

RANGELAND NEWS



Society for Range Management

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Diversity—How Do We Move Forward Sandy Wyman, SRM BOD



I was lamenting to my Bro and fellow SRM Member Jimmy Eisner that I had composed my newsletter article only to read September's newsletter article by Rick Orr and guess what – we had very similar topics! Now what should I write about? Jimmy suggested "Diversity." I thought, hmmm... that is an excellent idea. Now if I could only get him to write the article for me, I would be set!

Have you ever thought about who we think of when we think of SRM? Do we think about rangeland management

specialists, ranchers, range ecologists, and range professors? Do we also think about soil scientists, hydrologists, fish biologists, ecologists, wildlife biologists, economists, and social scientists? How many other disciplines should we invite to SRM? We need diversity in our lives, in our jobs, and in SRM!

It takes a family of interdisciplinary folks to manage rangelands. Some folks may think that isn't necessary, but if we don't keep up with the current science, technological advances, and issues we may not be able to move forward as quickly as we could to maintain or improve rangeland conditions or the business of range management in the most prudent economical way. This will also continue to build trust among the various disciplines that have responsibilities and a desire to see our rangelands function in a sustainable manner. SRM partners with a variety of organizations and we should continue that partnership by drawing these folks to our organization.

It falls to the SRM BOD to help make decisions that best serve SRM and continue to build the organization using today's best technology and business acumen. Whew, that is tough sometimes, let me tell you! I knew I would have to make some pretty tough decisions when I decided to run for the SRM Board of Directors. After all, I don't think there is a single director that thought this was going to be a piece of cake! We all hope that during our tenure on the board, we manage to help the image, business, and membership of the society. We have had our work cut out for us the past couple years given the decrease in membership. Decreased membership means less income to help run Society business. Fortunately, along with many hard working committees, we have an incredible Membership Task Force that has been working incredibly hard the past few years to strategize ways to boost membership.

One of my SRM BOD work plan goals is to help increase international membership in SRM. So, I am taking this opportunity to ask for your help. If you have some

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Diversity—How Do We Move Forward?

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great ideas on how we can increase **International Membership**, please send them to the International Affairs Committee, Membership Task Force or me. This is my sneaky way of letting both committees know I'm going to be working on this in the near future! If you are a member from outside the USA, let us know what you value most about SRM. I will also try to contact many of our International members for your opinions. And we need to remember that we are trying to garner a very diverse membership to have the necessary discussions regarding rangeland management and to educate all in the proper management of diverse uses of our rangelands. Think outside the box for potential members. Thanks Jimmy for the idea that lead to this article – see, it paid to communicate with a Fish Biologist! Please feel free to contact me at wymansk@msn.com or 541-447-0206 with any ideas!

New Membership Dues Structure Effective Mid-October

In Summer 2009 the SRM Board of Directors adopted a new cafeteria-style dues structure and informed the membership of the impending change in the August 2009 issue of *Rangeland News*. The cafeteria-style structure is common among professional societies today. It enables individual members to select among the various membership services offered to create the suite of services that best meets each individual member's needs.

The original intent was to implement the new SRM cafeteria-style dues structure in January 2010. However, during Fall 2009 SRM also began exploring options for addressing problems with its membership data processing,

and a new goal was adopted to implement the cafeteria-style dues structure whenever changes were made to improve membership data processing. These improvements took much longer than expected, but the impending out-sourcing of membership data processing to Allen Press in mid-October 2010 has now brought us to when the new dues structure will be implemented.

The most significant change in the dues structure is that a subscription to *Rangelands* magazine has been decoupled

from membership dues. Instead, *Rangelands* will now be available as an optional subscription in the same manner that *Rangeland Ecology and Management* journal has been offered for many years. To account for the decoupling of a *Rangelands* subscription from membership dues, the annual base membership fee has been reduced by \$10, from \$85 to \$75 for sectioned regular members. All members will continue to receive the *Rangeland News* newsletter monthly.

Optional subscriptions to *Rangelands* magazine will be available for \$15/year for online access or \$30/year for online access plus a printed copy. An optional subscription to *Rangeland Ecology and Management* will be available for \$45/year for online access or \$75/year for online access plus a printed copy.

Membership dues for sectioned Student members will be reduced from \$35 to \$30/year, Sectioned Apprentice member dues will be \$55/year, and sectioned Emeritus member dues will be \$45/year. Dues will be increased from \$35 to \$40 for a sectioned additional family member of a Regular member, remain at \$25/year for an unsectioned international member, remain at \$500 for an unsectioned Commercial member, and remain at \$205 for a sectioned Institutional membership. Finally, Life Member and Life Family Member dues will remain unchanged at \$1500/year and \$250/year, respectively.

Please contact Rusty Wright, Allen Press Business Manager (800-627-0326, ext. 215; rwright@allenpress.com) with questions about membership dues and renewals.

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Membership Dues and Subscription Rate Changes

Effective October 15, 2010, the new SRM Membership Dues and Subscription Rates will be used for new and renewing members. The cafeteria-style dues structure is described below:

| Membership | 22 Section Categories | Sustaining | <i>Rangeland News</i> Electronic | <i>Rangeland News</i> Print | <i>Rangelands</i> Online | <i>Rangelands</i> Online & Print | REM Online | REM Online & Print |
|--------------------------|-----------------------|------------|----------------------------------|-----------------------------|--------------------------|----------------------------------|------------|--------------------|
| Regular | | | X | | | | | |
| Student | | | X | | | | | |
| Apprentice | | | X | | | | | |
| Emeritus | | | X | | * | | * | |
| Additional Family Member | | | X | | | | | |
| International | | | X | | X | | X | |
| Commercial | | | X | | | | | |
| Institutional | | | X | | | | | |
| Life | | | X | | X | | X | |
| Life Family | | | X | | X | | X | |
| Life Legacy | | | X | | | X | | X |
| Life Family Legacy | | | X | | | X | | X |

Membership Categories: There are 12 categories. To qualify for the reduced international membership rate, International members must reside within a country listed on the SRM website at www.rangelands.org. The categories Life Legacy Member and Life Family Member Legacy refer to Life Members and Life Family Members who joined prior to October 15, 2010.

Sectioned: All members are sectioned unless: 1) a member specifically requests to be un-sectioned, or 2) if they live in a nation outside the US, Canada or Mexico. Residents of Puerto Rico and Alaska also are un-sectioned. A sectioned member is charged an additional \$5 annually per section, over and above their membership dues. The \$5 is collected by the parent society and then remitted to the sections annually. Members can elect to pay section dues to multiple sections. Life Members, Life Family Members, Life Legacy Members, and Life Family Legacy Members are each provided one section membership per year as part of their membership at no additional charge. If a Life Member, Life Family Member, Life Legacy Member, or Life Family Legacy Member elects to join more than one section, they are charged an additional \$5/year per section. There are 22 section categories (21 sections plus unsectioned) and can be viewed on the SRM website at <http://www.rangelands.org>.

Sustaining: If any member contributes additional money (\$50 minimum) over and above their membership and subscriptions, they are listed as “sustaining”. The list of sustaining members is published in *Rangelands* magazine annually.

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Membership Dues and Subscription Rate Changes

(Continued from page 3)

Rangeland News Newsletter Electronic: All membership categories will receive the *Rangeland News* newsletter electronically (except as noted immediately below). There is no additional charge for receiving this publication.

Rangeland News Newsletter Print: Some existing SRM members (about 250 members) have elected to receive *Rangeland News* in hard copy. This is not an option for new members unless they do not have an email address. There is no additional charge for receiving *Rangeland News* in hard copy.

Rangelands Magazine Online: Most membership categories will have the option of subscribing to the online version of *Rangelands* for an additional \$15/year over and above their regular membership dues. Emeritus members have the option, as part of their membership, to receive either *Rangelands* online or REM online. If Emeritus members select an REM online subscription to be included in their membership, they can elect to subscribe to the online version of *Rangelands* for an additional \$15/year.

Rangelands Magazine Online & Print: Any member can elect to subscribe to the online + hard copy of *Rangelands* magazine for an additional \$30/year over and above their membership dues. The two exceptions are Life Member Legacy and Life Family Member Legacy. Both of these categories receive the online + hard copy of *Rangelands* as part of their membership.

Rangeland Ecology and Management (REM) Journal Online: Any member can elect to subscribe to REM online for an additional \$45/year over and above their membership dues. If Emeritus members select a *Rangelands* magazine subscription to be included in their membership, they can elect to subscribe to the online version of REM for an additional \$45/year. International members, Life members, and Life Family members receive REM online as part of their membership dues.

Rangeland Ecology and Management (REM) Journal Online and Print: Any member can elect to subscribe to REM print, and also receive it online, for an additional \$75 over and above their membership dues. The two exceptions are that Life Member Legacy and Life Family Member Legacy categories receive an online + hard copy of REM as part of their membership.

Membership Dues:

| | |
|---------------------|---|
| Sectioned: | \$5/year/section |
| Regular: | \$70/year |
| Student: | \$25/year |
| Apprentice: | \$50/year |
| Emeritus: | \$40/year |
| Additional Family: | \$35/year for an additional family member of a Regular Member |
| International: | \$25/year |
| Commercial: | \$500/year |
| Institutional: | \$200/year |
| Life: | \$1500 |
| Life Family: | \$250 for an additional family member of a Life Member |
| Life Legacy: | N/A |
| Life Family Legacy: | N/A |

For questions regarding new memberships and renewals, please, contact Rusty Wright, Allen Press Business Manager at 800-627-0326 ext. 215 or rwright@allenpress.com.

