

Serving the Colorado SAR Community since 1966



June-July

2008 Issue

The next CSRB meeting is July 19th - WSC in Gunnison, CO at 1900 hrs.



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

Colorado Search and Rescue Board

July CSRB Meeting

07/19/08

WSC in Gunnison, CO (during SARCON)

General Membership Meeting starts at 1900

CSRB Meeting - changes again!!

The July meeting of the Colorado Search and Rescue Board was originally scheduled to occur over the Fourth of July weekend. That was not exciting for the host organization nor members we talked to.

As a result the July meeting of the Colorado Search and Rescue Board will meet at SARCON 2008 in Gunnison - July 19th on the campus of Western State College, starting at 7 pm. Come for the meeting or come for the entire conference!

The staff at the conference as snuck us into their exciting program and we hope not to let anyone down. SARCON is a great venue to meet other search and rescue folks from around the state as well as the nation. See you in Gunnison.

The September meeting is currently scheduled in Grand Junction, Colorado - Saturday September 6th (no it's not a holiday weekend). September's meeting will begin at noon. More on that meeting later!

NASAR Conference

The National Association for Search and Rescue held their annual conference in Colorado Springs this

year, in June. People from all over the country visited beautiful Colorado Springs and were treated to numerous training activities. Several CSRB instructors were presenters at the conference (and they may be seen again at SARCON).

The State Coordinators met with many of their counter-parts from throughout the country and the federal agency representatives. Many interesting things on the horizon.

Many thanks to Howard, George, Barry, Mike and Bruce who spent time in the CSRB booth. Without you, we would have just been an empty booth.

Next year's conference is in Arkansas.

Mountain Rescue Conference

By the time the newsletter hits the stands, many of CSRB's teams will have sent members to the Summer conference in Stowe, Vermont. Always a good venue to see new tricks in technical rescue and see how it's done around the country.

(Continued on page 4)

News, Notes, and Stuff...



Photos from the JHPTS tracking class in Mesa County. There will be classes in Ouray and Ft. Collins coming up if anyone is interested. Contact Rocky Mountain Trackers or JHPTS for more info.



<http://www.rgj.com/apps/pbcs.dll/article?AID=/20080625/NEWS18/80625055>

GEAR NOTES: RECALLS AND MANUFACTURERS' TIPS

- Petzl has created new videos showing the proper use of its popular Reverso and GriGri belay devices. To view the videos, click [here](#) for the GriGri video and [here](#) for the Reverso.
<http://en.petzl.com/petzl/SportProduits?Produit=203>
<http://en.petzl.com/petzl/frontoffice/Sport/static/services/REVERSO/reverso.htm>
- Omega Pacific is asking climbers to inspect any Link Cams they own for a rare defect in which axle ends may have been finished improperly prior to May 2007. For information and photos showing how to inspect your cams, click [here](#).
http://www.climbing.com/news/press/link_cam_inspection_notice_update_axle_nut/
- Kong oval carabiners with the model number 0426 have been ordered withdrawn from the market by European authorities because they did not meet strength test minimums. For more info, click [here](#).
http://ec.europa.eu/consumers/dyna/rapex/create_rapex.cfm?rx_id=182
- Yates Gear has alerted consumers that there may be a rare premature release of the "Small Ear" Stablock quick-release buckles used on the leg portions of various Yates harnesses. Any user of harnesses containing quick-release Stablock buckle systems who has safety concerns can return the harness to Yates, and the buckles will be replaced with standard Camlock buckles at no charge. Please call for a return authorization number prior to shipping any harness: 530-222-4606

The State of Nevada has released an audit of the Steve Fossett search. "At the request of the Executive Branch Audit Committee, we [Division of Internal Audits] conducted an audit of operating procedures and billing and cost management related to the search for Steve Fossett." "Our audit focused on the following objective: Can the State improve its search and rescue operations?"

