

# Serving the Colorado SAR Community Since 1966



## August—September 2013 Issue

[www.coloradosarboard.org/](http://www.coloradosarboard.org/)

### September CSRB General Meeting

Rocky Mountain National Park (Estes Park side) has offered to host the September meeting of the Colorado Search and Rescue Board - Saturday September 7, 2013 - 1200 hours (noon) - the meeting will be held at McLaren Hall on the Estes Park side of the park.

Directions to the meeting area - from the intersection of US Highway 36 and State Highway 66 - continue on US 36 to Mills Drive. Proceed approximately 1 mile to the entrance of the utility area. McLaren Hall will be on your left.

The meeting will begin at noon - Saturday, September 7, 2013 (the weekend after Labor Day Weekend).

Our host will be Rich Browne, Park Ranger and Emergency Services Coordinator for Rocky Mountain National Park.

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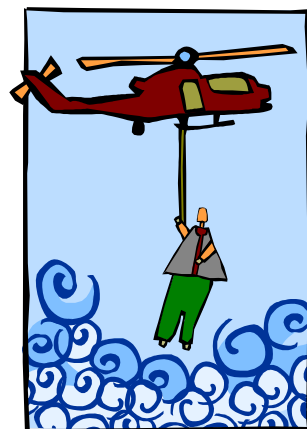
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### Natural Disasters and SAR

From raging wildfires to rampaging floods (often as a result of the fires), SAR teams can be and often are called to assist in these natural disasters. In the central part of the state, the Waldo Canyon fire of last year is causing a lot of problems with the recent moisture that seems to be dropping just about every day in the burn scar. This has caused massive flooding in Ute Pass and Manitou Springs. Homes and businesses have been destroyed and deaths confirmed. The pass has been repeatedly closed because of landslides.

The question is—provided these services are in your mission statement, is your team ready for incidents like this? Do you have contingency plans in case your route to a rescue is blocked? Is your team trained and/or equipped to handle a search in a flood area? This is a tremendously dirty job and can be rife with dangers. Are your tetanus shots up to date? Lightweight hiking boots and sneakers are not recommended for searches in the debris as there are too many sharp objects that can puncture from sharp objects. Safety is paramount to ensure searchers do not become subjects in the water, mud, and debris.

Something to consider for your SAR team training.



# Watch for Flash Floods!

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# News, Notes, and other things...

## Colorado SAR Fund - new deadlines for receipt submission.

The Colorado Search and Rescue Fund (through DOLA, the project manager) has dispersed this year's funding to the county sheriffs.

Something to watch, however, is a new date to submit your receipts for this years expenditure's. They now will be required to be sent in at the same time of next years grant requests - April 1 - not June 30<sup>th</sup>. Those failing to meet the new requirements will be ineligible for next year's grants. That is a loss of 90 days in the previous submission requirements.

In my conversations with Glory Ortega, the program manager of the Colorado Search and Rescue Fund of the Department of Local Affairs, "showing intent to spend, including pre-registration and early booking of transportation should be sufficient."

If that presents a problem with your spending of these funds, let us know and the staff of DOLA.

- Bruce Fosdick, CSRB President



Final call for cadaver certification in Leadville, CO. Sept 20-23rd. Please see web link attached for more information and registration. Registration deadline is August 5th.

<http://www.napwda.com/2013-napwda-co-state-fall-workshop-september-20-23-2013>

Bonnie Guzman  
[www.FindTheLost.org](http://www.FindTheLost.org)

### LAW ENFORCEMENT RESPONSE TO CHILD ABDUCTIONS

#### *Organizing and Evaluating Best Management Practices in a Multi-agency Response*

A day of training led by two speakers who have provided their services and expertise in some of the most comprehensive searches in the country.

