



California-Pacific Section

Society for Range Management

Needlegrass Notes
Spring Meeting 2003
Issue 49:2

Your 2003 Section Officers & Board

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209-274-4188

SRM California-Pacific Section & UC Rangeland Watershed Program Workgroup Joint Meeting

Sierra Foothill Research and Extension Center –
Browns Valley, CA

March 26-28, 2003

Dan Macon

The California-Pacific Section of the Society for Range Management and the University of California Rangeland Watershed program Workgroup will meet on March 26-28, 2003, at the Sierra Foothill Research and Extension Center (SFREC) in Browns Valley. Accommodations are available at the Northern Queen Inn in Nevada City – please make your reservations soon (rates, contact information and a list of alternative accommodations is included in this newsletter). Transportation between Nevada City and the SFREC will be provided.

The agenda will feature presentations on the history of range research and extension, and updates on current rangeland research underway at SFREC. Thursday afternoon and Friday morning discussions will be held in the field. The SFREC will host a barbecue dinner and social hour on Thursday evening. And best of all – SRM members can get all this fun and education for a mere \$50 Registration fee!

Your 2003 Committee Chairs & Members

Audit: Royce Larsen

relarsen@ucdavis.edu (805) 237-3110

Dave Kelley dbkelley@jps.net

(530) 753-1232

Awards Co-Chairs: Holly George

hageorge@ucdavis.edu

(916) 283-6270

Tim Koopmann tkoopman@puc.sf.ca.us

(510) 862-2233

Members: Fred Thomas, Darrel Sweet,
Rod Tripp

Information & Education Chair:

Sheila Barry sheilabarry@hotmail.com

(925) 371-0154 x41

Members: Marc Horney, Mel George,
Phil Hogan, Nita Vail

Meetings Chair: Dan Macon

dan.macon@ca.usda.gov

(530) 823-5687 x115

Members: Ken Fulgham, Ceci Dale
Cesmat

Membership Chair: Mike Dolan

mdolan@ca.blm.gov (530) 233-4666

Members: Lynn Huntsinger, Bertha
Gillam

Nominations & Elections Chair:

Rick Delmas redelmas@ucdavis.edu

(760) 873-4668

Members: Mike Stroud, Jack Artz, Neil
McDougald

Professional Affairs Co-Chairs:

Bill Frost wefrost@ucdavis.edu

(530) 621-5509

Liz Kellogg tds@inetworld.net

(760) 749-2247

Members: Orrin Sage, Dianna Brink,
Tom Frolli

Public Affairs Chair: Jim Sullins

cdtulare@ucdavis.edu

Members: Bill Weitkamp, Ray
Budzinski, Todd Swickard

Student/Affairs Chair: Edie Jacobsen

jacobsenea@efdswnavy.mil

(619) 532-3618

Members: Dave Dubose, Mike Stroud,
Theresa Ward, Adriana Sulak, Royce
Larsen

Join the CALPAC Section in Historic Nevada City

Originally called Deer Creek Dry Diggins, Nevada City was officially named in 1850. During the next year, the town became the county seat of newly created Nevada County. By 1856, only Sacramento and San Francisco could boast a greater voting population during presidential elections.

After the initial Gold Rush, merchants, bankers and other businessmen came to Nevada City and built the Victorian homes that give the town its present charm. Like many foothill towns, Nevada City burned to the ground on several occasions, accounting for the prevalence of commercial buildings constructed of brick and iron.¹

On Wednesday evening (March 26), conference attendees will have time to explore this historic town. The following restaurants are located in Nevada City's historic downtown:

Cirino's Restaurant
309 Broad Street
(530) 265-2246
Italian cuisine, full bar

Citizen's Restaurant
221 Broad Street
(530) 265-5837
Pizza, Italian cuisine,
wine/beer

Country Rose
300 Commercial Street
(530) 265-5837
Country French cuisine,
wine/beer

Fred's Szechwan Chinese
224 Broad Street
(530) 478-0275
Chinese cuisine, full bar

Margarita's of Nevada
City
311 Broad Street
Mexican cuisine,
margaritas, wine/beer

New Moon Café
203 York Street
(530) 265-6399
Casual to fine dining,
wine/beer

¹ From www.ncgold.com.

