



# COCHISE COUNTY SHERIFF SEARCH AND RESCUE

September 2014

## Special points of interest:

- Almost mission end of the month 7/30/14
- Tech Training West Stronghold 8/2/14
- Swift Wtr Portal 8/5/14
- Swift water awareness training to SAT by Eric 8/6/14
- Training and Meeting 8/7/14
- Swift Water Mission 8/15/14
- Search Mission 8/16/2014 Dos Cabezas
- A sad day for CCSAR 8/17/14. We lost one of our members Kim Lehman R-30
- Swift Water Whetstone 8/19/14
- Car Wash 8/21/14
- Tech Truck Re-pack
- Search 8/23/2014 San Pedro SR 82
- Rescue Ft. Huachuca 4824/2014
- Search Ramsey Canyon 8/25/2014
- Two almost missions

## Tech Training 8/2/2014

Since the weather was quite unpredictable, the training was slightly changed and Jim R22 gave an introduction in the use of hardware for anchoring to the group, such as bolts, stoppers, hexcentrics, nuts, etc.



These artificial anchors are normally utilized where no natural anchors such as trees or rocks are available. These artificial anchors go directly into the rock, and are quite often placed into cracks or gaps. Rock climbers use some of the artificial anchors as permanent anchors once they are driven into the rock. Pitons are



A piton- being driven into a crack.

getting used less and less, due to the utilization of passive and active cams and chocks. Team members practicing and listen-



ing while driving a piton into a crack.



Combining several hexcentrics in a large crack.

Setting these types of anchors takes a lot of skill and practice. They do come in handy if no other

anchors are available. Jim also demonstrated using these artificial anchors to build a load-distributing anchor as well as a self-equalizing anchor with rope or webbing.



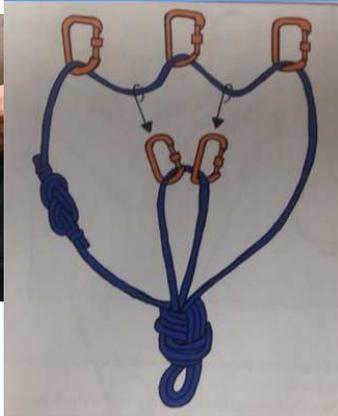
In order to reduce the potential for dangerous shock load-

ing through one anchor point pulling out and others taking the load, keep the angles small and slack to a minimum. Use approximately 8 feet of rope or webbing and rig for no more than a foot of drop

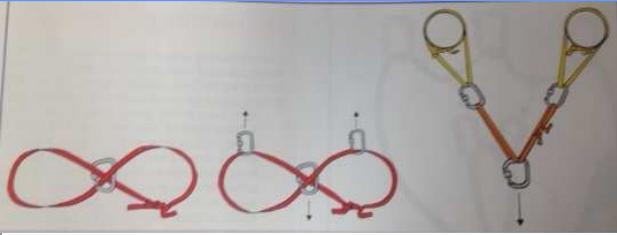
### Anchors continued



Setting up a self equalizing anchor



Complex load distributing anchor



Simple load distributing anchor built from webbing



**“The strengths of the team is each individual member. The strength of each member is the team.”**  
**Unknown**

### End of Month Mission Portal 7/30/14

July ended with yet another mission—almost. The team was activated, but prior to anyone leaving their respective areas, the mission was cancelled, since the missing person was located. A group of people were hiking from the Steward Campground toward the Sunny Flat Campground, when one of

the party members decided to check out a cave. He apparently hiked to the area above Steward Campground and the location of a previous rescue. He did not return for over three hours, and the others in the party reported him as missing. The subject did return to the rest of the party prior to our

departure. This could have been another rescue. The terrain is steep and very slippery, especially with all the rain received in the Chiricahuas.



Water in the Stronghold

### Swift Water Portal 8/5/14

What are warning signs for? To heed or to ignore? “Do not enter when flooded!” “Road flooded!” We have come to the realization, these signs are posted to be ignored. It does not matter if you have a 4x4 or a small car, just because you have driven through a wash before and you made it

does not necessarily mean you are just as successful the second time. You might get stuck in the unknown depths of the water or what lies beneath it, such as rocks, boulders, sediment. This was the case on this mission. The wash was running quite swiftly across the entire wash about 100 feet wide.

