

JUNE 2002

THE MONTHLY NEWSLETTER of the SANTA CRUZ COUNTY AMATEUR RADIO CLUB

SHORT SKIP



FIELD DAY JUNE 22-23



What is Field Day?

That's a good question, and if you asked ten hams, you would probably get ten different answers. Some would say that Field Day is a contest, others would say that it is an emergency preparedness exercise, still others would say that it is a party and yet others would say that it is a public relations exercise. The best description anyone can find is that Field Day is all of ham radio in one weekend!



When is Field Day?

Field Day 2002 runs for 24 hours and starts at 11:00 AM Pacific time on Saturday, June 22. Field Day ends at 11:00 AM on Sunday, June 23. Set up starts Friday afternoon. Contact Cap KE6AFE for details.

Where is Field Day?

Field Day will take place at the Ben Lomond CDF Camp on Empire Grade Road about 13 miles beyond Santa Cruz, at an elevation of over 2000 feet.

JUNE MEETING

Come one, come all to our next club-meeting, Fri. June 21. We will be privileged to have a guest speaker, N6INT from Shafter, Ca. presenting "The Vision Impaired In Ham Radio". We will also have an estate auction sale of a complete UHF-VHF-HF radio shack. Items to mention a few; Yaesu 990, Astron RS 35A power supply, Pak Ratt 232 hygain dipole ant., and all of the trappings!

This will be an auction of THIS estate only, by request of our auctioneer

(Dan AA6GD). WB6SSY will have a very short presentation at the conclusion of the meeting.

Thank you, in advance for attending!
—73s, James KF6YRD... Your V.P.

Tour de Cure

I received a letter from the organizer of the 2002 Tour de Cure bike event, that took place last weekend. They were EXTREMELY grateful for the help of Amateur Radio and all of you that worked the event. She said that it could have never happened without us.

As an additional note, not that we transacted any business over the air for them or anything like that, they also mentioned that this year's event in Aptos raised over \$46,000 in funds for their association.

Just wanted to let you all know that the work we do does make a difference for people event when it doesn't seem like it.

Thanks again to all that took part.

—73... Bob Wiser, K6RMW

CLUB MEETING FRIDAY JUNE 21, 7:30P.M.



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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



Prez Sez

Howdy Howdy fellow amateur radio operators. It's time again for the biggest event in amateur radio, field day. It looks like it's going to be a great one this year as is the tradition of our radio club. The field day committee nearly has all of the puzzle pieces put together to make a successful event. The field day food committee has asked me to announce to you to bring your favorite dish to add. Don't worry about the meat and chicken that will be provided. Also Jim has on tap another great speaker for our monthly meeting at Dominican. I always look forward to the many surprises and eye ball QSO's that happen at every meeting. I know the meeting is Friday night before field day but one can never have too much radio, right? Please make my day by coming up and giving me a few wise cracks!

— 73 ---... --- KG6AXD

Member Profile AC6Z



May is the month when the English are known to dance around decorated poles waving inflated pigs bladders or modern equivalents. Such was not the case in Soquel but recent patrons of the Surf City Coffee shop were amused at a variety of otherwise sober individuals dancing around waving little wire objects while apparently talking to themselves. These also seemed to be the bizarre movements of some primitive cult but were in fact members of fringe element of the SCCARC testing their antennas.

Our CAKE meeting was as much fun as usual and the regulars welcomed Peter AB6WM for his first visit. Bruce AC6DN described the acoustic improvements he was making to a hand held mic, Jeff KG6KCO showed his project which provides a regulated DC supply derived from an AC Wallwart. Myron described a high noise level he was getting when his modem starts up and he could use more advice on how to deal with it. The discussion on man-made noise prompted Pat AA6EG to mention that Richard Adler (K6RWA) is an expert on this topic and a great potential speaker at a forthcoming club meeting. The discussion



Almost any day at around 10:00 AM you will find a bunch of "good old boys" drinking coffee at the Palomar Café near the entrance to the yacht harbor. They are all connoisseurs of ladies volleyball but many like Royce Krilanovich AC6Z are also the founders or very early supporters of our club.