Not surprising, the answer was yes. The audit report is here:
<http://dintaud.state.nv.us/Steve%20Fossett%20final%20report%20pdf.pdf>

More interesting are the responses from the Governor and Secretary of State as reported by the media. Here are a couple of examples.

<http://www.lasvegassun.com/news/2008/jun/26/audit-critical-of-nevada-search-for-steve-fossett/>

YOUR
2008
CSR
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CSRB General Meeting Minutes
3 May, 2008
CMC, Edwards, CO

Discussion about Wolf Creek incident preceded the meeting.

Meeting called to order @1208

RESOURCES

The Resource callout list is going around. Be sure to check the info on your unit to ensure it is accurate.

3 new cadaver dogs are coming up in the next couple of months.

GOVERNOR'S PROCLAMATION

May is Search and Rescue month. ART had radio announcements done. Teams need to promote in their community. TV crews were there for the proclamation. Gov. Ritter is very supportive.

HB1097—the protection for workers involved in SAR—passed and signed.

STANDARDS

The FEMA standard for comment was due 3/21. It was opened again and then closed shortly. A new contractor is hired for the credentialing.

IMT— Reviewed taskbooks for T3. About 20 were approved. Next meeting is the end of July.

TRAINING

Archuleta is hosting a class this fall and EPSAR is talking about a possible class. NASAR is not giving any classes at its conference. We are trying to get SarTech II at SARCON.

ORGANIZATIONS

MRA—Doing a recert at RMR in a couple of weeks. The regional meeting will be that Saturday. Holding training in Routt county in September.

NASAR—Discounts for CSRB members to attend the conference. We are swapping tables and brochures with our SARCON this July.

- Article in the Vail paper yesterday regarding avalanches.
- Tim Cochrane will travel to Italy in September to receive his silver plaque detailed in last month's newsletter.

SAR FUND

Meets on 5/21. All grants are in totaling \$583k with only about \$300k available. Again, radios requested must be identified for your comms region to be eligible. They are watching the requests very close. They need detail in the

request. General wording simply will not cut it. Most likely you will not get TIER 3 funding and grant money.

COMMUNICATIONS

Joe Ben Slivka—APC is revising the language about rescue services. There will be a freeze on digital installs/apps until mid July.

OTHER

All Hazard—The state was hit by the AG report for Emergency Management. Need a state agency to manage emergency services. CSRB has a standing voting seat at SA-HAC. Need an alternate rep. Thur 9/1. **Barry Mitchell volunteered.**

State 1st Responder Credentialing—September 6th in Grand Junction. Mesa County SO. November in the SW corner of the state.

We want to offer trainings at the CSRB meetings. Starting to work on ideas.

Who performs SAR position paper—Bruce will follow up with CSOC on Thursday.

MISSION REPORTS/LESSONS LEARNED

Gilpin—Had a mission they were not paged out on that Alpine handled. Home team did not know about it.

Mesa—about 20

Summit—A drunk can travel an amazing distance in the deep snow. Found 3/4 mile from the bar in a cornice. Use facts. Be careful about opinions.

Garfield—12 calls. Are expecting a heavy volume of water related calls.

CAP—CSRB presentation at the conference

Larimer—Last mission was 2/9. Found a bipolar on a skateboard.

Grand—First year they had no snowmobile fatalities! Had their 1st SPOT call. Got 3 sets of coordinates. 2 were on but one was off.

Training on CASIE followed the Meeting

Respectfully Submitted
Dan Remsburg
CSRB Secretary

(Continued from page 1)

Wolf Creek Pass Search ends

As the newsletter was going to press, we were notified that the two missing snow boarders from New Mexico had been located at Wolf Creek Pass. The two young men had been missing since January. More information will be available at SARCON 2008.

DOLA Grants

The Advisory Board for Colorado Search and Rescue Fund, administered by the Department of Local Affairs, has met and made recommendations for

this year's grant process. County Sheriffs will be notified after the fiscal year (June 30th) as to their county grants and the checks are estimated to come out in late August. The recommendations have been forwarded to the Director of DOLA, who will make the final decision.