Student Bio

Endearing and Enduring: Kristan Flynn

Susan Edinger Marshall

B.S. Rangeland Resource Science, Humboldt State University, May 2003

Endearing and enduring describe Kristan Flynn, who will soon graduate with a B.S. in Rangeland Resource Science and a minor in Geographic Information Systems. Kristan sparkles with charm. It's no wonder that her past work experience included ten years in the wine industry and a number of years waiting tables, serving the likes of Jim Carrey and Alex Trebek. She earned mondo tips with these people skills! But the pastime that contributed to her interest in the wide-open spaces was endurance riding. Kristan is an avid horsewoman. Traveling through western states, she began to see different and disturbing patterns of land use, including urban sprawl, on both state and private rangelands. As a result of visits to the north coast with her family and to visit friends, Kristan decided to pursue a degree in rangeland resource science at Humboldt State University after having attended both Cuesta College near San Luis Obispo and College of the Redwoods south of Eureka.

Last summer, Kristan embarked on a SCEP experience with the NRCS in Petaluma where she performed a variety of tasks. Under the supervision of Charlette Sanders and Jon Gustafson, she was exposed to dairy, ethnobotany and other projects. More recently, she was reassigned to the Eureka NRCS office (to complete her required hours while finishing up at HSU), working with Tom Hedt and Heidi Carpenter Harris. In Eureka, she has been helping review EQIP conservation plans and assessing conservation needs on local ranches. Her minor in Geographic Information Systems came in handy when the Eureka office added ArcView. AutoCad is still used to plot property boundaries on aerial photographs.

Kristan's senior project involves monitoring California Oatgrass (*Danthonia californica*) populations under different grazing regimes on Inland Ridges of the North Coast range. Besides experience in GIS, she feels her skills are strongest in vegetation monitoring, erosion control and conservation practices. To contact this new Cal-Pac SRM member ("the check is in the mail"), write to kristan@humboldt1.com.

Check out the SRM website at...

<http://www.rangelands.org>

SRM 2003, Casper, Wyoming Meeting

Edie Jacobsen

We had a very busy and interactive meeting in Casper. To say the least the weather varied from the 50s to –2 degrees, from sunny and windy (very) to 5 inches of snow. The San Diego contingent didn't find the snow friendly to driving, but our Humboldt representatives kept the car on the road. The California Pacific Section had 18 members in attendance. There were an additional 13 folks from California that I hope we can invite to future section meetings and gain their membership.

The Advisory Council (AC) met all day Saturday and Sunday afternoon. We were represented by Edie Jacobsen (president-elect), and proxy's for Henricus Jansen (president) and Dan Macon (past president). Thanks to Susan Marshall, Ken Fulgahm, Royce Larsen, Ceci Dale-Cesmat, and Danny Marquis for representing our section at the AC. Most sections did not send 3 votes and in fact generally only 11 to 14 sections were present at any one time. The 2 proxies we were able to gather gave us a full compliment of 3 votes and thus more representation at the Council.

AC business included recommendations to the SRM Board of Directors regarding clarification of the bylaws for the selection of the annual meeting, language for a non discrimination clause, Reno as the 2007 meeting location, use of a web based forum for a summer meeting business for the AC (there is a problem obtaining the required 11 Section representation for quorum at the summer meeting).

The AC received the Executive Vice President report on finances, information on a potential SRM bed and breakfast venture with SRM members (SRM travelers will pay to stay at a SRM member home, proceeds to go to the endowment, section, and Headquarters).

The AC also worked in small groups and together to brainstorm the value of SRM and the question "How do we position SRM for the future".

If you want more details about the AC, the minutes of the AC meeting will be available soon.

