

APRIL 2001

THE MONTHLY NEWSLETTER of the SANTA CRUZ COUNTY AMATEUR RADIO CLUB

SHORT SKIP



2001: A Field Day Odyssey - Coming

by Tom Ginsburg, K6TG (k6tg@k6bj.org)

Isn't it hard to believe it is April all ready? The days are getting longer, it won't be long before summer comes, and that means the time for Field Day 2001 is almost here: our fun-in-the-sun, outdoor overnight radio operating and camping event of the year. We have had a successful six-year run at our wonderful site at the old CDF nursery next to the CYA camp at the top of Empire Grade. Since we have found that this site can't be beat, we are working on getting approval to operate there once again.

What are we looking for at this year's event, which will take place on June 23-24? Of course, we will need the usual loans of equipment and manpower setting up and breaking down (more about that in the coming months). We are hoping to get our sister club, the San Lorenzo Valley Amateur Radio Club to become fully involved in making this a joint Field Day effort. Last year we had several SLVARC members up at the site to operate and help break down after the event, and they were a great help to make the event a successful one.

I would also like to get even more public exposure for this year's event by heavily promoting Field Day to the public using whatever means necessary. If you have any media contacts or ideas, please let me know. Last year, we were fortunate enough to have the Santa Cruz Sentinel visit us at the site, and they published an article favorable to amateur radio afterwards. Now if we can get them to write an article BEFORE Field Day this year.

Of course, our Field Day event is always special because of the Saturday afternoon BBQ. We are looking for some chefs to step forward and help out with, what some would say, is the BEST part of a Santa Cruz County Amateur Radio Club Field Day!



As usual, we hope Field Day will attract old and new club members out to the site to have fun operating, educating the public about amateur radio, camping out, and enjoying a great barbecue. Please let me know how you can help out.



TOWER ORDINANCE

The second meeting regarding a proposed ordinance regulating communications towers will be held this Thursday, April 12, 2001 from 5 to 6:30 pm at the fifth floor Board of Supervisors' chambers at the County Government Center, 701 Ocean St. The previous meeting dealt with the types of wireless activity in the Santa Cruz area and the need to regulate the ever growing number of tower structures.

The purpose of this meeting is to review the draft ordinance and comment on it. The document is in Microsoft Word format, but can be viewed using Windows' Wordpad. It can be downloaded from my site at <http://www.cruzers.com/~benh/ordinance.doc>.

Two areas of concern have already been voiced regarding how the ordinance may affect amateur radio. The ordinance defines amateur antennas (such as antennas located attached to buildings or on free-standing towers) as exempt, however the purpose of the ordinance is to regulate towers, not antennas per se: "A ground-, building- or tower-mounted antenna operated by a fed-

Continued on page 2

CLUB MEETING FRIDAY APRIL 20 7:30P.M.



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By Art Lee WF6P

CHATTER

I just got off the phone with Dave Harbaugh, W6TUW. He is no longer distributing Short Skip, after having done so for the past ten or twelve years. He said, "At one time, Short Skip was merely a postcard, announcing our meeting times and topics for the meeting. Later, I would go to my work at KSCO where I wrote, mimeographed, folded, addressed (by hand) and mailed each single-page issue. We only had 46 members at that time so it was a piece of cake." We talked about when Northe Osbrink, N6KO, was editor. Northe put out Short Skip for several years, including a few news articles from club members, but mostly he did all the writing. I remember driving out to Northe's house in Aptos with my material to meet deadline dates. When Northe changed jobs from Avantic Corporation, he turned over the editorship to Wayne Thalls, KB6KN. Wayne carried on with Short Skip for a year or more. Our present editor, Ron Baldwin, K6EXT, took over from Wayne. So, on behalf of our club president, I have been asked to thank Dave Harbaugh for his long years of dedicated service to produce Short Skip. Thank you, Dave.

