

# SHORT SKIP



## ARES "NEWS"

By Art Lee WF6P

A week ago, Rich Hanset, KI6EH, and I sat down for a short meeting at my kitchen table. We discussed the training and organization of Emergency Communications in Santa Cruz County. As always, there is a need for communicators for the various services provided by the ham community. While earthquakes, big fires, floods and pestilence are comparatively rare, they do happen. Memories of the flood of 1955 and even the great quake of 1989 are already fading in the minds of those who lived through them. In 1955, Donna's mom ran a café in Soquel. The high water of the Soquel Creek ran right through the front door and out the back, stripping the place of its tables, chairs, lunch counter, stove, pots and pans. In fact, everything. Her walk-in reefer was found, floating in the bay, a few miles off Capitola.

Rich discussed the new ARRL Emergency Communications Course and the replacement communications van for the original, which served us well. The old van is now being retired. He showed me a print-out of the Com van being used by the Association of Operations Volunteers in Seattle. For a view of their van (wow!), see <http://www.theaov.com/semoc.htm>. Ours is not as classy, he says, but it will be a vast improvement over the old van. Rich will be happy to accept volunteers to make the old-to-new conversion.

There is a new Disaster Service Worker (DSW) form for the volunteer program. For some of us, this may mean re-registration. New badges designed with the Santa Cruz County OES logo may be issued for quicker recognition by Emergency Responders.

Rich brought along and demonstrated a very handy "Grab and Go" bag. For \$15, the model 2116572 Tool Holder Cooler is just perfect for holding battery packs, hand-helds, connectors, etc. It even has a special pocket for keeping a sandwich ready to eat. These bags are available at Ace Hardware stores.

At present, we are compiling a list of changes and updates to the SC County ARES



VAN COMMITTEE  
JAN. 27, 1990

The original Comm 2 Van Committee. The members of the committee, left to right, Dave Taylor, K6GHA, Jim Alford, N6OLJ, Don Cooper, KB6NMV, Earl Duncan, KE6RU, Hank Bond, KG6EE, Al Crowell, W6JT

## JULY MEETING

QST-QST-QST to all members of the Santa Cruz Amateur Radio Club: Our next meeting, July 19th will be held at the same qth. ed. bldg. (rear of Dominican). Our guest speaker will be Rich (ki6eh) to be guaranteed a well-warranted subject for amateur-radio enthusiasts. Try to attend, one-and-all !

I wish all of you a lovely and patriotic 4th of July.

—de james kf6yrd your vp.

## LOCALS SET WORLD RECORD

New distance record on 76 GHz: A new world distance record on 76 GHz is being claimed by Palo Alto Amateur Radio Association member Bob Johnson, KF6KVG, and his partner, Will Jensby, WO6OM, of the 50MHz and Up Group. The new claimed record for 76 GHz was set February 1. Johnson was located southwest of San Jose, California, on Mount Loma Prieta running 1mW to a 12-inch dish antenna. Jensby was located on Mount Vaca near Vacaville running 5 mW to an 18-inch dish. The total distance covered was 145 kilometers based on the "center of grid square to center of grid square" measurement approach.

—from PAARAgaphs

"Field Manual" (FM), formerly known as the "Blue Book."

The ARES group will be working with Mike Dever, the County Emergency Services Coordinator. Mike is easy to work with so it will be fun helping out when we are needed.

Continued pg.3

**CLUB MEETING FRIDAY JULY 19, 7:30P.M.**

# SHORT SKIP

Published 12 times per year.  
Free to members.

Santa Cruz County Amateur Radio Club, Inc.  
Post Office Box 238  
Santa Cruz, CA 95061-0238

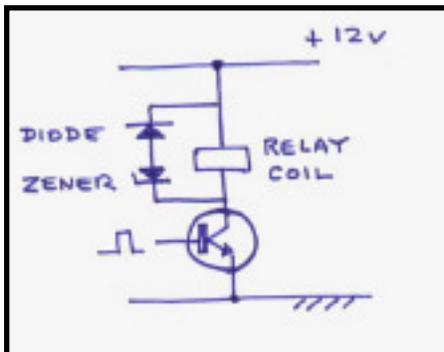
Editor and Publisher  
Ron Baldwin, K6EXT  
(831) 419-1025

