

**Sheriff's Barstow  
Desert Rescue Squad  
presents:**

***39th Annual***



***SAR City***

**SAR CITY, USA 2011**



**THERE IS TO BE**

**NO**

**FOOD OR DRINKS  
IN**

**ANY CLASSROOM**

**PLEASE...**

**CHECK THE MESSAGE**

**AND CHANGES /**

**DELETIONS BOARDS**

**NEAR REGISTRATION**

**OFTEN DURING THE DAY**

**FOR MESSAGES AND**

**CLASS UPDATES**

## **SCHEDULE**

This program includes information you will need to organize your time at SAR City so that you will have a productive, interesting experience. Please take a moment to review this material. Inside you will find an outline showing each course offering and event, as well as detailed text descriptions of each course. Also Included is information about your instructors, vendors, and the organizing committee. As you plan your schedule, please be sure to attend the general sessions and meals, as changes and announcements are often made during these periods.

## **CRITIQUES**

We want each year's SAR City to be better than the last. As such, there are three ways for you to give your opinions and comments to us. First, there are written critiques. In each class you will be given a **One Minute Critique**. Please fill this out immediately and return it to the instructor. It applies to that particular course only. Attached to the back of this program is an **Overall Critique** form. This is designed for comments about the planning, logistics, and instruction at SAR City. Please turn this in to the Command Post, the Registration area in front of the gym, or to any SAR City staff member. Lastly, you may write the members of the SAR City Organizing Committee or to the executives of the organizations involved in sponsoring SAR City, at Barstow Desert Rescue Squad, P.O. Box 108, Barstow, CA 92311.

## **PROBLEMS**

If you have any questions, concerns, or problems, please stop by Registration, in front of the gym.

## **INJURIES**

Real world medical problems, injuries, etc. should be reported to Registration or to a staff member immediately. One or more EMT's will be on duty at all times.

## **SECURITY**

San Bernardino County Sheriff personnel will be on hand to maintain security each evening. Please cooperate with them as they work to make this year's event as safe as those in years past.

## **SAFETY**

Some of the instruction is "hands-on" in situations involving some degree of hazard. You are encouraged to pay attention to all safety rules and to wear protective gear at all times when appropriate. Likewise, when in the helicopter landing area, follow safety practices commonly associated with air operations. Staff in this area will supervise all landings and takeoffs.

## **CONTACTS / MESSAGES**

Incoming calls for important messages should be made to the San Bernardino County Sheriff's Department, Barstow Station at (760) 256-4838 or, **for emergency use only**, call the Command Post at (760) 403-3614. Messages will be posted on the bulletin board in front of registration, so check frequently during each day. Outgoing calls may be made from pay telephones located on the patio of the dining area.

## **CONDUCT**

In order to ensure an environment conducive to learning, we ask that your conduct remain professional at all times. You represent not only yourself, but your organization and the SAR Community as well.

Specific Barstow College Rules:

No smoking, food, or drinks in any building at any time.

No vehicles on any grass surface.

Camping allowed on the soccer field only.

No alcohol on college grounds at any time.

No firearms on college grounds at any time.

## **ATTIRE**

Uniforms may be worn to classes and other instructional events. They should not be worn at times when the wearer's conduct might be inappropriate for one in an official uniform.

## **FACILITY**

We are the guests of Barstow Community College. Please respect the property, grounds, and equipment here. Camp sites should be cleaned thoroughly prior to being vacated. Classrooms must remain clean, and all students are responsible for their own trash.

## **SAR CITY MEAL SERVICE**

Meals will be provided by the San Bernardino County Culinary Facility. In reviewing the menu, SAR City attendees are assured meals that will be both tasty and healthy. Note that you will need your meal tickets for all meals. They will be served in the area of the Norman Smith Center. Meals included in your registration are Saturday Breakfast, Lunch, Dinner, and Breakfast on Sunday. If you have special dietary requirements, please contact the Command Post in front of the gym for assistance.

# Reminders:

No Eating, Drinking, or Smoking in  
Classrooms

No Alcohol on Campus

No Firearms Allowed on Campus

No Vehicles Allowed on any Grass Area

Tent Camping Only in Designated Area

No Parking in South Parking Lot Area  
***Helicopter LZ !***

# **THE SHERIFF'S BARSTOW DESERT RESCUE SQUAD**

PRESENTS ON SATURDAY NIGHT:

## **Carrie Mcgonigle**

Amber Dubois' mother, Carrie Mcgonigle, will be this year's Guest Speaker for the 39th Annual SAR City. This speaking will take place on October 8, 2011 at 7 p.m. at the Barstow Community College Gymnasium.

On February 13, 2009 as Carrie kissed her 14 year old daughter, Amber, goodbye and told her that she loved her, Carrie did not realize it would be the last time she would ever see her Amber alive again. 13 agonizing months went by and still no Amber. Hundreds of hours and hundreds of volunteers joined the search in the San Diego Area hoping to find Amber.

On February 25, 2010 Chelsea King's disappearance summoned those hundreds of volunteers back to the San Diego area, another young girl missing. As Carrie joined the search, she knew all too well another mother would be facing those all too familiar emotions.

In March of 2010 Carrie would find the one eerie thing these two beautiful girls had in common, their killer.

Fast forward to May 27, 2011 when the call for searchers goes out for Michelle Le, a missing nursing student. Carrie and her yellow Lab, affectionately named Amber, answered the call. Carrie describes how the finding of Le's remains flooded her with emotions.

**Program starts at 1900 in the gym and will be followed immediately by the raffle. Please come join us.**

# Classes

## **\*Forensics for SAR I**

Instructor: Andy Avery

Duration: 1 Hours

Forensics for SAR 1 is for the SAR team member who wants to be able to identify types of deaths, injuries, and how to proceed with your local law enforcement as the in field expert.

## **\*Forensics for SAR II**

Instructor: Andy Avery

Duration: 2 Hours

Forensics for SAR 2 is a hands on course where the student finds decedents and must identify if the death was on natural, suicide, or homicide.

## **\*Helicopter: the flying Cuisinart**

Instructor: Wes Podboy

Duration: 2 Hours

What you are going to learn: I teach more than hand signals. You need to understand how and why helicopters fly. You also need to know what affects operations and what Limitations they have and most importantly you need to have "Good Helicopter Sense".

## **\*High Altitude Physiology**

Instructor: Dr. Debbie Bervel

Duration: 2 Hours

This class is geared towards the EMT, Paramedic and other Health Care providers. It will examine High Altitude Physiology with particular attention towards High Altitude Illness dealing with cause and effects. Diagnosis, treatment and patient care as well as appropriate medication intervention will be discussed. \*ICEMA CE's will be given for those that need them. Please bring your certification and/or license to class\*

## **\*Introducing AEMT for SAR**

Instructor: Wes Podboy, Marie Podboy, Debbie Bervel

Duration: 2 Hours

This class explores the origin and the function of the Advanced Emergency Medical Technician as it applies to Search and Rescue.

Covered in the class will be the state regulations and requirements as well as advanced medical skills. Permitted under this new state certification.

In addition local protocols will be presented and explained as well .

## **\*Rattlesnake Awareness**

Instructor: Josh Richling

Duration: 2 Hours

This class teaches how to identify the rattlesnakes of the area. You will learn how and why they bite, tips to avoid being bitten, signs and symptoms of envenomation, the treatment of rattlesnake bites, and MUCH, MUCH, MORE.

## **\*SAM Splint**

Instructor: Ed Bronowicki

Duration: 2 Hours

"How many different ways can you use a SAM Splint?" Did you know that there are several different sizes of this most ingenious stabilization device? Most rescuers feel fairly well versed in the use of splints, and perhaps rightfully so. This course will take you from beginning to end on the applications and uses of the venerable SAM Splint. How can we fill an hour and a half with this device? Come and see.

## **\*Shock**

Instructor: Ross Kocen

Duration: 1 Hours

This course discusses the types of shock, assessment and treatment of Shock. We will define anatomy and physiology of shock, exploring why the body reacts to shock.

## **A Fresh Look at Drives for K9**

Instructor: Lou Castle

Duration: 2 Hours

## **Abandon Mine Hazards and Rescue**

Instructor: Chuck Christman

Duration: 2 Hours

This class will cover the hazards of rescue work in an abandoned mine, as well as rescue techniques unique to this type of operation.

## **Advanced Human Remains Detection**

Instructor: Natalie Castle

Duration: 4 Hours

## **Alzheimer's... Understanding and managing the SAR incident**

Instructor: Kimberly Kelly

Duration: 2 Hours

"Far From Home: Understanding and Managing the Alzheimer's Search and Rescue Incident" was designed to fulfill a void in SAR and law enforcement knowledge about Alzheimer's disease and its effect on the afflicted subject's behavior. With your prior knowledge and the information provided in this program, you will better

understand and thus manage the search for the wandering Alzheimer's person.

## **Amateur Radio and Its Role as a Hobby and to SAR**

Instructor: Carl Gardenias, Cathy Gardenias, Bernard Falkin

Duration: 3 Hours

The course will be round table discussion utilizing Amateur Radio with Search and Rescue operations. We will discuss the fun aspect of the hobby as well as serving the community as a volunteer. What type of radio equipment, antennas, (mobile v. base station or HT), can be used in many different operations. This course will demonstrate a mobile unit in a car that is be used to talk locally, across the country, and internationally. There will also be informational handouts on radios, antennas, etc.

## **ATV Certification Course**

Instructor:

Duration: 4 Hours

This is the standard ATV training course, four hours in length. It will be offered at 0800 on Sunday morning; meet in from of the gym. Maximum of 8 students per class. Quads will be provided but students must bring helmets, gloves, goggles, long sleeve shirt and long pants, high top shoes over the ankles.