Royce was born and raised in Santa Cruz and brought up a large family here. He went to school in what now is the Chaminade restaurant. He obtained his early interest in radio at night school and during WWII became an army radio operator. This meant Morse Code of course and he tells of 400 hours of Morse training at Ft Benning GA.

During the period after hostilities Royce was stationed in Germany attending to a broadcast station of the Armed Forces Net-

work. He obtained a German ham license and for a while used one of those old faithful BC610 transmitters. Royce recalls the many locations where our club met and tells the tale of maintaining night watch at the end of the Wharf during the cold war era.

Meeting Royce one can not be in any doubt that you talking to a cheerful spirit and a key player in the history of our club. Thanks Royce!

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Royce spent the years after the war primarily as a carpenter in the construction industry in Santa Cruz. He obtained his license here in 1957 and as president or secretary at various times Royce helped to build club membership and was a strong supporter of Field day where he ran the 40 meter CW station. As a member of the fledgling repeater committee Royce helped design and build our present repeater building. I asked about his role as Trustee of K6BJ and he told me that it was to secure the call-sign of the late John Reinhart. John gave great talks at our club including the time when he was radio operator for Admiral Bird's journey to the North Pole. Thanks to Royce and others our repeater has become a memorial John, one of the pioneers at Eimac and strong supporter of our club.

Meeting Royce one can not be in any doubt that you talking to a cheerful spirit and a key player in the history of our club. Thanks Royce!

on fixing the TX output for Jason's buoys turned into a long discourse on ocean monitoring and submarine warfare. Bruce made a point that to be legal one must have a license to hand when using HT's or being mobile. The question of the day was whether vertical antennas are noisier than horizontal antennas. The yes and no camps were about equal but in the end settled for a definite maybe. Eric WA6HHQ was in Dayton so we gave him a toast of absent friends.



By Art Lee WF6P

CHATTER

Was working some CW the other nite with a VE7. We chatted along for about 45 minutes as he told me his wife, now a SK, was very good on her bug. She was a contester and helped him with his code learning. He said he missed hearing her code resounding throughout their ham shack (spare bedroom) during their many years of marriage. He did keep sending me "PLL" each time he turned it back to me. I couldn't figure it out. Anyone familiar with this term? I checked around but nobody seems to know.

I received an e-mail from an ham buddy asking about renewing his license. It had expired a few years ago when he tried to renew at the last minute of the two year grace period. He made it in under the wire but it was on the old 610 form. It was rejected. When he turned in the new form it was past the DL.D. So, his license was dead and gone. He was pleasantly surprised to learn that only 5 wpm is required for the General and Extra Class license. He wants his old N6 call back, and that may be possible. I told him that if he held off a couple of more years, the code requirement might be dropped entirely and the use of cw relegated to "fun" on the ham bands only. We shall see.

Leon Fletcher, AA6ZG, has asked me to thank all of you several dozen SCCARC members who signed that "Get Well Soon" that was mailed to him. He says tkz for the "soon," but that ain't gonna happen. His operation (removal of a cancerous bleeding tumor from his colon) was in early April; now, about 2 months later, recovery continues, but VERY slowly, VERY painfully. The team of doctors working on him, and the literature---Fletch says---say recovery takes 4 to 6 months. He'd like to thank each of you personally, but he is "up" to getting online but briefly these days, mostly to handle emails and little else. And he still is asking for "No Visitors" and is in bed much of the time. He does get out some 4 or 5 times a week, but nearly all those excursions are to visit doctors or to take

CALIFORNIA MARITIME ACADEMY

Hello Folks, Well... the California Maritime Academy training Ship, Golden Bear is already cruisin' the Pacific, (see: <http://www.calpoly.edu/~cpatsea> for a picture of the 500 ft ship.) headed to Hawaii, arriving June 18. As for the last 2 years, Ham radio is aboard, and playing an interesting role. This year Dr. Robert Van Spyk, (KF6ZYJ) the founder of the CSUMB At-Sea Program, and his son Bobby (KF6ZYN) will be aboard, and will be running the Ham station aboard, with the CMA callsign, WB6IWB.

