



SARNEWS

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TUCSON, ARIZONA

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SEARCH AND RESCUE COUNCIL

On The Wearing Of The Orange

by Loma Griffith, 883-3115

(Substitute your own group's shirt color while you read Loma's article that applies to all of us. ed)

My love/hate relationship with the ORANGE! shirt goes back a long way. As a new SARA member picking out the smallest ORANGE! shirt at the uniform supply store, I couldn't wait to rush home and sew on those coveted patches, including the one with the "trainee rocker" that was to get trimmed off if and when I was made a full member. The next day, I noticed that this was a really LOUD garment, and one that I really didn't want to be seen wearing in town, however impressive it might be in the field. For years I responded to callouts in my street clothes.

Eventually I discovered that there were some occasions when it was actually desirable to be seen in ORANGE! Like the time that Ranger 26 announced several times in one morning that they spotted the lost subject, dressed in jeans and a navy T-shirt, each time hovering enthusiastically above my location while I tried to look like a rescuer rather than a rescuee. Like all those times when I had to rely on my competent smile and my faded, mud-spattered SARA sticker to get through the S.O. roadblock, when just an ORANGE! arm draped out the driver's window would have gotten the car waved through, no questions asked. For a while, MacDonald's even offered us half-price burgers when we came in wearing our ORANGE! shirts. But still there are times that wearing the dratted thing is a real liability --- when the media expect me to be able to give accurate and quotable comments on the operation, or when a pitcher of beer would taste lots better than Coke with pizza after the callout.

Which brings us to the point of this sermon: when I wear that ORANGE! shirt, I am claiming to be more than an ordinary citizen, and being very obvious about it. That ORANGE! shirt can be a mantle of power, but with the power goes heavy responsibility. One evening, coming back from an unsuccessful search in Santa Cruz County, I was stopped for speeding on I-19. The patrolman looked at the carload of ORANGE! shirts, asked how the search had gone and let me off with a warning. At first I was heartily relieved, but pretty soon felt ashamed that I had brought discredit on the group. Now I tend to drive to and from callouts wearing something besides ORANGE! (and slower, of course). And when I am wearing ORANGE! I try to speak and act with the awareness that I represent the whole group, and by extension, the Sheriff's Department.

NEOTOMA COMPOSITE SQUADRON, C.A.P.

by Robert McCord

I have been asked several questions about the next generation of ELT's and thought I would write a few words about them. "ELT" stands for Emergency Locator Transmitter and belongs to the emergency beacon family. More about that later. Currently, most ELT's operate on 121.5 MHz, generally for civilian applications, and 243 MHz, generally for military applications. They are activated, hopefully, by the G-force of impact of an aircraft. Upon activation, they transmit an audio-sweep tone for several days. The United States (with SARSAT) and Russia (with COSPAS) monitor for these tones, although COSPAS does not monitor 243. ELT activation and rough location, generally 5-10 miles, is received by the satellite. The "close-in" work of finding the ELT and either shutting down false alarms or rendering aid to survivors forms the bulk of the job of the aircrews and ground crews of the Civil Air Patrol.

The next generation ELT, which is entering service now, functions at 406.025 MHz. It sends no audio sweep, but rather uses a digital burst with an information packet. The current generation 406 ELT just has an identification number which can be linked to a specific aircraft, home airport, and emergency contacts. Next generation 406 ELT's will have a link to the aircraft GPS in order to give a position fix. This is the frequency that the SARSAT/COSPAS was designed to use, and the accuracy of position fixes from satellite is expected to be 1-3 miles. NOAA expects 90 more lives saved annually, and a 95% reduction in false-alarm rates. Currently, the 406 ELT is authorized for voluntary use by the FAA, and the Aviation Rulemaking Advisory Committee is currently working on the recommendation to make them mandatory. We have had one 406 MHz search, fortunately the ELT also broadcasted on 121.5. I do not know if the 121.5 capacity will be mandatory in the future to facilitate the "close-in" work of the ground teams locating the ELT.