**DATE: Wednesday, October 9, 2013, 0900 - 1630**

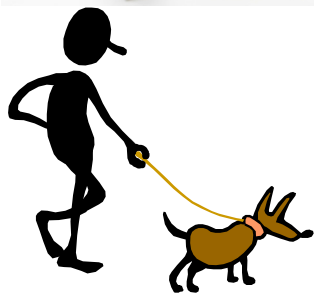
**LOCATION: Lakewood Police Department, 445 S. Allison Parkway**

**COST: \$50**

**Brad Dennis:** National Search Director for Klaas Kids Foundation

**Jeff Schettler:** Expert in K9 tactical tracking. Retired Law Enforcement Officer.

<http://www.findthelost.org/seminars.html>



**Your  
2013  
CSRB  
Directors**

Bruce	Fosdick	President/D
George	Janson	VP/D/MC
Dan	Remsburg	Sec/D/Newsletter
Mike	McDonald	Treas/D
Leonard	Ginther	D
Lanny	Grant	D
Dave	Hake	D
Mark	Rowland	D
Paul (Woody)	Woodward	D
Barry	Mitchell	D/State Coords
Mike	Smith	D
Kim	Veitch	D

**CSRB Meeting Minutes**  
**General Meeting – 07 July 2013**  
**El Paso Search and Rescue**  
**Colorado Springs, CO**

Meeting Opened at 1217 hrs.

**Introductions**

Thanks to El Paso Search and Rescue for hosting the meeting. Bruce Fosdick discussed the award presented to the Guard.

**Secretary Minutes**

No changes recommended to the May minutes.

**Resources and State Coordinators**

Problem of county SAR coordinators calling for AFRCC resources without going through the SO. HIGHLY recommend they go through the SO to CSRB. Having been fielding calls about the Udall mission in WY. Money is very tight for helos and fuel. Fires are cutting heavily into the budget. Be aware of this when requesting air resources.

**Standards**

ASTM – Lee Lang is writing the ASTM SAR standards CO Resource Mobilization WG – last year’s plan is finished CO IMT Credentialing Committee – A handful of folks have applied. Many are rejected due to no documentation.

**Legislation Updates**

Howard Paul – SAR is included in the EMT legislation.

**CSRB Increased Awareness Program**

Dan Remsburg has agreed to start doing the newsletter again. He will do the electronic format and Bruce Fosdick will deal with distribution of the paper copies. The membership database was passed around for review.

**Operation Vigilant Guard**

CSRB is not involved. EPCSAR is involved locally on the AFA.

**Training Report**

Leonard Ginther – MLSO – Rifle in Sept. Maybe combine with Aspen. Still in planning. Alpine may join with them. Archuleta is interested. Leonard to get in touch with them. Barry Mitchell discussed the Speakers Bureau. Paul Woodward took his Powerpoint slides to Custer to train folks.

**Organizational Reports**

NASAR – Next year should be a joint conference with MRA. Upper NJ? Howard Paul is discussing the idea of a NASAR/MRA/CSRB conference in 2015. Possible colleges? Want a less expensive venue. Drop in NASAR fees discussed. Certifications through NASAR will have a shelf life and will need to be refreshed. Working on details. SARDOC – Have a 3 yr recert interval. Senior dogs every year. Now have 20 dogs. SARDUS – Credentials have been submitted and Workers Comp has been obtained. Not the primary unit in Boulder

County.

Trackers – RMT – Ft. Collins class in September. Monthly practice in Larimer County and bi-monthly trainings/practice in Teller County.

**SARCON**

Had to be cancelled due to the lack of participation. Where do we go from here? Need ideas.

**SAR Fund**

Bruce Fosdick – About \$598k requested but only about \$208k available. Units need to submit charges for uncompensated searches. Average award amount is \$7k-9k.

**Communications**

Info printed in the newsletter.

**CSRB Long Range Plan**

Plan on a Director’s meeting the end of September Mark Rowland will head a Task Force on SARCON/SARMA.

Dan Remsburg obtained a Polycom analog conference phone for CSRB.

**Other Business**

Paul “Woody” Woodward travelled to Custer SAR. They have had a large turnover of personnel. The Sheriff released the team captain and other went with him. They have no mission managers left. When CSRB is called for assistance, we need to ensure we can deploy overhead personnel for them.

CAP is doing a fire patrol in Douglas County. Also watching for flooding.

**Mission Reports/Lessons Learned**

Summit – SPOT activation. Took 6-7 hours to locate and get out. Makes a big difference on who activates which button.

El Paso – the usual getting folks down off the Incline and Barr Trail.

Alpine – 40 for year. Out last night. Cell phone cords were way off on the first request. Had it done again and was ¼ mi from subject.

Larimer – lots of standdowns.

Douglas – Their frequent flier family has moved to AZ, so no more calls on them. Had a big mess on Devil’s Head. Guard called for a Blackhawk. Tried to land at Swedish Memorial.

Had a discussion on how best to get cell phone locations.

AFRCC has set up a crack group for doing this called Cell Phone Forensics.