Funding for these grants is provided through a series of fees on hunting and fishing licenses, boating, snow mobile and Off Highway vehicle permits and the Colorado Outdoor Search and Rescue Card.

Grant monies are available after search and rescue missions for licensed recreationalists and their families have been covered.

Temperature drop at altitude?

Have you ever wondered what is the temperature drop per 1,000' of altitude? It is always mentioned as 3.5 to 5 degrees F. Colorado avalanche expert Dale Atkins offers this layman-understandable explanation.

Yes, the agreed upon change in temperature with a change in height is 3.5 to 5.5 degrees F per 1,000 feet. Air will cool at this rate when going up (expansion) or warm at this rate when going down (compression).

The reason for the range is for the two different states -- dry and moist -- of the atmosphere. When the air is dry it cools (going up) and warms (going down) at a rate of 10C/km or 5.5F/1000ft. This is known as the dry adiabatic lapse rate. "Dry air" means air that is not saturated; the temperature is above the dew or saturation point. The air can feel very moist -- relative humidity of 99% -- but it is still considered "dry".

Once an air parcel reaches its dew or saturation point -- RH becomes 100% -- the parcel is considered "moist" and cools at a lesser rate. The reason for the lesser rate -- 6C/km or 3.3F/1000ft -- is because when an air parcel has reached its dew point, condensation occurs and latent heat is released. Saturated is where clouds are. When speaking of the atmosphere -- meaning the troposphere where all "weather takes place" -- the range of both dry and moist lapse rates should be used. Only a specific air parcel can be said to be "dry" or "moist." It will often start "dry" but as it

lifts, it cools until the dew point is reached (clouds form) and then it can be said to be "moist."

When dealing with climate (average weather over long periods of time) a single value lapse rate -- average or standard lapse rate -- has been calculated at 3.6 degrees F per 1,000 feet. However, some days the air cools more quickly with ascent, increasing the lapse rate. On other days, the air cools less, and the lapse rate decreases. So from day to day and even season to season lapse rates fluctuate. The standard lapse rate works reasonably well for summer mornings, but for later in the day and for most of the rest of the year, and when not in clouds, use the faster cooling dry adiabatic lapse rate. Once in the clouds, use the moist adiabatic lapse rate.

Knowledge of lapse rates can be helpful to estimate temperatures at higher elevations, especially during periods of stable (not changing) weather. For example on July 1, 2008, Denver's high temperature was forecast to reach into the mid 90s. If in the late morning your rescue team was paged out for a mission above treeline in the Front Range, what might you estimate the high temperature to be at 12,300 feet?

On the 1st, the general weather was dry and unchanging, at least before any afternoon thunderstorms fire up, so you can use the dry adiabatic lapse rate (5.5F/1000ft) to make your calculations. The change in elevation from Denver to the high mountains is 7,000 feet. If we guesstimate Denver's high temperature will reach 95F we can expect a high temperature at 12,300

feet to reach 56.5F. While enroute your team was stood down, so you didn't get to field check your calculations. While watching the evening news you learn Denver's high temperature reached 94F at 1241 and you are reminded of your mountain temperature estimate. After a few minutes on the Internet you learn the Berthoud Pass met station (12,015 feet) reached 53F at 1300 hrs, and a look at the Niwot Ridge D1 met station (12,264 feet) showed 55F at about the same time. Close enough.

Dale Atkins is a member of Alpine Rescue Team, Evergreen, and is the U.S. representative to the Avalanche Commission of IKAR, the International Commission on Alpine Rescue. He is a former ski patroller and forecaster for the Colorado Avalanche Information Center and currently works for Recco, the Swedish firm that developed the Recco avalanche rescue system. He can be contacted at snodale@comcast.net.