## **Automatic Position Reporting**

Instructor: Joseph Schweitzer

Duration: 2 Hours

What if you never had to call in your position to the CP again? Do you get Confused between Latitude, Longitude, Northing, Easting, Zone, Degrees, Minutes, Seconds? An Automatic Position Reporting System is the answer for you. This class will introduce how your team can communicate positions without confusion, and update the CP on your progress automatically. This class is for anyone from the first time volunteer to seasoned radio experts, team leaders and search managers. A non-technical introduction will be followed by technical information on how to get a system working and a live demonstration.

## **Basic Land Navigation - Intermediate GPS Skills**

Instructor: Sam Chan

Duration: 2 Hours

Take your medication, have a drink, or do whatever you need to do cope with your pushdabuttonphobia. This two hour class will be hands on with your GPS. No death by PowerPoint. We will push every button and go through every screen that is of use for SAR application. Every setting, screen, menu and display will be explored and an explanation on what is being shown and how to use it will be provided. You will need a GPS for the class.

## **Basic rope and knots**

Instructor: Charles Arbaut

Duration: 1 Hours

This course is a basic knot class, includes hands on with the members. (hasty

harness, fig. eight, overhand, etc.)

## **Basic Survival**

Instructor: Scott Armstrong

Duration: 2 Hours

Basic Survival is the best life insurance you can get! Survival has several important components - knowledge, material or resources, practical experiences and your attitude. Learn why some people live and and some people die, and why. learn more about the rules of life: 1 .)"Be here now" - pay attention: 2.) Keep an up to date mental model of where you are and what's happening around you. Ninety percent of people have an emotional response when put under stress and are unable to think clearly or solve simple problems. Learn how to stack the odds in your favor for survival. The handouts from this class will be a good source to start you out in advancing your survival abilities and how you can make a 72 hour survival experience a piece of cake!

## **Beginning and Intermediate Trailing**

Instructor: Bob Wells, Lori Wells

Duration: 3 Hours

Beginning Trailing Dog and Intermediate Trailing Dog will be taught simultaneously. "Ok, so you've got a dog and want to trail people with it - now what? This fun group participation class may be just what you need to jump start your career in Canine Search and Rescue!"

Beginner and Intermediate Trailing Dog is an outdoor "Hands On" class for both the student and dog. Students with dogs should bring a harness, 15'+ lead, water bowl, water and gear to keep both student and dog comfortable outdoors for the duration of the class. Students should also come to class with an idea of where they are in their training to date. After a brief orientation, the class will be split into two groups - one Beginner and the other Intermediate.

The goal of this course is to familiarize the student with specific techniques that can be employed to effectively determine a "Baseline" for where they are with their dog and then expand upon that Baseline by setting up training more clinically. Students will be challenged to assess their knowledge of how trailing dogs work and their relationship with their dog. Students will also be asked to create a plan for future training within their local training group. The instructors will work with each handler individually on short pre-set trailing scenarios as others in the class look on. The instructors for this class will be available after the class to work with handlers that have special needs. Field work.

## **Building Search**

Instructor: Lou Castle

Duration: 2 Hours

## **California SAR, the Big Picture**

Instructor: Matt Scharper

Duration: 2 Hours

Changes are coming! National, State, Local SAR - This is your chance to hear what is happening as a result of national as well as statewide efforts with SAR. Your State SAR Coordinator will present a briefing as to what is happening Nationwide and

how it WILL effect the State SAR program and you. From FEMA/NIMS resource typing, to FEMA/NIMS SAR credentialing, to California's Mutual Aid Guidelines to Legislation. Your State SAR Coordinator, your County SAR Coordinators, and your Sheriffs are very busy protecting and improving upon the State SAR program and it WILL effect you! This session will give you the details as well as give you the opportunity to share your concerns, opinions, or ideas. This is your chance to spend time with your State SAR Coordinator and view the "Big Picture" as well as have the opportunity to express your thoughts.

## **Canine Nonverbal Communication**

Instructor: Shay Cook

Duration: 2 Hours

## **Crimes Against Children**

Instructor: Roxanne Bessinger

Duration: 2 Hours

In this basic course, students will learn about the child abuse laws and mandated reporting laws. There will be a slide presentation showing various degrees and variety of child abuse and how to recognize and report it. \*\*\*\*SOME OF THE MATERIAL WILL BE OFFENSIVE AND SEXUALLY EXPLICIT; **NO ONE UNDER THE AGE OF 18 ALLOWED\*\*\*\***

## **Desert Survival**

Instructor: Scott Armstrong

Duration: 2 Hours

Learn some survival techniques for a very unique and harsh environment. When you are dumped into a survival situation, the fly of emotions, adrenaline, fear and the physical changes that happen in your body because of the fight or flight' response is like getting into a knife fight in a phone booth. Don't be caught in that phone booth unprepared. Learn about signaling, shelters, water collection, clothing and much more.

## **Dive Team**

Instructor: Bob Stine

Duration: 1 Hours

A presentation about the under water Search and Recovery team.

## **Drug Lab Awareness**

Instructor: JC Blankenship

Duration: 2 Hours

This course is primarily about clandestine meth lab awareness. An introduction to the chemicals and equipment used in the manufacturing of meth will be covered. Safety issues will include discussion for when SAR personnel come across lab dumps. A Power Point program, videos, and discussion are involved. The course is designed to give a basic understanding of the processes, chemicals and equipment involved in illicit drug manufacture. Students will learn how to identify drug labs and implement a basic safety plan in accordance with the hazards they observe. The course will consist of slide presentation, videos and lecture.

## **Effective Partnering Mounted SAR and SAR Dogs**

Instructor: Jorene Downs

Duration: 2 Hours

Effective Partnering: Mounted SAR & SAR Dogs. Mounted SAR and SAR Dogs are two resources that include use of domestic animals, and both animals have natural senses very useful for searching. Learn how the combination of the handler with dog and rider with equine can be partnered effectively in the field to take advantage of each resource's strengths. Advantageous knowledge for SAR management, SAR Dog handlers and Mounted SAR riders.

## **Evidence & Crime Scene Management**

Instructor: Remi Rundzio

Duration: 2 Hours

Class is going to cover topics relating to managing and preserving evidence found during search as well as protection of potential crime scenes discovered during the search process.

## **Field Based Leadership**

Instructor: Majid Sabetzadeh

Duration: 1 Hours

This is an introductory level lecture for SAR members who are interested on becoming involved with field based leadership. What does your boss in incident command expect from you and how do you use your resources to get the job done. Delegation of responsibilities among your team members, managing on-scene situations, dynamically changing over to backup plans B and C, instructing team member issues about tactical decisions and much more will be covered on this course.

## **First Operational Period - Do's and Don't's**

Instructor: Dave Nicolet, Mike Ward, Frank Kams

Duration: 2 Hours

This class will be designed to instruct students how to start, set up, and conduct the first few hours of a search operation. The proper use of ICS management techniques and how they are to be implemented will be discussed pertaining to the first critical hours of the first operational period. Proper Intel, documentation, sign-ins, planning, team assignments and how to determine the needed logistics for a search will be addressed.

## **GIS for SAR Overview**

Instructor: Paul Doherty

Duration: 1 Hours

## **GIS Introduction to MapSAR**

Instructor: Arnold Gaffrey

Duration: 1 Hours

This class will introduce the student to the free MapSAR tool. Designed specifically for wilderness search incidents, MapSAR will help search planners draw

search segments and assignments. It will also keep track of clues and track logs. The product of this tool is printed maps for use by field crews and in the command post.

This introduction will help you decide if this is a tool you can use.

## **GIS Learn to use MapSAR**

Instructor: Arnold Gaffrey, George Durkee, Jon Pedder

Duration: 2 Hours

The student will learn how to use the free MapSAR tool with ESRI's ArcGIS Desktop product. GIS has become the way to map emergency incidents. This class will show you how to create search segments, draw search assignments and print maps for field crews and the command post. You will also learn how to use MapSAR to track incident activities like clues, field team status, debriefing information and GPS track logs. At the conclusion of this session, students will be able to use MapSAR to help manage their next search.

## **GIS Mt. San Jacinto Search Exercise**

Instructor: Tom Patterson, Matthew Baker

Duration: 3 Hours

In this session participants will learn how GIS can be used as a decision support tool in a search and rescue operation to help decision makers determine areas where the lost person may be located. In the search scenario, a 10 year-old boy has wandered off from a camp ground and is lost.

The exercise contains the following applications:

1. Select the resources for the search and rescue operation and route those resources to the incident location.
2. Determine a suitable landing site for a helicopter; this utilizes Model Builder.
3. Check the radio reception in a 5-mile radius of the incident location to determine if there could be problems with communication between teams.
4. Model various landscape parameters such as slope, vegetation, etc., to determine the amount of time it would take the lost child to travel across the land. A Cost Distance function is used to determine the area that the child could have traveled given an elapsed time since he was last seen.
5. Calculate a viewshed from buildings to determine the area that the light from houses may be seen at night.
6. Calculate a viewshed from a point. This would give the coordinator an idea where to place a person as a lookout so that they can see a broad view of the area.
7. For the search coordinator, there is an application to create a search area layer which can be used to assign resources to an area and to maintain the search status in that area.
8. Create a map book (map series) from the search area layer.
9. Finally, view the data in 3D in ArcGlobe.

Other topics will include:

How to start a hasty search in ArcGIS Explorer and download a GPS track (Paul Doherty.)

Tips and tricks for editing (Matt Baker)

Create an ArcGIS Online User Account (Paul Doherty)

Make a SAR web map (Matt Baker)

Upload data to ArcGIS Online Group (Paul Doherty)

How to prepare a spatial briefing in ArcGIS Explorer and on ArcGIS Explorer Online (Paul Doherty)

All course materials will be provided. Come to the computer lab and learn how these techniques are used to help find lost individuals and manage search resources more efficiently.

## **GIS Tips and Tricks**

Instructor: Paul Doherty, Matthew Baker

Duration: 1 Hours

How to start a hasty search in ArcGIS Explorer and download a GPS track (Paul Doherty.)

