



Cave Rescue Operations & Management Seminar Modular Level I

presented by the

**NATIONAL CAVE RESCUE COMMISSION
of the National Speleological Society**

**July 16-17, July 28-31, August 13-14, 2011
San Bernardino County, California**

About the Seminar

This seminar consists of extensive classroom and fieldwork in all phases of cave rescue including underground environment, vertical rescue, hauling systems, extrication techniques, medical management, communication systems, and the organization and management of cave rescue operations. Basic and advanced course material is presented for students who typically include cavers, emergency services personnel, and emergency managers. The seminar provides approximately 100 hours of instruction over eight days. Its classes are physically strenuous and participants must be in good physical health. Students should be prepared to work in difficult situations, both above and below ground. Each student must demonstrate his or her ability to ascend (on rope) 25 meters, change over, and rappel part way down, tie off a descender, correct a jammed descender, then rappel safely to the ground as part of the initial check-in skills. Participants must review and sign a liability waiver at check-in registration. Persons under the age of 18 *may* be permitted to participate in the course but must contact the registrar prior to registration concerning specific rules and restrictions.



Modular Level I

The modular format of this seminar breaks up our traditional Level I week-long into three distinct weekends. This seminar teaches current cave rescue and emergency management techniques, and provides instruction in caving, basic rope work, litter rigging and transport, and incident command systems. It is specifically designed to meet the various needs of agency personnel with little or no cave-related experience, and cavers with little or no rescue or medical experience. Level I prepares the student to function as a cave rescue team member.

Hosted by the San Bernardino County Sheriff's Cave & Technical Rescue Team

The Sheriff's Cave Rescue Team in San Bernardino County is the only formally organized, trained and equipped team dedicated to cave rescue in the State of California. Formed in 1988 as a specialized response team for Mitchell Caverns State Park, they originally operated out of the Sheriff's Colorado River Station in Needles, California. In 1993, the team relocated to the Sheriff's Morongo Basin Station and moved again in 1995 to the Volunteer Forces Unit at the department's headquarters in San Bernardino, California. In 2008, they become a recognized member of the Mountain Rescue Association. The team is composed of unpaid professional rescuers who serve under the authority of the San Bernardino County Sheriff.

Registration Parameters

Students **MUST** attend each weekend in order to pass this seminar. Registration for this seminar is now open to all agencies, SAR organizations and active cave explorers. Registrations will be processed in the order received based on postmark. A waitlist will be established after the seminar is filled to assign, as possible, any openings that become available. A late penalty applies for registrations received after July 8. Additional information is available on the seminar web site at;

www.caves.org/committee/ncrc-wr or at

www.caverescue.net



Personal Equipment Requirements

All personal equipment must be in safe, usable condition and marked to identify the owner. Equipment deemed unsafe or unacceptable during check-in must be replaced prior to the student's continued participation in the course.

CLIMBING HELMET

UIAA or CE approved mountaineering style helmet with a three or four point suspension and a quick-release, non-elastic chinstrap.

THREE SOURCES OF LIGHT

All must be capable of allowing you to exit the cave. At least two should be electric and two should be helmet-mountable.

BOOTS

Sturdy, rubber soled

RUGGED CLOTHING (see clothing note below)

SIX LOCKING CARABINERS

These must be independent of your ascending or descending systems

DESCENT DEVICE

Any of the following four devices are acceptable:

1. A standard rack
2. A three-bar Micro rack with a hyper-bar (4 bars total)
3. A Bobbin-type descender with off-set or safety carabiner
4. A "Rescue Eight" with ears

SEWN SEAT HARNESS

ASCENDING SYSTEM

Must be a complete working system with at least two points of gripping attachment above user's center of gravity

1. An additional mechanical ascender or prusik must be available for crossing knots, etc.
2. One of the system's mechanical ascenders must be functional as a Quick Attachment Safety (QAS)
3. Frog system users must incorporate a cow's tail

GLOVES

Must have leather palms and full fingers

WATER BOTTLES

Two quarts recommended

SMALL, PERSONAL FIRST AID KIT

Optional, but recommended

SMALL, HEAVY-DUTY PACK

Used to carry personal gear around underground

2 – 20 FT PIECES OF 1-INCH TUBULAR WEBBING

Travel Directions

Instruction for weekend one will be completed at the San Bernardino Mountain Search and Rescue station located at 3250 Harrison Street, San Bernardino, CA 92404. A renovated fire station, this facility provides classroom space and locations where vertical rope skills can be honed. Camping is possible on site in your own tent, or inside the facility with a sleeping bag and pad. Successive weekend locations will be announced in class in addition to being posted on www.caverescue.net. Classes will start promptly at 8 AM. Please arrive 30 minutes early on the first day for registration. Plan your travel accordingly.