SARCON 08

SARCON 2008 is coming !!! This year's amazing SAR conference will be held at Western State College, Gunnison, between July 18th - 20th. We have added more classes in the past few weeks and encourage you to visit the website: www.sarcon.org to stay up to date! For those new to Search and Rescue, several solid basic classes have been arranged. These will provide newer members a good grounding and the basic principles of SAR, how to search, stay safe and communicate. Our instructors have many years experience teaching these critical subjects.

Virtually all courses will provide "hands-on" training as well as lectures. After the resounding success of 2006 with the introduction of the 4 hour teaching block concept, we will repeat the same format in '08. Each subject is offered for a 4 hour class, thereby allowing all attendees to have a good chance to really learn and retain the skills. In addition, most classes repeat once increasing the opportunities to attend the classes you want. (See class schedule) As well as the basic introductory classes, which have been so enthusiastically received – where else can you learn map/GPS, basic SAR skills and navigation /tracking all before beer 'n pizza?

We will also be offering a wide variety of challenging and exciting programs for all tastes. These include top instructors in Track Awareness, world authority and leader in the USA for Alzheimer's and the issues faced by searchers seeking such subjects, SAR Data and lost person behavior by a recognized national authority, Clue Awareness and how to really find them!! A seminar on the Analysis of Technical Rescue Systems - how to make it work from and be safe !

You will be able to get your hands on more ropes with the Technical demo of various systems, in particular one of our vendors will be making equipment available to work with and evaluate in your own hands. Forensics and crime scene scenarios, (how CSI is not quite real), Search Theory and its application in Land SAR. Due to the ever changing communications scene, we have added a class specific to today's issues, and as more and more of us come up against ICS in day to day scenarios, we have added a short course for prospective section chiefs .Plus many more attractions

to tempt the SAR volunteers, new and vintage! Further subjects also cover use of air support, how to locate and prepare an LZ, load/unload and fly safely in helicopters, use of air assets and CAP - high birds when radio is an issue, what is available, where and how to get it. We are now advised that CAP will bring their Hyper Spectral GA-8 aircraft which should offer a perspective many of us will never normally see!!

We are looking forward to welcoming back the Colorado Army Guard helicopters and our new instructor team from Flight for Life.

SARCON has so much to see and learn we almost need to make a video of it to enjoy year round !! (Any offers?)

In addition to many chances to sharpen your skills over the weekend, both Friday and Saturday night will feature events, presentations, key note speaker and a BEER 'N PIZZA "Social" - the chance to network and socialize with your peers, browse the Vendors wares and relax in our new exciting venue at Aspinall Hall.

Online payment and registration is available. Our payment system takes Visa and Master Card. You can securely pay online or you can send a check. Simply complete the online registration, print a copy and mail it in. If your agency is a branch of government: Federal, State, or County - we will accept printed registrations from the online system with your purchase order. (Fax these to: 800-813-2128) Cancellations: No matter how hard we try, cancellations cost us money. If you have to cancel, trade with a colleague - we can easily change the name. If it is unavoidable we will do our best to refund you 100% but each case will be evaluated on its merits.

Thank you for supporting YOUR conference, it is a great pleasure to help arrange it.

On behalf of your 2008 SARCON team, we look forward to seeing you in Gunnison!

Ian Vowles

Coordinator 2008



Civil Air Patrol searches for missing aircraft

Colorado Wing members defied bad weather to devote nine airplanes, 35 flights and nearly 80 hours in the air to the search for a missing twin-engine Cessna 310 found after two days.

- The Air Force Rescue Coordination Center had asked the Colorado Wing on May 25 to search for the Cessna, whose pilot had picked up his father at Yampa Valley Regional Airport in Hayden and left for Fort Collins but never arrived. The pair were going to run in the Boulder Boulder race on Memorial Day. The flight had originated from Animas Airpark in Durango early that morning.

- Colorado Wing CAP, with considerable assistance from the Federal Aviation Administration, collected and analyzed radar data. 3 possible tracks were found, two in Routt County and one near Berthoud pass. The search area covered more than 4,000 square miles, 11 counties and into Wyoming. The search lasted 3 days.