Susan Marshall was a guest speaker at the Plenary Session. Her talk on why we all became Range Managers and the importance of our future members was inspiring. Susan's talk was titled "The Future of the Range Management Profession." She started out by touching on SRM core values identified by the Journey to Change Process; love of rangelands, love of learning and love of camaraderie. Other questions that guided her talk were; How does SRM change as society changes? How do we help the public hear the SRM story? Our Cal-Pac secretary then addressed the following three topics. 1) What can universities do to maintain range programs and recruit future range managers? 2) How do we protect threatened rangelands? 3) How do we get the SRM story out to the public? Susan announced a plan to develop a "publication prospectus" for an SRM calendar to be considered by the parent society at their summer meeting. (A recent phone call revealed that the SRM BOD will have a retreat in Denver in May, but that no summer meeting date or location has been announced as of 2/12/03). Representatives from BLM and NRCS have agreed to work with her on the calendar prospectus. In conclusion, Susan likened SRM to an unfinished quilt that she held up for all to see. It is handmade from many different fabrics, just as we have different rangelands, sections and individual members. It is unfinished in that there are repairs to be made and pieces to be added; SRM will continue to change and new members will be added.

Continues on Page

SRM 2003, Casper, Wyoming Meeting (*Continued*)

I also want to thank Stephanie Larson, Theresa Ward, Ken Fulgham, and Tommy Wright (a former Section member and new President of the National Capital Section) for helping our High School Youth Forum delegate (Judy Nelson) practice for her talk. It is a lot of work to prepare for these talks and the last minute coaching from our members is a great boost to the kids. Practice is always late in the evening (9-11pm) on Sunday and Monday nights. This year however, our delegate missed her plane and did not arrive until Monday morning. Not only did she miss her plane, but her power point presentation would not load onto the computer Monday night (her talk was first thing in the morning Tuesday). Tommy saved the day and was able to get her presentation to work. Judy's poise in adversity was outstanding. She did a great job Tuesday morning with her slides, presentations, answering the judges questions, and remembering to repeat the question to the audience (how many technical sessions have you attended where the speaker did not repeat the question?). Her depth on knowledge on invasive species was impressive. She was ranked in the top 10 of 21 candidates.

If you want to find out more about the meeting you can contact anyone of the 18 section members in attendance. They were: Mark Gish, Royce Larsen, Danny Marquis, Neil McDougald, Ceci Dale-Cesmat, Larry Forero, Thomas Frolli, Ken Fulgham, Edie Jacobsen, Stephanie Larson, Susan Edinger Marshall, Lori Metz, Patti Novak-Echenique, Willard Phillips, Richard Westman, Richard Reiner, Matt Wacker, and Theresa Ward.

Position Announcement - Project Manager

Implement day-to-day operations of the district office to include but not limited to grant development, implementation of grant tasks, reporting and invoicing (including review and approval of invoices for payment. Develop and maintain relationships with landowners, agency personnel, engineers and subcontractors as needed to implement grant tasks and maintain the operations of the district. Works with the bookkeepers to see that all district accounting needs are being met including but not limited to accounts payable, accounts receivable and payroll. Work with the CPA and bookkeeper to develop and monitor billing rates to reflect current costs of the district. Answer phones return phone calls and handle mail distribution and responses. Develop and mail monthly agenda packets, take minutes of the monthly meetings in accordance with the Brown Act. Contact information:

Gold Ridge Resource Conservation District
2020 Barlow Lane
Sebastopol, Ca 95472
phone: 707-823-4662
fax: 707-823-4608
email: goldrdge@sonic.net

California-Pacific Section – Society for Range Management Spring Meeting and Tour

The CALPAC Section, SRM Spring Meeting and Field Tour will be held at the UC Sierra Field Station, CA during 27-28 March 2003. Arrangements have been made at the Northern Queen Inn in Nevada City, CA for lodging. Call **1-800-226-3090** and request **CALPAC SECTION - SRM or UCCE** when making reservations. Reservations must be made by **14 March 2003 at 5 PM**. The corporate rates including tax are \$77.00 per night (single queen) {10 rooms blocked} and \$83.00 per night (double queen) {15 rooms blocked}.

