



**Serving the Colorado
SAR Community
since 1966**

February—March 2006

NEWSLETTER

<http://www.coloradosarboard.org/>

Colorado Search and Rescue Board

PMB 424, 7645 North Union Blvd., Colorado Springs, CO 80920

Special Points Of Interest

- Elections
- Trainings!
- SARCON 06
- Keep your tootsies toasty!

**The next CSRFB
meeting is Mar
4th - Alpine
Rescue Shack in
Evergreen at
1200.**



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March CSRFB Meeting

03/04/06

Alpine Rescue Team "Shack"

**General Membership Meeting starts at 1200
Training starts at 1400**

CSRFB Election Results

The CSRFB held its annual election Saturday, January 7 and elected six directors to the Board of Directors .

Incumbents reelected to a two-year term:

Bruce Fosdick, Douglas Co. SAR Team

Leonard Ginther, Civil Air Patrol

Howard Paul, Alpine Rescue Team

New directors elected to a two-year term:

Joe Ben Slivka, Summit Co. Rescue Group

Ryan Root, Front Range Rescue Dogs

Tim Holden, Rocky Mountain Rescue Group

The balance of the BoD (elected to two-year terms a year ago) is:

Dan Remsburg, Teller Co. SAR Team

Ian Vowles, Mounted SAR

George Janson, Larimer Co. SAR Team

Barry Mitchell, Douglas Co. SAR Team

Mike McDonald, Douglas Co. SAR Team

Lanny Grant, Garfield Co. SAR Team

In addition, officers elected by and from the board for 2006 are:

President Howard Paul, Alpine Rescue Team

Vice-President Joe Ben Slivka, Summit Co. Rescue Group

Treasurer Bruce Fosdick, Douglas Co. SAR Team

Secretary Dan Remsburg, Teller Co. SAR Team

We all thank very, very much Phil Luethy, Alpine Rescue Team and Bill Young, Larimer County SAR Team for their leadership as directors of the organization.

Howard Paul

News, Notes, and Stuff...

Alien Recall

Colorado Custom Hardware, (CCH) has recently completed an investigation and extensive testing to identify and isolate safety issues concerning the brazing on CCH Alien cams. The safety of our customers is our number one priority.

Testing has revealed that there was a brazing issue with specific cams made after November 2004. The units to be identified are marked with a small center punch dimple at the base of the round ball where the axle goes through the cable eye. Although few failures have been reported, CCH recommends immediately discontinuing the use of any Aliens with this mark.

CCH is recalling the cams with the identifying punch mark. Please return them to CCH for a new replacement unit.

You can mail your cams to:

Colorado Custom Hardware, Inc
ATTN: Brazing Recall
115 E. Lyon St
Laramie, WY 82072

If you are not sure if your cams are included in the recall, please contact us at (307)721-9385.

We sincerely apologize for this inconvenience and we are doing everything possible to correct it quickly. There will be a photograph on our web site to help to identify the cams that need to be returned. The Web site address: www.Aliencamsbycch.com

Sincerely,

Colorado Custom Hardware, Inc
115 E. Lyon St
Laramie, WY 82072

Value of Volunteer Time

The value of a volunteer's time in the United States has been calculated to be \$17.55. The figure is often used by volunteer organizations to place a dollar value on invaluable time donated by members. The article [at the link below](#) shows how the numbers were obtained and specific values for each state.

http://www.independentsector.org/programs/research/volunteer_time.html

NASAR News

NASAR is pleased to announce the Credentialing Card program effective March 1st. Not to be confused with the previous member card, the Credentialing Card will be available to anyone that has a SARTECH II, SARTECH I, K9 SARTECH III, K9 SARTECH II, K9 SARTECH HRD Land, K9 SARTECH HRD Water and K9 SARTECH Disaster. The cost for the card to voting members is FREE! The cost for K9's that belong to a member is \$10. The cost for the card to non voting members or non members (human and K9) is \$35. Information on how to receive your card or purchase your card will be in the February NASAR Newsletter.

NASAR will no longer be issuing a hard plastic card as the member ID card rather the standard ID card that has been used in previous years. This decision was made because we were informed that the card was being used to gain access to searches or other events, even if no credentials were listed on the back. This is a liability to NASAR. See bullet above explaining that this is now a Credentialing Card, not a membership card.

