



ESCAPE 2019

Course Descriptions & Instructor Bios

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GENERAL SESSIONS

Friday, May 17

9:00-12:00	NM SAR Review Board Meeting (Agenda available on DPS website)
1:00-4:00	NM Field Certification Exam
6:30-8:00	Dinner & Social Gathering (Athletic Field)

Saturday, May 18

8:00-9:45	NM SAR Council General Meeting (Business, Elections, Dawdy Award)
6:00-7:00	Guest Speaker - Park Ranger Philip N. Johnson
7:00-8:00	Special Dinner in Fidel Ballrooms

Sunday, May 19

8:00-11:00	NM Field Certification Exam
9:00-12:00	HAM Radio License Exam

See Program Schedule for Registration, Silent Auction, and all Meal Times

FIELD CERTIFICATION EXAM & PREP SESSION

***PLEASE NOTE:** There will be two opportunities to take a Field Certification Examination—see below.

Participants must provide proof of successful completion of the ICS-100 and ICS-200 (paper or digital copies). Information about the ICS-100, ICS-200, the Field Study Guide, The New Mexico SAR Act, and “What to Expect” during the examination is located on the New Mexico Search and Rescue Council’s website at <http://www.nmsarc.org/resources.html>.

Participants in the examination are also required to bring their complete field pack. This includes ALL items listed in Chapter 1, page 2 of Study Guide: Search and Rescue Field Certification (http://www.nmsarc.org/uploads/6/3/5/6/63569937/nmsar_field_cert_study_guide_3-1-16.pdf)

Failure to produce all listed items as described ends your participation in this Certification Session.

The Certification Examination has 5 sections and 50 questions covering Gear and Clothing, Communications, Safety in Search and Rescue, Search Techniques, and Map and Compass. A passing grade for each section is 70%. Failing two or more sections ends your participation in this Certification Session. If you fail only one section, then you will be allowed a makeup examination and must get at least 70% to pass the Certification Session.

*****Practice with your compass ahead of time and make sure to bring 2 writing instruments*****

FRIDAY

Time: 1:00-4:00 (3 hrs)

***FIELD CERTIFICATION EXAM**

Instructor: Tony Gaier

SATURDAY

Time: 1:00-5:00 (4 hrs)

NM FIELD CERTIFICATION PREP SESSION

Instructor: Tony Gaier

Description: This lesson will be a discussion on the contents of the New Mexico Field Certification Study Guide. It is designed to prepare you for the New Mexico Field Certification Examination and answer any questions you may have concerning field operations. You are welcome to bring any gear or clothing you would like checked for compliance with certification requirements.

SUNDAY

Time: 8:00-11:00 (3 hrs)

***FIELD CERTIFICATION EXAM**

Instructor: Tony Gaier

BASIC TRACK

FRIDAY

Time: 10:00-11:00 (1 hr)

GEAR & PACK CONSIDERATIONS

Instructor: Henrik Bo Pedersen

Description: This will be an open discussion on what and how to pack to be an effective first responder. Learn ways to lighten your load, multi-purpose items, and clothing to pack, along with other valuable considerations.

Time: 11:00-12:00 (1 hr)

ICS DEMYSTIFIED

Instructor: Zoe Havlena

Description: If you’re just starting in SAR, or recently completed the introductory incident command system courses, then it may seem rather confusing. ICS is chock full of terminology and acronyms. This course will break those down, put them in context, and show how they are applied to the SAR world.

Time: 1:00-3:00 (2 hrs)

FOUNDATIONS OF VISUAL SAR TRACKING

Instructor: Brian Foote

Description: Foundations of visual tracking will increase your value to missions as a searcher. Not all searchers need to be trackers, but all searchers must be clue and track aware. Gain a better understanding of tracking and enhance your ability to detect, record, communicate, and preserve human track evidence. All participants will complete practical hands-

on exercises to gain or improve skills critical for visual tracking of a subject. *No prior tracking experience is needed to attend, and all SAR specialties and incident management personnel are encouraged to participate.*

Time: 3:00-5:00 (2 hrs)

WINTER PREPAREDNESS

Instructor: Eric Krosche

Description: Review of clothing and gear used for backpacking and camping in winter conditions. The layering system (base, insulating and shell) for clothing will be explored in detail. The feature of fleece, down and synthetic fiber insulating layers will be covered. The importance of footwear and traction devices used in winter will not be overlooked. Gear topics include sleep systems, shelters and stoves as well as other equipment unique to cold weather conditions.

Time: 5:00-6:00 (1 hr)

COMMS FOR FIELD TEAMS

Instructor: Ron Nelson

Description: This class will teach team members practical communications starting with the basics of how to use a radio and ending with more advanced operating, including using repeaters for search and rescue missions. We will cover effective communication, use of radio equipment, recommended accessories, how to make contact, talking to another team, frequencies and channels, SAR repeaters, HAM repeaters and an overview of communications at incident base.

SATURDAY

Time: 10:00-12:00 (2 hrs)

MAP/COMPASS GPS CLASSROOM SESSION

Instructors: Damond Vigil & Terry Hardin

Description: This course will cover the fundamentals for understanding and using maps, your compass, and your GPS for use in SAR. You should always know how to navigate with your Map & Compass in case your GPS runs out of batteries or gets damaged. The exercises will give you practice reading and interpreting maps, relating the maps to the field using your compass, and interfacing between map and GPS in the field. *Please bring your Compass, Protractor, GPS, and spares for classmates. Having your GPS User Guide may also be useful.*

Time: 1:00-5:00 (4 hrs)

MAP/COMPASS GPS FIELD SESSION

Instructors: Damond Vigil & Terry Hardin

Description: A continuation of the morning session within the field practical applications. *Meet at Box Canyon, Highway 60,(34.006280, -106.993264). Please dress appropriately, bring water, and gear from the morning.*

SUNDAY - BASIC MEDICAL TRACK (No prior medical training/experience required)

Time: 8:00-9:00 (1 hr)

PATIENT ASSESSMENT

Instructor: Spenser Moreland

Description: Every patient encounter is based around an assessment. You can't treat anything without recognizing what the problem is. This class will go over physical assessments, vital signs, and history taking.

Time: 9:00-10:00 (1 hr)

ENVIRONMENTAL ISSUES

Instructor: Spenser Moreland

Description: The environment is what sets patient care in SAR apart. There's a lot more to consider and be concerned about. We'll go over insect and snake bites, heat and cold emergencies, and the effects of altitude.

Time: 10:00-11:00 (1 hr)

WOUND CARE & BLEEDING

Instructor: Spenser Moreland

Description: Blood, blood everywhere! Let's get that under control fast because blood does no good outside of the body. This class will go over bleeding control methods, different types of wounds, and wound care.