Mel George, Mike Connor, and Glenn Nader have put together a great field program for all-day Thursday, followed by a Bar-B-Que at the Field Station, and a half-day field program Friday, ending with lunch. Bus and van transportation will be provided to discourage a private car caravan on the Field Station and to insure a safe and sober return to your lodging in Nevada City after the Bar-B-Que.

Friday – 1300 to 1700 – CALPAC BOD Session at Field Station Conference Room.

Please complete the registration form and return to me, with check payable to **CALPAC Section -- SRM**, at POB 383, Arcata, CA 95518 no later than **24 March 2003 at 5 PM**.

You can register by e-mail at: fulghamk@humboldt.edu , or by fax at (707-826-4145) and pay at the door.

I need an accurate headcount for the AM snacks, Bar-B-Que, and the field workshop lunches, so please preregister ASAP.

REGISTRATION FORM

Name _____ Companion _____

Address _____ City, State, Zip _____

CALPAC Registration Fee: \$ 50.00/person = \$ _____

Late Registration Fee After 24 March: \$ 60.00/person = \$ _____

Student Fee at any time: \$ 15.00/person = \$ _____

Bar-B-Que Dinner only: \$ 12.00/person = \$ _____

TOTAL AMOUNT PAID: Check # _____ = \$ _____

Spring Meeting Schedule:

Time	Activity	Speaker
	THURSDAY March 27	
8:00	Bus leaves Northern Queen Motel, Nevada City for UC SFREC	
8:30	Registration, Coffee & Do-nuts at UC SFREC	
9:00	Welcome and Introductions	Mike Connor
9:15	History of Range Research and Extension	Jim Clawson
9:35	Twenty Years of Range Forage Production and Use at UC SFREC	Mike Connor
9:45	Grazing Behavior/Livestock Distribution Study	Emilio Laca
10:05	Seasonal Forage Quality	Roger Ingram
10:25	BREAK	
10:45	Ecology of Dormancy in Grasses	Kevin Rice
11:05	Soil Moisture Use By Perennial Grasses And Summer Annuals	John Gerlach
11:25	Yellow Star thistle Control	Glenn Nader
11:45	Ranch Water Quality Planning Short Course Survey	Stephanie Larson
12:05	LUNCH	
12:30	USDA CSREES Range Program (lunch speaker)	John Buckhouse
1:05	Load bus/vans & start tour	
	Buffer Studies	Ken Tate
	Native Grass Genetics	Kevin Rice
	Paired Watershed Study	Ken Tate
	Nutrient Cycling in the Oak Woodlands	Randy Dahlgren
	Net Primary Productivity in the Oak Woodlands	John Battles
	Mychorriza in Oak Woodlands	Robert Zasoski
5:30	Social Hour	
6:30	Bar-B-Que	
After BBQ	Bus to Motel	
	FRIDAY March 28	
8:00	Bus leaves Nevada City Motel	
8:30	Coffee & Do-nuts at SFREC	
9:00	Load Buses, Travel to Oak Regeneration Plot	
	Riparian Upland Management	Barbara Allen-Diaz
	Oak Regeneration	Doug McCreary
	RDM Effects on Oak Woodland Understory/Barbed Goatgrass Control	Jim Bartolome
	RDM Effects on Runoff	Ken Tate
11:40	Lunch, Fire, Yuba River and UC SFREC	Mike Connor
12:45	Return to HQ	
1:00-5:00	SRM Board of Directors Meeting in UC SFREC Conference Room	

ANNOUNCING:

19TH ANNUAL CALIFORNIA RANGE AND NATURAL RESOURCES CAMP



JUNE 15-20, 2003 ELKUS YOUTH RANCH
HALF MOON BAY, CALIFORNIA

A camp for people 15-18 years old.
Sessions and Activities include:



- Riparian Watershed Management
- Rangeland Management
- Wildlife Management
- Field Projects
- Forestry
- Careers
- Recreation
- Private & Public Lands
- Rangeland-Urban Interface
- Tour of Operating Ranch
- Mock Town Council Meeting