**Your
Current
CSRB
Board**

Howard	Paul	hmpaul@ecentral.com	President/D
Joe Ben	Slivka	jbslivka@co.summit.co.us	VP/D
Dan	Remsburg	n0vsx@msn.com	Sec/D/Newsletter
Bruce	Fosdick	b_fos@msn.com	Treas/D/MC
Leonard	Ginther	l.l.ginther@worldnet.att.net	D/MC
Lanny	Grant	lannyg@earthlink.net	D
Tim	Holden	timothy.holden@colorado.edu	D/MC
George	Janson	georgej@nrel.colostat.edu	D/MC
Mike	McDonald	mgmsar@comcast.net	D
Barry	Mitchell	n0kv@arrl.net	D/MC
Ryan	Root	barkingdog@qwest.net	D
Ian	Vowles	Ian@modric.net	D

CSRB Meeting Minutes

07 January 2006

Alpine Rescue

Meeting called to order at 1211.

Elections:

6 positions are up for election on the BOD. Incumbents in the middle of their 2 year term are: Dan Remsburg, Ian Vowles, George Jansen, Barry Mitchell, Lanny Grant, Mike McDonald. *Nominations for the open positions are:*

Howard Paul, ART
Bruce Fosdick, Douglas SAR
Joe Ben Slivka, Summit County Rescue
Leonard Ginther, CAP
Tim Holden, RMRG
Ryan Root, FRRD

Call for nominations from the floor with no results.

Mike McDonald moved/Ian Vowles 2nd to close the nominations. Unanimous AYE

Ian Vowles moved/Dan Remsburg 2nd to accept the ballot by acclimation. Unanimous AYE

Resources:

Dogs—3 are in testing, 7 operational (unsure on number as notes cannot be confirmed)

Barry Mitchell has designed and built a portable repeater box that can be used as a remote repeater. It is now available through him.

General Tom Greer has retired. His replacement is in the works.

Trackers—Had one of our RMT members travel to Hawaii to assist in locating a missing hiker there.

Commo— Joe Ben Slivka—there are some remote tri-band repeaters that may be coming soon.

LOA—Barry Mitchell is collecting letters from various agencies. Looking to get a Letter of Delegation to CSRB. Had a discussion on the MOUs re: aid requests, NPS, etc.

Standards:

Typing for WSC is going to ASTM for discussion and vote

Mounted typing is still in the works

Drew Davis is starting to work on the Mountain Rescue Team typing.

We had a lengthy discussion on the All-Hazard –vs– SAR Overhead credentialing system. Looking for national credentialing. Barry Mitchell will represent CSRB along with Drew Davis.

Training:

SARCON 7/20-23 @WSC Gunnison. “www.sarcon06.org”

Dates for MLSO/MLPI are still being worked on as well as the locations. MLPI in Wyoming 1/16-19.

Bruce Fosdick handed out a flyer for an MLSO course being held there 2/4-5 and 2/11/12.

MRA:

Meeting in two weeks. There are no changes to the recent guidelines. Douglas is a new team. Mesa has joined as an associate member. Grand and Routt have passed re-certs.

NASAR:

Meeting this month of the NASAR BOD. Communications are getting better.

SAR Fund:

Meeting last Wednesday. CSRB is short a seat CSCO also has an empty seat due to the Douglas Sheriff leaving. A 20 page annual report was put out. The roster in it was old. There were 21 Tier I requests for \$29K. CORSAR card sales are increasing slowly. Tim Sarmo is retiring. DOLA was specifying that only 800 Mhz radios could be bought with SAR funds. The issue is under appeal. The mileage rates for the fund are 28¢ per mile for 2wd vehicles and 32¢ per mile for 4wd. Grant packets will be going out in February. Reminder to applicants that the request must be justified by mission stats. The new Habitat stamp will have a 25¢ fee added to it for the fund.

PR:

Discussed the Skier Safety issues that have come up lately regarding increasing the fees for violations and the skia rea responsibility regarding property boundaries (out of bounds –vs– out of ski area). DOLA will not reimburse for a criminal activity.

Comms:

Our frequency requests had to be sent back to coordination.

Other:

Legal—Numerous replies to ur request for legal counsel. They are being reviewed.

All Hazard—Explanation to the group about what it is.

SAR Plaque—No response from the group who started it. We need to act on working on it to I nclude standards for inclusion. Bruce Fosdick will do th edraft.

