



## CSRB Offers Short Classes Suitable for Evening Training Sessions

CSRB 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: [N0KV@earthlink.net](mailto:N0KV@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: [N0KV@earthlink.net](mailto:N0KV@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: [N0KV@earthlink.net](mailto:N0KV@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 ATV's 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](mailto: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](mailto:georgej@uvb.nrel.colostate.edu)  
and Civil Air Patrol  
Leonard Ginther, Civil Air Patrol: 303-426-4955, [l.l.ginther@att.net](mailto:l.l.ginther@att.net)  
Barry Mitchell, Douglas County SAR: 303-841-6510, [N0KV@earthlink.net](mailto: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 Lifetrack system, used to locate elderly persons and at risk children, may also be discussed.

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