K6EXT@fireclay.com

Columnist: Art Lee, WF6P

Writer: Ron Skelton, W6WO

Distribution: Elaine Pennell, KE6FRA



Damping	Peak back emf Volts	Drop-out time ms
None	800	2
Diode only	12	10
Diode with 10V Zener	22	4
Diode with 22V Zener	34	3
Diode with 33V Zener	45	2.5

## Reducing Back EMF

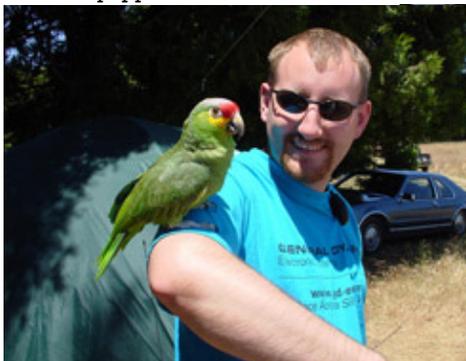
When a DC current flowing through a coil is suddenly cutoff the magnetic field collapses and induces an emf across the winding. It is call a "back emf" because it is of opposite polarity to the voltage used to create the magnetic field in the first place. This reverse voltage can be very large indeed and can damage the contacts of a physical switch, the relay coil itself or the switching transistor. A diode is often placed across a coil to limit this back emf to a safe level.

Such a diode delays the full collapse of the field and will slow down the release of the relay. This can be a problem for fast CW keying. By adding a Zener diode in the loop, the back emf can be limited without significantly slowing the release of the relay. I found the following data in an old RSGB magazine attributed to Peter G3SJX.

it applies to a relay with a 185 Ohm winding and a 12Volt supply

—Ron W6WO

**More FD Pictures...** Our new member Kurt KG6LPX has some good pictures from our Field Day there, including pictures of Liam, Larry AE6CP, Bob K6XX, Kamal KA6MAL, and Chilipepper!



## GOLDEN BEAR

The Golden Bear is alive and well, and at this moment pulling in to port at Brisbane Australia. They stay there until Saturday, West Coast time, and then proceed to Auckland NZ, then to Tahiti, and then to Vallejo. For full info see: <http://atsea.csumb.edu>

We have been running skeds with phone patches almost every evening from the Monterey Area. The skeds are on or near 14.325 at 0400Z. Frequent round table participants are WB6IWB (the ship call sign) with Bob, KF6ZYJ, the expediton PI. Pat, AA6EG, Len, W6OPI, and Dick W7QHE are usually on. We welcome additional roundtable participants.

The Ship's email is WB6IWB@winlink.org or tsgb@super-hub.com.

BE SURE TO INCLUDE the NAME: Bob Van Spyk in the Subject line..or the messages will not go through.

See you this weekend on 14.325 + -...

—Pat, n6ij@hotmail.com

## GOOD BYE TO SKEETER

Hello everyone,

I wanted to say goodbye. My family and I are moving up to Vancouver, Wa in 2 weeks. We're packing the moving truck on Saturday the 20th of this month. I'm going to try and make it to the club meeting on the 19th, but wanted to email, just in case. I missed the net tonight cause we were loading up boxes.



Liam at Field Day 2002

I think the best club memory was at field day this year when my 3 year old son Liam made a 40 meter contact to southern California. My first field day was when Liam was 3 months old. Wow.

I've had a great time with the club and learned some stuff along the way too. Keep up the great meetings. I've also appreciated the warm welcome I received for my family at the meetings.

Hope to talk on the air again sometime,

—Skeeter, KF6UKO



By Art Lee WF6P

## CHATTER

Was on the Baja California Maritime Ham Band this morning and a YL checked in saying that she and her husband were en route to Hawaii and 280 miles off shore. Her husband found a broken strand in each of the shrouds so they were going back to San Diego for re-rigging. I took her (Joyce, KA7MAT) to another frequency and asked about the damage. She said that she and her husband were afraid of the wire parting but that her husband had installed a reinforcement (she called it a 'splint') of the shrouds with spare wire and cable clamps. This sounded a bit more innovative than your local "around-the-buoy" sailor might try. Turns out that Joyce and her husband (Jay?) finished a round-the-world cruise. I asked her about the duration of the trip and she replied, "5 years, 2 months, 29 days and (looking at her watch) 6 hours!" She and her husband will stop in Santa Cruz on their way back to their home port in Seattle and visit me. Their boat is Lyric.