President's Report

by Jeff Mosley, SRM President

SRM, like many professional societies, has faced difficult financial challenges during the past decade. During this time period, discussions by the Finance Committee, Board of Directors (BOD), and various SRM committees and task forces generated several ideas for increasing revenue and reducing expenses. These ideas had been bantered about, but few decisions had been made and some of the ideas kept re-circulating. Your BOD decided it was time to make some decisions. The time had arrived to either implement some or all of these changes or set them aside so that we could concentrate on other opportunities to move SRM forward.

We did not want, however, to make our decisions in a vacuum. Accordingly, the BOD sought input from the Past Presidents of SRM, all current Section Presidents, and several SRM committees and task forces. We wanted to make sure that we cast a wide net in our quest for advice, and thank you to all those who responded. We received many thoughtful, helpful comments and suggestions. My purpose here is to update the entire SRM membership on some important decisions made recently by the BOD:

1. SRM will retain its current focus as a professional society with a diverse membership including land managers, consultants, scientists, ranchers, students and others. SRM will continue to improve recruitment and retention of members and continually strive to increase the value of SRM membership, but the BOD recognizes that dramatic increases in membership are unlikely in the near-term. SRM will conduct its programs and finances in the near-term based on the assumption of continued stagnation or slight declines in membership.

2. *Rangelands* magazine will continue to be a member-oriented publication, but future content will follow the direction outlined by Editor Lori Hiding in the June 2010 issue. This direction focuses on improving the story-telling nature in *Rangelands* articles which will increase their usefulness for outreach beyond SRM members. SRM will not pursue trying to sell *Rangelands* in newsstands, bookstores, grocery stores, etc. *Rangelands* magazine will continue to be published online and in hard copy, and *Rangelands* magazine will continue to be published 6 times per year. There are very few cost savings to reducing the number of issues per year, and the

limited savings do not outweigh the reduction in member benefit that would result from reducing the number of issues.

3. The cafeteria-style membership dues structure approved by the BOD in Summer 2009 will be implemented in Fall 2010. A subscription to *Rangelands* magazine will now be optional. All members will continue to receive *Rangeland News* newsletter. Subscriptions to *Rangeland Ecology and Management* journal will continue to be optional. Finally, it is anticipated that SRM dues and subscription rates will need to be increased in 2015 but not before.

4. Before the beginning of fiscal year 2012 (August 1, 2011), SRM will implement changes that will reduce annual expenses and/or increase annual income in FY 2012 by at least \$55,000. For the longer term, SRM will also evaluate the advantages and disadvantages of moving to a virtual office sometime within the next 10 years.

Much of my work as President and by EVP Tim Cansler and the entire BOD for the past seven months has been devoted to finding ways to: 1) reduce SRM operating expenses, and 2) improve membership services. As of October 1, 2010, the BOD has implemented several changes toward these two goals. We have:

1. Selected new legal counsel.
2. Contracted with a new accounting firm for financial auditing and preparation of tax documents.
3. Out-sourced the bookkeeping function.
4. Out-sourced membership data processing.

I am pleased to announce that we fully expect these changes will significantly improve SRM membership services and reduce SRM annual operating expenses by more than \$60,000. The family-like nature of SRM, however, has made these changes difficult to implement because they involved ending previous relationships with contractors and out-sourcing previous in-house positions. Please rest assured that we made certain during this transition to treat people fairly and generously, and that we were respectful of their privacy and extremely grateful for their dedication to SRM over the years. Rest

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President's Report

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assured, as well, that your BOD is committed to making the difficult choices necessary to ensure that SRM is fully functional and financially viable for decades to come.

SRM began operating with our new staff structure on October 1, 2010. As always, feel free to call the SRM headquarters in Wheat Ridge, Colorado. Good chance that Patty Rich will answer the phone, and as always she'll be able to direct your call or answer any immediate questions. Patty can be reached at: 303-986-3309 or info@rangelands.org. CPRM renewals, CEUs, Masonic Range Scholarship applications, career information, and general requests for information will continue to be covered by Vicky Trujillo. Vicky can be reached at: 303-986-3309 or vtrujillo@rangelands.org. Ann Tanaka will be managing and updating the website along with producing the *Rangeland News* newsletter. Ann can be reached at: 541-910-9559 or tanaka.annt@gmail.com. Aleta Rudeen will continue her role in SRM outreach, communications, and networking. She remains the point of contact between SRM headquarters and sections, Internship Program, Blog, ESD Workshops, and the annual meeting planning committee liaison. Aleta can be reached at 303-720-2715 or arudeen@rangelands.org. All bookkeeping, payroll, and financial operations will be carried out by Denisha Marino. Denisha can be reached at: 303-736-2857 or dmario@rangelands.org. Membership services and database management will be handled by Nick Dormer and Rusty Wright as part of the Allen Press membership services team. Rusty can be reached at: 800-627-0326 ext. 215 or rwright@allenpress.com. Jess Peterson will serve as SRM Executive Vice President, and former EVP Tim Cansler will continue to assist Jess and the staff on

day to day operations. Jess can be reached at: 303-986-3309 or 202-870-3867 or evp@rangelands.org. Western Skies Strategies will continue to assist SRM in its Washington, D.C. outreach.

SRM greatly appreciates the continued leadership, assistance, and support that Linda Coates-Markle provides as the BLM/SRM Liaison. Linda provides a link for the SRM members and agencies, along with leading up student and professional recruitment and job fairs. Linda continues to play a major role in SRM professional programs and rangeland workforce planning and has recently completed the 28-minute PBS-quality production "Hope on the Range". Linda can be reached at: 303-986-3309 or 202-306-3282 and lcmarkle@rangelands.org or lcmarkle@blm.gov.

If you have any questions about how the restructure is going or who handles certain duties, please feel free to call into the next SRM Action Update Call. The call will take place Thursday, October 14 at 11:00 am MDT. Dial in: 1-517-417-5000 and type the code: 012010#

Thank you to everyone for your continued support and involvement in SRM, and I hope everyone is planning to attend the SRM Annual Meeting, February 6-11, 2011 in Billings, Montana. Online registration for the meeting is available now on the SRM website (www.rangelands.org), so I encourage you to register early, save some money on your registration, and begin looking forward to another great annual meeting! It's the perfect opportunity to greet old friends, make new ones, too, and keep up-to-date with the latest information about rangelands and their stewardship. See you in Billings!

Your are invited to participate in: **SRM Action Update Call**

When: October 14, 2010 **Time:** 11:00AM MST

Dial: 1-517-417-5000 **When Prompted Enter:** 012010 followed by the # sign

(Special Note: The **SRM Action Update Call** will be held the 2nd Thursday of every month at the same time with the same number and prompt.)



The Importance of Becoming a Society for Range Management Certified Range Management Consultant

Dee Galt, Certified Range Management Consultant, Las Cruces, New Mexico

I became a Certified Range Management Consultant (CRMC) during the 1980's and served on the CRMC committee for a few years. I rejoined this committee two years ago to foster support for CRMC.

I worked for the Soil Conservation Service (SCS), now the Natural Resource Conservation Service (NRCS) at the West Technical Service Center, Portland, Oregon as a Range Conservationist, until I retired in 1991. However, it was only after retirement that I became an active Range Management Consultant. Upon retirement, I returned to New Mexico where I had begun my profession as a range consultant with the SCS with my wife and youngest son. In 1996 Dr. Jerry Holechek, Professor of Range Sciences, New Mexico State University, and I became partners in Western Range Consultants. Since then we have been challenged with many range management concerns. Most of our activities have centered around determining grazing capacity and yearlong stocking rates on ranches and on grazing allotments managed by State and Federal Agencies. We have worked with both individual ranchers and/or Federal and State land management agencies.

In all cases where land management agencies are involved we have found it imperative to work in the field and office with Federal and State representatives in a coordinated manner along with the rancher. Range surveys involve determining range condition, trend, forage production, browse production, utilization for key range grasses and, in some cases, browse species and range-land monitoring. Grazing animals are more commonly cattle though at times elk and mule deer may be involved. With all of our services, we provide our clients with a detailed report where we make recommendations of our findings based on range science.

In some cases we work with attorneys and have served as expert witnesses in court for rancher clients. This is another important reason to have been certified by the Society for Range Management. Belonging to the Society for Range Management with certification as a Range Management Consultant has been a very rewarding experience. Becoming a CRMC will greatly aid any Range Professional who wants to become a consultant.

Board of Directors Monthly Meeting Notice

The Board's monthly conference call is the
2nd Monday of each month
at 11:00 am MDT.

The October BOD call will be October 11, 2010.
The November BOD call will be November 8, 2010.



President: Jeff Mosley, MT
Vice President: Jack Alexander, MT
2nd Vice President: Gary Frasier, CO

The BOD meeting agenda and past minutes are available online in the Members Area under "Member Resources".

Directors:
Richard Orr, NV
Jenny Pluhar, TX
Charles Hart, TX
Sandy Wyman, OR
Keith Klements, WY
Stephanie Larson-Praplan, CA

Endowment Fund Raffle

The SRM Endowment Fund Development Committee is encouraging all SRM members to both buy and sell Endowment Fund raffle tickets. The raffle consists of three prizes:

1. Charlie Russell bronze entitled "Father Ranger" donated by SRM Past-Presidents
2. 10X felt hat donated by Rand's Custom Hats, Billings, MT
3. SRM custom engraved .270 caliber rifle with scope donated by Sharp Brother's Seed, Healy, KS.



Tickets are \$5 a piece or 5 for \$20.