Time: 11:00-12:00 (1 hr)

FRACTURES & SPLINTING

Instructor: Spenser Moreland

Description: There's a variety of possible injuries that can happen with bones and joints. Some serious, some not so serious. But all matter to the SAR responder. We'll teach how to recognize some common injuries and how to treat and manage them safely and efficiently.

MEDICAL TRACK

FRIDAY

Time: 10:00-11:00 (1 hr)

FIRST AID KITS FOR SAR

Instructor: Spenser Moreland

Description: There's endless choices out there for medical gear and toys. What are some of these things? What's actually useful for SAR? What can serve multiple purposes? What's just a gimmick? Save some weight and space by coming to this class.

Time: 11:00-12:00 (1 hr)

MCIS/TRIAGE

Instructor: Brian Hamilton

Description: Responders can be quickly overwhelmed and resources easily over stretched during a multi-casualty event. This presentation will cover considerations for multi-casualty events, as well as the concepts of the MCI tools START Triage/JumpSTART Triage (Pediatric), and SALT Triage. Incident stress management will also be covered.

Time: 1:00-2:00 (1 hr)

RESPIRATORY PROBLEMS

Instructor: Brian Hamilton

Description: Respiratory compromise can rapidly become a life-threatening situation. This presentation will cover recognition, pathophysiology, and proper treatment of common respiratory conditions.

Time: 2:00-3:00 (1 hr)

AIRWAY SKILLS

Instructor: Brian Hamilton

Description: This presentation will cover the essentials of maintaining a patent airway. We will also discuss and demonstrate simple airway adjuncts, as well as the differences in supraglottic airway devices.

Time: 3:00-5:00 (2 hrs)

UNDERSTANDING AUTISM

Instructor: Bonnie Nuttall

Description: Increase your understanding of Autism Spectrum Disorder, as well as the specific risks and behaviors related to search and rescue. The class covers autism specific strategies to develop more effective techniques and tactics during SAR missions for individuals with ASD.

Time: 5:00-6:00 (1 hr)

SURVIVAL PSYCHOLOGY

Instructor: Maria McGrane

Description: Have you ever wondered why some people manage to survive against seemingly overwhelming odds while other people inexplicably die just when the going begins to get tough? Learn the science behind the body's response to a survival situation. Learn what factors make an individual more resilient, and how you can increase your own resilience. You will have an opportunity to discuss your own survival stories.

SATURDAY

Time: 10:00-11:00 (1 hr)

HEMORRHAGE CONTROL

Instructor: Dr. Andrew Burglund

Description: In this hour we will cover basic backcountry hemorrhage control as well as looking to the future for new drugs and techniques to help keep the red stuff where it belongs.

Time: 11:00-12:00 (1 hr)

SUCCESSFUL AIR-MEDICAL INTERFACE

Instructor: Dr. Doug Dixon

Description: An in depth look at different air medical resources available in the state, guidelines for utilization, Different types of extraction techniques, general hazards and safety concerns, as well as landing zone landing zone safety. Will also cover the hand off of a patient from SAR to a flight crew.

Time: 1:00-2:00 (1 hr)

PAIN CONTROL

Instructor: Dr. Doug Dixon

Description: Treating the injury is just part of the medical provider's job. Managing pain is often overlooked in the SAR setting. This class will look at a variety of techniques to provide patient comfort and acute pain management in remote settings and during prolonged patient care.

Time: 2:00-3:00 (1 hr)

SNAKE BITES

Instructor: Linda Lee

Description: Talking Pit Vipers. Not high mortality in USA but morbidity can be devastating. A review of the distribution of pit Vipers in New Mexico, the bite, the venom, First Aid, definitive treatment and prognosis.

Time: 3:00-5:00 (2 hrs)

HEAD TRAUMA

Instructor: Linda Lee

Description: A review of cranial anatomy and how different head injuries present. How the Glasgow coma Scale is used along with mini neurological exam to determine risk of significant head injury and determination of treatment and transport priorities.

Time: 5:00-6:00 (1 hr)

PROLONGED FIELD CARE

Instructor: Janet Johnson

Description: Case study: Overnight care of the patient on the summit of El Capitan after technical lower and raise, climber fall with bilateral lower extremity fractures. Discuss management of patient and rescuers during prolonged extrications or overnight rescues.

SUNDAY

Time: 8:00-9:00 (1 hr)

EXTREMITY TRAUMA

Instructor: Janet Johnson

Description: We will review the most common extremity injuries seen on the trail and the goals of splinting and assessment of injury. We will discuss available splinting material (and improvising) along with practice time applying splints.

Time: 9:00-10:00 (1 hr)

CISD AND MENTAL HEALTH

Instructor: Dr. Landon Vinson

Description: This course will focus on the importance of mental health maintenance and awareness among prehospital providers, as well as common myths associated with this topic. Finally, we will dispel the myths surrounding this with evidence-based medicine available on this topic and discuss the importance of incident debriefing as a useful tool.

Time: 10:00-11:00 (1 hr)

COLD INJURIES

Instructor: Clint Kalan, PA

Description: Hypothermia and other cold injuries are frequently encountered in SAR. Being able to quickly and accurately recognize them is important for both patients and for SAR responders developing a treatment and rescue plan. This class will teach how to recognize and develop a basic approach to the spectrum of cold injuries seen in the SAR setting.

Time: 11:00-12:00 (1 hr)

HYPERTHERMIA

Instructor: Dr. Jenna White

Description: Beat the heat! Learn to recognize and treat the signs and symptoms of heat illness, and how to protect mission subjects (and yourselves!) from the extreme heat in New Mexico.

MANAGEMENT TRACK

FRIDAY

Time: 10:00-12:00 (2 hrs)

K9 TASK ASSIGNMENTS

Instructors: Art Fischer & Mary Walker

Description: This course is designed to help incident management personnel optimize the effectiveness of canine resources for a SAR mission. During the first hour, we will review the types of canine resources and how they can best be utilized for SAR missions. In the second hour, we will apply this knowledge using search scenarios where small groups of students will create task assignments for canine teams followed by a group discussion.

Time: 1:00-3:00 (2 hrs)

UAS ASSIGNMENTS & LEGALITIES

Instructors: Peter Dickson & Bob Baker

Description: This class introduces the requirements associated with integrating small, unmanned aircraft systems (sUAS) into search missions. It covers the applicable regulations, both Federal and State, operational considerations, mission planning and Incident Command responsibilities, and provides recommendations for getting the most effective results.