The call came in from a subject visiting from California stating he got stuck in the wash and the water was coming into the vehicle. He could not give an exact location, he took a left turn in Paradise and is somewhere between Paradise Rd and Portal Rd. He further informed communications he had

his two daughters with him as well. R62, Walter, who lives in the Portal area was first on scene and located the vehicle about half a mile north of Portal Rd on Foothills Rd.



already left the vehicle and was on the south bank on the wash inquiring about a tow truck. DPS Ranger flew a re-con and remained in the area until we had both girls on dry land via conducting a shallow water crossing. The water was running approximately mid-shin to knee level in various areas of the wash. The water level did not subside one inch, even by the time the

have been impossible, since it took the tow truck about an hour to get the vehicle out. We assisted the tow truck team via shallow water crossing getting him safely to the vehicle to assess and then to get the tow chain for hook up.



When is the tow truck going to show up?

David activated the team around 1720 hours to include DPS Ranger. Deputy Haws came in from the San Simon side and indicated the best way to get the subjects out would be from the south side. Walter, who had gone through the swift water training made it to the vehicle and had the two girls climb on top of the roof. The father had



tow truck arrived. One of the local residence wanted to tow the vehicle out with a small Toyota pick up truck and a 75 foot chain. This undertaking would



A county worker tried to warn the subject of the road condition, but was ignored. He also ignored the “Do not enter when flooded” and “Road flooded” signs. More than likely a road closed sign would not have made much difference, people have a tendency to ignore those as well.

**“Overcoming barriers to performance is how groups become teams.”**  
**Unknown**

### Swift Water Training for SAT 8/6/14

On Wednesday, Eric taught a swift water awareness class to the Sheriff’s Assist Team (SAT) members. Two major rules must be adhered to by everyone. **1. Must have proper training—self rescue. 2. Must be properly dressed—PFD and helmet.**

Eric covered Do’s and Don’ts.

**DO’s**

1. Stay back 15-20 feet from the edge—if closer than 15 feet one must wear a PFD and helmet.
2. Encourage victims to stay put—on car or

shore. \*Discourage victims from wading attempts, especially if the water is above mid shin. Running water of about 4 mph has a pressure of 40 psi, 8 mph has a pressure of 160 psi, with the pressure increasing x4 if the water speed doubles.



Dominic and Deuce practicing with the throw bag.



Throw bag practice

“The secret to success is good leadership, and good leadership is all about making the lives of your team members or workers better.”

Tony Dungy

## Swift Water Continued from page 3

DO's continued

Turnout gear is a death trap for fire man if the get caught in swift running current.

3. If you come upon an incident report it and get a swift water team to respond to your location.
4. In AZ 90% of the time the water will subside in a very short time frame, depending on the area.

### DON'T

1. If you fall into the water DO NOT try to stand up, SWIM OR CRAWL TO SHORE.

\*Standing up could result in a foot entrapment. The force of the current can force you under and hold

you there

2. Do not expect victims to help you in their rescue.

\*Throwing a rope to them does not work.

3. Never ever tie a rope around yourself or a victim and enter the water.

\*People have died from this.

\*Swift water personnel wear special PFDs.

In general, water rescue operations present a significant danger to rescue personnel. They are dangerous and demanding.

Remember:

Reach-Throw-Row-Go-Helo—the order of execution of a rescue.

**Reach**— the victim with whatever means possible (pole, ladder, stick, rope, inflated fire hose)

**Throw**— utilize the rope bags, throw the rope to the victim and then pendulum belay the victim to shore.

**Row**— utilizing a boat that may be available at the scene. Personnel familiar with boat operations must be utilized.

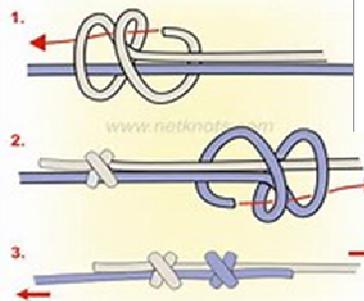
**Go**— utilizing a rescuer in the water to complete the rescue

**Helo**— utilizing a helo to accomplish the rescue. Even though helo's are considered high-risk operations, they are a great way to pull the victim out of the water if they are stranded on a fixed object in the water.