The drawing will be held at the informal "An Evening in Montana" BBQ and Social to be held in conjunction with the SRM 2011 Annual Meeting in Billings. Ticket holders need not be present to win.

Anyone desiring to either buy and/or sell tickets please contact Rod Heitschmidt (heitschmidt@att.net), other members of the Endowment Fund Development Committee, current SRM officers and Directors, section officers, and/or other interested SRM members.

Call for Undergraduate Student Papers 2011 64th Annual SRM Meeting

Abstract submission for the Undergraduate Student Paper Session at the 2011 64th Annual SRM Meeting (Billings, MT) is now open!

What is the Undergraduate Student Paper Session? The Undergraduate Student Paper Session is a concurrent session for undergraduate students to present papers on any topic related to range science or management, ecology, botany, ranching, animal science, etc. The papers may be original research or review-type papers. This session is not judged. The president of the Student Conclave conducts the undergraduate paper session.

If you have undergraduates participating in research projects, please encourage them to present! This is a great experience for young research scientists.

- **Deadline to submit abstracts:** November 1, 2010
- Electronic submission is accomplished through the meeting website: http://www.rangelands.org/billings2011/abstracts_papers.shtml
- Be sure to select the undergraduate student paper section (under topic sections) when you submit!
- Who to contact for information or questions? **Loreen Allphin**, loreen_allphin@byu.edu

Rangeland Cup Topic

Dominant paradigms developed by rangeland science guide management practices which can result in long-lasting impacts for rangeland systems. Such impacts are inherited by successive generations of scientists and managers, thus becoming legacies of past management.

1) Choose one prominent management practice or paradigm developed by early pioneers in the rangeland management profession that has left a legacy which impacts how we manage rangelands today. Discuss the scientific rationale for broad-scale implementation of the practice (historically) and describe how the implementation of the practice has positive, negative or neutral impacts on our current management strategies. Consider multiple types of impacts (ecological, economic, social, etc.).

2) Discuss a management practice of a rangeland ecosystem *outside North America* and how this strategy may leave legacies for future generations. Compare this example to the issue you discussed previously in number 1. How might information from this international example be incorporated into contemporary rangeland management paradigms in North America?

To register your team send an email to rangelandcup@rangelands.org including your school/university, names of team members and mentor, contact information (email, phone, address) of at least one team member. Contest guidelines and regulations may be found at <http://agronomy.unl.edu/range/> or by emailing the address above. We look forward to the strong competition and creative ideas on this challenging topic. Good luck!

Registration DEADLINE for 2011 International SRM meeting in Billings: November 12, 2010

2011 RSEC-SRM Call for Nominations:

Outstanding Undergraduate Teaching Award

Early Career Undergraduate Teaching Award

Do you know someone who teaches undergraduate Range Science courses that is a truly excellent teacher? Was or is there a college/university Range Science teacher who inspired you in your preparation to become a Range Science professional? If so, please consider nominating that person for one of the Range Science Education Council's teaching awards.

The Range Science Education Council (RSEC) Awards Committee is soliciting nominations of faculty/instructors teaching Range Science courses for 2 teaching awards to be presented at the 2011 SRM Meeting in Billings, MT. **The Outstanding Undergraduate Teaching Award** recognizes excellence in teaching and advising that has extended over the course of many years. **The Early Career Undergraduate Teaching Award** recognizes excellence in teaching and advising Range Management students by faculty/instructors in the early stages of their teaching careers (less than 10 years experience).

Nominees are eligible only if they were involved in undergraduate teaching during the period September 1, 2009 and September 1, 2010. Recipients will receive a monetary award from the Range Science Education Council and recognition by both the RSEC and SRM.

A copy of the guidelines and procedures for nominating a teacher for each of the RSEC-SRM Teaching Awards plus a copy of the Nomination Form can be found on the RSEC website: <http://www.rangelands.org/RSEC/RSEC.htm>.

Please note that a single hardcopy plus an electronic copy on CD (pdf files) must reach the chair of the RSEC Awards Committee by November 1, 2010:

Pat Johnson, Chair
RSEC Awards Committee
SDSU WRAC
1905 N. Plaza Blvd.
Rapid City, SD 57702

605-394-2236 (voice)
605-394-6605 (fax)
patricia.johnson@sdstate.edu

Range Camp Rocks

By: Terilyn Chen

This summer I vaccinated a sheep. With help, of course.

I learned to do that, among other things, at the 26th annual California-Pacific Range and Natural Resources Camp. I attended camp from June 20 to June 25 with Hercules High School senior Nicole Ng, and other students from all over California. Founded by Mike Stroud in 1985, Cal-Pac Range Camp is an annual environmental science camp held on the beautiful Elkus Ranch in Half Moon Bay.

Ng and I were among the few campers who had absolutely no experience working with livestock and ranches. Herculean culture is entirely different; I doubt many people know what FFA is and we do not have a farm. I am embarrassed to admit, but before camp, I thought everything related to hardcore agriculture and livestock was for Texans and Montanans. Somewhere in my head, I obviously knew California is a big farming state, but I just never thought there would be a camp that taught about livestock so close to home. Needless to say, the experience was an eye-opener.

At camp, we were constantly busy. Never in my life had I felt so accomplished when the day was over as I did during those four days. Every single minute was well spent, whether I was learning how to tell the difference between yarrow and poison hemlock, searching for fly larvae underneath the rocks in Purisima creek or talking about boys with a couple of buddies while walking across camp to take a shower. We even spent half a day in bright yellow hard hats, walking around Purisima Creek Redwood Forest with a forester who showed us how he decides what trees to cut, and why.

By the end of the first day, I was falling in love with range camp and everything I never knew California possessed.

The world that had previously seemed to me full of ubiquitous settling and compromising had something tangible to offer me: real examples of people simply



unable to contain their passion.

The camp coordinator Marc Horney, the botanists, soil scientists, fire ecologists, entomology connoisseurs- every single one of our instructors and advisors were obviously in love with what they did. Their bubbling excitement was intoxicating, as was the magical environment they had chosen to use as their classrooms, because really, velvet grass makes such an impression.

I felt so complete when the sun was disappearing behind the hills. Several times, I wanted to cry because camp made it seem like there was a reason for everything. Since then, I have believed in the goodness of people again. Or rather, I believe in my own strength; it was as if camp made me realize that I can make a difference. Suddenly, beating global warming and climate change seemed possible. After all, there were people out there running camps about environmental science.

The night before our last day at camp, I knew that I would soon mentally go over every memory and physically touch every plant I could get my hands on, in a crude attempt to hold on to Range Camp. The next day, when I actually left Elkus Ranch, and my family drove away with me on the freeway, I felt traumatized, as if my senses were not yet adjusted to the loudness, the hardness and the greyness of the world. For the next few days, I felt lost in suburbia. I was lost in the uniformity and the cleanliness. Over the course of the summer, I would dream about Range Camp for a total of seven times.

Later, walking around Hercules, I actually found flowers and grasses that I could identify. I realized that there is no reason to be sad because I had taken so much from Range Camp. So thank you, Kent Reeves and the Yolo County Resource Conservation District for sponsoring me, and thank you both Michael Hudson and Nicole Ng for introducing me to Range Camp.

Range Camp has enlightened me. It has changed me. It has permanently made me a "happy camper."

Calling All Cooks.... Now Accepting Recipes, Stories and Photos

Do you have a family or ranch recipe that has been around for generations? Does it have a great story or background to go with it? Or maybe you have a great range story, ranch story or an awesome range photo that you would like to share. We are looking for you. The Information and Education Committee is collecting recipes, stories and photos for the next edition of the Trail Boss Cowboy Cookbook.

Submit Recipes, Range Stories and Range Photos to:

srmcookbook@yahoo.com

Please Include Your Name, Ranch Name, SRM Section and City, State with each submission. In the subject line of your email please write **SRM Cookbook**.

All recipes must be original recipes (never published). If it is a published recipe it must be changed by 10%, such as changing an ingredient or amount, adding an ingredient, changing cooking temperature or time.

Featured Recipe Of The Month:

From: Trail Boss's Cowboy Cookbook, 1985

Dave Secrist, Dinner Station Ranch

Elko County, Nevada

Baked Steaks and Lima Beans

| | |
|-------------------------|----------------------------|
| 1 lb. dry lima beans | 1 18-oz. can tomato juice |
| 6 c. water | 1 tbsp. packed brown sugar |
| 4 slices bacon | 1 ½ tsp. salt |
| 2 lbs. beef round steak | 1 tsp. dry mustard |
| (cut in 1-inch strips) | ½ tsp. black pepper |
| ¼ c. flour | |

Rinse beans; add 6 cups of water. Bring to a boil; simmer 5 minutes. Remove from heat; let stand, covered, 1 hour. (Or combine beans and water; soak over-night.) Do not drain. Cover, simmer 30 minutes. In Dutch oven, cook bacon till crisp. Drain, reserve drippings. Crumble bacon; set aside. Coat beef with flour. Brown beef in hot drippings, pour off excess fat. Stir in beans and onion. Combine tomato juice, brown sugar, salt, pepper and mustard. Pour over beans and beef mixture. Bake covered in 325° oven till tender, about 1 ½ to 2 hours. Stir in bacon or top with it and grated cheese before serving. Serves 8.

Background: The Dinner Station Ranch was at one time a dinner stop-over for freight and stage coaches between Elko and Tuscaroro, Nevada, when the gold mines operated in northern Elko County.