Time: 3:00-4:00 (1 hr)

THE BORING MISSION

Instructor: Justin Spain

Description: This session will further the IMT's awareness of the needs and common barriers advanced medical and technical teams encounter in remote settings. Participants will gain the knowledge and tools that will enable staff to be proactive as they lead these critical incidents. These proactive efforts are instrumental in completing the mission and their early recognition of medical and technical support needs will keep boring and calm despite the critical nature of these incidents.

Time: 4:00-5:00 (1 hr)

ATAK PROGRAM DEMO

Instructor: Justin Spain

Description: Following recent large natural disasters, the Android Tactical Awareness Kit (ATAK) was released by the Department of Defense for civilian use. This session will demonstrate the uses of this software package for live tracking, data sharing, and communications between field resources and incident command via cell and radio networks. You will learn its capabilities, how to get it, and see real world examples of its use in New Mexico.

Time: 5:00-6:00 (1 hr)

MOCK MISSIONS

Instructor: Spenser Moreland

Description: Mock Missions are a great training tool and can serve many purposes. But they need to be planned and conducted with clear objectives and purposes in mind. This class will discuss the planning process and then review several recent mock missions.

SATURDAY

Time: 10:00-12:00 (2 hrs)

ORDERING MANAGER TRAINING

Instructor: Uli Blann

Description: FCs claim the addition of the On-Call Ordering Manager (ORDM) has been the biggest improvement to NMSAR in a long time. This class will cover what it takes to fill this vital role: duties and responsibilities, tips and tricks, and helpful resources. Most of this session will focus on practice scenarios to familiarize participants with the resources available throughout NM, and the process of activating and coordinating those resources. *Laptops or tablets with internet access are recommended, but not required.*

Time: 1:00-2:00 (1 hr)

PREVENTATIVE SAR

Instructor: Philip N Johnson

Description: The purpose of a PSAR program is to provide education regarding hazards, appropriate equipment, and assist with planning to outdoor enthusiasts in a specific environment. The ultimate goal is to decrease related SAR incidents. This introduction to PSAR will provide an operational overview of the Yosemite National Park PSAR Program. We will talk about the history, staffing, efficacy, and financial support of Yosemite's program.

Time: 2:00-3:00 (1 hr)

RESPONDER STRESS INJURY

Instructor: Philip N Johnson

Description: The effects of stressful events in our careers as first responders can lead to cumulative effects. We will be presenting an overview of the growing field of treatment and mitigation of Stress Injuries and how these are being specifically applied for members of YOSAR. This training includes understanding of stress injury formation, reactions of stress and tools to prevent and support injuries from occurring.

Time: 3:00-5:00 (2 hrs)

HEURISTICS IN SAR

Instructor: Marc Levesque

Description: Heuristics are mental shortcuts we use in our everyday life. They work most of the time, but not always. The first part of this session will explore how "heuristic traps" lead some people to becoming SAR subjects. The second part will explore how to develop "heuristic helpers" for search management.

Time: 5:00-6:00 (1 hr)

COMMS FOR INCIDENT BASE

Instructor: Ron Nelson

Description: This class provides SAR Incident Management Team (IMT) members and Incident Base Communications staff with real-world situations and examples of the challenges and issues that arise in communications in wildland search and rescue missions. Communications with field teams, with other agencies, and within the IMT are covered. The role of the radio operator and the value of situational awareness will be stressed. The communication log and information transfer to the IMT as well as technical details and "best" operating practices, and safety and privacy issues are discussed. The presentation will conclude with some emerging technologies and their potential applications.

SUNDAY

Time: 8:00-9:00 (1 hr)

CELL PHONE FORENSICS

Instructor: Bob Baker

Description: Discussion of digital data sources – Cell Phones, ELTs and PLBs – that can be used to help Incident Managers narrow their search area. This class looks at the application of cell phone forensics to identify the subject's last known point. It addresses the process IMTs should use to obtain the data. The class addresses the use of cell phone forensics in conjunction with other data sources like ELTs and PLBs.

Time: 9:00-10:00 (1 hr)

TEAM ADMIN & FUNDRAISING

Instructor: Aimee Adamek

Description: This will be an open discussion on ways to organize, manage, and maintain a SAR team; including various ideas for fundraising. Let's discuss what works for teams and share that knowledge in order to improve our SAR business!

Time: 10:00-12:00 (2 hrs)

AIR OPERATIONS OVERVIEW

Instructor: Larry Zentner

Description: This course is an AOBD refresher. AOBD duties include understanding of aviation, managing clues, air-to-ground communications, Federal Aviation Administration (FAA) aerospace management, aircraft (A/C) scheduling, flight planning, weather, flight release, completion of various aerospace sortie tracking command; control systems, aircrew briefings; debriefings, and forms management.

ADVANCED TRACK

FRIDAY

Time: 10:00-12:00 (2 hrs)

DIRECTION FINDING/ELT

Instructor: Michael Eckert

Description: The course will consist of classroom and practical training on direction finding (DF) techniques and various types of DF units used by New Mexico Civil Air Patrol. An overview, along with pros & cons, on each piece of equipment will be discussed. Following the classroom summary, practice ELT and PLB beacon will be hidden outside and students will be given the opportunity to use the DF equipment to locate the beacons. Direction Finding Equipment: LH-16 L-Tronics; LL-16 L-Tronics; Seimac ProFIND. No prior experience necessary. *Attendees are encouraged to bring their team or personal DF receivers and equipment to use in this class.*

Time: 1:00-3:00 (2 hrs)

LOST PERSON BEHAVIOR FOR THE SEARCHER

Instructor: Marc Levesque

Description: Introductory elements of the full Lost Person Behavior Course tailored for application by field searchers. Topics include an introduction to the book *Lost Person Behavior* by Robert Koester, lost person statistical data, and information to aid searchers in the field.

Time: 3:00-5:00 (2 hrs)

DEATH SCENE PRESERVATION

Instructor: Dzejuan Shields

Description: At the end of this block, you will be able to demonstrate: A knowledge of the 4 primary concerns when responding to a crime scene, knowledge of the three scene protection priorities when securing a scene, and knowledge of how to protect the scene from further contamination after it is secured.

Time: 5:00-6:00 (1 hr)

DEATH SCENE PHOTOGRAPHY

Instructor: Dzejuan Shields

Description: The goals of the class are to take a photograph that is admissible in a court of law. We will identify the elements of a good, technical photograph. We will go over the three-step approach to photography, how to properly compose a photograph, and how to photograph specific items of evidence.