Tips and tricks for editing (Matt Baker)

Create an ArcGIS Online User Account (Paul Doherty)

Make a SAR web map (Matt Baker)

Upload data to ArcGIS Online Group (Paul Doherty)

How to prepare a spatial briefing in ArcGIS Explorer and on ArcGIS Explorer Online (Paul Doherty)

## **HAM**

Instructor: Cliff Cheng, Mort Arditti, Joseph Schweitzer, Carl Gardenias, Cathy Gardenias

Duration: 16 Hours

[Full HAM Track Description](#)

By appointment, Fri., Oct., 7, 2011 to Sun. Oct. 9, 2011 – Radio Programming - The following ham radio operators will, if requested ahead of time, bring to SAR City their laptops with software and cables to program the following radios for you. Please make an appointment with them, preferably before SAR city. Once at SAR City, these hams will be helping people who made appointments, as well as teaching, and examining. If time permits we will help walk-ins. Some of us will get there Friday night. We will monitor 147.51 simplex (alternate FLASH 2 Repeater 147.180 pl. 151.4). You can reach us on Sat. in our licensing session classroom or Sun. in our New Ham Orientation classroom (check schedule board for location) or if you have a 2 meter radio, 147.51 simplex (alternate FLASH 2 Repeater 147.180 pl. 151.4). You will need to prepare by:

Bring your valid amateur radio license.

Bring your radio, instruction booklet, power source (charged battery or power supply if it is a mobile rig).

Bring a list of amateur radio frequencies you want programmed - get this info from your squad or type in the (name of your town) repeaters into a search engine. If people are waiting on us, we will only program 5 frequencies for you. If you want more, we will have you do data entry. [Note - We run a legal operation. We can not program frequencies that are not legal for us to transmit on; ones outside the ham bands. If you request us to show you how to program your own radio, when you are back home using your own computer, software and cable, we urge you to only program in transmit frequencies you are legally authorized to transmit on]. Please bring a flash drive so we may help you store your program file.

If you have a modified radio, board banded to transmit beyond the ham bands (which is illegal unless you have an appropriate license), your radio may accept a file written to its memory. In some cases, attempts to program modified radios, may result in the radio becoming damaged.

By asking us to program your radio, you agree we are not responsible for any damage which may be caused to your radio.

Elmer (mentor) and Radios:

Mort Arditi, NA6MA, marditi@arrl.net, make appointment once at SAR City. Wouxun: KGUV1D, KGUV2D. Yaesu: FT-7900, VX3, VX7-R.

Cliff Cheng, AC6C, C e r t S p o n s o r A T G m a I L -dot- Com. Yaesu: FT-60R, FT-7800, VX-150, VX-170/FT-250, VX-177/FT-277R.

(Saturday)

Sat., Oct., 8, 2011, 8am. Welcoming Remarks by Cliff Cheng, Ph.D., AC6C, Communications Track Chairman.

Sat., Oct. 8, 2011, 8:00am to 2:30am - FCC Amateur Radio Technician Study Hall. Test preparation for FCC licensing exam to follow at 11:30am. (see course descriptions for important details). Facilitator - Mort Arditti, NA6MA, assisted by Cliff Cheng, Ph.D., AC6C and staff.

Sat., Oct., 8, 2011, 9am to 10:30am, 1.5hrs. How to Choose and Care for Walkie Talkie Batteries So They are Ready When You Need Them, Cliff Cheng, Ph.D., AC6C. This is a very practical hands-on session. Having taught how to buy a walkie-talkie (HT) at SAR City for several years, Cliff, has helped SAR operators during the year in-between SAR City weekends. He has seen many SAR operators buying and using the wrong batteries and chargers. As a result, they often have communication failures during searches. Cliff has put this class together to teach SAR operators the different battery types and chargers and what their proper use. If you can - bring your radios, batteries, chargers and owner's manuals to the session.

Sat., Oct., 8, 2011, 2pm to 3pm, 1hr. APRS for SAR: Automatic Packet Reporting System: An Overview, Joseph Schweitzer, KG6L, Orange County Sheriff's SAR. What if you never had to call in your position to the CP again? Do you get Confused between Latitude, Longitude, Northing, Easting, Zone, Degrees, Minutes, Seconds? An Automatic Position Reporting System is the answer for you. This class will introduce how your team can communicate positions without confusion, and update the CP on your progress automatically. This class is for anyone from the first time volunteer to seasoned radio experts, team leaders and search managers. A non-technical introduction will be followed by technical information on how to get a

system working and a live demonstration.

Sat., Oct., 8, 2011, Approximately 2:30pm to approximately 4:30pm, FCC Amateur Radio Examination Session.

see course descriptions for important details.

If the class members are ready earlier and enough examiners are present, we will start earlier. If you are not in the class and want to take the exam, check with us an hour before the scheduled start time.

All exams must be started no later than 1/2hr. After the exam starts.  
Special \$4 fee; pay at exam.

If you have prepared for the exam and not taken out Study Hall, you are welcomed to take our exam on a space available basis.

Volunteer Examiner Team Leader - Jock Soutar, KC6IIH, Jim Seifert, AD6WL, Norm Odette, K6UO, Jim Laage, KG6SUA, Joe Schweitzer, KG6L, and Cliff Cheng, AC6C, Examiners.

Test takers are welcomed to leave when they finish. People who earn a a pass certificate need to come back at the end of the session for graduation.  
Most people finish in about 20-30mins.

Sat., Oct., 8, 2011, 5pm to 6pm, 1hrs. How to Buy a Walkie Talkie, Cliff Cheng, Ph.D., AC6C. Whether you have a ham radio license or have not yet gotten one, please take advantage of this session being offered and learn how to buy a handheld transceiver ("walkie talkie"). The presentation will help new/old hams understand what the important criteria and pitfalls are to buying a handheld transceiver (HT). Many new hams make the mistake of buying a HT which is far too complicated for them. The HTs of 2011 have more capabilities and complexities than a desk full of equipment from decades past. New hams who buy radios who are too complicated likely will not use them since they can not program or operate them. They give up on ham radio. Avoid the pitfalls and come to the session. This session can save you money, grief and from having communication failures on searches.

(Sunday)

Sun., Oct., 9, 2011, 9am-11am 2hrs. - Carl, WU6D & Cathy, K6VC Gardenias. New Ham Orientation. Mobile rigs and their installation, hands-on operating procedures exercise, hand-held radios.

Detailed Information of Technician Class Study Hall  
and FCC Exam

Technician Study Hall. Our Technician study hall prepares participants to take exam for the Federal Communications Commission (FCC) entry level Technician class amateur radio license in the space of 7hrs. This is not a traditional lecture class. It is a study hall. Participants come and read the question pool. Every hour, there will be a 15 minute demonstration or lecture. After 7 hours of reading, the volunteer examiners (VE) will come in and give the exam.

There is no Morse code requirement.

The question pool is published. All the questions and answers you could possibly be asked are published. You can study (memorize) them. The pool consists of 350

questions. You will be asked 35 questions. You can miss 9 of them and still pass.

At SAR City 2007, 16 people took the Technician exam and 15 passed. In booth 2007 and 2008, 13 people took the Technician exam each year and 11 passed. All 11 people passed in 2009. 10 passed in 2010. Over the years, of the few people who failed one had failed multiple times at locations prior to SAR City. Another person kept saying "I'm going to fail, I'm going to fail." That person failed. Another person failed for they came in late and only read ¼ of the questions. One person who failed the first time, re-tested immediately and passed.

To improve your chances of passage, we ask participants to come having studied the question pool and to the point they are passing on-line practice tests. You can download the question pool for free at:  
<http://bb.qualitymatrix.com/viewtopic.php?f=4&t=30>. Please download, print out and study; and bring with you to our SAR City Study Hall. Bring your questions. Please visit: [www.NERP.myEweb.net](http://www.NERP.myEweb.net), click Ham Exams. Take practice Technician exams. These tests are from the same questions as the exams we give. If you pass a few on-line tests, you can easily pass the exam at SAR City.

People who have not done this preparatory work may still take part in the study hall but may not have as strong a chance to pass as those who prepared. Again the passage rate is typically in the high 90th percentile. If you can pass a driver's license test you can pass a code-free Technician test. Of course to pass a driver's license test, we had to study.

Technician Exam at SAR City. A team of Volunteer Examiners (VE) will give the Federal Communication Commission's amateur radio licensing examination.

The exams need to be prepared ahead of time. We get them from our Volunteer Examiner Coordinator (VEC). We need enough time to order the exams, for the VEC to make and send them to us. Please pre-register for the Technician exam. If you wish to take the General or Extra exams, we are happy to accommodate you. We will not have these exams with us unless they are requested ahead of time. To be sure we have one for you, please let us know you need one at least one full week ahead of time that you need one. Note, the Technician study hall prepares people for only the Technician exam. It does not prepare people for the General or Extra exams.

If you pass your Tech. you are welcomed to take the General exam at no additional fee, if there is sufficient time left in the session. Some hams say since you are already at the exam, why not try the higher exam? You might pass. If you pass you are welcome, providing there is enough time in the session to take the Extra. If you do not pass, you will get experience and which will help you pass the next time.

If you do not pass your Tech. and there is time left in the session, you are welcome to re-take it. We however are required to charge you another \$4. And, you will need to fill out another form.

[Note - While we want you to pass, please note we run a legal and ethical examination].

Pre-Exam Administrative Details - Its been our experience that those who come having taken care of two administrative details are more relaxed, better able to concentrate on studying and the passing the exam, and get their license faster. Please download and fill-out GLAARG application Form 605X and bring it to the session at SAR City: <http://glaarg.org/forms.htm>. Please get your Federal Registration Number (FRN) and use it for Item #4 on the application by going to the FCC website ahead of time at <https://fjallfoss.fcc.gov/coresWeb/publicHome.do> or and click on FRN Registration on the left side of the screen. Two forms of government issued ID are required to take the exam. We need to ask for your contact information in case there is a problem with your application.