The ship's itinerary can be found at:
<http://www.csum.edu/vctsgb/itinerary>

With ports of call in Honolulu, Suva, Brisbane, Auckland, Papeete, Los Angeles, and return to Vallejo, it will offer a great opportunity to showcase amateur radio, both as a voice based Morale, Welfare and Recreation medium, for the students and staff on board, and as a medium for radio science. On board, there is equipment for voice comms, on HF, and digital modes used in the past, include, PACTOR II. This year, we may add PSK 31, and other digital modes such as MFSK 16. We would like to do serious studies, comparing and contrasting the efficacy of various digital modes over long distances.

Because of very difficult logistics, and the hectic schedules of all parties involved, the ship, with an untested radio setup from last year, was unable to be boarded and inspected wrt its ham radio installation prior to it's first cruise departure, in April, so we face an interesting, but very useful and educational challenge. Is it possible

for knowledgeable hams shoreside to remotely assist and direct knowledgeable hams aboard ship in station setup and operations, and vice versa? We shall see... It is possible that a lot of hardware and software setup and debugging will need to be done between the two (or more) nodes, to get fully up and operational. We need to do similar things here shoreside, which may involve setting up Pactor II capable stations at N6IJ, and CSUMB. All are invited to participate in this project.

One of the first things that needs to be done, is for an Internet Guru to set up a Golden Bear Cruise mail group..like exists on Yahoo for Radiofest, or other special events. Can someone pick that one up?

Another thing has to be done, and that is to get a team together here in Monterey, to do setup work required at the CUSMB ham station, and at N6IJ. This can be done also at other Central California Sites that are interested. If you are active in PACTOR II, you can be especially valuable.

Let us know if you are interested. The ship will be cruising from June 20 Until August 19. So get your HF stations fired up for some fun.

Contact me if you want to become involved...

—Pat AA6EG

<http://www.polkinghorn.org/n6ij>

<http://communities.msn.com/n6ij> (click on pictures)

n6ij@hotmail.com

more medical tests. Again, from Fletch: thanks, greatly! (P.S. Leon is doing much better since I wrote this for Short Skip. Wayne Thalls, KB6KN, Leon and I had lunch together a couple of days ago and, while weak, he is regaining his strength.)

Tech Tips: After two issues of tips on receivers, this tip is for club members actively involved in antennas. I will skip the common 40 meter dipole and go directly into something not found in earlier editions of the ARRL Antenna Compendium. If you are going to design an antenna for, say, interplanetary spacecraft, think about using solar sails as communications antennas as well as for propulsion. Right up front, as a substitute for chemical propulsion, 100-meter diameter solar sails could cut your payload weight to Mars to 48 kg. From 110 kg., and deliver a micro-spacecraft in as little as 725 days. If you want to experiment with a Fresnel lens antenna embedded on the

solar sail structure to replace your conventional parabolic communications antennas, it is worth a try. The lens should consist of rings of alternating reflecting and nonreflecting strips, illuminated from the focal length of the antenna. As a starter, a dual feed can be used to accommodate an uplink at 7.2 GHz, and downlink at 8.4 GHz. For a 10 meter diameter antenna, I recommend 33 concentric rings with focal lengths of 8.2 meters for the uplink and 10 meters for the downlink. Different focal lengths can be experimented with, but further calculations would be necessary so break out your old K&E and go for it. Note that a well-defined and sizable beam formed in back of the antenna could communicate with your ground station no matter which way the sail is facing, assuming there is sufficient antenna gain. Remember, ham radio is only a hobby and experimentation part of the fun. Take care when soldering to avoid cold solder joints.

SCCARC Officers - 2002

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

SCCARC Board Meeting 6:30	Friday	Jun 21
SCCARC Meeting	Friday	Jun 21
FIELD DAY	Sat-Sun	Jun 22,23
Short Skip Deadline	Monday	Jul 8
SCARES	Tuesday	Jul 9
SCCARC Meeting	Friday	Jul 19

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

CLUB E-MAIL: yourcall@k6bj.org

NET CONTROL SCHEDULE (Subject to Change)

6/17 Dave W6TUW

6/24 Tom K6TG

7/1 Jeff KF6BKG

7/8 Allen WB6RWU

7/15 Phil KE6UWH



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

Meeting: June 21, 7:30PM

Remember FIELD DAY June 22-23

FIELD DAY INFO: Contact Cap KE6AFE

First Class