Capital Update

From Jess Peterson

Howdy Friends,

It's been an active past few weeks here in Washington, DC. Congress has been in session, plus several notable SRM activities are in the works. I have had several discussions and meetings on the proposed Native Range Forum slated for the upcoming SRM Annual Meeting in Billings, MT. The plans are coming together and the key stakeholders are communicating as to how we can actually make this happen! As soon as we formalize the actual concept and working plan we will expand the calls to include all of the interested individuals and the larger group.

Also on the SRM outreach side, I recently sat down with Grazing Lands Conservation Initiative (GLCI) Volunteer and Conference Manager, John Peterson. I greatly appreciated John's time as I not only learned a great deal about GLCI, but I also gained a better insight as to additional activities related to rangelands taking place in Washington, DC. I greatly appreciated John's time and look forward to continually working with him and the good folks involved with the GLCI.

With regards to Capitol Hill, Congress is back in Session, but will soon be wrapping up legislative work to return to district work periods and campaigns. One notable issue that has recently garnered a great deal of attention and appears to be picking up momentum for a lame duck passage is S. 3664, the "Family Farm Estate Tax Deferral Act of 2010". Senator Diane Feinstein (D-CA) is the lead co-sponsor, and is building support for passage for this bill. The bill seeks to amend the IRS Code of 1986 to exempt certain farmland from the estate tax and for other purposes. More information can be found at: <http://www.washingtonwatch.com/bills/>

[show/111 SN 3664.html](http://www.washingtonwatch.com/bills/show/111_SN_3664.html)

Congratulations to Bud Cribley, Jamie Connell, and Steve Ellis for their recent appointment to BLM leadership positions. To find out more click here: http://www.blm.gov/wo/st/en/info/newsroom/2010/sepember/NR_09_07_2010.html

Also USDA Secretary Tom Vilsack recently announced that the USDA will accept 4.3 million acres offered by landowners under the Conservation Reserve Program (CRP). To find out more click here:

http://www.fsa.usda.gov/FSA/newsReleases?area=newsroom&subject=landing&topic=ner&newstype=news-rel&type=detail&item=nr_20100914_rel_0464.html

In closing, I am excited to announce my new role at SRM! Starting September 15, I am serving as SRM's Executive Vice President. Assisting in the SRM Washington, DC. liaison role is my colleague, Kelly Fogarty. Please welcome her aboard as we'll be teaming up on the next few updates.

As always, please feel free to sign up for the SRM Washington, D.C. Capital Updates. This is a free service for SRM members. To sign up, simply send an email with the word "Subscribe" in the subject line to: capitalupdate@rangelands.org.

Jess

Jess Peterson
Western Skies Strategies
2414 I Street NW
Washington, D.C. 20037
202-870-3867 (o)
202-330-5184 (f)



**Society for Range Management
64th Annual Meeting**

Billings, Montana

February 6-10, 2011

<http://www.rangelands.org/billings2011>

September Rangeland Photo Quiz—Answer

Question: We are all aware that there are many options when it comes to "treating" rangeland woody species such as juniper. Each would seem to have its advantages and disadvantages. Shown here are two different approaches on adjacent test plots, with somewhat different outcomes. What were the treatments, and which one do you find preferable?

Answer: Our paired juniper treatment photos for the September Photo Quiz garnered several responses. The responses are in italics.

The responses varied from the somewhat tentative (USDA): *Could it be that Photo #1 is the result of a burn treatment that denuded lower branches and subjected the lower level litter area beneath the tree to prolonged high burn temperatures? This may account for lack of vegetation beneath the tree.*

To the authoritative (Texas A&M, naturally): *The top photo is treated by prescribed fire. The area under the plant had an accumulation of old shed needles and burned hot. Because of the needles, there were no established plants in the central zone under the plant, but there are seedlings already establishing and the bare area should cover within one or two growing seasons. The pasture in the background has a good ground cover of new growth grasses, but the plant stature is shorter because of the recent burn.*

A feller from South Dakota noted: *In photo 1 it appears to be a prescribed burn. In photo 2 my guess would be chemical treatment. While both methods have their advantages, and optimal use situations, I prefer prescribed burning. Prescribed burning not only works well to control small invasive brush species, but it also helps to rejuvenate the native grass and forb species by removing old growth and litter, and returning beneficial nutrients to the soil.*

To our surprise, no one marveled on how a tree

Photo 1



Photo 2



killing fire might have managed to climb up from the sparse short grass into the canopy. Of course it can and does happen out there in the "real world," but often as not semi-mature trees will emerge a bit scorched but essentially unscathed. Not revealed was the innovative but time consuming process of limbing out the lower branches the previous season and then cramming them against the trunks to provide a fuel ladder for the subsequent burn (during which one treated tree was torched at a time). As shown, the resulting burn did indeed prove hot enough to not only be fatal to the tree but also to the desired understory (at least 2+ years to date).

(Continued on page 14)

October Rangeland Photo Quiz

Question: Rangeland pick-up drivers are often noted (notoriously?) for their daring-do and behind-the-wheel creativity. What risky maneuver is this seasoned range driver, far from pavement, low on gas, and out of cell-range, attempting here?

Please send your observations (and your own quiz-worthy range photos) to vttrujillo@rangelands.org, subject line "Range Photo Quiz."



September Rangeland Photo Quiz— Answer

(Continued from page 13)

Compare this to the under story on the treatment “next door” (all related in a New Mexico State Land Office Demonstration Project poster presented at 2009 SRM Albuquerque; for copies contact Ann Demint ademint@slo.state.nm.us)

Photo #2 may be a chemical treatment that did not affect grasses growing beneath the tree. If such is the case then the chemical would be the preferred treatment.

Not surprisingly among SRMers, there’s always room for debate:

Photo 2 has been treated with herbicide and has been rested for a growing season. It has a patchy ground cover with a few large vigorous plants and more bare soil than in photo 1. I would definitely prefer the burning treatment if it were my property. The reason for preferring burning over herbicide is significantly reduced cost of treatment and long term better total vegetation response.

Yes, *in theory* burning is more cost effective, but *in practice*, when one considers the challenges of assembling that “perfect storm” of trained personnel, available equipment, officious permits, liability insurance, grazing deferments, cooperative neighbors and compliant weather conditions, which is more *convenient* to everyday Joe Rancher? For those not having the prerequisites for burning readily at hand, a tub of pellets or a few squirts of “chemical” keeps them on that never ending job of eating that juniper elephant, one bite at a time.

Jim,
Interesting responses. So the chemical treatment worked well, according to the second photo? Last year, the trees were clearly affected but not even close to dead yet. The prescribed fire has a faster result than the herbicide and has a positive effect on the entire area, assuming a broadcast burn. But the herbicide is easier logistically and may be cheaper. For us, it certainly is cheaper, both in terms of manpower (the full fire team vs 6 people for the spray) and funds expenditure (support engines for the Rx fire). Also, prescribed fire has a higher risk of severe unintended consequences than most herbicides. Finally, it is very important to note that a prescribed burn must occur under the right

(Continued on page 15)

Rainfall Insurance for Rangelands?

Submitted by Jim Thorpe

Late in August, readers of the livestock industry press in New Mexico and other west-of-the-100th-meridian states were deluged with ads for “Drought Insurance.” It’s become the talk of the neighborhood grapevines – *“They’ll actually pay you if it don’t rain!”* At well-attended presentations it has been received with a mixture of curiosity and skepticism – how can some wild idea like this, backed by the full faith and credit of the USDA’s Risk Management Agency (RMA), be something other than scam and snake oil?

Managing climate (drought) risk in an effective, efficient and pro-active manner has long been one of the elusive “Holy Grails” of range management worldwide. Just about any article or presentation concerning drought in our SRM archives laments the general lack of proactive measures by rangeland managers when clearly faced with insufficient rainfall. “Natural” rangeland communities inevitably respond in brutal fashion (migrate or die); managed systems usually whine and procrastinate while seeking imported subsidies of forage and funds. Everyone talks the good talk beforehand, but very few if any actually walk the wise walk when the rains stop. “Pray for rain” isn’t an unreasonable paradigm, but “Prepare for drought” should be its corollary.

The range management community of course hasn’t been asleep at the wheel (SRM was, after all, a child of the “Dust Bowl”). Numerous science based tools, extension programs and policy initiatives have been devel-

oped over the decades. I’m personally (as a not-quite-so -novice-anymore New Mexico rancher with all of ten years range experience) familiar with the NRCS “Drought Decision Calculator,” TAMU-CNRIT’s “Forage Risk Assessment Management System” (FRAMS), FSA’s problematic NAP drought insurance, and drought-detecting “Normalized Difference Vegetation Index” (NDVI) satellite imagery.

It is this latter remote-sensing technology that is at the heart of “Rainfall Insurance.” What follows is a brief (and admittedly imperfect) review of what I know about the program (first unveiled at a 2008 SRM Louisville workshop). It should be of considerable interest to SRM, and something that SRM should track and follow (while providing important feedback) as it proceeds.

Although a USDA Risk Management Agency (RMA) program, the “Pasture and Range Forage” (PRF) insurance is marketed through private crop-insurance companies; their agents can best walk producers through the process in everyday language. Those who prefer jargon should visit <http://www.rma.usda.gov/policies/pasturerangeforage/>

Unlike the safety-net Non-Insured Agricultural Crop Program (NAP), which has a set forage loss threshold (>50%) that must be assessed on a county-wide basis, PRF insurance is more or less correlated to a specific ranch location with customizable coverage level deci-

(Continued on page 16)

September Rangeland Photo Quiz—Answer

(Continued from page 14)

conditions to avoid the soil “kill” results shown in the first picture, especially when burning piled slash. Cool, moist soil will help to protect against the high temperatures that resulted in the bare spots under the burnt tree in the first photo. Results would have been better if we burned in the early spring following a cold wet winter and only 6 months after the slash was cut.