- Joining the CAP members searching for the plane were two helicopters, one from Routt County and one from the Army National Guard stationed in Eagle. Routt County also dispatched ground teams to assist CAP with the search. Weather along the Continental Divide and on the front range hampered the search. F.E. Warren AFB had helicopters on standby but was unable to fly during the search due to high winds and low visibility during the entire search.

- A Routt County Search and Rescue ground team found the downed craft May 25 after a team member smelled aviation fuel while riding a snowmobile through the search area. Neither the pilot nor the passenger survived. The plane burned on impact, disabling the ELT.

Nearly 10 feet of snow covered the ground at the crash site.

Maj Mark Young
Director of Emergency Services
Colorado Wing Civil Air Patrol
Incident Commander



BAILEY DAZE—Park County Search and Rescue set up their barbecues in Main Street and cooked up a storm! The locals who turned out for the evening got their fill of the best huge brats, hamburgers, and spaghetti and fixin's in an "all you can eat" stuffing!



Great Job Guys!

Nice T-Shirt!



CSRB Training Team

Managing Land Search Operations (MLSO) Classes:

March CSRB trained 15 students in Managing Land Search Operations and Managing Lost Person Incident at Alpine Rescue Group. This fall Archuleta County is offering to host a class, please watch for more information.

As a minimum CSRB needs at least 12 students; at the current rates that just covers expenses for materials and instructor expenses. The instructors need a classroom that can hold the class with either enough space to break out the map problems or separate rooms to work map problems. A PowerPoint projector also helps. The instructor group brings all other materials needed for the class. The cost of \$150 per student then covers books, presentation materials and most of the instructor's expenditures. This is a bargain as most business management classes start at \$3,000 a student. CSRB has worked hard to keep these costs low and have not changed prices in a couple of years despite rising prices everywhere else.

The next class is scheduled for September or October in Archuleta County the date will be announced soon. CSRB is committed to presenting two classes a year or more as needed. Is your team interested in hosting a class? Contact me to find out how relatively simple it is to do so!

SAR Conference:

Don't forget the SAR Conference July 18-20, in Gunnison, where an outstanding assortment of classes will be presented. It fea-

tures four-hour time blocks that allows detailed review of the topics presented – both in the field and the classroom. Please see the WEB page for information: <http://www.sarcon.org/>.

Training Team:

During the SAR Academy 2007 we were approached by multiple teams to look into supporting NASAR's SARTECH program. After looking into the process I have convinced the board to consider putting together an evaluator cadre. Now we need people to train to be able support the SARTECH II program as evaluators. At the NASAR Conference in Colorado Springs in May I made contacts with some NASAR evaluators. CSRB is willing underwrite some of the costs of becoming a SARTECH II evaluator at future CSRB SAR Academy and SAR Conferences. Evaluators will have to conform to NASAR requirements for as well as be willing to commit time to SAR Conferences and SAR Academies to help CSRB present evaluations at these events. What a fantastic opportunity to support your own team and others around the state! Please contact me for more information. People who have contacted me already should contact me again and I will update them with the NASAR requirements and see if we can put together a proposal to have SARTEC evaluations at the next SAR academy.

The CSRB Training Cadre has been challenged with the meetings on the road to complete the class presentations. Meetings will continue for a while to update

presentations with current information, Colorado relevant information and to correct obvious errors. This will help the team update the slides with the new MLSO Text book delivered last October. If you a CSRB instructor, you are welcome to attend or send in comments for updating the presentations.

The CSRB training team will also sponsor instructors for NASAR's Plan Section Chief and Incident Command classes. Again, the May NASAR conference will be the best possible opportunity to attend the instructor's workshop. Applicants must meet NASAR's requirements; and commit to occasionally teaching for CSRB for three years in exchange for CSRB sponsoring the candidate through the workshop and apprenticeship.