A calculator is unnecessary on the Technician exam. If you would like to bring one, you can so long as it is a simple calculator with no memory. Using cellphone, PDA or calculators or your computer is not allowed. The exam is closed book (of course you already had the benefit of having studied the actual question pool).

The test fee will only be \$4. Pay at the exam. None of the Volunteer Examiners (VE), even the ones who have traveled from far away to get to SAR City at their own expense will receive any compensation or even reimbursement for their expenses. The \$4 fee will go solely to administrative costs of the Volunteer Examiner Coordinator (VEC), Greater Los Angeles Amateur Radio Group (GLAARG). GLAARG is the only VEC still charging only \$4, the original fee when the VE program was started in 1984. The other VECs are charging the full \$19 fee the FCC authorizes! GLAARG also tends to be quicker in processing exams which means your license will be issued faster. Licenses will typically be granted by the FCC by the end of the week.

Once You Get Your License. Once you received you call sign you can enjoy your newly acquired privileges! We are happy to help you once you get your license. Please email Dr. Cliff Cheng, AC6C, ac6c@arrl.net and tell him you have received your license and what you call sign is. He will help you find a local amateur radio club where you can get help program your radio. He can also give you contact information for your local amateur radio emergency communication organization; if you want to be in communication during an emergency, you will need someone on the other end to talk to.

Please do attend your new ham orientation classes at this SAR City or you are welcome to do it the next time you come to SAR City. We want you to get your license, if this is what you desire and you can pass the test. A caveat is appropriate here. The entry level Technician license standard has been reduced to a fraction of their former requirements. Most people get licenses by mere memorization. With the license and our new ham orientation, most people will be able with some practice, to use their radio as an "appliance operator" - someone who uses ham radio as if it were an appliance like a cell phone, toaster or refrigerator. Appliance operators have little or no understanding how their radio works let alone the ability to independently get on the air and establish an emergency communications links after a major disaster damages the communications infrastructure. Such a ham is dependent on ham radio stores and old school hams to help them. These resources may not be available to you after when you are responding to an emergency or after a major disaster has occurred. We are happy to refer you to resources in your area which can help you further train and practice.

## **Haz Mat**

Instructor: Ben Boswell

Duration: 16 Hours

First Responder Operational (FR0-R) Refresher - Friday, October 8th, 1800 hrs to 2200 hrs.

(4 hour certified course)

First Responder Operational (FR0) - Start Friday, October 8th, 1800 hrs to 2200 hrs.

Saturday, October 9th, 0800 hrs to 1700 hrs. end Sunday, October 10th, 0800 hrs to 1200 hrs.

(16 hour certified course)

Instructor - Ben "Boz" Boswell, CSTI Certified Instructor, #1156

Boz is once again offering this State Certified course, to meet Federal and State OSHA requirements for anyone requiring certification. These courses cover both refresher and initial training. Both courses begin on Friday. Refer to the course dates and times above. If you are taking the initial FRO certified course, you must register on Friday at the beginning of the course and you must complete the required 16 hour instruction and pass a written exam. The Refresher course is for those students who already possess a FRO certificate and are in need to complete annual re-certification. If you are unable to attend the FRO-R re-certification on Friday evening, contact the instructor anytime during the weekend to setup a time to complete the required training.

There is a \$10 registration fee, per student. The cost covers the materials for FRO trainees and FRO-R's. ERG's are a separate fee. If you possess an ERG (2008 is the latest version) bring it. Otherwise you can either purchase or borrow one from the instructor.

If you have any questions, please feel free to contact the instructor at:

Ben "Boz" Boswell, cell 909-266-7739 or e-mail him at  
bozphd@roadrunner.com

Until then, "Click, Click."

## **How make your disaster drill not a disaster**

Instructor: Ross Kocen

Duration: 2 Hours

His informative interactive session will teach you how to do plan a disaster drill. In this session you will learn how to plan and execute a disaster drill with victims. Learn where to get victims and how to protect yourself and your victims from liability issues. The session will cover how to write a victim scenario to match the moulage and injuries of your victims. Lessons learned from previous drills will be covered so you do not make the same mistakes.

How do define goals for disaster drill

How to define critiques for your evaluators

Where to get victims

Victim legal issues (release of liability photo releases)

How to write a START Triage scenario

Example of a Drill (Video of Ventura County Operation Sunrise)

## **How to Buy a Handheld Transceiver**

Instructor: Cliff Cheng

Duration: 2 Hours

## **Human decomp**

Instructor: Kimberly Kelly

Duration: 2 Hours

## **ICS 300**

Instructor: Eric Matusak

Duration: 18 Hours

Course Description: The Intermediate Incident Command System for Expanding Incidents course provides training on and resources for personnel who require advanced application of the ICS. The course expands upon information covered in the ICS 100 and ICS 200 courses.

Target Audience: Law Enforcement, Search & Rescue, Emergency Medical Services, Emergency Management Agency, Fire Service, Hazardous Materials (HAZMAT), Public Works, Government Administrative, Public Safety Communications, Health Care, and Public Health.

Prerequisites: ICS 300 is designed for candidates that have successfully completed the ICS 100, and ICS 200 courses offered by the Federal Emergency Management Agency (FEMA).

## **Improve your hiking**

Instructor: Mike St. Clair

Duration: 1 Hours

This course covers the techniques on making hiking more efficient, easier on the knees, better concentration, and better stability. This course will be in the classroom a short time and most of it will be outside moving up and down hills. Please be prepared for the desert environment and afternoon temperatures. Hiking poles recommended.

## **Improve your hiking with poles**

Instructor: Mike St. Clair

Duration: 1 Hours

IMPROVE YOUR HIKING WITH POLES, Mike St. Clair This course is a continuation of Improve your hiking. In this course we will cover the use of 2 poles, the different techniques for moving up and down hills. Most of the class will be outside so Please be prepared for the desert environment and afternoon temperatures.

Prerequisites: Improve your hiking

## **Improving SAR Radio**

Instructor: Joseph Saddler

Duration: 1 Hours

This is a non-technical class designed to help field searchers use their radios in "seemingly impossible" poor coverage areas. The factors that impact radio coverage will be discussed and helpful tips and techniques will be provided.

## **K9 Medic Essentials**

Instructor: Joanne Brenner

Duration: 4 Hours

## **Knowledge of Scent**

Instructor: Shay Cook, Greg Slavit

Duration: 2 Hours

## **Land Navigation Module 1 - Maps**

Instructor: Sam Chan

Duration: 2 Hours

Basic Land Navigation for Search and Rescue Module 1 – Maps

This course is designed to teach basic navigation skills through a four module program assuming the students have no prior experience. Each two hour module will cover a specific topic with sufficient detail and attention to the students to allow mastery of the subject. Although it is best to take the classes in sequence, this is not a Track class and you may take any and all modules as you wish.

Module one will begin with topographical maps. Topics covered will include source of maps and aerial photos, map preparation and care, reading the map legend, scales, datum's and coordinate systems, symbols, contour lines and terrain features, declination, and azimuth.

## **Land Navigation Module 2 - Magnetic Compass**

Instructor: Sam Chan

Duration: 2 Hours

Basic Land Navigation for Search and Rescue Module 2 – Magnetic Compass

This course is designed to teach basic navigation skills through a four module program assuming the students have no prior experience. Each two hour module will cover a specific topic with sufficient detail and attention to the students to allow mastery of the subject. Although it is best to take the classes in sequence, this is not a Track class and you may take any and all modules as you wish.

Module two will focus on the magnetic compass. Topics covered will include various directional references, declination, plotting azimuth using a protractor, various types of compasses, parts of the baseplate compass, taking bearings on a map and in the field, reverse bearings, compass checks in the field, dead reckoning with compass and pace count, resection and intersection. This module will include hands on exercises to familiarize the students with the operation of a baseplate sighting compass. It is recommended the student have a combination UTM interpolator/protractor such as the Map Tool UTMSlot24 and a compass such as the Silva Ranger, Sunnto Navigator, or the Brunton 15TDCL.

## **Land Navigation module 3 - GPS**

Instructor: Sam Chan

Duration: 2 Hours

Basic Land Navigation for Search and Rescue Module 3 – GPS

This course is designed to teach basic navigation skills through a four module program assuming the students have no prior experience. Each two hour module will cover a specific topic with sufficient detail and attention to the students to allow mastery of the subject. Although it is best to take the classes in sequence, this is not a Track class and you may take any and all modules as you wish.

Module three will cover the GPS receiver. Topics covered will include commonly used datums, UTM/MGRS/USNG, common interpolator tools, concise and precise grid coordinates, ASTM standard for communicating UTM coordinates, benefits and limitations of civilian handheld GPS units, bearing, heading, and course, basic

setup and operation of handheld GPS units, radio phraseology, and GPS errors. This module will include hands on exercises to familiarize the students with the operation of their GPS receiver and plotting coordinates on a map. It is recommended that students bring a GPS receiver and a UTM interpolator tool such as the MapTool UTMSlot24.

## **Land Navigation Module 4 - Field Exercise**

Instructor: Sam Chan, Remi Rundzio, Al Lenning, Cedric Swirsky

Duration: 3 Hours

Basic Land Navigation for Search and Rescue Module 4 – Field Exercise

This course is designed to teach basic navigation skills through a four module program assuming the students have no prior experience. Each two hour module will cover a specific topic with sufficient detail and attention to the students to allow mastery of the subject. Although it is best to take the classes in sequence, this is not a Track class and you may take any and all modules as you wish.

Module four will be a field exercise designed to apply basic navigation skills to typical search operations. Student will practice map orientation with compass and terrain matching, compass check in the field, navigation by dead reckoning, position fix using resection, marking waypoints and entering waypoints and navigating to a waypoint using GPS and compass.

## **Man Tracking**

Instructor: Darryl Heller

Duration: 16 Hours

This course will present basic tracking techniques that will be useful to the beginning as well as the seasoned tracker. There will be classroom discussion, lecture, field demonstration and a practical. Students will demonstrate how to locate, identify, document, and follow foot, boot, shoe impressions and sign, and identify and process tire tracks. This course will run Friday 1800-2200, Saturday 0800-1700, and Sunday 0800-1200. Students must be present for the entire course to receive certification.