Ann

The problem with herbicide or mechanical is that it does not affect the MANY small plants that are missed and they really explode after removing the dominant mature plants and in a few years you have a worse infestation than you started with originally.

Rainfall Insurance for Rangelands?

(Continued from page 15)

sions. A participating rancher selects the particular level of coverage (from 70 to 90% of “normal”) and particular three month time period(s) that he wishes to insure (for example, June-August, if these are his most critical months for forage production). In the range management literature, less than 75% of average rainfall is generally referred to as drought (the NAP coverage has a loss trigger of 50% of *annual production* – an inherently hard to assess figure). Like in other forms of insurance (e.g. collision auto for your brand new BMW), higher levels of coverage require higher premiums (but note that RMA subsidizes up to 55% of such premiums).

What is new for New Mexico producers is how claims/indemnities are determined. Rather than trying to track rainfall (as in the “Rainfall Index” flavor of this insurance, available in states further east) in western states where rainfall is notoriously spotty, this RMA program tracks a Vegetation Index (VI) measured by satellite. The satellite keys into a grid of not quite five square mile squares which has been tracked for decades. A ranch will fit into one or more of these grids, which are identified when enrolling in the program. The average satellite readings for the insured months are compared with the long term average for the grid(s) that have been selected for the ranch. If the producer chose to insure for say, 75% of the long term Vegetation Index average for the June-August interval, and the satellite reports a value below 75%, a claim is automatically registered and an indemnity payment will be processed within 60 days (compare to a year plus for NAP); if the satellite reports a value above 75%, then there is no claim

According to the PRF website, the premium to insure 5,000 acres in northeastern Guadalupe county for June-August 2011 at a 75% coverage level totals .78/acre; deducting the subsidy, the ranchers net premium is .32/acre. How does a rancher evaluate this exercise in climate risk management, especially when there aren't any neighbors to ask who've already tried it? The way to do this is to

play “what would have happened if I did this last year” (or any other year) by changing the dates on the website calculators.

In 2009, for example, the rancher noted above would have paid approximately \$1,598 in premiums and, as it turned out, would have realized \$248 in indemnity for a net economic loss (June-August was 74.6% of average). In 2006 however, the localized satellite readings would have determined an indemnity of \$19,246 on the same premium structure (the VI was 44% of average; note that the 2006 county wide assessment for the NAP program did not recognize any qualifying loss). A cursory look at these same parameters over a ten year period shows that indemnities would have been realized in only three to four out of the ten years; in the aggregate, however, the indemnity for this rancher would have exceeded premiums.

“It don't always pay, but when it does it'll pay like a slot machine!” enthuses one Texas agent.

It remains to be seen how well this approach will be embraced by producers (spare cash flow for risky-sounding endeavors is not always so handy). RPF VI insurance is certainly not cheap, but it seems tantalizingly cost effective. It provides producers an opportunity to proactively manage their future climate (drought) risk at levels of their own choosing and keyed to their specific location. It's a substantially improved alternative for those seeking more than the NAP safety net with its contentious thresholds and triggering mechanisms.

Managing climate risk with “Rainfall Insurance” might very well soon join “Forward Contracting, Puts and Options” and other increasingly common calf price-risk management strategies in the overall 21st Century ranch-

ing-risk toolbox. And, as always, the Society for Range Management needs to be very much part of this conversation (email jim-thorpe@wildblue.net with thoughts on how to make this happen...)

Bonus Quiz Question for “Extra Credit”: How does one of the advertisements shown reflect that rangeland weather worries have been with us for millennia?

A Deluge of Drought Insurance?



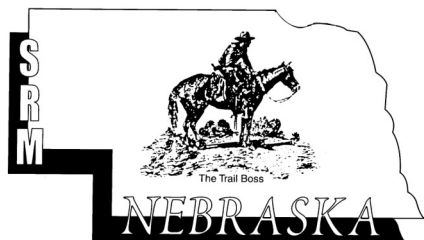
Welcome Julia Workman, SRM Outreach Intern

The Society for Range Management is pleased to introduce Julia Workman as the Outreach Intern for the Fall 2010 semester. Julia is a sophomore at the University of Idaho, pursuing a Bachelor of Science degree in Rangeland Ecology and Management with a minor in Public Administration and Policy. Julia will be conducting a short series of long-term SRM member interviews to post on the SRM Outreach blog as well as other outreach-related tasks as part of her Internship Program.

Julia is the president of the University of Idaho Range Club, where she has also served as treasurer and a member of last year's URME and Student Chapter Display teams. On campus, she is involved with the Student Grant Program Committee and Honors Program. When not directly engaged in any of the above activities, she enjoys country swing dancing, spending time with family and friends, baking, and working on the family farm/ranch in Grangeville, Idaho. After receiving her B.S., Julia plans to attend law school before starting a career in natural resources- (especially water-) related law.



2010 Nebraska Section Annual Meeting



2010 Annual Meeting Lodging
 4-H Camp: (308) 533-2224
 Halsey Frontier Inn: (308) 533-2240
 Arrowhead Motel (Thedford): (308) 645-2246
 Roadside Inn (Thedford): (308) 645-2284

Integrated Resource Management: USING ALL THE TOOLS IN YOUR TOOL BOX

October 12-14, 2010

Halsey, NE

<http://www.ianr.unl.edu/srm/index.html>

For Additional Information see website or Contact:
 Michael E. Croxen
 Rangeland Management Specialist/FMO/Fuels
 Bessey Ranger District
 Phone: (308) 533-2257, ext. 8103
 Fax: (308) 533-2310
 E-mail: mecroxen@fs.fed.us

Eastern Navajo Range Management

The Division of Natural Resources at Navajo Agency invites all that have an interest in range management to a day tour of a portion of our range and a unique vegetative study currently being conducted on October 29, 2010.

We'll start off at 8:00 a.m. with an orientation program at the BIA Eastern Agency Headquarters then go to the field for an informative tour. Bring your own lunch, we'll have water. Finish at 3:30 p.m.

Come see a part of Navajo. We will have an interesting program and discussions in the field. Bring a jacket! Support is provide through the New Mexico Section of the Society for Range Management.

Primary contact: Tony Howard
 (505) 786-6020 office ~ (505) 947-1569 cell
anthony.howard@bia.gov

Clerk: (505) 786-6100 phone ~ (505) 786-6107 fax

Colorado Section Winter Annual Meeting

Joint meeting with Colorado Division of Wildlife, Habitat Partnership Program

Theme: "Wildlife Habitat Management"

November 30 - December 2, 2010

Doubletree Hotel, Grand Junction, CO

Agenda: Includes a nice line-up of speakers from multiple organizations and private business. A few speakers confirmed include: Dr. Chad Boyd (Oregon State University), Dr. Fred Provenza (Utah State University,) Dr. Roy Roath (Colorado State University), Sandy Wyman (National Riparian Service Team), and John Fielder (Photographer).

There will also be a joint banquet, silent auction and trade show.

Registration and Reservations: Conference Registration is available online at: https://netforum.avectra.com/eWeb/DynamicPage.aspx?Site=SRM&WebCode=EventDetail&FromSearchControl=Yes&&evt_key=174d105c-27d7-4a39-ad8e-f07ca7a1cff2. A block of rooms are reserved at the Doubletree for \$85.00/night, which is below the per diem rate of \$98.00. To make reservations call: 970-257-8129.

Riparian Workshop: Restoration & Management of Streams, Wetlands & Floodplains

Date: October 12-13, 2010

Location: TCU Dee J. Kelly Alumni Center, Fort Worth, Texas

Attendee Fee: \$50, includes lunch, breaks and workshop materials for both days

Sponsorships: A variety of sponsorship opportunities are available (see web site)

For More Information: www.riparianworkshop.org

Streams, wetlands & floodplains are complex and valuable ecosystems which encompass the water, land, plants, and animals. Today, interest is growing in moving beyond the idea of "conservation" to a new goal of restoring these resources to ecologically viable conditions that will improve rather than degrade over time.

The **Restoration and Management of Riparian Corridors Workshop** will bring together a host of participants in order to share ideas, research, case studies and best practices with a community of stakeholders that includes cities, agencies, scientists, regulators, consultants, developers and planners. This workshop will provide current information on guidelines and bioengineering applications for stream and wetland restoration. Special attention will be given to techniques available to address the effect of surface runoff on stream channels and riparian corridors in the urban environment. Speakers will focus on stream channel evolution, channel and bank design involving natural and synthetic material for stability and function, and ecological restoration in zones outside the main channel.

Attendees will have the opportunity to hear the latest developments. Opportunities to exhibit and other sponsorships are also available.

The two-day workshop will be held at Texas Christian University (TCU) in the Dee J. Kelly Alumni and Visitor's Center. Professional development/continuing education credits are available.

Please join us!

PARTICIPATING SPONSORS of the RIPARIAN WORKSHOP Include:

United States Army Corps of Engineers

USDA Natural Resources Conservation Service

City of Denton

Prairie Designs, LLC

Dunaway Associates

United States Environmental Protection Agency

Tarrant Regional Water District

City of Fort Worth

Texas AgriLife

TCU Institute of Environmental Studies

TCU School of Geology, Energy and the Environment



BLM NEWS RELEASE

U.S. Department of the Interior • Bureau of Land Management • Washington, D.C., Office • 1849 C Street N.W. • Washington, D.C.