Where are they now? Yesterday morning while having breakfast at Jeffery's restaurant I ran into former club member Jack Mehan, N6FJK. Jack taught Seamanship and Navigation classes as a member of the Coast Guard Auxiliary chapter in Capitola. As a Coast Guard Auxiliary

Tower Cont.

erally licensed amateur radio operator as part of the Amateur or Business Radio Service, provided that its maximum height does not exceed the height requirements of the zoning district."*

The other is a statement that "Facilities regulated by this ordinance include the

member, Jack worked with our ARES group. A few days ago I was happy to see one of our old club members, Le Roy Vernon, W6MPF. For many years, Lee represented the ham community as the RACES coordinator with Santa Cruz County. Lee was in town, visiting from his QTH in Branson, Missouri. Sadly, Lee lost his wife a few months ago. I asked him if he would return to Santa Cruz to live but he said he wasn't sure.

This week Dan Anderson, AA6GD, came up on 40 meters for a short chat. "Oh, oh, I've got to go now," he said, "the tow truck is here to haul away my Ford F-150 pickup truck." The head gasket had blown. At \$85 per hour shop rates, he was looking at a \$1000 dent in his wallet. I told him that if his truck was a Model A, I would come over to help and we could change the gasket in an hour. With only eight bolts holding the flat head on, it would take us longer to drain the radiator than it would be to pull the head. We lamented that cars these days are much more complex. Back then, the model A Ford had no fuel pump, no heater, no air conditioning, no on-board computer, and only 4 spark plugs to change. Timing the engine was done by means of a screw-in plug that fit into a hole in a cam gear. No timing light needed.

A different radio: Last Wednesday night I was aboard "Misty," a Cal 34 sloop, for the Wednesday night beer can races. The skipper asked me to get on the Marine VHF Channel 16 and inform the Harbormaster that we were getting underway. OK, I can do that. It was odd to NOT give my call sign! I called, saying, "This is the sailing vessel Misty, getting underway." I was requested to switch to Channel 9. The radio operator asked for the skipper's name. This I gave. "Have a good sail!" he offered. That was it. (Actually, we did have a good time. It was windy and cold out on the bay, especially after sunset. The full moon gave us light until we got back into our slip at 2130.)

construction, modification, and placement of all Federal Communication Commission (FCC) regulated amateur radio antenna, satellite dish antennas and any antennas used for Multi-channel, Multi-point Distribution Services (MMDS) or "Wireless Cable" and personal wireless service facilities."*

One of the purposes of the meeting is to clear up what appear to be possible inconsistencies in the wording and definitions before the propose ordinance is finalized and goes before the Board of Supervisors for passage.

The agenda for the meeting is available, also in Word format from <http://www.cruzers.com/~benh/agenda.doc>.

— Ben

Board Minutes

A regular meeting of the board was called to order at 1837 hours on Friday, March 16, 2001 at Dominican Hospital in Santa Cruz. The president, Tom KQ6DV, was in the chair. Also present were the vice president, Richard KG6AXD; the secretary, Cap KE6AFE; the treasurer, Elaine KE6FRA; the members of the board Bruce AC6DN, Bill W6PAD, Allen WB6RWU, Mike KF6UXB; and two visitors, Claudia Fugelseh and Rich KI6EH.

The minutes of the February 16 board meeting were unanimously approved. The treasurer's report was a financial statement that showed financial activity for the period from February 1 to March 1, 2001. The report, showing a balance on hand as of March 1 of \$4724.88, was accepted unanimously upon motion by Allen.

During unfinished business, Tom talked about finding some volunteers to serve on the membership committee.

During new business, Bruce brought up the idea of club shirts, not T-shirts, as a fund raising idea. No action was taken. There was discussion of preparations for the following club meeting. Richard briefly discussed ideas for the proposed club station.

The meeting was adjourned at 1920 hours.



TRADE or SELL TABLE at February MEETING

Bring your surplus radio gear to sell or trade. The table will be set up before the club meeting. Put a price on your goodie and have fun trading or selling: mics, connectors, handhelds and related equipment, receivers, transmitters, etc. Let's have fun!