SAR Survey—Has not been sent out yet (very soon). Wil be in Excel format. Teams will submit current stats for 2005 and another in 13 months for 2006. 80% of the teams were contacted.

Greenlee—Charley Shimanski is looking to establish a “fund raising bootcamp” to give Emergency Groups training to raise funds. Look for it late spring of 2006.

Missions:

Barry Mitchell—There was a PLB set off in Larimer County in a housing development. It was turned off again.

Most teams reporting quiet. Douglas has seen a 40% increase.

CAP had 145 responses with 43 missions in 2005. Summit is reporting that DEEP SNOW is hampering search efforts. Alpine reports that the recent victim of an avalanche had left his beacon in the car. It does not help much if it is not on you!

CSRB BOD Meeting held after the General meeting to elect officers. See the results on the first page.

Training held afterwards by Paul Cooke (CO Div of Fire Safety) concerning the Colorado Incident Management Teams

*Respectfully Submitted,
Dan Remsburg
CSRB Secretary*

International Avalanche Danger Scale

LOW (green) Natural avalanches very unlikely. Human triggered avalanches unlikely. Generally stable snow; isolated areas of instability. Travel is generally safe. Normal caution advised.

MODERATE (yellow) Natural avalanches unlikely. Human triggered avalanches possible. Unstable slabs possible on steep terrain. Use caution in steeper terrain on certain aspects.

CONSIDERABLE (orange) Natural avalanches possible. Human triggered avalanches probable. Unstable slabs probable on steep terrain. Be more cautious in steeper terrain. Be aware of potentially dangerous areas of unstable snow.

HIGH (red) Natural and human triggered avalanches likely. Unstable slabs likely on a variety of aspects and slope angles. Travel in avalanche terrain not recommended. Safest travel on windward ridges or lower angle slopes without steeper terrain above.

EXTREME (black) Widespread natural or human triggered avalanches certain. Extremely unstable slabs on most aspects and slope angles. Large destructive avalanches possible. Travel in avalanche terrain should be avoided and travel confined to low angle terrain well away from avalanche path run-outs.

Upcoming CSRB Training

Leonard Ginther

Class: Managing Land Search Operations (MLSO)

Location: Montrose, CO

Dates: March 18 & 19, March 25 & 26

Cost: \$150.00

Contact: Kenneth Herrick 970-596-3354 and

kenneth.herrick@qwest.com

Location: Delta Montrose electric assoc. conference room.

Hotels:

1. Hampton Inn.
\$84.00 a night

2. Holiday Inn Express
1391 S. Townsend
Montrose Co. 81401
tel# 970-240-1800
\$69.00 a night

3. Quality Inn & Suites
2751 Commercial Way
Montrose Co. 81401
tel# 970-249-1011
\$49.00 a night

Please have students reference Montrose County Sheriffs Posse for rates.

Class: Managing Land Search Operations (MLSO)

Location: Fort Collins, CO

Dates: June 17-18, 24-25

Cost: TBD

Contact: TBD

Location: Larimer County EOC

Class: Managing Land Search Operations (MLSO)

Location: Aspen, CO

Dates: September

Cost: TBD

Contact: TBD

Location:
TBD



Keeping Your Feet Warm

In anticipation of a winter search and the upcoming winter overnight, I decided to look at two chemical type foot warmers to see if they lived up to their packaging. I wanted to see how long they maintained their temperature and to compare one type with another. I selected two types made by Grabber®. They were obtained from REI and although I've used these types of warmers before, this was the first time I'd ever tested them. After seeing the results of this test, I'm going to pursue more tests to determine how repeatable the values are and to compare other types and companies.

The two types of toe/foot warmers are shown in Figure 1. Note that the Toe Warmers are the smaller white versions while the Foot Warmer comes in the shape of an insole. In order to test the two types of warmers I taped (gaffer's tape) a fast response thermistor to each type of warmer. The thermistors were then connected to an Explorer GLX data recording unit (PASCO, Inc). The sampling rate was set at 2 samples per second. Then the two warmers with their thermistors were placed separately inside one of my winter hiking boots following the instructions on the back of the packaging. The tops of the boots were closed with cotton material to ensure that the boots were not open to the environment. The boots were placed on a laboratory counter at room temperature. The sampling went on for several hours to determine the duration of the heat emitted from the warmers. The Toe Warmer boasts of lasting for 6+ hours at an average temperature of 100 deg F. (38 deg C). The Foot Warmer boasts of lasting for 5+ hours at an average temperature of 95 deg F. (35 deg C).



