cooperative Extension

University of Nevada Extension Service



Cooperative Extension

Bringing the University to You

Message from the Director

Since our beginnings in 1914, Cooperative Extension has brought the knowledge of the University to the citizens of Nevada in ways that reflect the needs of local communities. During our 86-year history, we have strived to reflect the changes in society as well as the changing needs of individuals. I think you will find the breadth of our current programs, as reflected in the pages that follow, to be a rich indication of our continued responsiveness to the diverse issues, people and communities of Nevada.

This publication highlights a number of the excellent programs that we are bringing to people across the state, targeting both our rural and urban constituencies. Our faculty live and work in communities around the state. We take pride in the partnerships that we form with local agencies, groups and individuals. As you read about our programs, I think you will see how these collaborations strengthen programs, build local ownership and help to make our educational efforts more successful and sustainable.

I hope you enjoy reading this publication and learning more about the unique ways in which Cooperative Extension is "Bringing the University to You." I also encourage you to get in touch with one of our 17 county offices and find out how you can get involved with programs in your community. Our strength is in our connection to citizens, and through citizen participation — either as program participants or volunteers — we benefit from your active involvement and input into program needs and design.

Karen L. Hinton

Karen L. Hinton, Dean and Director

A rich tradition of bringing the University's mission to you

Cooperative Extension's university research base and community connections uniquely position its faculty to respond to the lifelong learning needs of Nevada's diverse populations. This is a powerful partnership — this bridge between the new discoveries of the university and the people of the state.

"Two things are important to us," says Karen Hinton, Cooperative Extension's dean and director (see her message on the inside front cover). "No. 1 is to identify local needs and build educational programs that are relevant to the community. The second is to know that our programs are meaningful and making a difference in peoples' lives."

This report is a sampling of programs that make a difference — in the lives of youth and families, in the health of our people and precious resources, and in the prosperity of our communities. At the dawn of the 21st century, University of Nevada Cooperative Extension rededicates its mission to help people achieve a better quality of life through education. By *"Bringing the University to You,"* Cooperative Extension links citizens with an unbiased source of information they can trust throughout their lives.

What's New in 2000

Information, education, demonstration, partnership and the knowledge to strengthen the social, economic and environmental well-being of our people.

Deborah Dwyer
Communications Coordinator
Winnemucca

Art Dierker and Phyllis Chapman
Art Director

Producers

Karen Hinton
Dean and Director
Reno
Deborah Dwyer
Communications Coordinator
Winnemucca
Art Dierker and Phyllis Chapman
Art Director
Phyllis Chapman
Reno
Deborah Dwyer
Winnemucca

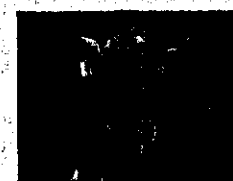
For more copies of this publication contact: Dean and Directors, Office 201, University of Nevada, Reno NV 89537, (775) 784-4070.

University of Nevada Cooperative Extension Fast Facts

- Founded in 1914 as part of the federal Smith-Lever Act. Designated a partnership between the federal government, land-grant universities and county governments.
- In 1914, the first employee, Norma Davis, was hired to give home demonstration and supervise 47 club work.
- The 43rd camp at Lake Tahoe was established in 1988.
- Cooperative Extension has been a separate college of the university since 1988 with its own dean and director named in 1998.
- Current annual funding is \$11.4 million from federal, county and state sources. This sum was augmented by \$1.23 million in grants in 1999.
- 47 offices throughout Nevada, plus satellite offices in Wendover and Mesquite.
- Staff includes 43 university faculty and 183 state classified and county employees.
- Cooperative Extension continues its delivery of non-degree community education throughout the state.
- Website: www.uncoext.nv.edu. More than 200 publications are available at www.uncoext.nv.edu.

Contents

- 2** Children, Youth and Families
- 6** Natural Resources
- 10** Horticulture - Master Gardeners
- 12** Tall Whitetop Initiative
- 14** Horticulture
- 15** Agriculture
- 19** Health and Nutrition
- 23** Community Development



The University of Nevada, Reno is an Equal Opportunity/Alternative Action employer and does not discriminate on the basis of race, color, religion, sex, age, creed, national origin, veteran status, physical or mental disability, and in accordance with University policy, sexual orientation, in any program or activity it operates. The University of Nevada employs only citizens and aliens lawfully authorized to work in the United States.