SATURDAY

Time: 10:00-12:00 (2 hrs)

UAS CLASS & FIELD SESSION

Instructors: Peter Dickson & Brad Berry

Description: As the use of small, unmanned aircraft systems (sUAS) in search and rescue continues to grow, an understanding of the regulatory framework, operational constraints and available methods becomes increasingly important. This class presents the basic information needed for sUAS participation in SAR, and introduces some of the effective search techniques, with both a classroom and field component.

Time: 1:00-3:00 (2 hrs)

AIRCRAFT MISHAPS

Instructor: Bob Baker

Description: Discussion of factors and considerations for SAR responders in dealing with aircraft accidents. This class looks at those factors that ICs, Section Chiefs, and Team Leaders should consider when encountering aircraft crash sites on SAR missions. Specifically, you will learn how to remain safe at crash sites and how to preserve evidence while accomplishing rescue operations.

Time: 3:00-5:00 (2 hrs)

FOUNDATIONS OF SIGN CUTTING

Instructor: Brian Foote

Description: Sign cutting is used to determine a starting point to begin tracking. Though usually associated with the onset of the mission; it is also critical to reduce the gap between trackers and subject, to reestablish the subject track in difficult terrain, or to determine direction of travel any time new evidence is found. Foundations of Sign Cutting will help trackers understand the discipline and methodology necessary to cut for sign. Participants will identify effective situational sign cutting techniques and interpret sign in the field at scenario stations. Participants should have some prior, basic visual tracking experience and come prepared to walk a short distance to the field stations.

Time: 5:00-6:00 (1 hr)

HOW TO BE K9 FIELD SUPPORT

Instructor: Rebecca Penn

Description: K9 handlers sometimes arrive at incident base without field support. This often results in the K9 handler being paired with a person who may not have much experience in field supporting a dog team. This presentation will provide an overview of the basics you'll want to know in this situation so that you're better prepared to help out with this type of assignment.

MAPPING

FRIDAY

Time: 10:00-12:00 (2 hrs)

SPATIAL REFERENCE SYSTEMS

Instructor: Marc Levesque

Description: In this course, we will explore spatial reference systems, with emphasis on the importance of such systems for SAR, coordinate systems (e.g., Geographic vs. UTM), datums (e.g., WGS 84 vs. NAD 27), coordinate formats (e.g., degrees minutes decimal seconds vs. decimal degrees), and the proper communication of coordinates. Map and GPS exercises will be embedded throughout the course to drive home key ideas.

Time: 1:00-3:00 (2 hrs)

ORIENTEERING WITH MAP & GPS

Instructor: Michaela Buenemann

Description: This hands-on course will allow participants to practice and improve their GPS and map use skills in the field. Participants will be challenged to navigate to mapped locations using their GPS unit, plot waypoints on a map, determine locations using different spatial reference systems, and more. The course will offer separate introductory- and advanced-level exercises. *Participants are encouraged to bring their own GPS although some will be available.*

Time: 3:00-5:00 (2 hrs)

REMOTE SENSING FOR SAR

Instructor: Michaela Buenemann

Description: In this course, we will explore how aerial imagery and other remote sensing data can be used to support SAR missions, with emphasis on image acquisition (e.g., via UAVs) and analysis (visual and automated). Hands-on exercises will be embedded throughout the course to drive home key ideas.

Time: 5:00-6:00 (1 hr)

GAIA GPS

Instructor: Henrik Bo Pedersen

Description: Millions of people worldwide use Gaia GPS maps to backpack, hike, hunt, camp, ski, and explore the backroads. Learn the basic features and settings important to using Gaia GPS in Search & Rescue.

SATURDAY

Time: 10:00-12:00 (2 hrs)

GIS FOR SAR – PART I

Instructor: Michaela Buenemann

Description: This all-day hands-on workshop introduces participants to the use of Geographic Information System (GIS) technology for SAR and will be of particular interest to those interested in the planning aspects of SAR missions. Prior GIS experience is not required to participate in the training. Software and training materials will be provided.

Participants need to bring their own laptops with Windows OS installed.

Time: 1:00-5:00 (4 hrs)

GIS FOR SAR – PART II

Instructor: Michaela Buenemann

Description: This all-day hands-on workshop introduces participants to the use of Geographic Information System (GIS) technology for SAR and will be of particular interest to those interested in the planning aspects of SAR missions. Prior GIS experience is not required to participate in the training. Software and training materials will be provided.

Participants need to bring their own laptops with Windows OS installed.

TECHNICAL TRACK

FRIDAY

Time: 10:00-11:00 (1 hr)

VIEW FROM ABOVE

Instructor: John Taylor

Description: This section is intended to be an overview of high-angle technical rope rescue. The student will gain an overview of the “systems” that are used, roles and responsibilities of the various team-members during a technical rescue, terminology, safety aspects, and the equipment used. In subsequent sections, students will get to experience each sub-system in more detail.

Time: 11:00-12:00 (1 hr)

SYNERGY

Instructor: John Taylor

Description: Instruction of Technical Rescue System communication protocol specific to the locus of control and individual technician roles. Attendees will apply communication protocol while participating in a mock subject extraction.

Time: 1:00-2:00 (1 hr)

LET’S GET KNOTTY

Instructor: David Price

Description: What is there to say? We’ll go over knots and hitches that are useful for a SAR toolbox, mountain technical rescue in particular. We’ll discuss ups, downs, how to prevent inside-outs and unusual applications of them in the field. In particular, those used in anchoring, tying off and progress control.

Time: 2:15-4:00 (2 hrs)

ANCHOR’S AWAY

Instructor: Erik Lehnoff

Description: Rock solid (so to speak) anchors are crucial for many aspects of a technical rescue. In this course we will discuss anchor selection and learn how to build single and multi-point anchors to be used in rescue situations. After completing this session, students will be able to not only build quality anchors, but also know how to critically evaluate them.

Time: 4:15-6:00 (2 hrs)

HAULING ASS/LOWERING BUTT

Instructor: Bob Cort

Description: This section will focus on building and using “mechanical advantage” systems (pulley systems) to safely raise a rescue package up a cliff, and the descent control devices used to safely lower a rescue package down. This is a hands-on class, but no-one goes “over the edge” (until Sunday). The student will get to build and operate pulley and descent control systems with a simulated rescue load.

SATURDAY

Time: 10:00-12:00 (2 hrs)

DEFYING GRAVITY/FRICTION IS OUR FRIEND

Instructor: David Price

Description: We are going to get personal with the rope and go over how to safely and efficiently travel on rope when you don't have a team hauling you. Emphasis will be on climbing and transitioning between rope(s) safely.