NOTE: Come prepared to go into the field and practice tracking: wear sturdy shoes. Bring water, and bring a tracking stick.

## **Media**

Instructor: Jody Miller

Duration: 1 Hours

This course covers issues in media relations as they pertain to search and rescue operations. Topics that are discussed include: Crime scene considerations; managing the media at command posts and searches; controlling information that goes to the media and using the media to your advantage.

## **Miscellaneous Topics in Land Navigation**

Instructor: Sam Chan

Duration: 2 Hours

## Basic Land Navigation for Search and Rescue

This course is designed to teach basic navigation skills through a four module program assuming the students have no prior experience. Each two hour module will cover a specific topic with sufficient detail and attention to the students to allow mastery of the subject. Although it is best to take the classes in sequence, this is not a Track class and you may take any and all modules as you wish.

Miscellaneous Topics in Land Navigation: This two hour module will cover certain topics touched on in the Basic Land Navigation for Search and Rescue course but in more detail. Topics will include datums, standardizing to the USNG, issues with MGRS/USNG at grid and zone boundaries, different interpolator tools, waypoints by projection, bearing and distance between waypoints, GARS, MGRS grid in Google Earth, and post processing of waypoints and tracks.

## **Moulage - Quick and easy reusable serious injuries**

Instructor: Stephen Sutherland

Duration: 2 Hours

Spontaneous impromptu makeup for SAR simulations and training so as to be quickly effective and easily removed. Realistic ejects will be (discussed including simulation of shock, minor cuts and abrasions, contusions and bruises, lacerations, compound fractures, amputation, etc. Cleanup techniques will be included in the discussion.

## **Night Navigation**

Instructor: Wes Podboy

Duration: 2 Hours

In this class you will learn the principals for accurate Night Navigation. A short lecture will be given before adjourning to the field. \*\*\*Students need to have basic compass experience for this class. Students should also wear good footwear, have a flashlight and a quality compass. Silva Ranger is suggested but any compass with rotating bezel and delineated in 2 degree increments will do.

## **Public Information Officer**

Instructor: Jody Miller

Duration: 1 Hours

This course covers issues in media relations as they pertain to search and rescue operations. Topics that are discussed include: Crime scene considerations; managing the media at command posts and searches; controlling information that goes to the media and using the media to your advantage.

## **SAR Communications**

Instructor: Dave Nicolet, Mike Ward, Frank Kams

Duration: 2 Hours

Instruction and discussion of the various communication systems used in San Bernardino County during Search & Rescue operations. The use of our stationery repeaters, mobile repeaters, 155 and 800 hand-held radios will be explained along with the various other options that are available during actual search missions.

## **SAR Incident Management & Organization (FUNSAR CH. 3)**

Instructor: Michael Losquadro, Mike Steinkraus

Duration: 1 Hours

SAR missions require organization and management that is flexible, adaptable, scalable and easily understandable. In this one hour course you will learn the national standard for organizing under the incident command system (ICS); how each function is used in various scenarios; and learn why common terminology and asset typing is essential in the "mutual aid" world. This course will cover the learning objectives for Chapter 3 of the SAR Tech II program.

## **SAR Resource & Technology (FUNSAR CH. 11)**

Instructor: Michael Losquadro, Liam Murphy

Duration: 1 Hours

SAR missions require resources of human, animal and technology. In this one hour course you will learn the types of resources required for different types of searches. Subjects covered will include types of searches, human and animal resources, and search management. We will have hands-on examples of technical search equipment including specialized listening devices, search cameras, and other SAR resources. The course will cover the learning objectives for Chapter 11 of the SAR Tech II program.

## **SAR Safety and Marijuana Gardens**

Instructor: Bill Lakow

Duration: 1 Hours

This course will help you identify visible signs that an illegal commercial marijuana grow may be near when you are performing your duties in the wilderness. Some of the tactics that eradication teams use to find these grows, you could employ to avoid them for your safety. You will see the components of many typical grow sites that have been raided in California Wilderness areas.

## **Satellite Communications for SAR and Public Safety**

Instructor: Oscar Vera

Duration: 1 Hours

Class will discuss basics of satellite communications and how they can be used in search and rescue. Basics of how satellite communication work, different systems available, and associated overhead from power consumption, costs, and software. We will discuss how satellite systems are used, who uses them, and how useful they are. We will discuss how Search and Rescue teams can use Satellite Communication from off the shelf systems to making and deploying Amateur Radio systems.

## **Searcher Safety**

Instructor: Remi Rundzio

Duration: 2 Hours

This module is going to cover the searcher safety topics as they relate to various SAR environments. Wilderness and urban safety/awareness will be discussed.

## **Smart phones in SAR – Android & iPhone**

Instructor: Duane Dickerson

Duration: 1 Hours

In this course we will go over Android and iPhone uses in SAR. Applications that you might find useful, Battery life and how to maximize it, and SAR specific topics. If you are one of those propeller heads, or just happened to get talked into an Android or iPhone at the store, this course will help you get that micro computer you have been carrying around some more use. You might just find out that there is more to your little toy than playing "Angry Birds." With the one hour class it will be limited to Android and iPhones. No blackberries, palm, or rotary cell phones will be covered.

Tablets use the same apps so if you have giant pockets, or if you prefer to carry a iPad or Android tablet most of this would also apply as well.

## **Solid SAR Dog Performance**

Instructor: Cindy MacArthur

Duration: 4 Hours

## **Trailing Search Dogs: Trailing Characteristics/Tra**

Instructor: Juanita Smith, Jim Frank

Duration: 2 Hours

## **Understanding Autism for K9 Handlers**

Instructor: Kayla Hardin

Duration: 2 Hours

## **UTM made easy**

Instructor: Mike St. Clair

Duration: 1 Hours

## **What's New with ELTs**

Instructor: Bob Miller

Duration: 4 Hours

The ELT class will be a 2 part class; first looking at the new technologies available today for both ELTs and ELT locations, and secondly will be a hands-on practice session with a number of direction finding units ranging from the original "L-PER" through the MK4 to the latest TigerStrike.

## **Wild Edible and Medicinal Plant - Field ID**

Instructor: Bernie Kerkvliet

Duration: 1 Hours

In this class you will walk around campus with the instructor I.D. Plants, plant parts, and possibly tap a tree to get drinking water. A pen, notebook, and camera will be helpful. A plant list will be provided by the instructor.

Meet in front of the gym at the amphitheater.

## **Wild Edible and Medicinal Plant - Introduction**

Instructor: Bernie Kerkvliet

Duration: 2 Hours

This class will cover the safe use of plants, collecting and processing, which parts of the plants to use, plant communities, and what you can expect to find in them, edibility rules and even fire starting without matches.

Plant specimens will be brought in for inspection. You can expect to see plants from the mountain and desert area and some that grow just about anywhere in north America.

Food samples will be available for you to try in class

## **Winter Survival**

Instructor: Mike St. Clair

Duration: 4 Hours

This course will cover winter survival, snow shelter Construction, what goes inside a winter SAR pack, winter equipment, Avalanche awareness and use of Avalanche beacons and search techniques.

# Instructors

## **Al Lenning**

Al is a reserve sergeant with the Orange County Sheriff's Department Search and Rescue Reserve Unit. He currently is in charge of the Logistics Squad.

## **Andy Avery**

I've been a student at SAR City since the mid eighties and unsure how the years flew by so fast. I have several years experience in SAR and currently employed as a Deputy Coroner Investigator.

San Bernardino County Sheriff's Air-Rescue Team 1981 - 2004

San Bernardino County Coroner's Office 1985 - Present

## **Arnold Gaffrey**

## **Ben Boswell**

Boz has been involved with SAR City since 1986. He retired from the San Bernardino Sheriff's Department as a sergeant, after 32 years in law enforcement. Because, of his vast knowledge and hands-on experiences in critical incident events Boz is sought after for consultation in emergency response and mitigation efforts. He possesses an advanced Criminal Justice degree and is an instructor with the San Bernardino Sheriff's Regional Training Center and San Bernardino Valley College.

His credentials are many and in part they include; 8 years as the Commander of the County Disaster Preparedness Division (now County OES), FBI trained bomb technician, California state certified fire investigator, certified emergency manager and criminal investigations in hazardous materials. Boz is a certified instructor with California POST courses in NIMS (new federal terminology for SMES and ICS), Report Writing, Disaster Preparedness and Critical Incident Management. Other credentials include FRA and FRO hazardous materials certification from OES California Specialized Training Institute (CSTI). For 28 years Boz was a coordinator of various volunteer groups within the Sheriff's Department, to include SAR. And yes, he is a SAR Tech II. Currently, Boz is a volunteer with the San Bernardino Sheriff's Department Volunteer Forces SAR Com Unit.

## **Bernie Kerkvliet**

Bernie has had a love for plants as long as he can remember. A graduate of Cal Poly Pomona, he studied landscape and architecture and ornamental horticulture. His senior project was on an edible landscape. After graduation he became a landscape contractor and a pond builder.

Bernie has taught Plant classes at Cal State San Bernardino, SAR City and SAR and CERT teams, scouting groups, museum groups, garden clubs, Sierra club and just about any customers that will listen.

Continuing involvement in the study of plants is important to Bernie. He is a member of the California Native Plant Society and Rancho Santa Ana Botanic Gardens. Along with his constant desire for discovering new plants and their uses, he and his wife Marianne go on regular collecting and camping outings to improve their craft.

## **Bill Lakow**

Deputy Bill Lakow has been a SAR Team member and worked K-9 Operations for 18 years. Deputy Lakow has completed NASAR SAR Tech II and Post Investigative Tracking. For the past 7 years he has been TAD to a California Department of Justice marijuana eradication team assigned to Northern California, Campaign Against Marijuana Planting (CAMP).