Living With Fire

Living in Nevada, it really isn't a question of preventing wildfires, they're inevitable, says Ed Smith, Cooperative Extension natural resource specialist. "This area has always burned and always will. What we *can* do is prepare for them and take steps to minimize damage to homes and loss of life."

Smith, other Cooperative Extension and Agricultural Experiment Station faculty and the Sierra Front Wildfire Co-operators (a coalition of 12 Nevada and California firefighting agencies) collaborate in a three-pronged approach to pre-fire activities:

- **Research.** With the same high-tech tools NASA uses — satellite imagery and geographic information systems — specialists developed 72 wildfire hazard rating maps covering 3,200 square miles for use by firefighters.
- **Recommendations.** Specialists help coordinate consistent recommendations for defensible space distance and vegetation management.
- **Education.** Educators train landscapers and neighborhood groups in firescape techniques.

A 12-page tabloid, *Living With Fire*, inserted in newspapers throughout northern Nevada, was adapted and printed by fire officials in 11 other states. A veteran Colorado wildfire safety coordinator commented, "This is one of the best documents I've found that illustrates wildfire hazards and mitigation options and techniques."

A June 1999 Nevada Fire Forum was organized by Cooperative Extension and other agency collaborators. For the first time, this conference brought together 120 citizens and stakeholders from across the state to set wildfire protection goals and priorities. As a result, the Nevada Fire Safe Council was formed to work in communities to reduce loss of lives and property. Individual communities are encouraged to establish local Fire Safe Councils that develop neighborhood pre-fire projects.

In April 2000, Smith received one of only ten Bronze Smokey Bear Awards given annually by the U.S. Forest Service, The Advertising Council and the National Association of State Foresters. The award recognizes "sustained, exceptional statewide service in wildland fire prevention over a minimum of two years." Smith was nominated by the Bureau of Land Management's Ron Barnett.

Future plans include further distribution of *Living With Fire*, reprinted due to popular demand. Radio and television public service announcements and billboards will further promote pre-fire activities.

PRE-FIRE ACTIVITIES: (left) Cooperative Extension natural resource specialist Ed Smith holds his Smokey Bear Award; Douglas County residents compost their combustibles; and ewes prevent fires by chomping vegetation. (bottom) 1999 wildfire rages in central Nevada.

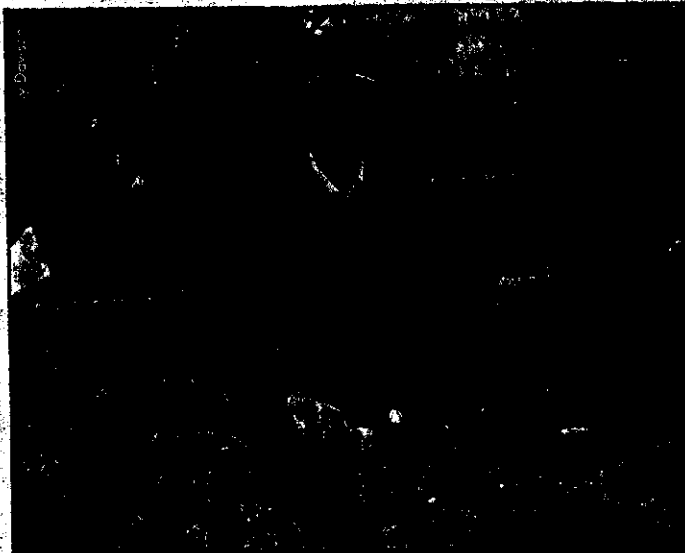
Nevada's 1999 wildfire season was particularly bad and resulted in the loss of 100,000 acres of forest. Extension's Wildfire Safety Coordinator Ed Smith has been instrumental in coordinating and implementing statewide pre-fire activities. Smith, who has been a Cooperative Extension natural resource specialist since 1980, has been instrumental in coordinating and implementing statewide pre-fire activities.

Smith and Tom Herring, Cooperative Extension natural resource specialist at the University of Nevada, Las Vegas, have been instrumental in coordinating and implementing statewide pre-fire activities. Smith and Herring have been instrumental in coordinating and implementing statewide pre-fire activities.