Time: 1:00-4:00 (3 hrs)

TUMBLE NOT FIELD SESSION

Instructors: Bob Almond

Description: This is not a Knot class! We will go out in the wilds of Socorro and practice how to safely get up and down steep and slippery stuff, as well as when to say "we need to find another way." Learn all sorts of ways to use that 20 ft. of webbing that is required in your SAR pack! Learn how to not tumble down into the Cholla and Cats Claw.

Time: 4:15-6:00 (2 hrs)

DOWN WITH CONTROL

Instructors: John Taylor

Description: Instruction of descent control methods including Rappelling techniques. Attendees will participate in lowering themselves from a higher elevation to a lower elevation on various inclines utilizing ropes and descent control devices. Participants will learn how to completely stop their descent and go hands free.

SUNDAY

Time: 8:00-12:00 (4 hrs)

SUBJECT EXTRACTION – FIELD SESSION

Instructors: OMTRS

Description: This "Hands-on" Field Exercise will demonstrate all of the pieces of the puzzle being put together in a simulated high-angle rope extraction. Students will be afforded the opportunity to be as involved as they would like (including going over the edge). Hopefully, questions will be answered by seeing it all work together. *We will be out in the field; students should bring their SAR pack, snacks, water, etc. If you own a harness/helmet/gloves, bring them, otherwise, the team has loaners.*

CANINE TRACK

FRIDAY

Time: 10:00-12:00 (2 hrs)

SWGDOG GUIDELINES

Instructor: Dayna Dominguez

Description: From Guidelines to Standards: K9 Teams all Barking to the Same Tune: SWGDOG began the diligent work of setting up best practice guidelines for canine detectors. Now the OSAC Dogs and Sensor Subcommittee is currently developing those guidelines into scientifically validated standards. This class will discuss how these standards can assist K9 handlers. By using the same tools and terminology we can create unity across K9 teams and agencies providing an enhanced operational method, improve our training, and deliver a reliable resource to SAR and agency Operations.

Time: 1:00-5:30 (4.5 hrs)

K9 FIELD WORK (HR & AREA: FOR BASIC LEVEL)

Instructors: Kimberly Kelly (HR), Chuck Melvin (Area)

Description: Basic level field canine exercises structured around the type and number of canine handlers that participate. The plan is for rotation between multiple stations, each with a proctor to work with the handler individually. One station will be individual problem solving with an experienced handler. Observers welcome.

This field session will take place on BLM land approx. 10 mins drive from campus.

SATURDAY

Time: 10:00-12:00 (2 hrs)

K9 FIRST AID

Instructor: Mary Berry

Description: This is a 2-hour class to discuss the various canine medical conditions a dog handler may be faced with while in the field on a mission, or in training. Common conditions will include lacerations, ear injuries, paw injuries, heat exhaustion, fractures, and snake bite, to mention a few. Bandaging techniques will be discussed and demonstrated. Participants are encouraged to bring their dog to practice on during the class.

Time: 1:00-5:30 (4.5 hrs) **K9 FIELD WORK (HR & AREA: FOR ADVANCED LEVEL)**

Instructors: Kimberly Kelly (HR), Chuck Melvin (Area)

Description: Advanced field level exercises structured around the type and number of canine handlers that participate.. The plan is for rotation between multiple stations presenting microclimate driven scent scenarios to the K9 while handlers observe and improve their skills in reading the canines and understanding scent behavior. Each station will have a proctor to work with the handler individually. Observers welcome.

This field session will take place on BLM land approx. 10 mins drive from campus.

SUNDAY

Time: 8:00-12:00 (4 hrs) **K9 FIELD WORK (TRACKING/TRAILING: ALL LEVELS)** **Instructor:** Cindy Oliver

Description: Bring your dog, a harness, and a long leash for a morning of trailing. We will do some motivational tracks, work on scent discrimination, problem solving, reading your dog's behavior on and off track, and do a little cent theory. If time permits, we will do some longer tracks as well. Mostly we will have fun.

This field session will take place on BLM land approx. 10 mins drive from campus.

VEHICLE TRACK

SATURDAY

Time: 10:00-12:00 (2 hrs) **VEHICLE RECOVERY & TROUBLE SHOOTING**

Instructors: Tyler Mobraten & Zoe Havlena

Description: This hands-on course teaches safe practices when working around vehicles, and will teach the basics of vehicle recovery for when things go sideways. We will demonstrate safe anchor points on vehicles, how to safely use recovery equipment, and basic general troubleshooting tips. *Will be held at NMT Mud Bog field, west of campus (34.080144, -106.922720). No personal vehicle necessary for this course.*

Time: 1:00-2:00 (1 hr) **VEHICLE PREPAREDNESS** **Instructor:** Tyler Mobraten

Description: This classroom session takes you through the basics of using your vehicle in the backcountry, both on and off road. It will cover what sort of vehicles can be useful for SAR, the difference between 4WD and AWD, supplies and recovery equipment to carry, and how to mitigate common vehicle issues.

Time: 2:30-5:30 (3 hrs) **VEHICLE BASED SEARCHING**

Instructors: Tyler Mobraten & Zoe Havlena

Description: Is search from a vehicle as easy as it sounds? What about determining a probability of detection from a vehicle? In this field session, we'll work through several small search scenarios to find out what the truth is and explore the advantages and drawbacks of vehicle based searching. *Will be held at location east of Socorro (meet at Escondida lake parking lot, 34.120512, -106.890448). Any AWD, 4WD, or high clearance vehicle is welcome. If you don't have a vehicle or don't want to use yours, come be a searcher/spotter.*

SURVIVAL TRACK

Overview: These basic survival classes are designed for the SAR responder while out in the field. Bring your SAR pack to find out if you have the gear to keep yourself alive in a survival situation. Attendees are highly encouraged to participate in hands on instruction.

SUNDAY

Time: 8:00-9:30 (1.5 hr) **SHELTER BUILDING** **Instructor:** Jason Hill

Description: This is an introductory class of basic skills for building an improvised shelter. (30 min. classroom instruction/1 hr hands on)

Time: 9:30-10:30 (1 hr)

WATER GATHERING

Instructor: Jason Hill

Description: This is an introductory class of basic skills to locate and filter water. (30 min. classroom instruction/1 hr hands on)

Time: 10:30-12:00 (1.5 hr)

FIRE MAKING

Instructor: Jason Hill

Description: This is an introductory class of basic fire skills. Participants will learn a variety of tools and techniques for starting a fire. (30 min. classroom instruction/1 hr hands on). *Be advised! We will be required to drive/carpool to a nearby location in the mesa to practice fire-making skills.*

CPR, HAM EXAM, HELICOPTER SESSION

SATURDAY

Time: 2:00-5:00 (3 hrs)

AHA HEARTSAVER CPR/AED

Instructor: Alex Howell

Description: This is a certified Basic Life Support (BLS) course offered by the American Heart Association (AHA). All attendees will not only be certified in BLS CPR/AED, but also receive proof of certification in the form of an E-Card that will show certification good for 2 years.