## **Bob Miller**

Bob Miller has been the ELT instructor here at SAR CITY since 1995. Bob originally joined Civil Air Patrol in 1967. As a cadet, he was introduced to Search and Rescue in 1972 and specialized in ground team and electronic search. Finding few outlets for the necessary extensive field training, he became an amateur radio operator and went out on weekly transmitter hunts to gain the practical experience of hunting distant and weak radio signals. In 1993 he was assigned to the CAP California Wing Headquarters Readiness Section as an Urban Radio Direction Finding instructor, and taught numerous classes and field exercises with CAP squadrons and jointly with West Valley SAR, San Bernardino Co. sheriffs, LA Co. sheriffs, the US Coast Guard, and US Air Force. He has located an average of 30 ELTs and EPIRBS per year since 1990 in both the urban environment and the wilderness. He has been the Chief Ground Team Leader of California Wing since 2004. Bob has been featured in 73 Magazine and currently designs and manufactures high-quality portable antennas specifically for the Search and Rescue community.

## **Bob Stine**

## **Bob Wells**

Bob and Lori Wells have been members of CARDA for 10 + years. Lori is also a member of the Los Angeles County Sheriff's Department Volunteer Search Dog Team. Bob is a member of CEMP, the Los Angeles Police Department's Volunteer SAR organization based in the San Fernando Valley. Bob and Lori are Mission Ready Trailing Dog Handlers. Bob's K-9 partner is a 10-year-old Bloodhound named "Marlowe". Also in training is his 3 year old Bloodhound "Inspector Gadget". Lori's K-9 partners are a 12 ½ half-year-old Catahoula Leopard Dog named "Buster" and a 9 year old Bloodhound cross named "Emma Peel". Also in training is Buster's niece "Katrina". Bob and Lori met during SAR training and now share an interest in the advancement of the human understanding of how dogs use their natural abilities to discriminate scents and sources.

## **Cedric Swirsky**

Cedric is a member of the Orange County Sheriff's Department Search and Rescue Reserve Unit. He is currently assigned to Land Operations Squad.

## **Charles Arbaut**

Charles Arbaut is the training Ltg. for Tehachapi SAR, for the past 2 years, They are an MRA team and I handle all of the member training. he has been with TMSAR for five years.

## **Chuck Christman**

Chuck Christman has over 40 years in underground mining and rescue experience. Chuck is a Certified Federal Mine Safety Health (MSHA) underground Safety and Rescue instructor. He served on the FEMA Standards Committee that set up the standards for Urban Search & Rescue. He recently retired after 27 years as a member and instructor on the Kern County, CA Sheriff's Volunteer underground rescue team (Indian Wells Valley SAR). He is an E.M.T., holds all of California's OSHA's Mining and Tunneling Safety Certificates, and has worked as a safety consultant on numerous high-risk tunnels, dam, and mine projects. A former underground miner, he also served on working mine rescue teams. He has given training sessions for and worked with Los Angeles County USAR Teams, Camp Pendleton Fire/Rescue and the Honolulu Fire Department. In August of 2003 he published an article on the hazards of rescue in abandoned mines in "Fire Engineering" magazine. He lives near Mojave, CA with his beautiful young wife, Katie..

## **Cindy MacArthur**

### **Cliff Cheng**

Cliff Cheng, Ph.D., AC6C. - Cliff Cheng, Ph.D.'s involvement in radio electronics goes back to 1975 when he was first licensed as a radio amateur, WN6JPA. He currently holds an Federal Communication Commission (FCC) Extra class license, AC6C. He has held a National Radio and Television Engineers' (NARTE) Technician 4th class certification. Cliff is on the American Radio Relay League (ARRL; national organization of amateur radio) Amateur Radio Emergency Communication Course Honor Roll as a Level III graduate. He is also a Field Instructor.

Cliff has done communication for the American Red Cross since the late-1970s. He has been trained by the National Wildfire Coordinating Group (NWCG) and FEMA in ICS radio as a Radio Operator-Dispatcher (RADO), Communication Technician (COMT) and Communication Unit Leader (COML). During Operation Golden Phoenix, a Type I incident full scale terrorism drill in the summer of 2008 in San Diego County, he served as an Assistant COML.

Additionally he has been trained by NWCG and FEMA for the ICS Command Staff job of Liaison Officer and also the job of Incident Training Specialist (TNSP).

Cliff runs the regional emergency management and homeland security training program in Los Angeles and has provided training for most of the local, state and federal response agencies. As a trainer, he is certified to teach: Incident Command System (ICS), all levels. DHS - Center for Domestic Preparedness, FEMA - EMI. L-148, Homeland Security Exercise and Evaluation Program (HSEEP), FEMA - EMI. L-548, Continuity of Operations for Managers (COOP), FEMA - EMI. AWR 118, Awareness and Response to Biological Events, Awareness Level, Louisiana State University, National Center for Biomedical Research and Training, Academy of Counter-Terrorist. AWR 130, Incident Response to Terrorist Bombings, U.S. Department of Homeland Security, New Mexico Technical Institute, Energetic Material Research and Training Center. AWR 132, Understanding and Planning for School Bombings Incidents, U.S. Department of Homeland Security, New Mexico Technical Institute, Energetic Material Research and Training Center. AWR 141, WMD Radiological/Nuclear Awareness, U.S. Department of Energy, Nevada Test Site; U.S. Department of Homeland Security, National Nuclear Safety Administration. AWR 160, Standardized WMD-Terrorism Awareness, U.S. Department of Homeland Security, Center for Domestic Preparedness. AWR 185-1, Terrorism Awareness: Protecting Soft Targets, U.S. Department of Homeland Security, University of Nevada, Las Vegas. Modular Emergency Response to

Radiological Transportation Training (MERRTT), Train-the-Trainer, U.S. Dept. of Energy, Transportation Emergency Preparedness Program (TEPP). He also has completed the FEMA - Emergency Management Institute's Professional Development Series in Emergency Management. He holds a HazMat FRO certificate from the California Specialized Training Institute.

On the amateur radio side, Cliff sees ham radio as a great way do public service through providing emergency Communication (EmComm). Cliff joined the Amateur Radio Emergency Service (ARES) in 1976. He also in the Los Angeles Unified School District Amateur Radio Assn. - providing emergency communications to the second largest school district in the country. In the 1980s he was also active in the Disaster Communications Service (DCS), part of the LA County Sheriff's Dept.

Cliff holds life membership in both in the American Radio Relay League (ARRL), the national organization of amateur radio and the Quarter Century Wireless Assn. (QCWA, society of licensed radio amateurs with 25 or more years of experience). He served as an Assistant Director in the ARRL's Southwest Division, and is a Registered Instructor and Volunteer Examiner (VE). Cliff served as President or officer of several amateur radio clubs.

He has merged his interested in community preparedness and established the Neighborhood Emergency Radio Project, [www.NERP.myEweb.net](http://www.NERP.myEweb.net), as a free non-profit education website to teach the average citizen about communication infrastructure failure and what their personal/family/neighborhood emergency communication options are.

## **Darryl Heller**

Darryl Heller is a retired Sgt., with the San Bernardino County sheriff's Department. He has 25 years law enforcement and SAR experience. Darryl has accumulated 3000 plus hours SAR and criminal tracking experience and has taught tracking to numerous agencies throughout California for 18 years. He is the author and instructor for the P.O.S.T, Training Course/Basic Investigative Tracking and is considered an expert in SAR criminal tracking, and crime scene tracking' reconstruction. He is also the recipient of the NASAR "HAL FOSS" Award. It is rumored that he can track a bird's flight 24 hours later. Just don't step in it!

## **Dave Nicolet**

Dave is the current Director of the Inland Empire Search & Rescue Council, a position that he has held for the last 5 years. He is a member and Past Commander of the Morongo Basin Mounted SARunit. Dave is a 13 year member and is member of the countywide ICS Team, serves as an instructor at the Basic Search & Rescue Academy and holds a number of certifications for both equine and ground search operations.

## **Debbie Bervel**

Dr. Bervel is Board Certified in Emergency Medicine and holds a fellowship in Emergency Medicine as well.

She graduated from Loma Linda University Medical School and practices in the Inland Empire. She has in the past taught classes for Paramedics and EMT's in the region.

Dr. Bervel has been a member of the San Bernardino Sheriff's Air Medics for the past 10 years as well as being a member of the West Valley Search and Rescue Team. She holds a Reserve Deputy commission.

Debbie is a NASAR SAR Technician I and is a NASAR SAR Technician II evaluator and a members of the Sheriffs Basic Search and Rescue Academy Staff.

Debbie is the Medical Director for the State Trial Study for Wilderness Medical Technician. She also represented Search and Rescue on the State EMT II committee.

In addition she is the medical director for San Bernardino City Fire Dept and the medical director for the California Motor Speedway.

She also received the State of California Medal for Meritorious Service for her work with Search and Rescue.

She is also a Private Pilot and holds a General Class HAM Radio License.

## **Duane Dickerson**

Duane Dickerson was born in California and has been hiking, backpacking, climbing all his life. For the past few years he has been a member of the Bear Valley Search and Rescue team. However for a career you would say Duane is a geek. For the past 25+ years he has been programming, building, repairing, and operating computers. Currently working for several companies as a Database Manager for internet commerce websites, he lives and breathes computers.

## **Ed Bronowicki**

EDWARD M. BRONOWICKI, EMT-P

Owner/Lead Educator - Insight Educators, AHA Programs Instructor, NAEMT Programs Instructor/Training Center, ASHI Programs Instructor/Training Center, EMS Safety Services Programs Instructor/Training Center

Having worked for nearly twenty-two years in the Emergency Medical Service, with twenty as a paramedic in 911/ALS systems throughout southern California, Ed has experienced the victories, challenges, and pitfalls in the delivery of health care in the prehospital and clinical arenas. It's that experience that has helped him to develop his courses with "real-life" flavor to them and gives him a distinct edge when it comes to the education of others in the medical field. Seeing a lack in other training programs, Ed created his training and consulting firm, Insight Educators which has been training both public and medical professionals for over thirteen years.