Other pre-fire activities include training by the Extension natural resource specialist Ed Smith and Tom Herring. They have been instrumental in coordinating and implementing statewide pre-fire activities. Smith and Herring have been instrumental in coordinating and implementing statewide pre-fire activities.

PRE-FIRE ACTIVITIES: (left) Cooperative Extension natural resource specialist Ed Smith holds his Smokey Bear Award; Douglas County residents compost their combustibles; and ewes prevent fires by chomping vegetation. (bottom) 1999 wildfire rages in central Nevada.

Cooperative Extension develops educational and research programs to enhance ranch and farm profitability, as well as promote good stewardship, sustainability of water resources and rangelands, containment of noxious weeds and resolution of public and private land disputes.



CROPS AND CASH: Cooperative Extension's Don Brazee inspects crops at Newlands.

Ranchers learn how to manage finances. Financial management workshops help producers achieve the "Quick Book" computer program. Leaders earned \$5, while 30 producers participated. They can now utilize accounting strategies to work.

Project explores compatibility of livestock and water birds. More than 70 percent of remaining U.S. wetlands are on private land, some on ranches. Cooperative Extension specialist and Bill Ollip leads a study of the New Wetlands Initiative. The study will determine if ranchers can manage wetlands for waterfowl and other wildlife.

Animal Health Bulletin goes online. Cooperative Extension veterinarian Bill Kysnicks popular newsletter is now available on the Internet. The bulletin contains information on topics such as: viral diseases, microscopy and 77. Cell or section for any other animal health subject by keyword.

Conflict resolution team with national award. Cooperative Extension facilitates help build ranches resolve public and private land disputes in a fair and equitable manner. Nevada's team of nine faculty who trained ranchers, judges and county commissioners in new mediation techniques won a national public policy education award.

Improve drip by drip. Don Brazee and Jay Davison investigate ways to use new irrigation technology to conserve and protect water. Subsurface drip irrigation has increased alfalfa and alfalfa seed yield and the economics are being studied. Several hundred producers from three states attended the drip irrigation workshop.

How much do cows cost? Cooperative Extension specialist Don Brazee developed a beef cattle computer program (Cow Cost) that calculates the profit potential for alternative breeding systems. The program is used by more than 100 producers as well as lending institutions.

Growing Degree Days helps alfalfa farmers apply pesticides efficiently. More than 370 producers in Humboldt and Pershing Counties receive this newsletter advising the optimal time to apply insecticides and pesticides to achieve the highest hay quality and environmental responsibility.

Newlands: education, research and recreation

The Nevada farmer has much to gain from the Newlands Research and Education Center, a community resource where specialists conduct applied research, and Churchill County families enjoy sports and fishing.

Cooperative Extension and the Nevada Agricultural Experiment Station continue Newlands' historic mission of strengthening agriculture and improving the farmer's bottom line. "Our mission is to conduct research to help solve agricultural problems, but we also invite families to play games in the park and fish in the pond," says Jerry Buk, Cooperative Extension area director. "Our work relates to water efficiency, ag profitability and reclamation of dewatered farmland."

Specialists plant alternative crops such as poplar trees, soybeans, warm-season grasses, switchgrass and bermudagrass, and test them for survival and production potential. Other trials include vegetables, alfalfa seed, soil amendments and herbicides. "We feel it's our job to study these crops for the farmer," said Jay Davison, Cooperative Extension specialist. "We ask questions such as, 'Will the crop survive and is it adapted to our area? Can we manage and produce the crop efficiently with available water and fertilizer? Is it economically feasible?'"

Whether it's testing new crops or trying out a new pair of soccer shoes, Newlands is a good example of what can result when Cooperative Extension and the community work together.

"We feel it's our job to study these crops for the farmer...We ask questions such as, 'Will the crop survive and is it adapted to our area? Can we manage and produce the crop efficiently with available water and fertilizer? Is it economically feasible?'"

—Jay Davison
Cooperative Extension specialist

H 8 of 11

Facilitators and technical experts guide conservation planning

Thirty people gather in the rural community center on a warm spring night. This diverse group—ranchers, sportsmen, private landowners, agency professionals and representatives of environmental groups—listens attentively as university scientists describe the condition of Nevada's rangelands. They ask thoughtful questions, make insightful remarks, pore over maps and plan field trips.