Meal Plan

A comprehensive meal plan is included with the seminar registration. It includes 16 meals over weekends 2 and 3 (3 meals per day). Weekend 1 only includes continental breakfasts, so plan on eating locally or bring your own food. Full meals will be provided on weekends 2 and 3. Spouses and/or other traveling companions may purchase the meal plan separately. If you have special dietary needs (vegetarian, diabetic, etc.) please note these on your registration form.

Accommodations & Lodging

Camping at the seminar location is included in the seminar registration fee. Camping for accompanying nonstudents is available at a modest fee. Bathrooms will be available, but no showers. Persons who prefer a motel may make their own arrangements, however, off-site accommodations are not encouraged. No RV hookups are available at the camp site.

Environment, Area, Caves & Clothing

Summer temperatures in San Bernardino County range from 90° daytime highs to 40° evening lows. Extreme temperatures may be possible at this time of year. Cave environments can be extremely muddy and wet in places with a wide range of temperatures. Elevations can be as high as 7,000 feet in some training locations. Be prepared to hike to caves for some exercises. Poison oak, ticks, snakes, and mosquitoes may be encountered. Long pants, short sleeve shirts, hats, sunscreen, sturdy boots, and plenty of water are recommended for comfort and safety during outdoor activities. Rugged multi-layered clothing (caving coveralls or caving pants), kneepads, sturdy boots, and leather gloves are recommended. Cell phone service is questionable on weekends 2 and 3.

Seminar Contacts

Registration: Sonny Lawrence, 306 Bellevue Ave., Redlands, CA 92373 (951) 315-5449 caverescue@sbsar.org
Site Coordinator: Jeff Lehman, 4755 Maple Ave., La Mesa, CA 91941 (619) 573-6748 caverescue@sbsar.org

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Please type or print legibly - Use one form per person - Detach and mail with registration payment
All participants must review and sign a liability waiver at check-in registration.

Name: _____ Natl. Speleological Society #: _____

Address: _____ Age: _____

City: _____ State: _____ Zip: _____ E-mail: _____

Day phone: _(_____) _____ Evening phone: _(_____) _____ Mobile/pager: _(_____) _____

Agency or Grotto Affiliation: _____ How long? _____

Dietary or health considerations: _____

Emergency contact: _____

Registration package: Student Non-student accompanier

Please mail registration form and your check or money order to:
San Bernardino Cave Rescue Team
306 Bellevue Avenue
Redlands, CA 92373
(951) 315-5449

Students under the age of 18 **must** contact the registrar prior to entry.

Student Registration - includes meals and camping:	\$316.00	
Non-NSS fee - required for non NSS members:	\$34.00	
Non-student accompanier - includes meals and camping:	\$250.00	
Late registration - after July 8:	\$25.00	
TOTAL ENCLOSED:		

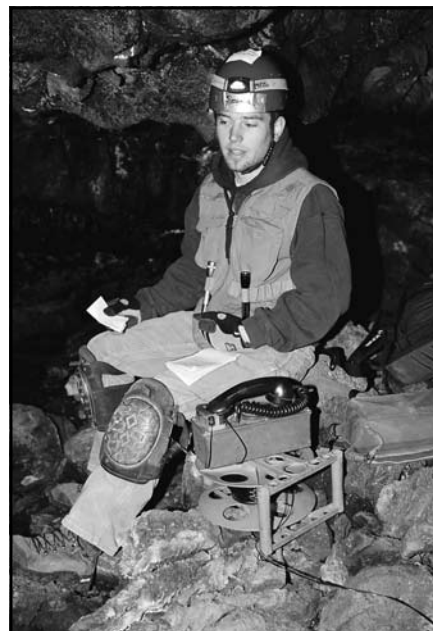
Cancellation Policy: This seminar is expected to be filled to capacity. There will be no cancellation penalty until July 8. After that date, there will be a \$50 processing fee and the remainder of your registration fee will be refunded. No refunds will be given after July 16.

Availability: There are 18 student spaces available in this seminar. Registration is open to all government agencies, county and regional SAR organizations and active cave exploration groups. All interested participants are encouraged to register early. A late penalty applies for registrations received after July 8.

Waitlist: Once filled, the seminar registrar will create a waitlist for students should spaces become available. Registrations will be processed in order received based upon postmark. If a waitlist student is advised that space is available, they will have 2 weeks to submit the registration fee prior to losing their space in line.

Confirmation: When your registration is received and processed, you will be notified by e-mail or postal mail.

Registrar:
Date Recd: _____
Confirmed: _____
Cancelled: _____
In-Region: _____





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Western Region
National Cave Rescue Commission
1455 N. Echo Avenue
Fresno, CA 93728