—Dan AA6GD

MEMBER PROFILE



Member PROFILE Ben Hatheway - N6FM

Rated high on the survey was interest in our club members and Ben was kind enough to be our first celebrity.

First licensed in Southern California in 1962 Ben received his Extra Class in 1966 and progressed through what now will be regarded as valuable antiques with names like Motorola 80D using a dynamotor, Globe Chief, Viking, and Swan, which lead to a Collins KWM-2 and home brew 4-1000 A amp. In the late 1960's he helped build and operate the first 440 MHz autopatch in San Diego, soon after touch-tone telephone signaling was introduced there.

Ben worked on emergency communications for the City of Costa Mesa and most of his Amateur activities were then focused on VHF and UHF. Ben was instrumental in forming the Mesa Emergency Services Amateur Communications public safety group sponsored by the city which involved building and operating a repeater located on the 5 story city hall building.

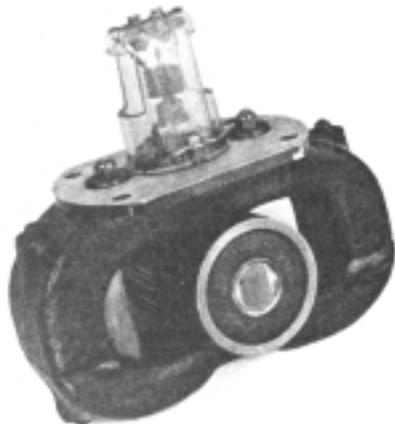
With XYL Diana, Ben moved to become the Technical Manager for the modern 911 Emergency Services Center that went into service here in 1996.

Ben's interest returned to HF a few years ago and he has been very successful chasing countries using CW, SSB and RTTY on all bands except 160.

The reason for Ben's achievements is not hard to see from his highly automated shack. DX information monitored on the Internet and a Packet Cluster is displayed on software running on a HP 350 MHz PC. The two programs most in use are TRX Manager and Logic 5 which work together to control the IC756 Pro, point the Force 12 Tri-band beam and to record and display logging information for the station. All together it is a very slick operation and it is hardly necessary to touch the radio. One can see the time coming when an e-QSL will be automatically sent to complete a QSO be assured Ben will be one of the first.

Ben in the driving seat. Other items that all add up to more DX include the Clear Speech DSP unit for SSB and the MFJ noise cancellation box using a multi-band vertical as the noise antenna. A pair of Carolina Windoms work well on the LF bands. Future plans call for a top band antenna and possibly selling the Kenwood TS 570, replacing it probably with an Icom 706 as the new mobile rig since the new car has less room. Ben willingly shares his diverse expertise with many club members and exemplifies the very best of ham radio. Many thanks.

Mystery Item



EXPENSIVE FOX HUNT

The FCC has proposed levying a \$17,000 fine on an East Palo Alto, California, man for transmitting without a license on amateur frequencies and for transmitting a false distress signal. The FCC issued a Notice of Apparent Liability for Forfeiture March 19 in the case of Joshie Yasin Nakamura Sr, who also is known as "Mervyn Ehambrave" and sometimes as "Marvin E. Barnes."

As Ehambrave, Nakamura was among those receiving an FCC Warning Notice in March 1999 for allegedly operating without a license on the K7IJ repeater system in the San Francisco Bay area. At the time, the FCC shut down the repeater system for more than two months.

AUTHORS WANTED for SHORT SKIP

Here are the results of our recent survey

| Topic | Average Score out of 5 |
|---|------------------------|
| Home brew projects: Past, present, future, scratch and kit projects | 3.6 |
| Hot picks: New hardware, software, web sites | 3.4 |
| Help wanted: Parts, problems, insights | 3.3 |
| Kids Corner | 3.2 |
| Personality profile: Get to know individual members, life story, shack, antennas | 3.2 |
| Technical tutorials: Brief essays on current and future technologies Intermediate Beginner Advanced | 3.2 3.1 2.9 |
| Braggers platform: Best DX, QSL card, radio treasures, achievements | 2.6 |
| Test your knowledge: Puzzles, quizzes, true/false | 2.6 |
| Historical perspectives: Club history, events, equipment etc | 2.5 |
| Issue of the month: Local issues and "Speakout" material from eHam.net | 2.3 |

As you can see, most topics were quite popular, nevertheless it seems we should concentrate on those items that scored 3.0 and above. Please step forward with contributions to maintain the excellence of our newsletter. On behalf of the Newsletter Committee, Thanks!