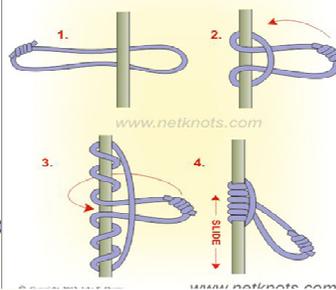
## Meeting 8/7/2014

The knot Eric covered as the knot of the month was the double fisherman's utilized as a prussic in the

### DOUBLE FISHERMAN'S



### PRUSIK KNOT



lower/haul systems. Members practicing this



particular knot.

Practice with a new splint.

## Swift Water Rescue Portal 8/15/2014

The text for this mission came around 1800 hours with the subject already having water running into his truck. The location was the same as two weeks prior involving a family of three.

The road is marked with "Do not enter when flooded" and "Road flooded ahead." The subject was visiting someone on the north side of this wash. He indicated there was some water running

in the wash when he initially crossed, with the water running deeper when he came back. Guess he figured he could make it, but once he got a distance away, his truck was washed down river. Walter R62, indicated the truck moved about ten feet once he got on scene. He made contact with the subject and told him to remain calm. Walter did some pre

PFD and helmet for the subject. Neither David nor I had any extras. Walter was down river safety with the throw bag, while David and I commenced the crossing. All I can say, the water was running dangerously fast with boulders and large tree stems being washed right into our path.

## Dr. Scuba Corner

**"One man can be a crucial ingredient on a team, but one man cannot make a team."**

**Kareem Abdul Jabbar**



*The wash when the deputy got there*



-anchor work and cleared some brush. We attached a 100 foot rope to a pretty strong mesquite while we waited for David. DPS Air Rescue also responded and was able to give us a



Once with the subject he was given the extra PFD and helmet and we walked him back with the assistance of the rope, which we had fastened to the steering wheel. Walter,



David and I did retrieve the rope and the subject's very expensive camera equipment. The truck remained in the wash. No tow truck would have been able to get it out while the water was still running like crazy.



## Rescue Dos Cabezas 8/16/14

The call for this mission came around 1600 hours. Two subjects and a dog had attempted to hike to the Doz Cabezas Mountain. They did not carry enough water 8 16oz bottles for the three of them, they should have tripled that, especially during the current weather conditions. They became dehydrated and called a friend, who in turn called 9-1-1, which was a very smart move. According to the information received one of the subjects might also been suffering from heat exhaustion.

David contacted CBP and they conducted a hoist operation for the three. The dog went through about four bottles of water, so did the human companions. The one subject was checked by flight nurses from Life Net and was cleared. Remember you need to take a lot of water when planning a trip into the mountains.



August 17th became a very sad day for the CCSO SAR family, we are mourning the loss of one of our members

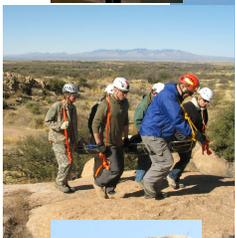
## Kim Lehman

### Rescue 30 from August 2009 to August 2014

Kim, you will never be forgotten staying in our memories forever. Now you will be doing rescues in a different place with Gene, Don, Barry and Marvin



Kim joined the CCSO SAR family in August 2009 and became a dependable member, who would donate many hours to save the lives of others. Kim was a quiet person, who loved spelunking exploring many caves in the area. Raul and he would check out quite a few caves for training. Looking through the thousands of photos I took over the years, Kim always would hide behind others during our so called "Group Hugs."



Greetings,

It is with great sadness that I share with you the passing of long-time SAR Member Kim Lehman (son of former Chief Deputy Dale Lehman) on Sunday at his home in Sierra Vista. Kim was an upbeat and passionate volunteer that served with honor and integrity.