Figure 1. Toe warmer (left) and foot warmer (right).

Results

The overall thermal changes are shown in Figure 2.

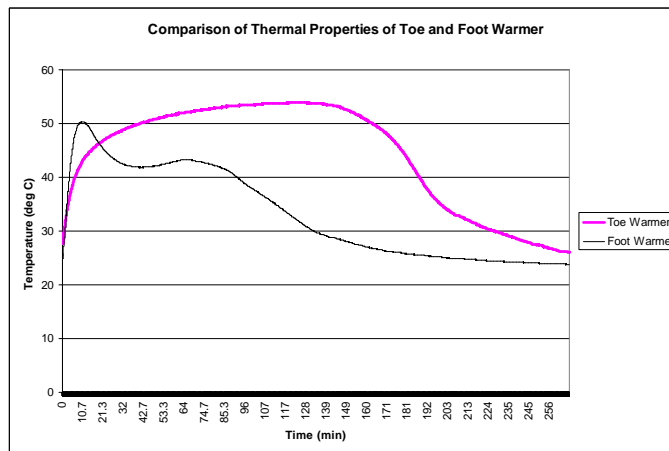


Figure 2. Thermal properties of the toe and foot warmers. Note that the Toe Warmer took longer to reach its highest heat levels, but that it sustained those heat levels for some time. The Foot Warmer heated up more quickly but showed a rapid decay in temperature followed by a leveling off and then further decay.

Both warmers showed that they could exceed 50 deg C, in spite of listing on the packaging that their maximum temperatures were 42 deg C (Toe Warmer) and 39 deg C (Foot Warmer). However, this may have been due to the ambient temperature certainly being higher than that encountered in normal use outdoors and in the cold. However, on the basis of the thermal comparison, it is clear that the properties of the two warmers are quite different. In short, it would appear wiser to invest in the Toe Warmers if you expect to be out in the cold for an extended period. Moreover, neither warmer lived up to its billing regarding the duration in which they will provide added heat. The Foot Warmer returned to near initial temperature in slightly more than two hours while the Toe Warmer lasted almost twice as long – nearly four hours. If we consider the time in which temperatures exceeded 40 deg C, then the Foot Warmer lasted approximately 90 minutes while the Toe Warmer lasted nearly three hours. In neither case did they reach the packaging statements of 5+ hours (Foot Warmer) and 6+ hours (Toe Warmer).

I hope to continue these tests in the future and make further analyses regarding variability of these warmers, durations, and manufacturer comparisons. However, based on this initial investigation it is clear that Toe Warmers are probably a better choice for search operations, and given the average length of a search it is apparent that these types of toe/foot warmers will need replacement during the search.

Wm A. Sands, Ph.D.
Head - Sport Biomechanics and Engineering
U.S. Olympic Committee - Sport Science
Teller County SAR

Colorado Search and Rescue Board's Annual J. Hunter Holloway Spirit Award

J. Hunter Holloway had an enormous influence upon SAR in Colorado. Through his years of work in public safety education, training of SAR team members, promotion of Colorado's SAR team efforts to the public, field responses and mission management, SAR team as well as CSRБ leadership, and representation of our SAR community on the Division of Wildlife's SAR Advisory Board, Hunter worked tirelessly to advance the skills and professionalism of Colorado's SAR responders and SAR system. His ultimate goal was to insure the public could travel the backcountry of our state, having in place one of the nation's foremost SAR communities to provide aid when needed. His spirit is remembered by presentation of this award to those in Colorado who best exemplify his dedication to Colorado SAR.