— Ron W6WO

Antenna For Sale

Due to a change in plans at my Mendocino QTH (instigated by an annoyed neighbor, believe it or not), I have an extra 100' of used Rohn 45G. 9 straight sections and a pointy top section. I'm into it for about \$80/section, or \$800 for the whole mess. If anyone in the club can use it, I'll part with it for what it cost me. 30' is in Portola Valley, the rest is up in Boonville (but I can get it down here if necessary).

— Dan Levin, K6IF djl@andlev.com

GEOMAGNETIC STORM HITS

Planet earth was hit with two shockwaves slightly before noon MDT (1600UTC). The first was from Mondays M-class flare and rose the solar wind from 350 km/sec background to 650 km/sec. ... a sufficient blast to trigger a major geomagnetic storm. A bit later, the second shock wave hit, elevating the solar wind further to slightly above 850 km/sec. Both shockwaves were also fairly dense, with around 35 p/cm³. The 2nd shock drove the K index to 8 (and 9 in some places) for a SEVERE geomagnetic storm. The storm is still in progress, and expected to continue with minor to major storm levels through late Thursday. This is causing very rough to blackout conditions on HF, with full blackouts being experienced in Canada, northern Europe, etc.

AURORA: Tremendous aurora are currently active on the dark side of the planet ... over northern Europe, Scandinavia, and in the southern hemisphere along southern Australia, New Zealand, and Tasmania.

If the solar wind continues at high levels to fuel this storm for another 4-5 hours, then enhanced aurora will be seen over North America into the middle latitudes ... but probably not as spectacular as we experienced 2 weeks ago. NOAA is predicting visible aurora to 45 degrees geomagnetic latitude, and could extend further south. The real question is whether or not our geomagnetic field will remain at the strong storm levels until your local midnight. (Generally, 10:30-11pm local you will begin to notice aurora if it's going to happen in your area, and peak intensity around local midnight).

The >10MeV proton event continues, which means the northern (and southern) polar regions are experiencing a PCA at HF blackout conditions. This is expected to continue until late Friday or Saturday.

Today, region 9415 produced another fairly strong M class flare, still fairly geoeffective, and the shockwave from this will likely hit early Saturday.

So ... conditions on HF are expected to remain pretty poor for the next few days, particularly the lower bands. 20M will be rough, 15M better during daylight and early evening. Of course, your mileage will differ, since such a huge storm is dynamic with different characteristics at different locations around the globe.

— 72, Paul NA5N

On Wed, 11 Apr 2001, Space Environment Center wrote:

Joint USAF/NOAA Report of Solar and Geophysical Activity SDF Number 101 Issued at 2200Z on 11 Apr 2001

IA. Analysis of Solar Active Regions and Activity from 10/2100Z to 11/2100Z: Solar activity was moderate. A single M-class event occurred during the period. Region 9415 (S22W27) produced an M2/1f parallel ribbon flare at 11/1326 UTC.

IB. Solar Activity Forecast: Solar activity is expected to be at moderate to high levels. Region 9415 can be expected to produce another major flare during the period.

IIA. Geophysical Activity Summary 10/2100Z to 11/2100Z: The geomagnetic field ranged from quiet to severe storm levels. Two discernable shocks were detected by the ACE spacecraft at approximately 11/1300 and 11/1520 UTC. These effects were most likely the precursors for the two earth-directed CME's produced on 9-10 April. The resulting CME's arrival at earth produced severe geomagnetic storming during the period of 11/1500-1800 UTC. The greater than 10 MeV proton flux was at high levels all period long, reaching a maximum of 322 PFU near the end of the period. A polar cap absorption (PCA) event remained in effect during the period. The greater than 2 MeV electron flux has at high levels for the first part of the period and then decreased to moderate levels for the remainder of the period.