Kim will be truly missed by both his family and his CCSO family.

Please keep Kim's family in your prayers.

God Bless,

Sheriff



## **Kim F. Lehman**

October 1962 – August 2014

Kim left us to be with God, Jesus and all the Angels due to an unfortunate accident in his home which led to his untimely passing. Kim was born in October 1962 to Dale and Mary Lehman in Ft. Huachuca, AZ.

Kim grew up in Douglas, AZ. He attended Douglas public schools and participated all four years in the Douglas High School marching band, which won several State awards. After graduating from high school in 1980, Kim moved to Sierra Vista, AZ, to work at Stan's Fence Co. and has worked at Sierra Vista Builders Supply for the past 20 years.

Kim was a volunteer member of the Cochise County Sheriff's Search and Rescue Posse for many years. He devoted countless hours to finding lost children, hikers, hunters and, sadly, individuals who had lost their lives in the outdoors. During these activities, Kim along with the other volunteers, placed their own safety at risk in order to help and protect others. He also studied to be a Nursing Assistant and an EMT, received his certifications and obtained his name on the National Registry of EMTs. Along with his motorcycle friends, he recently began participating in the Homeless Deceased Veterans Motorcycle Escorts. He also volunteered as a Weather Buddy for the Tucson TV news, reporting unusual weather events that he observed, as well as photographs that appeared on the news and in the newspaper. Kim was always a generous man who would always put aside his own needs, time and resources to help others who needed it.

Kim loved the outdoors, photography, gardening, mineral hunting, target shooting, highway rides on his motorcycle, cave exploring, panning for gold, boating, fishing, and hiking (especially along the San Pedro River with his best friend, Lucky, his dog who preceded him in death by a month). He enjoyed entering his photographs and vegetables in the Cochise County Fair. As he matured, Kim never lost his little boy humor and curiosity about the world around him. He loved spending time with friends and family and always made friends easily.

He is survived by his parents, Dale and Mary Lehman, his son, Anthony Lehman, his brother Scott (Helen) Lehman, and his niece and nephew, Judy and Dale Lehman. He is also survived by uncles, aunts and cousins that also loved him dearly.

It was perfectly clear to us by the things he would say that he truly loved his neighbors, co-workers, regular customers, fellow volunteers, and motorcycle companions, as well as his other friends that he knew locally and on facebook as they were family, too. He loved his family very much, but the light of his life was his beloved son, Anthony.

The Lehman Family would like to thank all of Kim's friends and our own friends and family for the outpouring of condolences and sympathy. We would also like to thank Pastor John Hobson from the First Baptist Church in Douglas, AZ for officiating the service, Alex Espinosa from Alex Espinosa Funeral Home in Bisbee for his sensitive and caring handling of Kim's arrangements during this difficult time and Morgan Douglas from the Turquoise Valley Golf Club for her quick and generous handling of the setting up of the memorial service location. In lieu of flowers, a donation may be made to the volunteers of the Cochise County Sheriff's Search and Rescue Posse to further their efforts in helping others. Donations may be mailed to 205 N Judd Drive, c/o Search & Rescue, Bisbee, AZ 85603. May God bless you all.

A Memorial Service honoring Kim's life will be held Saturday, August 23, 2014 at 2:00pm at the Turquoise Valley Golf Club located at 1791 W. Newell St., Naco, AZ (just off Naco Hwy. south of Bisbee, AZ).

# September 2014

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4 training and meeting 1730	5	6 Montezuma cave training
7	8	9	10	11	12	13
14	15	16	17	18 Coordinator Training Foothills	19	20 TBA
21	22	23	24	25	26	27
28	29	30				

# October 2014

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2 Training and meeting Foothills	3	4 Tech Training
5	6	7	8 State SAR Coordinator Meeting	9	10	11
12	13	14	15	16 Coordinator training	17	18 TBA
19	20	21	22	23	24	25
26	27	28	29	30	31	

## Swift Water Presidential Estates 8/19/2014

This was most definitely a scary moment for the driver of this van getting swept down river trying to get across the very deep and running Baboromari River, normally not running. We did have a pretty good response to this mission, however it was completed by members of the Whetstone and Huachuca City Fire Departments. Our inflatable boat would have come real handy for this rescue, since the water was running more than shin deep, it was waist high. Dispatch did get a call later asking when the vehicle was going to be removed, since it was blocking the subject from crossing. Not sure what the subject did not understand, a vehicle up to the windows in water should have been a sign not to cross. Go figure.