The training team is looking for additional instructors and lead instructors. Every team has excellent instructors, and you know who your colleagues are. **Please contact me to suggest teammates, or yourself!** When your team needs help on a mission, isn't it great to know that the people responding are well-trained – because you helped train them? Those are the people that you want responding if you are ever in trouble yourself!

Feel free to make suggestions on how CSRB can assist SAR teams with training.

Leonard Ginther

l.l.ginther@att.net



National Association for Search and Rescue
www.nasar.org

June 3, 2008

For immediate release

For further information:

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Pagosa Springs search and rescue volunteer receives award from national association

Ian Vowles, a member of Pagosa Springs' *Mounted Rescue* search and rescue team, was recently awarded the National Association for Search and Rescue's *State SAR Award for Colorado*, at the association's annual conference, in Colorado Springs. The award recognizes a person or organization that has had the most significant affect upon search and rescue in Colorado.

During the last three years, no one in Colorado has had a more important and substantial affect upon statewide SAR preparedness. Mr. Vowles has been the coordinator and driving force behind the *Colorado Search and Rescue Conference* and *Colorado Search and Rescue Management and Leadership Academy* since 2005.

Mr. Vowles' dedication to Colorado's SAR Conference and SAR Leadership and Management Academy has significantly improved the "SAR system" of Colorado and its many teams' ability to quickly, and better, help the victims they serve. Evidence of this is seen in several ways:

SAR teams with no, to little, interaction with other teams now attend the annual events and are exposed to "a world of which they were not aware."

SAR teams that previously needed to call for mutual-aid assistance within the first day of a mission are now able to manage incidents for longer, needing assistance only after days of managing the incident by them self.

SAR professionals from visiting states have taken their training home and begun to establish statewide SAR protocols, and have established sound working relationships with emergency managers, sheriffs and others at the state level.

The two alternating annual SAR training events have grown 15% in attendance each year and 60% in number of courses offered.

The events now regularly attract national caliber faculty, presenting leading-edge topics of the profession.

Vowles brought to Colorado's SAR community substantial, valuable, business management experience as well as energetic enthusiasm. He developed, from scratch, the *Colorado SAR Management and Leadership Academy* to present stand-alone, recognized, SAR and emergency services courses as well as non-traditional training in volunteer management, team leadership, legal and fundraising topics.

As in most states, the state SAR conference and like events are produced by non-paid SAR professionals volunteering their time. As interest and available time waxes and wanes over the years, so too can the quality, even the existence, of a state SAR conference. At a very late date in 2005, the Colorado Search and Rescue Board determined it was unable to produce its traditional state SAR conference and cancelled it. Mr. Vowles stood right up and offered to completely take on the coordination and production of a replacement event, the "*Colorado SAR Management and Leadership Academy*," within but a few months time. He then presented a plan in which the Academy would alternate years with a traditional state SAR conference - "SARCON" - offering the usual large variety of courses and topics across the spectrum of SAR training.

The National Association for Search and Rescue is the nations' largest search and rescue organization. It's membership comprises more than 10,000 non-paid professionals and paid professionals in land SAR, technical rescue, mounted (horse) SAR, K-9 SAR, water and urban SAR specialties. Colorado has nearly 700 members.



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

<u>Upcoming Calendar of Events</u>			Remember to attend SARCON at WSC in Gunnison July 18-20! A Must-Attend Event!!!
CSRB SARCON	07/18-20	WSC Gunnison	
JHPTS Tracking Class	7/25-27	Ouray, CO	
CSRB Meeting	9/6/08	Grand Junction, CO	
JHPTS Tracking Class	9/5-7/08	Ft. Collins, CO	

Remember to send newsletter articles to: "n0vsx@msn.com". Mail to: Dan Remsburg, 1978 High Chateau Rd., Florissant, CO 80816. Do you have a great SAR photo? Any photos submitted can be scanned and returned.