IIB. Geophysical Activity Forecast: The geomagnetic field is expected to continue at active to major storm levels during the first day of the period. A second geomagnetic storm is expected to arrive late on 12 April or early on 13 April UTC. This disturbance will be the result of the full-halo CME described in Section 1A. Brief severe storm levels at high latitudes can be expected. Unsettled to minor storm levels are expected on 14 April as the storm subsides. The greater than 10 MeV proton event is expected to continue through most of the period. The PCA event is expected to end during the latter half of the period. The greater than 2 MeV electron flux is expected to be at mostly moderate levels during the period.

>III. Event Probabilities 12 Apr-14 Apr

>Class M 80/80/80

>Class X 25/25/25

>Proton 80/25/25

>PCAF in progress

>IV. Penticton 10.7 cm Flux

>Observed 11 Apr 160

>Predicted 12 Apr-14 Apr 160/160/155

>90 Day Mean 11 Apr 167

>V. Geomagnetic A Indices

>Observed Afr/Ap 10 Apr 007/009

>Estimated Afr/Ap 11 Apr 050/060

Aurora Gallery

For anyone interested, there are some great pictures from all over of last weekend's aurora displays at www.spaceweather.com. Scroll down to

"See the Weekend Aurora Gallery."

— Phil KE6UWH

DXers

At times I hear people on the BJ repeater discussing the poor DX conditions on the HF bands. Even though the sunspot number recently has been over 300 the band still appears dead. This is due to the amount of solar activity usually associated with high sunspot numbers. To get a good idea of band conditions on a real time basis and to learn more about the factors affecting propagation an excellent web site is

<http://hfradio.org/propagation.html>

— Larry WB6MVK

Sometimes the band is not nearly as dead as it seems. Every contest, thousands of contacts are made on "dead bands". It is possible to check for propagation on 20 through 10 by listening to the HF beacons which transmit on a rotating 3 minute schedule 24 hours a day from 18 locations around the world.

Even if your CW is rusty, you can tell which beacon is transmitting if your clock is set accurately, or you can use one of the monitoring programs to tell you which beacon is on.

<http://www.ncdxf.org/beacon/beaconSchedule.htm>

It is remarkable how often you can hear the 1 watt signals on what appears to be a dead band, such as 10 meters at night.

— Peter AB6WM

WWV Survey Planned

The National Institute of Standards and Technology plans to survey users of WWV and WWVH later this year. The time and frequency-standard stations have been airing occasional announcements about the upcoming poll in order to start building a mailing list of survey recipients. The announcements state that NIST "is seeking information on how listeners use the broadcast services offered on the WWV broadcast," but the survey will not begin for at least several weeks.

WWV Station Manager John Lowe says the announcements are being broadcast now as a heads up and to encourage early mailing list signups. The survey itself will not be released until approved by the Office of Management and Budget, Lowe said, and he doesn't expect that to happen until May, although it could be sooner. The survey period likely would extend through the summer, he said.

According to Lowe, the last WWV-WWVH user survey was done in 1985. "We just don't know who our user base is anymore," he said. Lowe confirmed that the data collected ultimately could be used to determine whether WWV and WWVH remain on the air--especially given the popularity of NIST's other outlets, including its Web-based time server that gets in excess of 3 million hits a day.

"If we get only two people who say they're using WWV, then we've got a problem," he said. Lowe added that he does not think WWV and WWVH will be shut down, and he vowed to "fight for the radio stations," if it came down to that. "But the ultimate decision is not in my hands," he said. "We have to look at our budget and our users." Lowe strongly encouraged WWV users to get on the mailing list and to send in a survey when the time comes. He suggested, however, that more weight will be given to survey responses from corporate and institutional users of the radio service as opposed to individual users.