I mentioned the emergency beacon "family" in my first paragraph. Besides ELT's, other "members" include: EPIRB's, the marine equivalent of ELT's, which have mostly already shifted to the 406 technology; and PLB's, Personal Locator Beacons, which are intended to be manually activated by people in distress. PLB's also operate on 406 MHz, although some may also operate on 121.5.

PIMA CO. SHERIFF'S MOUNTED POSSE

by Joe Beckman

POSSE CALENDAR

<u>May 11</u>	<u>19:00, Thu</u>	Board Meeting	Sheriff Substation 106, Tanque Verde and Catalina Hwy
<u>May 25</u>	<u>19:00, Thu</u>	General Meeting	Sheriff Substation 106, Tanque Verde and Catalina Hwy

No news is good news,
Beckman

PIMA CO. SEARCH & RECOVERY DIVERS

by Fran Kunz, 886-2216, frankunz@aol.com

DIVER'S CALENDAR

<u>May 21</u>	<u>07:45, Sun</u>	May Training	Patagonia Lake
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Meet at Kunz' at 7:45 am. More practice with patterns and communications mask.

We are having diver's training the Sunday after Mother's Day at Patagonia. This training will entail deeper black water diving with comm masks and a general overview of the layout and topography of the lake. We will also do some boat training if time permits.

June's training will be at Pena Blanca Lake.

SOUTHWEST RESCUE DOGS, INC.

by Paul Cartter, 825-6517

SRDI CALENDAR

<u>May 6-7</u>	<u>TBA</u>	Overnight Training	Gardner Canyon
<u>May 03</u>	<u>19:00-21:00, Wed</u>	Board Meeting	Sheriff Substation 106, Tanque Verde and Catalina Hwy
<u>May 10</u>	<u>19:00-22:00, Wed</u>	General Meeting	Sheriff Substation 106, Tanque Verde and Catalina Hwy
<u>May 21</u>	<u>Sat</u>	Training	Mt. Lemmon

The dogs are doing well this month. We did some work at Catalina State Park with the new dogs and trail head work with the older ones. Come out and join us on any trainings. Janelle is in Texas at a school for becoming a dog trainer. It is an 8 week school. Congrats to Vi and Patches on their find in Greaterville on the 24th. Paul and his troop of dogs will be going to Colorado to the Lutenburg School in May. This is the same school Vi/Patches and Paul/Sally Mae went to last year.

Paw Prints

In the 1930's, an outstanding dog handler by the name of George Brooks was asked to take his bloodhounds and go to Cuba to find Castro who was hiding in the jungles. He refused because he had too much work here. Just think of how he may had changed history with his dogs.

SOUTHERN ARIZONA RESCUE ASSN.

SARA CALENDAR

<u>May 03</u>	<u>19:30, Wed</u>	May Classroom: Cave Rescue	Location: SARA House, 3455 N. Craycroft
<u>May 05</u>	<u>19:30, Fri</u>	SARA General Meeting	Location: SARA House, 3455 N. Craycroft
<u>May 06</u>	<u>19:30, Sat</u>	May Training: Cave Rescue	Location: Onyx Cave
<u>May 11</u>	<u>18:30, Thu</u>	BASIC I	Location: SARA House, 3455 N. Craycroft
<u>May 25</u>	<u>19:30, Thu</u>	SARA Board Meeting	Location: SARA House, 3455 N. Craycroft
<u>June 02</u>	<u>19:30, Fri</u>	SARA General Meeting	Location: SARA House, 3455 N. Craycroft
<u>June 17</u>	<u>13:00, Sat</u>	BASIC II	Sheriff Substation 106, Tanque Verde and Catalina Hwy

2000 SARA Board of Directors

John Gorski	President	Frances Walker
Mike Comeau	Vice President	John Perchorowicz
Jeff Merrell	Secretary	Jurgen Seidel
Elizabeth Graff	Treasurer	Rich Kunz
		Scott Clemans

Elected by the SARA membership

If you would like to work on any of the many committees that do a lot of SARA's business, please add your name to one or more of the lists available at SARA Meetings, or call the President.