Past recipients of the award include:

Tim Cochrane, Vail Mountain Rescue Group, 1993
Dixie Ferrick, United SAR, 1993
Mineral County Sheriff Phil Leggett, 1994
Stan Bush, Arapahoe Rescue Patrol, 1995
Ron Bookman & Charley Shimanski, Alpine Rescue Team, 1996
Earl & Betty Berger, Colorado Wing, Civil Air Patrol, 1997
Joanne Stone, Gunnison Co. S.O., 1997
Howard M. Paul, Alpine Rescue Team, 1998
Drew Davis, Larimer County SAR Team, 1999
Tom Frazer, El Paso County SAR Team, 2000
Bruce Fosdick, Douglas County SART, 2004
Barry Mitchell, Douglas County SART, 2004
David Thorsen, CSRБ, Park Co. SAR and SCRG, 2005

WHO IS ELIGIBLE

Any individual, whether or not directly affiliated with a SAR team, is eligible for this award by having demonstrated their dedication to the Colorado SAR community, or to (a) subject(s) of a SAR mission in any of the following areas:

FOR WHAT ACTION

- Personal effort in public preventive safety education.
- Personal effort in professional education of the SAR community.
- Extraordinary efforts in a search or rescue mission, either afield or in mission management.
- Extraordinary efforts in ongoing support of SAR missions during the entire year.
- Personal commitment to the professional advancement of Colorado's SAR community.

DEADLINE

Nominations will be accepted from any member of the CSRБ (individual) or CSRБ member organization (teams, other organizations), or any Colorado county sheriff. Nominations are due to the CSRБ by May 1st. The award will be presented at the Annual CSRБ SAR Conference in July.

HOW TO NOMINATE

Nominations should include, at the minimum:

- Name, address, organizational affiliation and telephone number(s) of the nominee
- Name, address, organizational affiliation and telephone number(s) of the nominator.
- Complete SAR biographical profile of the nominee
- Relevant personal biographical information
- Complete details of the events, or ongoing service, for which the nominee has been chosen.

The greater the detail of the above information, the easier it will be to evaluate the appropriateness of making such an award.

Mail nominations to:

J. Hunter Holloway Spirit Award
Colorado Search and Rescue Board
7645 North Union Blvd., #424
Colorado Springs, CO 80920

Search & Rescue Dogs of Colorado Statistics and Report for 2005

SARDOC dog teams responded to 91 search missions during 2005, down from a total of 124 missions during 2004.

SARDOC dog teams were responsible for 5 “finds” (a total of 7 people) and 7 “assists” – where the dog team provided information which led to the subjects being found by other searchers such as ground teams, divers, etc. As in the past, the vast majority of those missing or lost were hikers.

Analysis of the available information indicates that SARDOC dog teams fielded on 71% of the missions responded to and made “finds” or “assists” on almost 18% of the missions where dogs were fielded. Another interesting thing noted about 2005’s activity, was the fact that there were several multi-day mis-

sions throughout the state that taxed the availability of all resources, not just dog teams.

Dog handlers, like other SAR members, experienced a significant spike in the costs associated with response to long distance missions during 2005. As this trend will probably continue, it would be appreciated if agencies requesting long distance and/or multi-day responses by SAR personnel seriously consider being prepared to request DOLA reimbursements where applicable. This would help to ease the burden on individual SAR members and improve the response of limited resources such as certified, operational dog teams.

Respectfully submitted,

Dennis McLaughlin
SARDOC Dog Coordinator
18 January 2006



SARCON 06 July 21-23, 2006 Western State College Gunnison, Colorado



This year’s conference will be held at WSC in Gunnison, with exciting training courses on both Friday and Saturday followed by presentations and reviews of the major missions of 05 by top members of the SAR community.

Registrations will open around January 21st via the new electronic system.

Watch the website for the latest details :
www.sarcon06.org

This will be the event of 2006 you will not want to miss! Mark your calendars now – out of state folks will be considering booking vacations around this weekend. A good attendance is expected from the region.

See you in Gunnison !





PMB 424, 7645 North Union Blvd
 Colorado Springs, CO 80920

Upcoming Calendar of Events

CSRB Meeting	3/4	Alpine Rescue
MLSO Class	3/18-19, 25-26	Montrose, CO
CSRB Meeting	5/6	Alpine Rescue
SAR 06 (NASAR)	5/24-27	Austin, TX
MRA International Conference and Workshop	6/15-18	Marin County, CA
MLSO Class	6/17-18, 24-25	Ft. Collins, CO
SARCON 06	7/21-23	WSC Gunnison, CO (see article inside)

Remember to send newsletter articles to: "n0vsx@msn.com". Mail to: Dan Remsburg, 1913 County Road 782, Woodland Park, CO 80863. Do you have a great SAR photo? Any photos submitted can be scanned and returned.