To be added to the NIST WWV-WWVH survey mailing list, send your name and postal address to the NIST Radio Station WWV, 2000 E County Road 58, Ft Collins, CO 80524, or e-mail the information to nist.radio@boulder.nist.gov. Lowe urged WWV-WWVH users to hold their fire until the survey begins. WWV in Ft Collins, Colorado, and WWVH on Kauai, Hawaii, broadcast continuous time and frequency information to millions of listeners worldwide. For more information, visit the NIST Web site, <http://www.nist.gov>. Thanks, ARRL Letter.

Tour de Cure April 22

The Tour de Cure bike event is just two weeks away on April 22. We still need several operators to help out! Here is what we need to cover and what is available to those who help out:

Operating Positions:

- 1) shadow
- 2) rest stop 1
- 3) rest stop 2
- 4) rest stop 3
- 5) rest stop 4
- 6) SAG vehicles
- 7) top of the incline (Nisene Marks)

Position (7) would be great for someone to ride a bike up to and put both activities together.

We start setting up at 6:00 a.m.

Registration opens at 6:30 a.m.

100k riders take off at 7:00 a.m.

We're closing the course at 2pm

Goodies for volunteers include: breakfast (Hobee's coffeecake, fruit, juice, coffee); lunch (Tony & Alba's pasta, salad, foccacia); rest stop snacks

live music at Aptos Village Park by Satia.

We have volunteer t-shirts for all your people.

Do I have any more takers????????? Please let me know via email (k6rmw@k6bj.org or k6rmw@arrl.org or bobwiser@aol.com) or you can get me on the air on the BJ/EH repeaters, the K6RMW repeater (147.015) or by phone (831-239-8360 with Voice Mail)

Please call I need to hear from you guys.

Let's get out and get things going again!!!!

—73

Bob Wiser, K6RMW

EC, Pajaro Valley ARES

FARS Offers Technician Class in Palo Alto

The Foothill Amateur Radio Society (FARS) is offering a Technician licensing class over six Thursday evenings from April 26 - May 31, 7 PM to 10 PM, at the Terman Library Conference Room (next to the JCC), 661 Arastradero, Palo Alto. The examination will be given during the last class session. The fee, necessary to cover the cost of materials, will be \$15 for students under 18, \$25 for adults.

For reservations contact: Rich Stiebel, W6APZ at (650)494-0128, or email to W6APZ@arrl.net. Also, see

<http://www.fars.k6ya.org/classes.html> .

76GHz Record from Loma Prieta

Palo Alto Amateur Radio Association member Bob Johnson, KF6KVG, and his partner, Will Jensby, W0EOM, of the 50 MHz and Up Group, established the new record for 76 GHz on Feb. 1, 2001, in the Pacific Division. Bob was located south west of San Jose CA on Mount Loma Prieta using a 12 inch dish antenna driven with 1 milliwatt and Will was located near Vacaville on Mount Vaca using 5 milliwatts to an 18 inch dish. The total distance covered was 145 kilo-meters based on the "center of grid square to center of grid square" measurement approach. This measurement approach is the common method of measurement at these frequencies. Signal strength varied from S1 to S2 with fading. Water vapor absorbs signals at high frequencies so the trick is to transmit on cold, clear days at high elevations. Simply creating a signal is technically challenging as you go up in frequency. Doing it on an Amateur Radio budget is even more impressive. Adapted from PAARAgaphs March 2001. Thanks to Vic Black, AB6SO, and Will Jensby, W0EOM.

April Mystery Item is a magetron. The tubes that made microwave radar possible.