Awards Available

The top three campers are eligible to attend the High School Youth Forum in Salt Lake City, Utah in February 2004

Sponsored By:

California Section of the Society for Range Management
U.C. Cooperative Extension
California Association of Resource Conservation Districts (CARCD's)
Host District – San Mateo County RCD
East Bay Municipal Utility District
U.S. Navy – Natural Resources Program
Natural Resources Conservation Service



For more information contact:

Mary Kimball, Northern California 530-795-1520
Edie Jacobsen, Southern California 619-532-3618

Highlights of the Board of Directors Meeting
(SUBJECT TO CORRECTION OF MINUTES AT MARCH 2003 BOD MEETING)
Wednesday, November 6, 2002 – 1:00 p.m. to 5:00 p.m.
The Inn at Harris Ranch
Coalinga, California

TREASURER'S REPORT (Fulgham) (as of 9/30/02 statement)

Primary Shares	\$13,519.73
Section Checking	291.77
Range camp	3,224.46
Bentley Fund	8,601.79
Certification	2,030.67
Continuing Education	2,461.55
TOTAL	\$30,129.97

COMMITTEE REPORTS

1. Awards (George/Koopman) Excellence in Range Management Award - Joann and Amanda Stewart (nominated by Stephanie Larson, John Gustafson and Charlette Sanders). The Stewart's are a mother daughter team on Pt. Reyes National Seashore.
2. Range Manager of the Year - Barbara Allen-Diaz
3. Information and Education (Connor/Barry) Main activity has been to put together the Residual Dry Matter workshop.
4. Meetings (Stechman) We had more than 103 people at the SRM/CNGA technical session in Santa Nella. For the fall meeting in Coalinga, registrations totaled 51 paid plus 9 complimentary registrations. The California Rangeland Trust workshop was attended by at least 36 people with 29 paid attendees and 11 complimentary meals.
5. Membership – (Dolan) There are 206 members of the Section as of October, up 7 from last year. Mike Dolan's survey went out to FS and BLM employees. Dan Macon would like to see results of survey discussed at the next board meeting as a specific agenda item. Regional Forester, BLM State Director and NRCS State Conservationist letter was sent by Dan Macon. (Parent hired Lesley Radke to replace Aaron Barr in membership services).
6. Newsletter (Cindy Horney) First class permit for postage will cost more than a non-profit permit (\$125 set-up, plus annual fee, plus postage at a reduced rate). First class postage didn't perform well in the last mailing. Mike Stroud reminded the group that the newsletter used to be paid for by advertisers. We could put in information about running ads in the newsletter. A motion was made to have the treasurer and newsletter editor work to get a first class, non-profit permit. Dan Macon thanked Cindy for her first year as the newsletter editor.
7. Nominations and Elections (Macon for Ceci Dale-Cesmat) Edie Jacobsen is our President Elect. New Board Members are Dennis Dudley and Dick McCleery.
8. Professional affairs (Frost/Kellogg) Members of the committee are working on the following workshops: Invasive Species: A comparison of Hawaii and California, Kona, HI, January 2003, CRM panel will identify one more topic area for future meetings.
9. Public Affairs (Fulgham) Only Weitkamp and Fulgham. (acting chair as requested by Macon) were available to meet to respond to Monte Bell's letter. They suggested editorial changes to Monte Bell's letter and recommended that it be considered at the spring Cal-Pac meeting.

10. Student Affairs (Jacobsen will be here tomorrow, Mike Stroud reported) pointed out p. 13 of newsletter that outlined range camp. Twelve women and 4 men attended. Mike Stroud thanked Dan for coming on the first day and helping students with plant collections.