SUNDAY

Time: 8:00-11:00 (3 hrs)

AHA HEARTSAVER CPR/AED

Instructor: Alex Howell

Description: This is a certified Basic Life Support (BLS) course offered by the American Heart Association (AHA). All attendees will not only be certified in BLS CPR/AED, but also receive proof of certification in the form of an E-Card that will show certification good for 2 years.

Time: 8:00-9:00 (1 hr)

HAM EXAM Q&A TIME

Instructor: Ron Nelson

Description: This one-hour period is dedicated to answering questions you may have regarding specific items from the question pool.

Time: 9:00-12:00 (3 hrs)

HAM EXAM

Evaluators: Ron Nelson

Description: All classes, the Technician, General and Amateur Extra license exams will be available. If you did not indicate on the ESCAPE Registration Form that you might take the exam, please contact Ron Nelson (NR5ON@arrl.net) as soon as possible.

To take the exam you will need:

- 1.) a fee of \$15.00 payable by cash or by check made out to the "ARRL VEC",
 - 2.) a picture ID or 2 other forms of ID, and
 - 3.) your social security number (for exam paperwork), or an FCC issued Federal Registration Number (FRN) available at <https://apps.fcc.gov/coresWeb/publicHome.do> may be used instead of your social security number.
-

Time: 8:00-12:00 (4 hrs)

HELICOPTER SAFETY & LANDING ZONES

Instructor: Jessica Perez

Description: This class spends a short time in the classroom with basic information of when and what information is needed to launch a helicopter, how to prepare your landing zone, radio communications, and how to keep your scene safe. We will do a short tabletop exercise. We will move outdoors and put our knowledge to work by participating in hands on exercises with scenarios to include setting up your landing zone, landing the helicopter, patient care and packaging for flight, and loading the patient in the helicopter. *Will start in the classroom, the move to field session near Socorro. Must sign up in advance. Field certification, eye protection, and ear protection required. K9's are not able to participate. Limited to 14 people.*

INSTRUCTOR BIOGRAPHIES

(Alphabetized by Last Name)

Aimee Adamek is a current Rescue Leader with Atalaya Search & Rescue and been involved with SAR for over 12 years. She is Field Certified, maintains a CPR-BLS certification, is a Wilderness First Responder, and has taken two separate week long courses of "Rigging for Rescue." She has experience with all facets of team management holding all officer positions over the years, created the team's annual team fundraiser, and is currently the ESCAPE Chair for NMSARC.

Bob Baker has been with NM SAR for the past 16 years. He is a member of Cibola SAR and NM SAR Support Team. He is a Field Coordinator/Incident Commander in District 5 and is an Area Commander. He is an Air Force Aircraft Mishap Investigator and Safety Engineer.

Dr. Andy Berglund is a paramedic and emergency medicine physician at the University of New Mexico. His professional interests include tactical and austere medicine. When he isn't working, he enjoys camping with his family, mountain biking, and snowboarding.

Mary Berry, DVM has been a veterinarian since 1984 and in SAR for almost that long. She founded Sandia Search Dogs and has certified dogs in trailing, wilderness and urban (NMTF-1) air scent, and human remains detection. Experiencing all those dog training disciplines has shown her the health risks SAR dogs are exposed to, and how important it is to mitigate those risks. Currently she is working "Taz" and "Indy", both yellow Labradors, in air scent and HRD.

Uli Blann - After living in and traveling throughout the world, Uli settled in Las Cruces, NM. In 2008 she joined Search & Rescue, and while actively involved in OMTRS, she obtained training in multiple incident base and other SAR roles, and received the 2015 Ralph Dawdy Memorial Award. By the end of 2018, Uli had responded to almost 50 missions, and coordinated resources for nearly 100 more; sometimes juggling 3 missions simultaneously.

Henrik B. Pedersen has been a member of Santa Fe Search & Rescue for over 6 years, currently serving as a ground pounder and field team leader. He has served as Vice President and Training Officer, as well as on various Committees, such as Field Team Leader, Mapping, and First Aid Oversight. Outside of SAR he enjoys hiking, backpacking, and scuba diving and is an all-around gear head.

Michaela Buenemann is currently a member of Doña Ana Search and Rescue (DACSAR). She has served as the NMSARC Mapping Program Coordinator and has been active in NM SAR since 2011.

Robert (Bob) Cort first became involved in search and rescue as a volunteer junior Ski Patrolter at Pajarito Mountain (Los Alamos, NM) in 1979. He has been a member of the Organ Mountain Technical Rescue Squad (OMTRS) in Las Cruces since 2008 (ish), and holds certificates of training from Rigging for Rescue (Ouray, CO), Strike Rescue (Albuquerque, NM), and Sierra Rescue (Truckee, CA). He is the current OMTRS Training Coordinator. He is a past NMSARC Board Member, and past OMTRS Team Captain. He considers himself to be a mountaineer, an avid skier, mountain biker, hiker, and a pretty poor rock climber.

Peter Dickson has been active in New Mexico Search & Rescue since 1998, initially as a member of the Pajarito Mountain Ski Patrol SAR team, later as a Section Chief and, since 2004, as a Field Coordinator. He is currently an NM SAR Area Commander, New Mexico Search and Rescue Review Board member, and Part 107 certified UAS pilot.

Douglas R Dixon, MD, FACEP, DIMM. I have been working at UNM for 6 years now. I am primarily at EMS and Flight Physician working for the UNM EMS consortium. I have a focus towards the Enchanted circle where I am the Medical Director for Taos County, Angel Fire FD and now Taos Search and Rescue. The best parts of my job are working in rural northern NM and as faculty with the Mountain Medicine Program.

Dayna Dominguez has been in SAR for 7 years and is an active member of Sandia Search Dogs and Colorado Forensics Canines. She has trained and deployed dogs in venues from trailing to disaster. Currently, she works two K9s in area live find and human remains detection. Dayna is NASAR SARTech II certified and her dogs have certifications in NASAR Area 2, NAPWDA Cadaver, and formerly FEMA Disaster Live Find.

Michael Eckert has been part of the New Mexico Civil Air Patrol for 12 years and serves at the Wing's Emergency Services Ground Training Officer. Qualifications include Ground Branch Director, Ground Team Leader, Mission Radio Operator and Urban Direction Finding.