I received a land line from Shorty Freitas, AE6Z, VEC in San Jose. He wanted to do some testing in Santa Cruz and wanted to use our ARRL VE team, disbanded a couple of years ago. I told Shorty that my VE status had expired but he said, "No problem, I'll get it reinstated." He contacted Bart Jahnke, W9JJ, at ARRL headquarters and I was back in good graces. I called Jamie Finch, WI6F, and learned that her VE was still valid. I still don't know why mine fell through the cracks. On Friday, 21 June, we had to forego our ham club meeting (I really wanted to attend) to administer an exam at 6:00 PM. We tested 9 candidates at UCSC. All passed the Tech exam and 3 passed the General written. They will be able to operate within a few days as soon as their call signs are listed on QRZ.com.

On Saturday, I paid a visit to the UCSC Field Day site. Having spotted their antennas, my curiosity had to be satisfied. When I arrived, I was greeted by Suellene Petersen, one of our test takers from the night before. Looking around, I counted 5 others we had tested! Suellene's husband is Stephen Petersen, AC6P. (Our club member Royce, is AC6Z, getting his Extra a few licenses after Stephen.) Steve, a professor of Electronics at UCSC, was in charge of the Field Day event and a dozen of his students were participants. They had several antennas in operation and one, a satellite antenna, was damaged when an element was run over by a car. Emergency repairs and a few touches with a soldering iron put it back in order. Several tents were set up adjacent to the soccer field and the group was busy making contacts and doing computer logging. While there, they made some KH6 contacts on the big island of Hawaii. Talking to Steve, I discovered that he was in Vietnam when I was there in 1970/1. We were both at Cam Ranh Bay. Steve was a Navy ET and operated the MARS station at Market Time, adjacent to the Swiftboat repair facility. I was at the Naval Air Facility a few miles up the peninsula. He said they had a rhombic antenna built by the Seabees and pointed to a Naval base in the U.S. Unfortunately, I was unaware of the MARS station and never got to use it. He wanted to know if I recalled the night the Viet Cong sappers blew up the Army ammunition bunkers. "There was shrapnel everywhere," he told me. I did not recall that particular attack but told him of the times the sappers blew up the jet fuel tanks near our flight line. Small world.

Last month I received a nice letter from Patrick Henry, WA6PKM. Patrick now lives in Gold Beach, OR. He enclosed several brochures and from those views, I see he lives in a beautiful area. One post card photo was an aerial view of their very fine yacht harbor. It looks like ours, is larger, only without the crowded city conditions we experience. He said, "Hi Art, I enjoy reading your column in Short Skip. I have a S-20 R too, it still works. I am active on 2 meters and we have a repeater on Grizzly Mtn. I belong to SAR (Search and Rescue) that is coordinated by the Curry Co. sheriff's department. Please tell everyone hello for me. 73, Pat"

## ARES Continued

The new EC for Loma Prieta is George Smith, KG6VSG. His AEC for training is long-time ARES member Trudy Maxwell, KC6NAX. Regrettably, a member of that group, Mike Kelley, N6ZOC, is resigning as EC. He and his family are relocating to Oregon in June. On Monday nights at 8:30 PDT, Loma Prieta ARES members check in on the KC6VSG repeater on 146.835(-) with a PL of 94.8.

Rich will be addressing the club on its July meeting, bringing us up to date on the future of ARES and RACES.

Some additional personal notes from Rich:

He wishes to thank the following volunteers:

1. The people who gave it up to come out at 7 am on Father's day to work the Corralitos Padres Walk/Run were: KE6UWH, Phil Peterson, EC, Santa Cruz; N6TGM, Steve Smarden, Santa Cruz Membership AEC; KC6VSG, George Smith, EC, Loma Prieta ARES; KG6JQJ, Vic Linderholm, Loma Prieta ARES; KF6UKO, Skeeter Murphy, Santa Cruz ARES (and KI6EH, Rich Hanset).