His exposure to emergency medicine, in both prehospital and clinical arenas, has produced real life experiences that (along with vital course information) are delivered in an organized, practical, and entertaining presentation that helps guarantee retention and rapid recall of vital information in moments of crisis.

Ed's experience has also created opportunities to be a consultant in the engineering and development of medical/trauma systems, which he often uses in his training programs. The kits and medical supplies that he chooses are based on his twenty-two year experience as a paramedic both on the ground and in the air.

## **Eric Matusak**

Eric Matusak is a Long Beach Police Officer currently assigned to the Long Beach Police Department's Critical Incident Management Section. He has been a member of the Long Beach Search and Rescue Unit for 11 years and currently serves as the unit's training director. He is a member of the unit's Type II USAR team and Type III Ground Searcher team. Eric is an Emergency Medical Technician, Terrorism

Liaison Officer, and member of the City of Long Beach's Disaster Preparedness Committee.

Eric has served in a variety of positions in field command posts and in the City of Long Beach's Emergency Operations Center during activations. Eric conducts ICS training classes on a regular basis for the Long Beach Police Department as well as other city departments, the local red cross, Long Beach CERT, and other local response partners.

Eric is married with one son. In his spare time he enjoys spending time with his son at Disneyland, going to the movies with his wife, and donating his time to the Long Beach Search and Rescue Unit.

## **Frank Kams**

Member and Past Commander of the West Valley SAR Unit assigned to the Fontana Station. Franks has been a member for over 10 years and is a SAR Tech I, a member of the countywide ICS Team and is an instructor at the departments Basic Search & Rescue Academy. He currently serves as the Assistant Director of the Inland Empire Search & Rescue Council. Frank is a skilled rope and alpine responder.

## **George Durkee**

George has been a seasonal Wilderness ranger for over 40 years in both Yosemite and Sequoia and Kings Canyon National Parks. He is one of the co-founders of the SAR & GIS Workgroup developing MapSAR and is an adjunct instructor for SAR and GIS at Columbia College. He and co-author Vanessa Glynn-Linaris are in current discussions with ESRI to write and publish Best Practices: Using GIS in Wildland Search and Rescue.

## **Greg Slavit**

## **JC Blankenship**

## **Jim Frank**

## **Joanne Brenner**

## **Jody Miller**

Jody Miller is a Public Information Officer for San Bernardino County Sheriff's Office. Robin works in the Media Liaison Unit, located at Sheriff's headquarters in San Bernardino. The unit's responsibilities include, releasing information to print and broadcast media outlets, preparing communications on behalf of the Department and Sheriff, and responding to breaking news events.

## **Jon Pedder**

## **Jorene Downs**

Jorene Downs started in Search and Rescue in 1996 and has over a decade of command post experience. She has over 30 years experience as a trained volunteer in public safety, with a background including reserve law enforcement officer, NASAR chair for

Mounted SAR, development of ASTM international standards related to SAR and homeland security, CERT Program Coordinator, amateur radio as a disaster resource, and more. Jorene is nationally recognized as a conference speaker and clinician, and has multiple published articles on effective use of the Mounted SAR resource. She has over 50 years experience with horses.

## **Joseph Saddler**

Joe Saddler is the Chief Radio Engineer for the Orange County Sheriff's Department. He has been an active member of the Orange County Sheriff Search and Rescue team for twenty years. He instructs radio communications and Community Emergency Response Team (CERT) classes at the local community college. Joe has been a licensed ham radio operator since 1973.

## **Joseph Schweitzer**

PSR Joseph Schweitzer, Orange County Sheriff's Department, Search and Rescue Unit

Joseph has been an active member of the Orange County Sheriff's Department Search and Rescue Reserve Unit Command Support Squad since 2008. Aside from his regular responsibilities within the CCL Squad, he specializes in the area of radio communication setup, and maintains the unit's APRS system. An Amateur Extra class radio licensee, KG6L, can often be heard on 2meter simplex and UHF repeaters throughout southern California. With 15 years of active membership in the Boy Scouts of America he also has extensive knowledge of hiking, backpacking and land navigation.

## **Josh Richling**

Josh was born and raised in the High Desert. His many accomplishments and qualifications include:

12 years in EMS (8 as a paramedic)

Diplomat in Fish and Wildlife Management

Federally licensed Falconer

Animal Health Technician - 10 years

Herpetologist Assistant for 4 years at the High Desert Herpetorium

Research Assistant and Paramedic during 10 years for "Biodiversity Study of Terrestrial Arthropods of Tropical Forests of the Caribbean States" Member of a study group responsible for the discovery of multiple new species of arthropods of the tropical forests

## **Juanita Smith**

## **Katlyn Avery**

## **Kayla Hardin**

## **Kimberly Kelly**

Kimberly Kelly Falconer is the director and founder of Project Far From Home, an Alzheimer's education program designed for law enforcement, fire, EMS, and search and rescue. Recognized as a continuing medical education specialist in Oregon, New Mexico and California, she has also taught in Nevada, Arizona and Washington. She is a California POST certified instructor and NASAR SAR Tech II and SAR Tech Evaluator. Kimberly is a reserve sergeant with the San Diego County Sheriff's Department. She's accrued 13 years in the field as a SAR worker as a mounted officer, technical rescue EMT and is now attached to the dive recovery unit as a dive recovery specialist.

## **Kirk Kahoe**

### **Liam Murphy**

Liam Murphy, Orange County Sheriff's Department, Search and Rescue Unit.

Liam Murphy is a Senior Risk Management and Safety consultant for a CA State agency. He serves as a Safety Officer on his agency's Incident Command team and also directs his agency's Emergency Communications network. Liam is trained as a Reserve Peace Officer but is not currently sworn. He serves as a civilian reserve on the Orange County Sheriff's Department, Search and Rescue unit. Liam is a certified trainer for related areas such as Continuity of Operations and CERT.

### **Lori Wells**

Bob and Lori Wells have been members of CARDA for 10 + years. Lori is also a member of the Los Angeles County Sheriff's Department Volunteer Search Dog Team. Bob is a member of CEMP, the Los Angeles Police Department's Volunteer SAR organization based in the San Fernando Valley. Bob and Lori are Mission Ready Trailing Dog Handlers. Bob's K-9 partner is a 10-year-old Bloodhound named "Marlowe". Also in training is his 3 year old Bloodhound "Inspector Gadget". Lori's K-9 partners are a 12 ½ half-year-old Catahoula Leopard Dog named "Buster" and a 9 year old Bloodhound cross named "Emma Peel". Also in training is Buster's niece "Katrina". Bob and Lori met during SAR training and now share an interest in the advancement of the human understanding of how dogs use their natural abilities to discriminate scents and sources.

### **Lou Castle**

Lou Castle ([www.loucastle.com](http://www.loucastle.com)) is a retired police officer with nearly 30 years experience who was a police canine handler and the K-9 trainer for his department. Now he's a court recognized K-9 expert, a POST certified evaluator, and a canine legal consultant who does seminars on training police and SAR K-9's. He was co-founder, past President and past Vice President of the Los Angeles County Police Canine Association (LACPCA), and past Vice President of United States Police Canine Association (USPCA, District Five). Lou is also a world-wide recognized expert in electronic collar (e-collar) use, teaching and training in the proper use, application, and methodology of this piece of equipment, specializing in dogs that search. On Saturday, Lou will be running an 8 hour class devoted to e-collar, training and trouble-shooting with your canine. On Sunday morning, Lou will spend 3 hours with you discussing and working building search problems.

## **Majid Sabetzadeh**

Majid Sabetzadeh has been involved with Santa Clara Co. Sheriff search and rescue for more than 15 and also a member of Yosemite National Park Search and rescue (YOSAR) since 1999. He has done recreational mountaineering and climbing for more than 25 years and has summated several peaks in Himalayas in exceed of 20,000 feet. Since 1999, Majid also has been involved with International Red Crescent Society (International Red Cross) in Middle East training mountain rescue teams and regularly travels to ME to provide SAR courses to mountain rescue group and IRCS personal. He has certifications and trainings in ICS 400, CalEMA Winter SAR Management, CalEMA Direction and Control of Search Function D&C, Man Tracking, Rigging For Rescue, Confided Space, Swift water, Avalanche rescue, HAZ MAT first responders, numerous certification from Federal Emergency Management (FEMA) and a member of the American Red Cross disaster respond team. Other certifications includes ham radio operator (KR6SAR) and FAA certified aircraft, maintenance technician.

## **Marie Podboy**

## **Matt Scharper**

Matt Scharper is a Deputy Chief with the California Emergency Management Agency (Formerly OES) - Law Enforcement Branch and is the California State Search and Rescue Coordinator. Matt is headquartered out of the Region V office, located in Fresno, CA and is also the Law Enforcement Mutual Aid Coordinator for Region V. A recognized expert in the field of Search and Rescue, he spent 13 years as the Search and Rescue Unit Coordinator for the Mariposa County Sheriff's Department and has over 29 years of combined search and rescue experience. He has coordinated literally hundreds of searches, rescues, and large and small-scale disasters. A previous college instructor for search and rescue topics of: Search Management and Tactics, Technical Rope Rescue, Swift water Rescue, Man Tracking, and Law Enforcement Incident Command Systems along with other Law Enforcement topics. He is the lead instructor for the Cal EMA Search and Rescue Instruction Program, instructing the "Direction and Control of the Search Function Course" and the "Winter Operations SAR Management Course" and is responsible for all State of California SAR programs. Matt's 25 year law enforcement career has earned him California's Commission on Peace Officer Standards and Training (POST) certificates of "Advanced, Supervisory, and Management".

## **Matthew Baker**

## **Michael Losquadro**

Lieutenant Michael Losquadro, Orange County Sheriff's Department, Search and Rescue Unit.