Meeting adjourned at 1419.

Respectfully Submitted

Dan Remsburg  
CSRB Secretary

Next Meeting: Saturday, September 7<sup>th</sup> in Estes Park.



### **CSRБ Offers Short Classes Suitable for Evening Training Sessions**

CSRБ is pleased to announce some training offerings suitable for 1-3 hr evening SAR team training sessions. These short classes have been developed by the authors for presentations to sheriffs, state SAR conferences, and local teams, and they are considered to have a certain amount of “universal appeal”, meaning that they may be useful to share with a wider audience.

We call these classes collectively “Speaker’s Bureau classes”, and we would like to encourage all SAR teams and individuals to share some of their favorite trainings with other teams using this media.

Here’s how we think this might work.

-Teams wishing to host one or more of these classes simply contact the author and/or presenter(s) directly by phone or email to arrange for a class. Hopefully, teams will offer to pay any presenter expenses, but that may not always be required.

-Presenters are expected to provide a professional POWERPOINT presentation and to provide handouts to class attendees.

-Anyone wishing to be added to the Speaker’s Bureau list and offer a class should submit a brief summary in the format below.

#### **Classes Proposed so far:**

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**Title:** **Wilderness SAR Responsibilities, SAR Management, and Resources/Capabilities**

**Instructor:** Barry Mitchell, Douglas County SAR  
State SAR Coordinator

**Contact Info:** Phone: 303-841-6510  
Email: NOKV@earthlink.net (2<sup>nd</sup> char is number zero)

**Duration:** 1.0 – 2.0 hrs

**Summary:** This class provides a high level perspective of state and county wilderness SAR responsibilities, ground SAR management, and ground SAR resources used in Colorado, and has been given to Sheriffs and deputy sheriffs at their training academies and to Colorado Office of Emergency Management personnel over the past few years. Sheriff’s responsibilities for ground SAR are explained. The SAR responsibilities outlined in the memorandums of agreements between (1) Colorado and the Air Force Rescue Coordination Center (AFRCC), and (2) the Colorado Office of Emergency Management and the Colorado Search and Rescue Board are presented. Commonly accepted ground SAR management practices are summarized. If time permits, SAR resource types and generic qualifications for those resources are discussed. If the resource discussion is included, 2 hrs should be allocated.

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**Title:** **Search Strategy and Tactics for Field Personnel**

**Instructor:** Barry Mitchell, Douglas County SAR  
State SAR Coordinator

**Contact Info:** Phone: 303-841-6510  
Email: NOKV@earthlink.net (2<sup>nd</sup> char is number zero)

**Duration:** 1.5 hrs

**Summary:** This class is intended for individuals not generally familiar with basic lost person search strategy & tactics or for individuals desiring a review of those fundamentals. The class provides an overview of the methods commonly accepted and used in Colorado by ground searchers for searching for lost persons from the field search team member’s perspective. It briefly summarizes overhead personnel responsibilities and then discusses several types of field search tactics (confinement, attraction, hasty search, canine search, tracking) in some detail. Strategies and the order of applying these resources are discussed. Some guidelines for skillful searching are presented. Field team briefing and debriefing expectations are discussed.

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**Title:** **VHF and 800 MHz Search & Rescue Communications Fundamentals**

**Instructor:** Barry Mitchell, Douglas County SAR  
Senior State SAR Coordinator, 303-841-6510

**Duration:** 1.0 Hr

**Contact Info:** Phone: 303-841-6510  
Email: NOKV@earthlink.net (2<sup>nd</sup> char is number zero)

**Summary:** The class is a beginner level introduction to the VHF conventional and 800 MHz digital trunked and conventional radio communications used in ground search and rescue. The advantages and disadvantages of each type of communications are reviewed. Propagation fundamentals are briefly discussed. The basics of simplex, conventional analog repeater, and trunked repeater operation are reviewed. Includes hands-on radio familiarization and use. Commonly used SAR frequencies and 800 MHz talk groups and their uses are discussed. Local channelization plans for VHF and 800 MHz SAR radios can be reviewed, and recommendations can be made, if desired. Hands-on familiarization with specific radios can be included, if needed.