This type of package magnetron uses direct coupling from one of the magnetron cavities to a section of wave guide. The glass window on this section of guide acts as matching transformer into the external wave guide. The glass boot around the heater leads is cut away to provide for forced cooling of the heater leads and seal. —From QST Dec 1945

COMING EVENTS

- Foothill Flea Market - 2nd Saturday of each month from March through October at Foothill College, Los Altos.
- Livermore Swap Meet - 1st Sunday of each month at Las Positas College in Livermore, 7:00 AM to noon, all year.
- International DX Convention, April 20-22, 2001. Visalia Holiday Inn, Visalia, CA. See <http://www.ncdxc.org/Ncdxc/Convention/idxc2001pre01.htm> for information
- Fresno Hamfest, Fresno, April 28, 2001, 7:00AM to 3:00PM at Coombs Ranch. From Hwy. 99 take Ave. 12 East, Cross Hwy. 41. Coombs Ranch is 1 mile beyond Hwy. 41 on Ave. 12. Contact Jim Haynes, KA6J, 559-294-8390. Talk-in 146.34/.94.
- Valley of the Moon ARC Hamfest, Sonoma, April 28, 2001 at the Sonoma Valley Veterans Memorial Building, 126 First St. West, Sonoma. phone 707-996-4494, email: wd6bor@aol.com.

SCCARC Officers - 2001

| | | | |
|-----------------------|-------------------|--------|----------|
| President | Tom Johnson | KQ6DV | 464-3120 |
| Vice President | Richard Trebbien | KG6AXD | 426-0169 |
| Secretary | Cap Pennell | KE6AFE | 429-1290 |
| Treasurer | Elaine Pennell | KE6FRA | 429-1290 |
| Board | Bruce Hawkins | AC6DN | |
| | Bill Walters | W6PAD | 688-0557 |
| | Allen Fugelseh | WB6RWU | 475-8846 |
| | Mike Doern | KF6UXB | 477-1161 |
| | Ron Skelton | W6WO | 477-1021 |
| K6BJ Trustee | Royce Krilanovich | AC6Z | 475-4798 |

MONTEREY BAY ACTIVITY

K6BJ / KI6EH (Linked) • SCCARC Net Monday 7:30 PM 146.79- /147.945- 146.79- /147.945-

K6BJ / UHF

- SCCARC Net Monday 8:30 PM 440.925 (PL 123)
- SC ARES Net Monday 8:30 PM 146.835-(PL 94.8)
- Watsonville ARES Net Thursday 8:30 PM 147.945-

K6LY (Monterey)
146.97- (PL 94.8)
444.700+ (PL 123)
(Linked)

- Monterey ARES Net Wednesday 7:30 PM
- NPSARC Net Wednesday 8:00 PM
- Monterey Bay Traffic Net Nightly 9:00 PM
- Monterey Bay Swap Net Wednesday 8:15 PM
- Newslite (Ham News) Broadcast Wednesday 8:30 PM

N6IYA (Felton)
146.745- (PL 94.8)

- SLVRC Net Thursday 7:30 PM
- SLV ARES Net Monday 7:30 PM
- Newslite (Ham News) Broadcast Sunday 9:00 PM

6 Meter Local Net 52.8 MHz (PL-114.8) Sunday 8:00 PM
 SCCARC 10 Meter Net 28.308 MHz USB Monday 7:00 PM
 Mont. Bay Chapter 191 QCWA :Tuesday, 7:30PM, AA6T repeater, 146.700-(NO PL).

SCCARC Calendar of Events

| | | |
|---------------------------|---------|---------|
| SCCARC Board Meeting 6:30 | Friday | Apr. 20 |
| SCCARC Meeting | Friday | Apr. 20 |
| SHORT SKIP deadline | Friday | May 4 |
| Santa Cruz ARES | Tuesday | May 8 |
| SCCARC Meeting | Friday | May 18 |

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

NEW! — CLUB E-MAIL: yourcall@k6bj.org

NET CONTROL SCHEDULE

(Subject to Change)

| | |
|------|--------------|
| 4/16 | Dave W6TUW |
| 4/23 | Tom K6TG |
| 4/30 | Jeff KF6BKG |
| 5/7 | Allen WB6RWU |
| 5/14 | Phil KE6UWH |
| 5/21 | Ron W6WO |



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

Next Meeting April 20

First Class