BLM Proposes National Academy of Sciences Study

Release Date: 08/27/10

Contacts: Tom Gorey, 202-912-7420

Mary Knapp, 202-912-7418

The Bureau of Land Management has asked the National Academy of Sciences/National Research Council (NAS/NRC) to make an independent technical review of the Wild Horse and Burro Program to ensure that the BLM is using the best science available in managing wild horses and burros on Western public rangelands.

The NAS/NRC has previously reviewed the BLM's management of the Wild Horse and Burro Program and produced three separate reports; however, these reports are now 20 to 30 years old. In those reports, the NAS/NRC summarized what was known about wild horses and burros and made recommendations to the BLM for wild horse and burro management, population estimation, and further research.

In the proposed effort, many of the topics discussed in the earlier reports would be included, such as population estimation methods, annual herd growth rates, population control measures, and whether populations will self-limit, as well as other subjects needing new research.

To sort through the many diverse and often conflicting opinions about how wild horses and burros should be managed, the BLM must continue to base its decisions on the best available science and involve the public in its decision-making process. Commissioning the NAS/NRC to review their three earlier reports and the current available information and research about wild horses and burros is a first step. A second step is to ask the NAS/NRC to make recommendations about future wild horse and burro management and needed research. A third step is to take the NAS/NRC findings and recommendations and make them available to the public in a variety of ways, perhaps to focus groups or science forums.

Both the BLM and NAS/NRC will negotiate the terms and outline for the research study. The proposed study would tentatively begin about January 1, 2011, and would cost the BLM approximately \$1.5 million and take about two years to complete.

Congress created the NAS/NRC to be a non-Federal, not-for-profit source of scientific advice. The NAS/NRC enlists the nation's foremost scientists, engineers, health professionals, and other experts to address the scientific and technical aspects of society's most pressing problems. Each year, thousands of these experts are selected to serve, without pay, on hundreds of study committees.

The BLM manages more land - more than 245 million acres - than any other Federal agency. This land, known as the National System of Public Lands, is primarily located in 12 Western states, including Alaska. The Bureau, with a budget of about \$1 billion, also administers 700 million acres of sub-surface mineral estate throughout the nation. The BLM's multiple-use mission is to sustain the health and productivity of the public lands for the use and enjoyment of present and future generations. The Bureau accomplishes this by managing such activities as outdoor recreation, live-stock grazing, mineral development, and energy production, and by conserving natural, historical, cultural, and other resources on public lands.

--BLM--

What are the Important Differences Between California's CRM Program and the International SRM's CPRM and CRMC Programs?

Revised from an article in Cal-Pac Section SRM Needlegrass Notes, Summer 2010

By Lawrence Ford, Chair, Cal-Pac Certification Panel, September 8, 2010

CALIFORNIA CERTIFICATION/LICENSE--Certified Rangeland Manager (CRM)

The Certified Rangeland Manager (CRM) program in California is designed to provide evidence of professional competency, to protect the public interest, and to ensure proper management of California's rangeland resources. This is the only certification program that is recognized by the State of California and meets the requirements of state law and public resources code.

The CRM license is required by law and public resources code for professional range management activities on non-federal, state and private "forested landscapes" in California, unless the work is performed personally by the owner of the land. A "forested landscape" is defined as "tree dominated landscapes and their associated vegetation types on which are growing a significant stand of tree species or which are naturally capable of growing a significant stand of native trees in perpetuity." Such a definition doesn't explain what constitutes a "landscape," and seems to exclude some types of non-forested rangelands. Nevertheless, the CRM license is clearly required for work on hardwood rangelands, while not necessarily for work on permanently treeless shrublands or grasslands that are separated from any "forested" landscapes. Furthermore, in the conduct of rangeland management on affected rangelands or resources, a CRM must be directly in charge of the professional work, and all professional products must be prepared by that CRM or by others under his or her supervision. Only a licensed individual may use the title of "Certified Rangeland Manager". These legal requirements were clarified in a recent analysis by the state Attorney General's office.

The California-Pacific Section of the Society for Range Management (CalPac) is authorized by the California Board of Forestry and Fire Protection and by statute to administer the CRM Program. CalPac's Certification Panel certifies applicants based on their educational and experience qualifications, including experience with California rangelands, and passing of the CRM examination, which is developed and graded by the Panel. The exami-

nation focuses on principles and skills as applied to California rangeland types. The Panel recommends the certified individuals to the Board of Forestry and Fire Protection, which then may license the CRM after successfully passing the exam. CRMs are strongly encouraged to maintain their proficiency through continuing education, but there is no formal requirement to do so. As of June 2010, there are 78 valid CRMs licensed to practice in California. There have been 92 CRMs licensed since the beginning of the program in 1994, but 14 have withdrawn, not renewed, or otherwise relinquished their licenses.

For additional information about the CRM program, including application forms and instructions, and a list of current CRMs, go to <http://www.rangelands.org/casrm/HTML/certified.html>.

SOCIETY FOR RANGE MANAGEMENT CERTIFICATIONS

The Society for Range Management (SRM) certifies individual professionals as a Certified Professional in Rangeland Management and/or a Certified Range Management Consultant as a means of improving the standards of professional expertise used to plan and implement management of public and private rangelands broadly around the U.S and the world. These programs are voluntary, and not legally mandated by law or a government agency as is the California CRM Program. Individuals may use the certifications by SRM as credentials to demonstrate their expertise for consulting or employment.

Certified Professional in Rangeland Management (CPRM)

The SRM Procedures for Certification as a Professional Rangeland Manager states the CPRM designation signifies the individual has met the basic qualifications to do professional work in this field, has pledged to follow the SRM Code of Ethics, maintains proficiency through a specified level of continuing education, and has not been found to engage in unprofessional conduct. Granting of the CPRM status by SRM is based on the applicant's educational and professional experience qualifications and passing of the CPRM exam, or by other means specified

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What are the Important Differences Between California's CRM Program and the International SRM's CPRM and CRMC Programs?

(Continued from page 20)

in the Procedures for Certification. However, the CPRM is not recognized by the State of California and does not meet the requirements for practicing rangeland management in California as described earlier in the California CRM program. As of August 2010, there were 390 active CPRMs in good standing (pers. comm, Vicky Trujillo, SRM).

For additional information about the CPRM program, including application form and procedure description, go to http://www.rangelands.org/cprm_public/.

Certified Range Management Consultant (CRMC)

The SRM Procedures for Certification of Range Management Consultants states the CRMC designation signifies the practitioner is adequately trained and ethical in the science of range management, practices a standard of consultation that is in the best interests of the public and our environment, and serves as an independent, paid consultant or with a private or non-profit contractor. The CRMC's area of specialization is, within the broad definition of range management, that

of "grazing and its impact on plants and soils." The intent of this focus is to avoid certifying ecologists, botanists, agronomists, reclamation experts, land administrators, land appraisers, and individuals with other specialties closely allied to range management. Like the CPRM, the CRMC addresses rangeland management broadly around the U.S and the world. Granting of the CRMC status by SRM is based on the applicant's prior certification as a CPRM, a combination of formal education and length and diversity of professional experience qualifications, and record of publications and consulting reports that demonstrate writing ability. However, the CRMC is not recognized by the State of California and does not meet the requirements for practicing rangeland management in California as described earlier in the California CRM program. As of August 2010, there are approximately 35-50 valid CRMCs (pers. comm, Vicky Trujillo, SRM).

The CRMC program is undergoing some changes. For additional information, including application form and procedure description, and a list of current CRMCs, go to http://www.rangelands.org/education_cert_professionals.shtml.

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Dennis Child Memorial, Plaque and Tree Planting



A date has been confirmed that works for the Child family to hold a dedication of the tree and plaque in Sherwood Forest. There will be a brief memorial service with remembrances followed by a reception sponsored by the College of Natural Resources, to be held in the College of Natural Resources Atrium beginning at 4:00 pm on October 29th.

Many of you have donated to this memorial, but for those who would like to, we are still accepting donations to cover the cost of the tree planting and the memorial plaque. The average contribution has been \$50. Please forward the contribution to Dr. Roy Roath, Forest, Rangeland and Watershed Stewardship Dept., Colorado State University, Fort Collins, CO, 80524.

What are the Important Differences Between California's CRM Program and the International SRM's CPRM and CRMC Programs?

(Continued from page 21)

Summary

| Question | CRM | CPRM | CRMC |
|--|---|--|--|
| <i>Which entity administers the program?</i> | CalPac-SRM, Certification Panel & California Board of Forestry and Fire Protection, Foresters Licensing Office | Society for Range Management, CPRM Committee | Society for Range Management, CRMC Committee |
| <i>What's required to be certified?</i> | Education, experience, references, exam, adherence to SRM Code of Ethics, fees (continuing education encouraged) | Education, experience, exam, references, adherence to SRM Code of Ethics, continuing education (recorded by SRM), fees | Education, experience, references, writing skills, adherence to SRM Code of Ethics, working as contractor, concurrent CPRM, fees |
| <i>What specializations does it cover?</i> | Rangeland management in California | Rangeland management in the U.S. and world | Consulting on grazing and its impact on plants and soils in the U.S. and world |
| <i>What geographic areas and vegetation types does it cover?</i> | Non-federal, state, or private "forested landscapes" in California | Rangelands in the U.S. and world | Rangelands in the U.S. and world |
| <i>For what is this certification required?</i> | Use of the title "CRM;" license to practice professional rangeland management, except for owners of the affected property | Not required, but useful for certification as NRCS TSP and other employment | Not required, but useful for consulting |
| <i>Does it satisfy California state law and public resource code requirements?</i> | YES | NO | NO |
| <i>How many people are currently certified?</i> | 78 (Jun 2010) | 390 (Aug 2010) | Est. 35-50 (Aug 2010, under analysis) |

Position Announcement

Assistant University Extension Educator

Sustainable Management of Rangeland Resources

UW Cooperative Extension Service

Position # 0177

Located in: Carbon County, Rawlins, Wyoming

Screening will begin October 29, 2010

Salary: commensurate with education, experience & availability of funds

Master's degree required, one degree in range management or natural resources

Applicants are required to submit:

Letter of intent, current resume, copies of transcripts, four letters of reference, completed UW application (www.uwyo.edu/HR), and a 2-3 page statement regarding your perspective of the programmatic, evaluative, and leadership responsibilities of an Extension educator in the field of Range Management in an area position with responsibility for implementing educational programs in a five county area.