OLD BUSINESS –

1. Section Name and Boundary Change (Macon/Fulgham)
 - Membership solicitation
 - Stationery - Stationery – an ad hoc committee of Fulgham, Marshall, Larsen and ?? was created to develop new stationery.
 - Map production – a draft version of the map prepared by HSU student Matthew Perry was shared with the group. Susan Marshall agreed to contact the Mexican Section and Australian rangelands Society for further refinements to the extent of the map.
2. Fall 2004 Meeting Meeting - Ken Fulgham will seek proposals from several properties in Kona for the Fall 2004 meeting.
3. Strategic Planning Retreat (Macon) – Dan Macon reported that 16 people had signed up to participate in Friday's strategic planning session.
4. California Rangeland Trust Workshop (Macon) – approximately 40 people participated in this successful workshop. Macon asked if there was interest in creating an informal working group to continue discuss these issues and to plan future joint activities with the Rangeland Trust. Dan Macon, Larry Ford, David Kelley, Ken Fulgham and Liz Kellogg volunteered to serve on the Working Group.
5. NRCS Public Service Announcement (Macon) – Macon announced that NRCS had cancelled the project due to lack of funds.
6. Parent Society Election (Macon) – members were urged to vote for Mike Stroud for 2nd Vice President. Ballots are due by November 30.

NEW BUSINESS

1. The Fall 2003 meeting will be held in Bridgeport
2. California State Fair Proposal (Macon) – Macon reported that the Section has an opportunity to develop an interpretive display in partnership with the California State Fair (and with other partners). David Kelley and Tim Koopman volunteered to explore the project further (along with Dan Macon).
3. Parent Society Nominations (Macon) – Macon referenced a letter from Jack Artz encouraging the Section to nominate representatives to the parent society board of directors. The board suggested Bill Frost as a possible candidate. Henricus Jansen will ask Bill if he is interested.
4. Certified Professional Range Manager program (Fulgham) – Ken Fulgham reported that the SRM website is unclear as to how continuing education units are applied for CPRMs. The board directed Henricus Jansen to send a letter to Leonard Jolley seeking clarification.
5. Casper Meeting (Fulgham) – Fulgham distributed information about committee meetings at the Casper meeting.
6. Correspondence – Macon referred directors to the correspondence in their packets.

Strategic Planning Update

Dan Macon

Where do you think the California-Pacific Section should be headed strategically? Your officers and board invite you to participate in a strategic planning meeting after the Board of Directors meeting Friday afternoon March 28 at SFREC headquarters. Please contact Dan Macon at (530) 823-5687 x115 or dan.macon@ca.usda.gov for more information.

(A reminder from your editor – Check your Winter 2003 Newsletter for details... Lost or tossed your copy? Check the SRM Website or e-mail me).

Alternative Accommodations

Holiday Lodge
1221 E. Main Street
Grass Valley
(530) 273-4406

Holbrooke Hotel (historic hotel)
212 W. Main Street
Grass Valley
(530) 273-1353

Deer Creek Inn (bed and breakfast)
116 Nevada Street
Nevada City
(530) 265-0363

Weed & Restoration Conferences Coming Up

There are four conferences coming up that you may be interested in:

California Native Grass Association, 2003 Annual Meeting
May 9-10, Seaside. www.cnga.org

Arid Southwest Habitat Restoration Conference
March 3-7, Palm Springs. <http://www.dmg.gov/conference.html>

Marine Bioinvasions, Third International Conference
March 16-19, La Jolla. www.sgmeet.com/mb/

**Just in Case You Missed it,
2003 Fall Meeting – Bridgeport Valley**

Dan Macon

The 2003 Fall Meeting has tentatively been set for October in the beautiful Bridgeport Valley. The newly created Rangeland Conservancy Working Group will be developing a half-day workshop on conservation easements and rangelands, and the focus of the section meeting will be on the environmental values provided by rangelands and the tools available to landowners and land managers for converting these environmental values into economic benefits.

Look who was at Casper!