SARA Store

by Andy Lamb

The "Hiking Club" map of the Santa Catalina Mountains has been published with a Latitude / Longitude grid. This "Rescue Map" version is available from the SARA Store, \$4.00 for paper, \$7.00 for laminated.

Outdoor Emergency Care

by John Gorski

On May 20th, there will be a Phase-1 Instructor's Class for anyone interested in becoming an OEC instructor. Location is currently set for TMC. Time to be announced. Contact John Gorski if you are interested or have questions.

We have reached the half-way point in the current OEC class. We can use people for hands-on practice on the following dates: May 4th and 18th.

Note, subject date change. Dr. Iserson will be teaching Reducing of Dislocations on Tues. May 16 instead of Thurs. May 18.

Change your calendar.

A hearty THANK YOU to all who showed for the Hands-on MidTerm Practical.

Candidate Corner

by Andy Lamb

BASIC I will be held on Thursday, May 11th at 18:30 (6:30 pm) at the SARA House.

BASIC II will be held on Saturday, June 17th. Rendezvous at 13:00(1:00 pm) at Sheriff's Substation 106, Tanque Verde and Catalina Highway. An overnight search exercise will be a part of Basic II. Details will be given at Basic II

May Training: CAVE RESCUE

by Bill Graff

<u>May 03</u>	<u>18:30, Wed</u>	Class: Cave Rescue	SARA House, 3455 N. Craycroft
<u>May 06</u>	<u>08:00, Sat</u>	Field: Cave Rescue	Onyx Cave

Class Presenters: Jeff Merrell, Dave Brown

Field Presenters: Jeff Merrell, Dave Brown

Meet at Onyx Cave

The class session will cover cave safety, required personal-equipment, cave rescue equipment, and rules of personal conduct while in a cave. If you have not participated in a past cave training, or are not a full member, then YOU MUST ATTEND this class or you WILL NOT BE ALLOWED TO ENTER THE CAVE. Personnel will be needed for tasks outside of the cave, such as base camp or for equipment runner. These jobs are JUST AS IMPORTANT AS BEING IN THE CAVE, it's a team effort.

This is going to be a great scenario, when you're done with this exercise, you'll be well orientated for any future cave rescues. This training is estimated to last 12 to 18 hrs. Stay as long as you like, or as long as you can, it will be worth it. BE PREPARED.

Members from several Caving Grotto's and Fire Departments are expected to join in on the fun, so this will give SARA personnel a good chance to meet and work other agencies.

Our thanks to Escabrosa Grotta for authorizing the use of Onyx Cave.

If you have any questions, contact Jeff Merrell, 745-2310 or Dave Brown, 762-0165

CALLOUT REVIEWS

by Andy & Mary Lamb, 743-7175, wb0lwh@arrl.net

Reporting Period	Callouts	SARCI People	Total Hours	Hours/Person	Weeks	Calls/Week
01 Jan – 25 Apr	32	394	1371	3.5	16	2.0
27 Mar – 25 Apr	5	53	202	3.8	4	1.3

THU 30 MAR CALL 2000.028 9 people 26 hours Tucson Mtn Park Ranger
Rescue of a 67 year old male stranded on the side of Cat Mountain. The victim had climbed up the side of the mountain about 50 feet and was unable to come down. A team climbed up to him and belayed him down.

TUE 11 APR CALL 2000.030 9 people 23 hours SCSO, GVFD
Rescue of a 65 year old female with an isolated ankle injury on Old Baldy Trail below Josephine Saddle in Madera Canyon in the Santa Rita Mountains. The victim was hiking with a large group of women from all over the country when she twisted her ankle. The group leader was an EMT and the group carried the victim a little ways. A Posse member and a SARA member met up with the group, put a SAM splint on the injured ankle, then carried her out on horseback.