IMPORTANT: see website for entire position description

<http://ces.uwyo.edu/jobs.asp>

Send completed application packet to:

Cooperative Extension Service

1000 E. University Ave., Dept. 3354

Laramie, WY 82071

(307) 766-3562

The University of Wyoming is committed to diversity and endorses the principles of affirmative action. We acknowledge that diversity enriches and sustains our scholarship and promotes equal access to our education mission. We seek and welcome application from individuals of all backgrounds, experiences, and perspectives.

Quivira Coalition's 9th Annual Conference

The Quivira Coalition's 9th Annual Conference is less than three months away. Register now!

From November 10-12, 2010, *"The Carbon Ranch: Using Food and Stewardship to Build Soil and Fight Climate Change"* will bring together a variety of "carbon pioneers" who will speak about how to reduce the atmospheric content of CO₂ while producing substantial co-benefits for all living things, including local food production, improved ecosystem services, restored wildlife habitat and rural economic development. You won't want to miss the opening night presentation by Dr. David Montgomery who will speak on "A History of Dirt."

To get complete details, download the conference flyer, or to register online, go to www.quiviracoalition.org.

IMPORTANT DATES:

October 22

Conference registration rates increase.

October 22

Special group rates at The Embassy Suites Hotel increase.

To reserve now click here, [Embassy Suites](#), or call 1.505.245.7100.

The group rate is \$125 per suite, double occupancy and the group code is QUI

After the 22th the rates will increase to the normal rate of \$189.

For more information, e-mail Catherine at cbaca@quiviracoalition.org or call 505.820.2544, X2#.

California Wool Growers Association
invites you to attend the producer workshop:

LEARNING TO REDUCE RISKS WHEN ADDING TARGETED GRAZING SERVICES TO CALIFORNIA SHEEP OPERATIONS



MONDAY, OCTOBER 18, 2010
NORTON HALL WOODLAND, CA

The objective of this workshop is to educate sheep producers and assist them in understanding and evaluating the legal and financial risks, as well as potential profitability, associated with adding grazing services to their sheep operations.

Speakers for the workshop include:

- Lani Malmberg**, Ewe4ic Ecological Services: Malmberg is an industry pioneer who has over 14 years of hands-on experience providing grazing services with sheep and goats in 12 Western states.
- Don Watson**, Woolly Weeders: Watson brings forth a strong business background as well as experience in creating some of the first grazing contracts with private business and municipalities within California.
- Jack Rice**, Lawyer, California Farm Bureau; Rice will be speak in regards to California contract laws, and those laws that grazers need to be aware of when entering into a contract.
- Paul Lewis**, an insurance provider for 35 years and sheep producer, will provide instruction in the types and costs of insurance products that providers should consider when offering grazing services.

Panelists Speakers include:

- A certified Wildlife Biologist and professional rangeland manager.
- Regional Rangeland Program Manager.
- A representative from The Nature Conservancy, holders and managers of conservation easements on over 130,000 acres of rangelands
- Additional speakers include sheep producers throughout California who have integrated grazing services into their business plan.

For more information and to register for the workshop contact:

California Wool Growers Association

www.woolgrowers.org

Phone: (916) 444-8122

Email: lesa@woolgrowers.org



United States Department of Agriculture
National Institute of Food and Agriculture

This workshop is supported by
USDA/NIFA under Award Number
2010-49200-06203

Welcome to Our New Members (September)

| Name | City, State | Section |
|----------------------------|---------------------|----------------|
| Mr. Thomas Casados | Tierra Amarilla, NM | NM |
| William Clanton | Bowbells, ND | NGP,SD |
| Caitlyn E. Cooper | Stephencille, TX | TX |
| Mr. William Cordasco | Flagstaff, AZ | AZ |
| Dr. Megan Dominguez | Corpus Christi, TX | TX |
| Lee Michael Erickson | Sturgis, SD | SD |
| Mark A. Foreman | Alpine, TX | AZ,NM,TX |
| Ms. Mary Girsch-Bock | Albuquerque, NM | NM |
| Jessica L. Haavisto | Lebanon, OR | PNW |
| Mr. Bradley A. Humbracht | Sturgis, SD | SD |
| Sarah James | berkeley, CA | CA |
| Carl T. Jeffries | Truckee, CA | CA |
| John L. Johnson | Young, AZ | CA |
| Miss Jin Li | Saskatoon, SK | NGP |
| Leticia Lister | Las Cruces, NM | NM |
| Shari K. Meeks | Jackson, WY | WY |
| Allen R. Moody | Reno, NV | NV |
| Dr. Lesley R. Morris | Reno, NV | NV |
| Gary E. Olsen | Harlowton, MT | NGP |
| Mr. Chris Michael O'Meilia | Claremore, OK | OK |
| Pamela L. S. Pavek | Pullman, WA | PNW |
| Danny J. Porter | Porter, TX | TX |
| Robert Price | Rock Springs, WY | WY |
| Mr. Michael D. Reisner | Corvallis, OR | PNW |
| Rachel Sara Sell | Sundance, WY | WY |
| Laura Snell | Lincoln, NE | NE |
| John W. Sowers | Miami, AZ | AZ |
| Mr. Brian Sweet | Grants, NM | NM |
| Justin Trimble | Throckmorton, TX | TX |
| Dan & Diana Van Norman | Tuscarora, NV | NV |
| Robert V. Vavala | Lincoln, NE | NE |
| Connor White | New Plymouth, ID | ID |
| Michael D. White | Frazier Park, CA | CA |

Upcoming Functions & Continuing Education Pre-Approved Courses

Below is a calendar of functions that have been pre-approved for SRM Continuing Education Units (CEUs)

| Date | Location | Title | Credit |
|----------------|--------------------|---|--|
| | Online | Ecology and Management of Grazing http://californiarangeland.ucdavis.edu/Grazing%20Management/online_course.htm | 16/module |
| Oct 1 | Manhattan, KS | KS Section Annual Meeting & Tour http://www.rangelands.org/links_srm_sections.shtml | 2 |
| Oct 2 | Tucson, AZ | 7th RISE Symposium (Research Insights in Semiarid Ecosystems) http://www.tucson.ars.ag.gov/rise/ | 5 |
| Oct 5-6 | Watertown, SD | SD Section Fall Meeting: Joint with SD SWCS http://www.rangelands.org/links_srm_sections.shtml | 4 |
| Oct 6-8 | Tulelake, CA | CalPac/PNW Sections Joint Annual Fall Meeting http://pnw.rangelands.org/ | 4 |
| Oct 12-14 | Halsey, NE | NE Section Fall Annual Meeting http://www.ianr.unl.edu/srm/index.html | 6 ttl (W-5/Th-1) |
| Oct 13-14 | Woodward, OK | OK Section Fall Annual Meeting - Tentative http://www.rangelands.org/links_srm_sections.shtml | TBD |
| Oct 13-15 | Odessa, TX | TX Section Annual Fall Meeting http://www.rangelands.org/texas/ | 12 ttl (d1-4/d2-3 mtg - 2 tour/d3 - 3) |
| Oct 21 | Okeechobee, FL | FL Section Fall Meeting & Tour http://www.rangelands.org/links_srm_sections.shtml | TBD |
| Oct 25-29 | Moss Landing, CA | Jurisdictional Delineation of Waters of the US http://www.elkhornsloughctp.org/training/show_train_detail.php?TRAIN_ID=JuAZB6V | 16 |
| Oct 28 | Davis, CA | CNGA Grassland Restoration Field Practices Workshop http://www.cnga.org/workshop_schedule.html | 3 |
| Nov 4-5 | Logan, UT | UT Section Winter Meeting http://www.usu.edu/range/upcomingevents/meetings.htm | TBD |
| Nov 9-10 | Laramie, WY | WY Section Fall Meeting http://www.rangelands.org/links_srm_sections.shtml | 7 |
| Nov 10-12 | Idaho Falls, ID | ID Section Winter Meeting (tentative) | TBD |
| Nov 30-Dec 2 | Grand Junction, CO | CO Section & CO Div of Wildlife HPP Joint Meeting http://www.rangelands.org/links_srm_sections.shtml | 12 (T-4/W-5/TH-3) |
| Jan 5-7 | Las Cruces, NM | NM Section Winter Meeting and Tour http://nmsrm.nmsu.edu/ | TBD |
| Jan 12-13 | Douglas, AZ | Trails Beyond Boundaries: The Natural-Cultural Landscapes of a Shared Environment (Malpai Borderlands Group) efredric@fastwave.biz | 6 |
| Feb 6-10, 2011 | Billings, MT | 64th Annual Meeting of the SRM http://www.rangelands.org/billings2011/ | 16 max |
| Feb 10 | Billings, MT | AM11 THUR AM TECH-ESD Development Technical Workshop | 4 |
| Feb 10 | Billings, MT | AM11 THUR PM TECH-ESD Development Technical Workshop | 3 |

If you know of a function that you want to attend but do not see it here, please send the information to:

SRM, ATTN: Vicky Trujillo, 10030 W 27th Ave, Wheat Ridge, CO 80215-6601; vtrujillo@rangelands.org, Fax 303-986-3892

IX International Rangeland Congress—IRC2011

“Diverse Rangelands for a Sustainable Society”

April 2 to April 8, 2011 Rosario, Argentina

For more information, visit our website at www.irc2011.com.ar.