2. I have been recruiting people to help on the building of the "new" Comm 2 emergency communications van. There will be three phases to the conversion effort:

1. Planning & Design.
2. Budget and fund raising.
3. Assemble the new communications van (execute the plan).

We are still looking for people interested in working on any of the three phase of the van conversion. Interested people should contact either (a) the EC in their area; or (b) the DEC, Rich Hanset, KI6EH.

The people who have signed up to begin the planning phase are:

Ron Baldwin, K6EXT; Vic Linderholm, KG6JQJ; Hap Bullard, KQ6YV; JV Rudnick, K6HJU; Greg Yehling, KD6UCE; Jeff Clark, KF6BKG; Jim Piper, N6MED; Phil Peterson, KE6UWH; Bob Wiser, K6RMW

Thanks to all for your help. I appreciate it very much.

—73, Rich KI6EH

## SCCARC Officers - 2002

<b>President</b>	Richard Trebbien	KG6AXD	426-0169
<b>Vice President</b>	Jim Welty	KF6YRD	685-9225
<b>Secretary</b>	Elaine Pennell	KE6FRA	429-1290
<b>Treasurer</b>	Cap Pennell	KE6AFE	429-1290
<b>Board</b>	Bruce Hawkins	AC6DN	
	Tom Johnson	KQ6DV	464-3120
	Allen Fugelseth	WB6RWU	475-8846
	Mike Doern	KF6UXB	477-1161
	Ron Skelton	W6WO	477-1021
<b>K6BJ Trustee</b>	Royce Krilanovich	AC6Z	475-4798

## MONTEREY BAY ACTIVITY

SCCARC Repeaters: K6BJ 146.790- PL 94.8 Santa Cruz ( linked w/Watsonville full time)  
K16EH 147.945- PL 94.8 Watsonville (linked w/Santa Cruz full time)  
K6BJ 440.925+ PL 123.0 Santa Cruz  
• SCCARC Net Monday 7:30 PM 146.79- /147.945- /440.925+ linked  
• SCCARC 10 Meter Net 28.308 MHz USB Monday 7:00 PM  
• SC ARES Net Monday 8:30 PM 146.835-(PL 94.8)  
• Watsonville ARES Net Thursday 8:30 PM 147.945-  
SLVARC Repeater WR6AOK 147.120+ PL 94.8 Ben Lomond  
• SLVARC Net Thursday 7:30 PM  
SLV ARES N6IYA 146.745- PL 94.8 Felton  
• SLVRC Net Thursday 7:30 PM  
• ARES Net Monday 7:30 PM  
NPSARC K6LY 146.97- PL 94.8 / 444.700+ PL 123 (linked) Monterey  
• Monterey ARES Net Wednesday 7:30 PM  
• NPSARC Net Wednesday 8:00 PM  
• Monterey Bay Traffic Net Nightly 9:00 PM  
• Newsline (Ham News) Broadcast Wednesday 8:30 PM  
6 Meter Local Net 52.8 MHz (PL-114.8) Sunday 8:00 PM  
Mont. Bay Chapter 191 QCWA :Tuesday, 7:30PM, AA6T repeater, 146.700- PL 151.4

**FOR MORE INFO SEE: <http://www.k6bj.org/freq.html>**

## SCCARC Calendar of Events

SC ARES	Tuesday	Jul 9
SCCARC Board Meeting 6:30	Friday	Jul 19
SCCARC Meeting	Friday	Jul 19
Short Skip Deadline	Monday	Aug 5
SCCARC Meeting	Friday	Aug 16

## MONTHLY MEETINGS.

The SCCARC Meets at 7:30 PM, on the THIRD FRIDAY of the each month (except December). Meeting are at Dominican Hospital, 1515 Soquel Drive, Santa Cruz.

**Visit the SCCARC Website at -**

**[www.k6bj.org](http://www.k6bj.org)**

**CLUB E-MAIL: [yourcall@k6bj.org](mailto:yourcall@k6bj.org)**

NET CONTROL SCHEDULE (Subject to Change)

7/15	Phil KE6UWH
7/22	Dave W6TUW
7/29	Tom K6TG
8/5	Jeff KF6BKG
8/12	Allen WB6RWU



SANTA CRUZ COUNTY AMATEUR RADIO CLUB  
P.O. BOX 238  
SANTA CRUZ, CA 95061-0238

**Meeting: JULY 19, 7:30PM**

**First Class**