Art Fischer has been a search and rescue volunteer in NM since 1999 as a member of Sandia Search Dogs and Cibola Search and Rescue and has responded to numerous missions during this time. He is experienced in training dogs for live find air scent work and for human remains detection and currently has a 6 year old border collie certified in these two disciplines.

Brian Foote joined Dona Ana County Search & Rescue in 2003. He began tracking that same year during team exercises. He has been a team officer since 2008 and he began training with professional tracker Fernando Moriera in 2012. He has completed 100 hours of training with Fernando. Brian has taught tracking at team trainings for the last 10 years and also organized and facilitated two New Mexico SAR Tracker camps. He is working to renew his Sign Cutter certification this year under Fernando's Professional Tracking Services. Brian was a teacher and coach for ten years and is a retired federal employee who stays busy with hiking, traveling, SAR, and remodeling jobs.

Tony Gaier grew up in Montana and Texas and has lived in New Mexico for 30 years. He spent 23 years in the United States Air Force as a Flight Engineer on several types of Search and Rescue Helicopters. During his career in the Air Force, he participated in multiple search and rescue missions. He's currently a member of Cibola SAR and NM SAR Support Team. He has been with Cibola for just over 19 years and NMSARST for 4 years. He has participated in 100+ missions for the State, became a licensed HAM radio operator, Field Team Leader, Operation Section Chief, Planning Section Chief, Logistics Section Chief, Safety Officer, and Field Coordinator. He's also the NMSAR Policy Advisory Committee on Education Chair.

Brian Hamilton is a full time medical Uber operator (critical care paramedic) and mind molder of future "ambulance drivers" and "hose rollers" (EMS Instructor at DACC-NMSU). He has nearly two decades of experience at assisting those in need in the NM wilderness. He is also vastly experienced in the utilization of SAR techniques for the rescue of future Darwin Award Winners and Texans. Also, a Sam's Club Plus member and amateur foot model.

Zoë Havlena got roped into SAR soon after moving to New Mexico. Almost six years later, she is currently serving as the president of Socorro SAR. Because working on a PhD wasn't enough for her, she also let herself be talked into becoming a field coordinator trainee. She can typically be found conducting research in a cave, crushing the spirits of freshmen, or off roading on a trail somewhere.

Carlos Jeffrey Herrera was born and raised in Santa Fe. I have been with the New Mexico State Police coming on 7 years now, being stationed in Espanola (Patrol), Santa Fe (Recruiting) and now the full time Crime Scene Team. Prior to working for New Mexico State Police, I worked in Los Alamos as a Security Police Officer at the plutonium facility. I also served for 7 years active duty in the U.S. Navy as a Helicopter Anti-Submarine warfare, Combat search and rescue crewman/swimmer.

Jason Hill has been a member of Cibola SAR for 7 years and currently does public relations for the team. He is an Army Veteran and enjoys outdoor activities. He is a television and movie actor and hosted the TV show *No Joke Survival*, where he taught preparation and basic survival skills.

Alex Howell has been practicing Critical Care Paramedicine for over 12 years in the pre/out of hospital setting both for a Air Ambulance Helicopter here in New Mexico and in the military overseas in Afghanistan and East Africa as a Pararescueman. He's been teaching CPR for over 8yrs and has a passion for the complex world of Search and Rescue environments.

Janet Johnson has been a nurse for more than 20 years and served in the Peace Corps in the South Pacific. She discovered Wilderness Medicine upon arrival to Yosemite to rock climb in 2003. She has worked for YOSAR since that time, participating in more than 80 SAR incidents and climbing El Capitan five times. Janet lives in Yosemite with her husband, a park ranger, and her two children.

Philip N Johnson has performed search and rescue for the National Park Service since 2002. He is currently a Supervisory Law Enforcement Ranger in the Valley District of Yosemite National Park and a senior member on the Yosemite Helicopter Rescue Team. He has participated in over 300 SAR missions to include over 50 helicopter rescues. He is a two-time recipient of the Department of Interior Valor Award. Philip spent the bulk of his college career rock climbing which prepared him for his 3 years volunteering for YOSAR from 2002-2004. This volunteer time launched his career as a Park Ranger. Philip loves to spend time climbing, hiking, skiing and drawing with his wife and two children in Yosemite Valley.

Clint Kalan, PA-C is a physician assistant and runs a residency for PAs in emergency medicine at UNM. He has been

involved in SAR since age 15, beginning in New Mexico and then subsequently with the National Park Service at Grand Canyon National Park. He enjoys exploring new locales by headlamp.

Kimberly Kelly retired SAR specialist for San Diego Sheriff's Department, is a canine handler with K9 Search & Rescue Team Inc, and the commander and operational field specialist with 1st Special Response Group responding nationally and globally. Recognized for award winning publications and film on the subject of Alzheimer's and other search related topics.

Eric Krosche is a retired metallurgical engineer. He has lead and participated in several backpacking trips during winter conditions that include Mt. Washington (6290 ft) in NH, Wheeler Peak (13159 ft) in NM, Mt. Shasta (14180 ft) in CA, Mt Rainier (14410 ft) in WA, Island Peak (20300 ft) in Nepal, Cerro Aconcagua (22840 ft) in Argentina, Denali (20310 ft) in Alaska, and Mt. Kilimanjaro(19341 ft) in Tanzania.

Linda Lee is nationally certified as a Family Nurse Practitioner and Physician Assistant. An alumni of UC Davis of California, she holds a Masters in Physician Assistant Studies with an added certificate in Emergency Medicine. Her professional life has followed her passion for wilderness and mountains. She joined the Wilderness Medicine Society in 2006 and received her FAWN (Fellow of the Academy of Wilderness Medicine) in 2009.

Erik Lehnhoff has been solidly anchored (physically if not mentally) since he first began rock climbing over 20 years ago. He has been involved with technical rescue for three years since joining OMTRS. When not training for search and rescue, he can usually be found climbing or mountain biking somewhere in the desert southwest (oh yeah, and sometimes working).

Marc Levesque is an Area Commander with New Mexico State Police Search and Rescue. He is also an Adjunct Faculty Member at Western New Mexico University, where he teaches SAR courses and serves as faculty advisor to the Mustang SAR team.

Maria McGrane MD first became involved in SAR as part of the Sheriff's Department Dive Rescue team while practicing as a Family and Emergency Medicine Physician in Eastern Pennsylvania. Later she completed a Residency in Psychiatry and moved to Colorado where she served as Medical Director of a suburban Denver Mental Health Center. She has a particular interest in trauma and PTSD and has worked a large EAP group serving first responders, as well as with Veterans through the VA. Today she is an Active Member of Atalaya SAR and Santa Fe SAR and is certified in Wilderness Advanced Life Support.