Society for Range Management

2011 SLATE OF CANDIDATES FOR OFFICE

Candidates for SRM Second Vice-President: Butler, Roath



Wallace C. Butler
Boise, ID

Education: M.S. Range Management (1984) & B.S. Animal Science (1969), University of Idaho

Occupation: Range and Ranch Management Consultant (1988 – present); Range and Livestock Specialist, Idaho Farm Bureau Federation (January 2007 – present); Northern Region Manager & Range Management Specialist, Idaho Farm Bureau Federation (November 1997 – 2006); Rancher-Owner-operator, Butler Livestock Company, stocker cattle and Quarter Horse operation (1979 – present); Ranch Manager, Rainbow Ranches, Kendrick, Idaho (1973 – 1979); Graduate Student, University of Idaho (1969 – 1972)

Honors & Awards: President's Award, American Farm Bureau Federation (2010); W. R. Chapline Land Stewardship Award, SRM (2002); Top Hand Award, Idaho Section SRM (1995); Eagle Scout

Other Interests: Raise & train Australian Shepherd stockdogs, host training clinics, judge working trials. I have dogs all over North America and Europe (1968-present); Raise Quarter Horses primarily for ranch and arena use (1986-present)

Leadership: Chairman, SRM Strategic Plan Task Force (present); Western Governors' Association Wildlife Council, Stakeholder Advisory Group (present); Co-chair, SRM Membership Taskforce (2010); Advisor, SRM Young Professionals

Conclave (2010); Idaho Wild Turkey-Migratory Waterfowl Task Force (2010); Western Legacy Alliance, Co-founder and Steering Committee (2008-present); Governor's Bighorn/Domestic Sheep Taskforce (2008-present); Idaho Working Lands Coalition (2005-present); Idaho Department of Lands, Livestock Industry Work Group (2005-present); Director SRM (2006-2008); Idaho Rangelands Committee (2003-present); Northern Director Idaho Section SRM (2003); Idaho State Department of Agriculture Rangeland Management Advisory Committee (2001-2004); Vice-Chairman (1999), Chairman (2000) Grazing Lands Conservation Initiative Idaho State Steering Committee; Northern Chapter Chairman, Idaho Section SRM (1995)

Statement by Wally Butler

I am flattered to have been nominated for second vice president of the Society for Range Management. As a retired member of the board of directors, I feel that I have the interest and experience to work my way through the chairs of this fine organization in a productive fashion. I believe that during my term as a director I demonstrated my strengths as a leader and my devotion to the society.

The society is positioned to strengthen its role as the scientific leader in range management. I possess the knowledge and people skills to help the society advance that leadership role. I have financial experience in several arenas and feel that I can be an important part of the team that gets SRM on sound financial ground. I have considerable political experience and understand the range management profession at all levels. I am passionate about proper stewardship of the land yet am fully in support of all appropriate uses of the land including livestock grazing.

I have not only an academic and scientific background but an extensive ranching background. I continue to own and lease private lands for livestock production purposes. My primary occupation involves lobbying our state legislature in all matters relating to proper range and livestock management. When

not advising legislators, I work directly in the field with all state and federal agencies. Please consider my strengths as a viable, well qualified candidate for this position.



L. Roy Roath
Fort Collins, CO

Education: B.S., Fish & Wildlife Management and M.S., Range Management, MT State University; Ph.D., Range Science, OR State University

Occupation: Semi-retired Extension range specialist, CSU

Section Activities: Producers Affairs, Student Activities Committees, President

SRM Activities: Member since 1971; Committees: Excellence in Grazing Management, Wildlife Habitat, Student Activities, Advisory Council, EVP Search (Chair), and many more; General Co-Chair, 2010 Annual Meeting, Denver, Colorado

Statement by Roy Roath

I have always had a love for the land and a great respect for those who manage it. My goal, in becoming an officer, is to have a larger platform to promote our commitment to rangeland management. This comes through understanding the application of both the **art and science**. I would like to join with the board of directors, other officers, and the staff, to steward the organization; and for SRM to be the most credible source of information for application of rangeland management.

It is, however, critical to find ways to move the organization forward so that it appeals to a broader base of members.

During the recent meeting in Denver, I hope many of you found it to be the broadest, richest program in recent memory. This was done to purposefully reach our current membership with information, but also to reach beyond our current membership and demonstrate to others that we, SRM, have information that applies to the interests and endeavors of ranchers, wildlife managers, invasive species managers, open space managers, green organizations and many others.

I have always been committed to the teaching-learning process and would continue to foster the teaching of rangeland management by all practitioners and scientists, but to also to foster a learning environment where everyone believes they are a learner not only a teacher.

In the final analysis "It is about the Land!!"

Candidates for SRM Directors: Anderson, Boothe, Hays, Isaacs



Val Jo Anderson, Ph.D.
Provo, UT

Education: B.S. & M.S., Utah State University; Ph.D., Texas A&M University

Occupation: Professor of range management at Brigham Young University and Chair of the Plant and Wildlife Sciences Department at Brigham Young University

Section Activities: : Section President (1996-1997), Chair of Information and Education Committee, member of Scholarship Committee, Plant ID & URME coach for BYU (1990-2007)

SRM Activities: Member since 1980; Student Affairs Committee & Chair of

Undergraduate Paper session (1995-2007), Chair of the 1995 SRM Summer Convention; Co-chair for Student Activities for 2004 Annual meetings in Salt Lake City; member (1990-present) and president (1995-1996) of Range Science Education Council (RSEC)

Statement by Val Anderson

The diversity of the goods and services required from rangelands now, relative to the time of the Society's inception, has increased the number and kinds of managers that are in play. However, our membership numbers are down from historic levels and we are left to wonder why and ask what we should be doing to attract the workforce of our industry.

I believe that our focus should be two-fold. First, SRM student programming has been effective, evidenced by the number of active members who first participated as students. Re-emphasis on including students in the work of the Society at both the section and national levels should be pursued. This creates a networking opportunity that can have direct benefit to students as they seek seasonal employment, graduate opportunities and eventual career positions. Secondly, we need to create greater incentives for those who work on the land, employed by both public and private entities, to attend and participate in the activities of the Society. Many employers have significant training budgets. Many who attend SRM functions are experts in the respective fields. It would seem like a battery of training courses could be held in conjunction with SRM activities that would promote the attendance at meetings, membership and perceived utility of SRM.

While these are not novel ideas, and to some extent they already occur, I believe that increased attention and diversity of offerings would broaden the prospective membership field and increase the influence that SRM can exert in the management of rangeland resources.



William L. Boothe
Lakeview, OR

Education: B.S. Range Management, University of Wyoming; M.S. Range Science, Colorado State University

Occupation: Range Management Specialist (RMS), Bureau of Land Management, Lakeview, Oregon; formerly RMS in Las Cruces and Albuquerque, New Mexico & Reclamation Biologist for coal mines in Raton, New Mexico and Sunnyside, Utah

Section Activities: Southern Oregon Chapter President, PNW Section Membership Chairman; 4 years PNW Board of Directors; PNW Vice President (2009); PNW President (2010)

SRM Activities: Member since 1978; Co-Chair Poster session, 46th Annual SRM Meeting, Albuquerque, New Mexico; Volunteer, 59th Annual SRM Meeting, Vancouver, British Columbia; Membership Committee; Advisory Council; Advisory Council Annual Meeting Subcommittee

Statement by Les Boothe

The Society for Range Management is a unique organization with a variety of members that include scientists, producers and land managers. Meeting the needs of our members is the primary challenge faced by SRM. The solution to this challenge lies in listening to members and facilitating the exchange of information and ideas through local forums and workshops.

The diversity of experience and knowledge possessed by SRM members is our greatest strength. This should be utilized to make SRM more proactive and a source of objective opinion during the public debate on rangeland issues. We should do more to promote SRM and

Open Spaces: The World's Rangelands

Society for Range Management

10030 West 27th Avenue
Wheat Ridge, CO 80215
Phone: 303-986-3309
Fax: 303-986-3892
E-mail: info@rangelands.org

We're on the Web!
www.rangelands.org



Deadline for the **November** issue is **October 15**. Send material to **Vicky Trujillo** at
vtrujillo@rangelands.org

PAYMENT WITH FOREIGN CURRENCY

Because of the high fees charged to convert foreign currency payments,
SRM can only accept payments made in US funds.

If you are a member outside of the US, please make your payments either by:
**Money Order (US funds only) - a check drawn on a US account (US funds only) -
or a credit card.**

We apologize for any inconvenience this may cause.

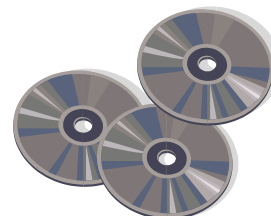
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303-986-3309 or email info@rangelands.org.



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You may also pay with a check by sending your order to
10030 W. 27th Avenue, Wheat Ridge, CO, 80215.



Have some pictures you'd like to share?
Send them to us and we'll see about using them.

Submit articles for the newsletter and include photos! Send to vtrujillo@rangelands.org.