## What a Busy Weekend starting with Yet Another Search—San Pedro South of SR 82 8-23-14

David activated the team at around 1925 hours on 8/23/2014 to search for four lost kayakers south of SR 82 on the San Pedro River. DPS Air Rescue was also dispatched and assisted in this search and rescue mission. The four subjects started their journey at the Charleston Bridge and attempted to kayak to SR 82. Unfortunately, the San Pedro is quite shallow in many areas not allowing a smooth sailing for a raft of any kind. The subjects used the raft, then had to walk, get back into the water, and then walk again. They originally anticipated a 2 hour journey from point A to point B. Mother nature created a big handicap for the them, and they ended up abandoning their rafts and tried to hike to SR 82. Approximately two miles south of SR 82 the four hunkered down and started a fire to keep war. DPS Air Rescue located the subjects and landed across the river. G-Geoff was able to make contact with them and they transported the two females back to command post. We temporarily closed off SR 82 allowing for the helo to complete this mission. The two females were tended to and given blankets due to being cold and wet.

All four were evaluated by medical personnel and all four refused treatment. Raul transported two of the subjects to their vehicle parked off Charleston Rd. The other two went to their respective vehicle parked at the Fairbanks parking lot.



Bob working on the communications log, while Eric and Bill are talking to David, working up a game plan.



**“Never doubt that a small group of thoughtful citizens can change the world. Indeed, it is the only thing that ever has.”**

**Margaret Mead**

The subjects back at command post. They all were pretty tired, exhausted and cold.

# Cliffed Out Hiker on Fort Huachuca, Garden Canyon 8-24-14

Why should this weekend have been different than any other weekend, yes another call out. David gave a heads up to the team around 1430 hours for a pending mission on Fort Huachuca. A subject hiked up an area from Reservoir Hill and got stuck on a ledge. No way up no way down, totally cliffed out, and from looking at the contour lines, it looked pretty vertical. We had an excellent response, and looking at various possibilities on how to tackle this particular mission, every body was needed. Further, this would have been a very, very long mission had we not had the assistance from DPS Air Rescue. An approach from the bottom up was not feasible, the only way to the subject was from the top if we had to set up a rope



Eric chatting with the helo crew, saying something like we don't

need to buy any more tech gear, we just need to purchase more traffic cones to block of the LZs for them. Again, this would have been an awfully long and tedious rescue mission without the assistance of the DPS Air Rescue Crew.

**“A group becomes a team, when each member is sure enough of himself and his contribution, to praise the skill of others.”**

**Norman Hidle**

We had two almost missions this past weekend as well. 5 UDAs and one subject who had walked away from home.



system. Checking the map and working up a game plan for the rescue.



DPS helo after being stripped on a recon flight to the subject.

The crew did tell us, a short haul might have been a better option. They conducted a toe in hover and one of the medics jumped off, grabbed the subject and went back into the helo.

## Mission 3, Search for Overdue Hikers Ramsey Canyon 4/25/14

Rope rescue, short haul, or a toe in hovering, that was the question. While waiting for the helo to return, we were informed helo personnel had the subject and they were on their way back.



subject and they were on their way back.

CCSO SAR was activated around 2030 hours to search for four overdue hikers in the Ramsey Canyon area. The subjects started their hike around 1600 hours in an attempt to hike to a waterfall located in a box canyon off the main trail. One of the preserve employees called CCSO to report the subjects not having returned as of 1900 hours. Two teams were deployed with one team hiking to the box canyon and the other team hiking up trail. The trail team came across the subject about .5 miles south of the trailhead across the creek and way off. The subjects did advise they lost their way once it got dark.