Chuck Melvin of Dolores, Colorado has over 35 years with K9 Search & Rescue Team Inc, training canines and responding in 12 + states. He responds internationally with 1st Special Response Group, and is an evaluator and former VP for NASDN. His presentations have included K9 and emergency topics at state & national conferences. He is a NASAR WEC, Intro to Tracking, FUNSAR, & MLPI instructor and SARTEC II evaluator. He has published widely in peer reviewed journals.

Tyler Mobraten will talk your ear off about Land Rovers, radios, Land Rovers, off roading, and Land Rovers. He has been an active member of Socorro SAR almost four years, but is still prone to fainting at the mention of blood. On missions, he can be found driving either a Prius or Land Rover, depending which is currently operable.

Spenser Moreland is a Nationally Registered Ambulance Driver. He enjoys listening to meth users go on about alchemy and Russian mind control. In his rare down time, he likes spending koala-ty time with his dog and hardening his arteries with frequent chicharron burritos. On occasion, he is found doing paperwork for SAR missions or scheming up some wild training.

Ron Nelson (NR50N) began in search and rescue nine years ago, and has spent time in vehicles, trailers, and tents providing communication support for numerous missions in northern New Mexico. He holds an Amateur Extra class Ham license since 2012 and is an ARRL Volunteer Examiner. Ron is committed to improving communications and the practical and effective use of technology in SAR. He and his son Erik currently serve on the NMSARC Board. Ron has lived in northern New Mexico for 32 years and enjoys hiking, mountain biking, skiing and snowboarding. He has experience with computers, electronics, and neutron research and stays involved with the lab.

Bonnie Nuttall is an Occupational Therapist in Albuquerque Public Schools as well as a member of AMRC. She has worked in the schools with students on the Autism Spectrum for the past 18 years and has participated in Search and Rescue for 2 years. In her free time she volunteers to teach adaptive sports including skiing, snowboarding, and rock climbing through Adaptive Sports of New Mexico and has presented trainings on working with athletes with Autism as well.

Cindy Oliver has been involved in NM search and rescue for 16 years. She has trained several dogs in a variety of search methods, including air scent and cadaver/human remains. Her passion is training dogs for trailing. She has participated in many trailing seminars in New Mexico, Colorado, and Arizona. In the past, Cindy was a member of the NMSARC board for three years. Cindy continues to love being involved in search and rescue with her canines.

Bob Almond has been slipping, sliding and tumbling up and down mountains for over 30 years. Many different continents with all sorts of terrain have heard his cries of pain and taken away parts of the seat of his pants. OMTR has put up with him since 2005 as a member, Team Leader, Training Coordinator, Officer and Board of Director. He has participated in Rigging for Rescue and Strike Rescue training.

Rebecca Penn has been a member of Sandia Search Dogs and Mesilla Valley SAR as a K9 field support and handler in training. She has also field supported handlers on other New Mexico and Colorado K9 teams. She currently resides in Las Cruces and is studying visual search with application to search and rescue at New Mexico State University.

Jessica Perez has been a Flight Paramedic for PHI Air Medical for 15 years. In addition to flying, she teaches EMS and LZ classes. As the outreach coordinator/educator, she also visits remote communities to teach them First Aid and CPR.

Dave Price joined OMTRS in the summer of 2013, with a decent history of being outdoors but a light resume in caving and climbing. He was promptly dropped into a 6'x130' dark, sharp hole in the ground. Having failed to get rid of him then, he went on to become fully signed off to run technical rescue missions for the team three years and many internal and external training hours later. He also served as team secretary/treasurer until term limits offered mercy. He has completed Ops/Plans Section Chief courses (but not LPB so he can't officially be asked to stay in IB for those positions), Strike Rescue, Basic Tracking and was a guinea pig for the Task Force Leader course.

Dzejuan Shields is from Las Vegas, NV and has 6 ½ years of law enforcement experience, 10 months as a New Mexico State Police Crime Scene Agent, and stationed at the Special Operations building in Albuquerque. While with the New Mexico State Police Crime Scene Team Dzejuan has investigated approximately 40 Scenes - approx. 20 of the scene being Homicide scenes.

Justin Spain brings with him 20 years of rescues from the urban environments to the highest peaks. From his first mission looking for lost fuel tanks jettisoned from an F-16, to fallen climbers on the walls of the Sandias, to collapsed buildings on occupants he now resides in Albuquerque fighting fires and leading wilderness rescues. His efforts have taken him across the world for rescue efforts and training with teams in North America, Central America, Europe, Russia.

John Taylor (JT) was "roped" into serving as the current Team Captain of a bunch of misfits, Organ Mountain Technical Rescue Squat (OMTRS). As a misfit himself, he joined the team in 2009, has served as the OMTRS Board Chair. He retired after spending 30 years as a Collegiate Strength and Conditioning Professional and has taught and presented on the subject in many countries and is well published. Once retired he began to learn the "Ropes" of Technical Rope Rescue and holds certificate of completion from Strike Rescue (Albuquerque, NM). He is an avid outdoors enthusiast, hunter/fisher, hiker, mountaineer, rock climber.

Dr. Landon Vinson is a current EMS fellow at the University of New Mexico and works as an Emergency Medicine physician in the Presbyterian system and Sandoval Regional Medical Center location of the UNM health system. His pre-hospital interests began in rural Kansas through the Riley County Fire District. He trained as a resident in Oklahoma, and plans to return there for further development in EMS systems. He has a particular interest in rural and tribal EMS.

Mary Walker has been in SAR for 8 years and is an active member of Sandia Search Dogs. She has trained and certified K9s in both area live find and human remains detection. Mary is NASAR SARTech II certified and her current K9, Shiloh, has a NASAR HRD Land certification and is working towards area live-find cross training.

Dr. Jenna M. B. White is an emergency physician at the University of New Mexico. Dr. White is an instructor in the UNM EMS Academy and in the UNM International Mountain Medicine Center, and serves the New Mexico Search and Rescue community as medical director for Cibola SAR and Albuquerque Mountain Rescue Council. She also provides medical direction for numerous EMS agencies within Sandoval County, New Mexico.

Larry Zentner's SAR experience includes Civil Air Patrol, Emergency Medical Services, Amateur Radio, National Ski Patrol, and variety of training for the New Mexico SAR community. Currently, serves as the CAP Emergency Services Search and Rescue Officer for the NM Wing Headquarters and is President of the NM SAR Support Team. Graduate of the National SAR School Inland Planning course, Air Force Rescue Coordination Center course, and NWCG Wildland Fire Air Operations Management course.