These dedicated volunteers belong to one of six local conservation planning groups. Their charge, from the Governor's Sage Grouse Conservation Team, is to learn about the bird, identify species' and human needs and develop a local 20-year plan to conserve sage grouse and sagebrush ecosystems. The Governor's team asked UNCE to facilitate and help provide scientific information to guide the local groups.

"The process is going very well," reports Doug Busselman, Nevada Farm Bureau Executive VP and member of the Governor's team. "The local groups work effectively to make a difference without the heavy hand

of a regulatory force."

The sage grouse, once numbering 2 million in the West, has decreased to 250,000 or less, and it is feared the bird will become endangered. This "indicator species" signals declining health of the sagebrush habitat. "Sage grouse is the political 'trigger,' but it's wise to take an ecosystem approach because of other species dependent on sagebrush," observes Kent McAdoo, UNCE rangeland specialist.

Adds Busselman, "Cooperative Extension facilitators and technical experts are making a valuable contribution in educating and helping volunteers stay engaged when the going might get tough. I am hopeful we're establishing a system

Photo by Alice Good



Members of a local planning group, facilitated by UNCE's Steve Lewis, meet monthly in Walker or Smith Valley to plan for sage grouse conservation and healthy ecosystems.

of solution implementation that is the future way we do business."

Volunteers extend educational programs



Volunteer Jeanne Gribbin was named Weed Warrior of the Year by the Nevada Weed Management Association for her dedication to weed awareness and abatement.

Jeanne Gribbin moved to Virginia City Highlands five years ago because of the free-roaming horses. She wanted to get them healthy and viable. What she found were acres of invasive tall-whitetop. She drove through the highlands, spraying weeds along roads and waterways and educating neighbors about the destructive plant.

"I eradicated 80 percent of whitetop from the highlands," reports Gribbin, "but it has spread to many new areas." She will soon have

help from Storey County, which hired a weed abatement employee.

Gribbin is one of more than 300 Weed Warrior volunteers, trained by UNCE's Sue Donaldson. In 2001, Weed Warriors gave more than 500 hours to enhancing the health and economy of the environment. Another 1,670 adult and youth volunteers extend UNCE's educational programs in other communities by teaching their neighbors healthy eating habits, efficient gardening practices or self-esteem-building skills to youth—to name just a few.

County Offices

CLATSOP COUNTY
 1000 College Parkway, SEASIDE
 (503) 738-1000

CLATSOP COUNTY
 1000 College Parkway, SEASIDE
 (503) 738-1000

CLATSOP COUNTY
 1000 College Parkway, SEASIDE
 (503) 738-1000

CLATSOP COUNTY
 1000 College Parkway, SEASIDE
 (503) 738-1000

CLATSOP COUNTY
 1000 College Parkway, SEASIDE
 (503) 738-1000

CLATSOP COUNTY
 1000 College Parkway, SEASIDE
 (503) 738-1000

CLATSOP COUNTY
 1000 College Parkway, SEASIDE
 (503) 738-1000

CLATSOP COUNTY
 1000 College Parkway, SEASIDE
 (503) 738-1000

CLATSOP COUNTY
 1000 College Parkway, SEASIDE
 (503) 738-1000

CLATSOP COUNTY
 1000 College Parkway, SEASIDE
 (503) 738-1000

CLATSOP COUNTY
 1000 College Parkway, SEASIDE
 (503) 738-1000

CLATSOP COUNTY
 1000 College Parkway, SEASIDE
 (503) 738-1000

CLATSOP COUNTY
 1000 College Parkway, SEASIDE
 (503) 738-1000

CLATSOP COUNTY
 1000 College Parkway, SEASIDE
 (503) 738-1000

CLATSOP COUNTY
 1000 College Parkway, SEASIDE
 (503) 738-1000

CLATSOP COUNTY
 1000 College Parkway, SEASIDE
 (503) 738-1000

CLATSOP COUNTY
 1000 College Parkway, SEASIDE
 (503) 738-1000

CLATSOP COUNTY

CLATSOP COUNTY
 1000 College Parkway, SEASIDE
 (503) 738-1000

CLATSOP COUNTY

CLATSOP COUNTY
 1000 College Parkway, SEASIDE
 (503) 738-1000

What Is Cooperative Extension?**Our purpose**

We're the outreach college that extends knowledge from the University of Nevada — and other land-grant universities — to local communities to address issues. We are a federal-state-county partnership with 17 offices throughout the state. Our more than 200 personnel — with the help of volunteers — deliver non-degree educational programs based on local needs. In 2001, UNCE made more than 540,000 face-to-face contacts with community citizens, a 26 percent increase over 2000.