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**Title:** Use of ATVs in Ground Search and Rescue Operations  
**Instructor:** Barry Mitchell, Douglas County SAR  
Senior State SAR Coordinator, 303-841-6510  
**Duration:** 2.5 Hrs  
**Contact Info:** Phone: 303-841-6510  
**Email:** N0KV@earthlink.net (2<sup>nd</sup> char is number zero)  
**Summary:** The class is an introduction to the use of All Terrain Vehicles (ATV's) in ground search and rescue operations. Rider search skills and ATV driving skills, personal safety requirements, and unique ATV SAR equipment are reviewed. Effective search techniques using ATV's are discussed.

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**Title:** An Overview of Locator Beacons and Beacon Tracking Methods  
**Instructor(s):** George Janson, Larimer County SAR: 970-482-2618, georgej@uvb.nrel.colostate.edu  
and Civil Air Patrol  
Leonard Ginther, Civil Air Patrol: 303-426-4955, l.l.ginther@att.net  
Barry Mitchell, Douglas County SAR: 303-841-6510, N0KV@earthlink.net  
**Duration:** 2.5 Hrs (without case histories); case histories – add 1.5 hrs  
**Contact Info:** contact any of the instructors above  
**Summary:** This class discusses the various types of locator beacons encountered in ground search and rescue (SAR): Emergency Locator Beacons (ELTs) used by aircraft, Emergency Position Indicating Radio Beacons (EPIRB's) used by boats, and three types of Personal Locator Beacons (PLB's, Spot and TracMe). A brief history of ELTs is presented followed by detailed descriptions of the monitoring/tracking systems. Case histories are also presented. The Colorado Life-track system, used to locate elderly persons and at risk children, may also be discussed.

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**Title: Introduction To Tracking**  
**Instructor:** David Hake, Larimer County SAR and Rocky Mountain Trackers and various others within Rocky Mountain Trackers (RMT)  
**Contact Info:** Phone 970-691-1839  
**Email:** davidhake79@gmail.com  
**Duration:** 2 hours classroom with options of a short 3-4 hour field for a weekend class.  
**Summary:** Learn how tracking can focus search efforts to minimize time and resources. Help you recognize the tracks your eyes already see. How a tracking team operates. What RMT can provide for your search efforts. How your members can become trackers and help grow the family of trackers around the state.

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**Title: Introduction to Snow Tracking**  
**Instructor:** David Hake and Doug Grimm, Larimer County SAR and Rocky Mountain Trackers and various others within Rocky Mountain Trackers (RMT)  
**Contact Info:** Phone 970-691-1839  
**Email:** davidhake79@gmail.com  
**Duration:** 2 hours classroom  
**Summary:** Tracking in snow is easy, but what if the tracks get covered up with new or wind blown snow? Can you still find and follow them? Can you get detailed information about them to prove they're your subjects? Can you determine the direction of travel for ski tracks that you come across?. How old are the tracks? You will learn all this and more to help with winter searches within your area.

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**Title: Improving Wilderness Search & Rescue Effectiveness with Geospatial Technologies**  
**Instructor:** Loren Pfau, Alpine Rescue Team  
**Contact Info:** Phone: 720-244-4365  
**Email:** lorenpfau@gmail.com  
**Duration:** 1.0 – 2.0 hours dependent upon topics of interest to the particular audience  
**Summary:** In the recent past geospatial data available to wilderness SAR teams conducting searches were limited to physical clues and RP knowledge of the missing subject's plans. But now teams have access to an ever-increasing types and volumes of electronic geospatial information that have the potential to improve the results of back-country search operations. These include information from sources such as e911, SPOT, InReach and emerging sources such as geotagged photos and social media. The challenges facing SAR teams lie in understanding what information is available; how it may be accessed and managed; relative strengths and weaknesses; how it may be used in a time-sensitive situation; and how to use this information for post-event analysis and training. This session will discuss new sources of geospatial information that may be encountered and used in the context of wilderness SAR missions, explain how the information may be accessed, and provide guidance on how to integrate these new information sources into mission management and training processes.



P.O. Box 631452  
Highlands Ranch, CO 80163

**Upcoming Calendar of Events**

September CSRB Meeting	9/7	Estes Park, CO
JHPTS Class	9/6-8	Ft. Collins, CO
November CSRB Meeting	11/2	TBD

**Remember to attend the upcoming CSRB meetings being hosted across the state!**

**It is a great opportunity to get out and meet fellow SAR folks!**

*Remember to send newsletter articles to: "n0vsx@ccvnet.net". 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. Of course, digital photos will work best.*