Lieutenant Losquadro is a Group Leader in the Search and Rescue Unit for the Orange County Sheriff's Department. He has been a member of the search and rescue unit for 8 years, and previously served in similar capacities with two other SAR/disaster response organizations. Lieutenant Losquadro has completed NASAR SAR Tech II, Rescue Systems I training, and is a member of the unit's Bloodhound Team. He has served as Incident Commander, Operations Chief, Planning Chief and Team Leader for many searches in Orange County, as well as in mutual aid incidents throughout California.

## **Mike St. Clair**

Mike started climbing and back country skiing in 1970. Joined the National Ski Patrol in 1982 and started teaching Winter Survival for the Ski Patrol shortly thereafter. In 1995, Mike started leading climbing teams up Rainier, Mexico and Ecuador. In 1996 Mike taught his first Winter Survival course at SAR City and every year to present. Mike was invited to teach Winter Survival to Homeland Security medical teams at the 2002 winter Olympics. Mike is also one of the lead instructors for the Governor's office of Emergency Services Winter Search Management course. He is also the coordinator for the OES Nordic Search team for Southern California. Last spring Mike participated in a body recovery operation of a helicopter crash deep in the Peruvian jungle for 2 weeks. He is at home in the winter environment and can relate his years of experience living in the cold of Wyoming.

## **Mike Steinkraus**

Sergeant Mike Steinkraus, Orange County Sheriff's Department, Search and Rescue Unit.

Mike Steinkraus is a reserve Sergeant for the Orange County Sheriff's Department's Search and Rescue unit. In his full time job he serves as the Orange County Emergency Medical Services Disaster Coordinator. His duties entail preparing hospitals and ambulances for natural and manmade disasters. Mike is also responsible for the coordination of medical and health assistance during a disaster. He serves as the Medical and Health Operation Area Coordinator (MHOAC). He has been responsible for developing and implementing training and disaster preparedness. Mike is also the Deputy Commander with CA-1, Orange County's Disaster Medical Assistance Team (DMAT). He has led the team in almost every major disaster since 1985. He is a certified instructor in ICS 100, 200, 300, 400, 700, 800.

## **Mike Ward**

Mike is the current Past Director of the Inland Empire Search & Rescue Council and has served the department for the last 28 years. He is a member of the West Valley Posse and the San Bernardino Mountain Rescue unit based out of San Bernardino. Mike is an instructor for the county's Basic Search & Rescue Academy and is a member of the countywide ICS Team. Mike's expertise's are in communications and the proper use of radios and repeaters.

## **Natalie Castle**

## **Oscar Vera**

Oscar Vera has been involved in Search and Rescue for 25 years. He began with the Sheriff's department Explorer's post and is now a member of Santa Clara County Sheriff department Search and Rescue team and a member of San Jose Search and Rescue. He is an Amateur Radio operator. He is also a member of the Army National Guard with a tour overseas. He is an EMT with 14 years of emergency room experience with trauma. He currently works as an engineer in Santa Clara, CA, and travels internationally in support of customers.

## **Paul Doherty**

Paul Doherty worked as the GIS Specialist for Yosemite National Park Protection Division, the GIS lead for the National LandSAR team, and a National Park Law Enforcement Ranger. In addition Paul has completed his M.S. in biology, is a

wilderness EMT, and is currently a doctoral candidate in Environmental Systems at the University of California Merced. The topic of his dissertation is Geographic Information Systems (GIS) and Search and Rescue.

### **Remi Rundzio**

Remi is a reserve sergeant with the Orange County Sheriff's Department Search and Rescue Reserve Unit. He has been with the department since 2008 and he currently is in charge of the Land Operation Squad.

Sergeant Rundzio is a Squad Leader in the Search and Rescue Unit for the Orange County Sheriff's Department. He has been a member of the search and rescue unit for over 3 years. Sergeant Rundzio has completed OCSD Search and Rescue Academy and is in charge of Land Operations Squad. He has served as a Team Leader for many searches in Orange County, as well as in mutual aid incidents throughout California. He also has Patrol and Special Enforcement Team experience.

### **Ross Kocen**

Mr. Kocen is a principal in First on Scene Training LLC, a leading provider of Continuing Education, disaster drill planning and Moulage. Mr. Kocen has been an invited speaker at National Association of EMS Educators (NAEMSE) annual symposium. Mr. Kocen is a NREMT-B and has a BSEE and holds an MBA from Pepperdine University. Mr. Kocen is a member of the NAEMSE and NAEMT.

### **Roxanne Bessinger**

### **Sam Chan**

Sam is a reserve deputy with the Orange County Sheriff's Department Search and Rescue Reserve Unit assigned to the Land Operations Squad

### **Sarah Avery**

### **Scott Armstrong**

Scott Armstrong is the Director of Emergency Rescue Services, a volunteer team in the San Gabriel Valley. He has done a lot of training with some military friends. Scott has produced a child survival video and program that is being used in several states. Scott has taught classes in basic survival, Desert survival, Winter survival, Child survival, and disaster preparedness. Scott was a Senior Instructor for Hughes Survival Systems for four years and is a consultant for Prevail Survival Systems. He is a trainer with the Boy Scouts "High Adventure Team" where they teach scouting leaders advanced mountaineering skills, including kayaking, rafting, equipping for snowshoeing and ice work, equipping for mountaineering expeditions and wilderness aid. Scott also conducts "out of bounds survival field adventures". Scott started teaching at SAR City in 1986, so it's now been 20 years of teaching at SAR City. He says it has been a pleasure to share survival information with over 1500 SAR team members. He says it has been a great encouragement as he has heard back from former attendees to his classes several years later, and they shared how something from his classes helped them in a real world experience. He says, "I hope my classes may be of some help to you also".

## **Shay Cook**

## **Stephen Sutherland**

Stephen Sutherland has advised, instructed and participated in hundreds of montage simulations for the military, hospitals prisons, SAR groups, DMAT teams, practices for the sheriff's Department, and other organizations. He has been in the professional makeup business for over 21 years as a makeup and special effects artist. He also assisted in disaster simulation makeup for an ABC Network earthquake special. Stephen is the owner of the Fun Comer in San Bernardino, a theatrical store.

## **Todd Hall**

## **Tom Patterson**

Tom Patterson became the Wild land Fire Specialist at ESRI after 30 years of Federal service as a Ranger and Fire Management Officer with the Bureau of Land Management and National Park Service. Before he retired, he learned how valuable geospatial technologies can be and developed real-time field mapping applications for search and rescue and wildfire incidents. Tom is an old-timer at SAR City having attended for the first time in 1981.

## **Wes Podboy**

Wes has been a 31 year reserve deputy for the San Bernardino county Sheriff's department. He has spent over 23 years as a member of the Sheriff's Air Medic team where he flown as an Air Medic and Crew Chief. In addition he was member of the West Valley Search and Rescue Team

He also helped form the SAR Communications Team and provided engineering services for the SAR Radio Repeater system that the county utilizes.

He is one of the original instructors for the Sheriffs Basic Search and Rescue Academy and currently serves as one of the Lead Instructors. He also holds certifications as a NASAR SAR Tech 1 as well as a NASAR Coordinator for Fundamentals of Search and Rescue and SAR Tech I, II and III.

Wes was one of the developers of the State Wilderness Medical Technician Trial Study. He also represented Search and Rescue on the State EMT II committee which now is known as the Advanced Emergency Medical Technician certification. . He also taught EMT at Chaffey Community College for 12 years.

He also received the State of California Medal for Meritorious Service for his work with Search and Rescue

Wes works for Cassidian Communications as a Sales Engineering Manager for Western United State specializing in Digital radio communications.

He has held a General Class HAM Radio license for many years as well Pilots licenses for Fixed wing and Rotary aircraft.

# 2011 SAR City Vendors

BST Sports / Mountain Hardware

OPS Deck

Bug Out Bagz

Outback Flashlights

Caps and More

Quantum Packs

Datron World

Search Gear

Communications Inc

Sierra Rescue Tools

Desert First Aid & Safety

SOS Survival Products

ESRI

Team Golden Design

Fun Corner Moulage and training

Valley sporting goods

GeoPro

WillHammer Industries

Kitsap safety

## Closing Notes

SAR City was developed by the Barstow Sheriff's Desert Rescue Squad, a volunteer team involved in all types of SAR, including ATV's, aviation, cave, ELT's, 4x4's, posse, mine, PSAR, technical rope and tracking to name a few. We would also like to thank our co-sponsor, San Bernardino County Sheriff's Department.

### SAR City Organizing Committee Members

Coordinator	Daryl Schendel	Desert Rescue Squad
Registration	Clint Hiatt	Desert Rescue Squad
Vendors	Steve Depue	Desert Rescue Squad
Door Prizes	Jim Riley	Desert Rescue Squad
Webmaster	James Hutchinson	Desert Rescue Squad
Sergeant	R. Medley	SBSD, Barstow

#### Desert Rescue Squad Members:

Sisto Cordova	Kathy Ridler
Steve Depue	Rod Ridler
Dennis Geiger	Bobby Riley
Clint Hiatt	Jim Riley
James Hutchinson	Patti Riley
Pam Koch	Daryl Schendel
Ken Kolbly	Jon Szetela
Joshua Mendoza	
Hector Morales	

Det. Marion Browne

Dep. Luke Dilbeck

Dep. Jacob Gault

#### ***You can write to the Sheriff's Desert Rescue Squad at:***

Barstow Desert Rescue Squad  
P.O. Box 108  
Barstow, CA 92312

#### ***If you want to write and indicate your support for this or other related programs, contact:***

Captain Greg Lascala  
SBSD Barstow Station  
225 E. Mountain View  
Barstow, CA 92311

Rod Hoops, Sheriff  
County of San Bernardino  
655 E. Third St.  
San Bernardino, CA 92415

A special thank you is given to the staff at Barstow Community College who helped us put on SAR City 2011.

***...and to the instructors and participants who, through their generosity and sacrifices, make it all worthwhile.***