Our program areas

- ▶ Agriculture
- ▶ Community Development
- ▶ Health and Nutrition
- ▶ Horticulture
- ▶ Human and Family Development
- ▶ Natural Resources

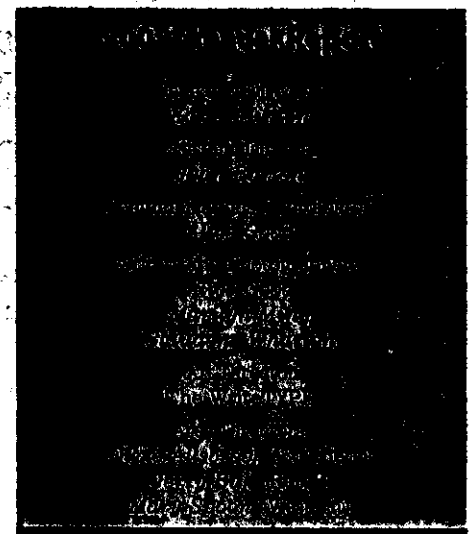
Our mission

To discover, develop, disseminate, preserve and use knowledge to strengthen the social, economic and environmental well-being of people.

UNCE publications

To access our more than 460 on-line publications, log on:

www.unce.unr.edu/pubs.html

UNCE educates in all 17 counties!

The University of Nevada, Reno is an Equal Opportunity/Affirmative Action employer and does not discriminate on the basis of race, color, religion, sex, age, creed, national origin, veteran status, physical or mental disability, or sexual orientation in any program or activity it operates. The University of Nevada employs only United States citizens and aliens lawfully authorized to work in the United States.

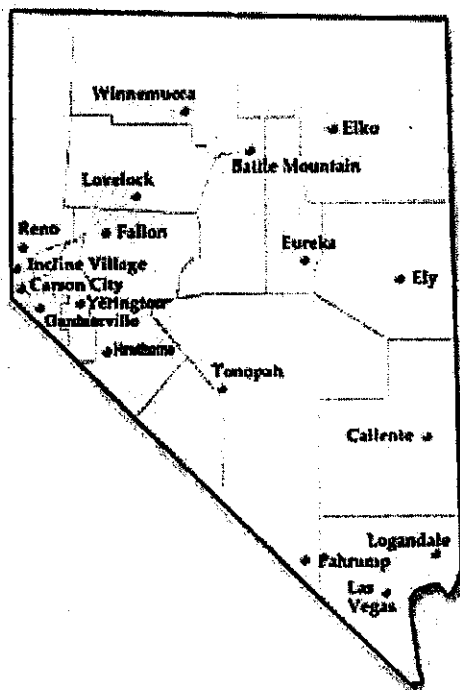
COOPERATIVE EXTENSION Programs

Our Purpose

We're the outreach college that *extends* knowledge from the University of Nevada to local communities to address critical issues. We have 18 statewide offices. More than 200 personnel – with the help of volunteers – deliver nondegree, educational programs based on local needs.

Our Program Areas

Agriculture
Community Development
Health and Nutrition
Horticulture
Human and Family Development
Natural Resources



Our Mission

To discover, develop, disseminate, preserve and use knowledge to strengthen the social, economic and environmental well-being of people.

Our Values

Quality community education
Responsive to needs of a diverse society
Innovative thinking, flexibility, integrity and dedication
Teamwork and collaboration
Accountability and ethics

Administrative Offices

Karen Hinton, Dean and Director

E-mail: hintonk@unce.unr.edu

NJC 118, Mail Stop 404

Reno, NV 89557-0106

(775) 784-7070

2345 Red Rock Blvd., Suite 330

Las Vegas, NV 89146-3157

(702) 251-7531

Visit our website: www.unce.unr.edu

Bringing the University to You

Visit our website at www.unce.unr.edu

The University of Nevada, Reno is an Equal Opportunity/Affirmative Action employer and does not discriminate on the basis of race, color, religion, sex, age, creed, national origin, veteran status, physical or mental disability, sexual orientation, in any program or activity it operates. The University of Nevada employs only United States citizens and aliens lawfully authorized to work in the United States.