Kristin Brugger	Neil K. McDougald
Ceci Dale-Cesmat	Lori Metz
Kristan Flynn	Julie A. Morrison
Larry Forero	Judy Nelson
Thomas W. Frolli	Mindy Nicoletti
William E. Frost	Patti J. Novak-Echenique
Kenneth O. Fulgham	Willard P. Phillips
Mark A. Gish	Richard J. Reiner
Valerie Hipkins	Dale Schmidt
Anton Jackson	Aimee L. Smith
Edith A. Jacobsen	Sydney E. Smith
Royce E. Larsen	Matt Wacker
Stephanie R. Larson	Diana Waller
Danny Marquis	Theresa A. Ward
Susan Edinger Marshall	Richard L. Westman

Would you like to advertise in Needlegrass Notes?

Support the California-Pacific Section and your business by advertising in Needlegrass Notes. Over 200 members receive Needlegrass Notes at least four times per year.

For more information, contact Cindy Horney at cynthiamhorney@aol.com.

Inside...

Spring Meeting Details

Casper Review

Cindy Horney
Needlegrass Notes
California-Pacific Section
Society for Range Management
2971 Sandi Drive
Chico, California 95973-0442

«Name»
«Business»
«Address»
«Address_2»
«City» «St» «zip»
«Country»

**California Grazing Academy/Low-Stress Livestock
Handling School
April 25 — 29, 2003
Sierra Research and Extension Center, Browns Valley, CA
CO-SPONSORED BY: UC Cooperative Extension and Sierra
Research and Extension Center**

Fees and Enrollment:

\$295.00 (includes meals, lodging and course materials)

Limited sleeping space available — first come, first served (bring your own sleeping bag and towel)

Class limited to 25. **NO REFUNDS. Your check guarantees your space.**

About The California Grazing Academy

The California Grazing Academy is a unique and exciting program emphasizing practical application of controlled grazing principles to improve the environment and increase ranch profit. This challenging course consists of a minimum of lecture and a maximum of hands-on experience.

After completing the Academy, course participants will be able to:

1. Assess the condition of the four basic ecological processes that determine ranch productivity.
2. Apply principles of time and stock density to improve pasture productivity and stock performance.
3. Estimate carrying capacity.
4. Apply principles of animal behavior to reduce stress.
5. Determine the supplementation needs of grazing animals.
6. Design a layout to efficiently use resources and apply controlled grazing principles. Immediately improve grazing management on their own ranch.

About The Low-Stress Livestock Handling School Philosophy

This school will be teaching principles and techniques developed by Bud Williams, the world's leading expert on handling animals. The principles and techniques can be used with success on any livestock species in any type of terrain or climate on any size herd. They can be applied on foot, horseback, or four-wheeler.

The school emphasizes hands-on experience and your participation will result in increased knowledge and skill in the following areas:

1. Step-by Step Training Approach
2. Flight and Pressure Zones
3. Movement – starting, maintaining, controlling speed, getting desired direction
4. Sorting
5. How to use these principles and techniques to place animals on the range without fences

Instructors

Roger Ingram is the livestock/range management farm advisor in Placer and Nevada Counties. His extension program emphasizes: ranch economics, controlled grazing, low stress livestock handling, range nutrition, and water quality. Roger is also developing programs on direct marketing of livestock.

Tim Westfall

Tim Westfall works for the Bureau of Land Management. He has also worked as a range rider for a grazing association in Idaho. Tim has extensive experience herding livestock on public lands using low-stress livestock handling techniques.

For More Information

Contact Roger Ingram at the UC Cooperative Extension Office/Placer County, located at 11477 E Avenue, Auburn, CA 95603, call (530) 889-7385, or email at rsingram@ucdavis.edu

An on-line registration form is available at ceplacernevada.ucdavis.edu – Just follow the link to Livestock and Natural Resources and then to California Grazing Academy.

**2003 California Grazing Academy/ Low-Stress Livestock
School Registration Form**

Please enclose a check for \$295 made out to UC-Regents with registration form. Mail completed form and check to: Roger Ingram, California Grazing Academy, 11477 E Ave, Auburn, CA 95603

Name _____

Address _____

City _____ State _____ Zip _____

Telephone _____ email _____

What types of animals do you graze or manage? _____

How many head _____ On how many acres _____