MON 24 APR CALL 2000.031 9 people 48 hours R38
Search for a 51 year old male missing from a hike in Box Canyon in the Santa Rita Mountains. We were requested after the subject's vehicle was spotted by Ranger 38 about a mile from the junction of the Box Canyon Road where it splits off to Greaterville. The subject was reported to be looking for meteorites and was carrying a metal detector. Teams spent the night searching for the subject.

MON 24 APR CALL 2000.032 16 people 87 hours
Shortly after daybreak Patches directed her team to the subject's body, located about 400 feet from the vehicle on a ridge top.



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Bob Brantley In Arizona Call: **Dave Brown**
Phone: 520-762-0165

Phone: 703-758-6678 12353 Marionwood Court
Fax: 703-758-9208 Oak Hill, VA 20171-2133
Email: pine-pig-rescue@worldnet.att.net

SARCI Calendar

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
May 1	May 2	May 3 SARA Monthly Tmg: Classroom Session SRDI Board	May 4	May 5 SARA Mtg	May 6 SARA Monthly Tmg: Cave Rescue	May 7 SARA Monthly Tmg: Cave Rescue SRDI Tmg
May 8	May 9	May 10 SRDI Gen Mtg	May 11 Posse Board SARA Basic I	May 12	May 13	May 14
May 15	May 16	May 17	May 18	May 19	May 20	May 21 Divers Tmg
May 22	May 23	May 24	May 25 Posse Mtg SARA Board	May 26	May 27	May 28
May 29 Memorial Day (Observed)	May 30	May 31	June 1	June 2 SARA Mtg	June 3 SARA Monthly Tmg: Night Search	June 4 SRDI Tmg
June 5	June 6	June 7 SRDI Board	June 8 Posse Board	June 9	June 10	June 11 Divers Tmg
June 12	June 13	June 14 SRDI Gen Mtg	June 15	June 16	June 17 SARA Basic II SARA Helicopter Tmg	June 18
June 19	June 20	June 21	June 22 Posse Mtg	June 23	June 24	June 25
June 26	June 27	June 28	June 29 SARA Board	June 30	July 1	July 2 SRDI Tmg

May

M	T	W	T	F	S	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

June

M	T	W	T	F	S	S
		1	2	3	4	
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

July

M	T	W	T	F	S	S
				1	2	
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

August

M	T	W	T	F	S	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

September

M	T	W	T	F	S	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Send Changes to Andy Lamb at wb0lwh@arrl.net, printed 4/25/00

SEARCH AND RESCUE COUNCIL, INC.

P.O.Box 44231, Tucson AZ 85733
Meet 3rd Wed 19:30 (Jan, Apr, Jul, Oct), details inside.

PIMA COUNTY SHERIFF'S MOUNTED POSSE

8987-309 E. Tanque Verde, Box 232, Tucson AZ 85749
Meet 4th Thu 19:00
Sheriff Substation 106, Tanque Verde and Catalina Hwy

SOUTHERN ARIZONA RESCUE ASSOCIATION

P.O.Box 12892, Tucson AZ 85732-2892
Meet 1st Fri 19:30, SARA House, 3455 N. Craycroft

PIMA COUNTY SEARCH AND RECOVERY DIVERS

P.O.Box 13961, Tucson AZ 85732
Meet 2nd Sun 09:00, details inside.

NEOTOMA COMPOSITE SQUADRON, C.A.P.

4933 N. Sunrise Avenue, Tucson AZ 85705
Meet each Sun 15:00-18:00, RMPD, 490 W. Magee Rd

SOUTHWEST RESCUE DOGS

P.O.Box 64120, Tucson AZ 85728-4120
Meet 2nd Wed 19:00
Sheriff Substation 106, Tanque Verde and Catalina Hwy

SARNEWS is published monthly by Search and Rescue Council, Inc., a volunteer, non-profit organization. It is distributed free to members of SARCI affiliated groups and other qualified search and rescue organizations.

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