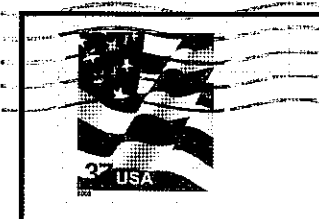
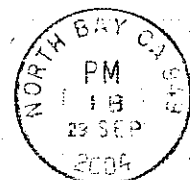


Calendar of Events

Oct 1	Fri	7:30 PM	Marin ARC Meeting, Alto Clubhouse, 27 Shell Road, Mill Valley
Oct 2	Sat	10:00 AM	Red Oak Victory ARC Meeting, Point Richmond
Oct 2-3	Sat-Sun		California QSO Party - www.cqp.org (Best little contest of all!)
Oct 6	Wed	5:30 PM 7:30 PM	No-Host Dinner at Coco's, 1501 Farmers Lane, Santa Rosa SCRA Meeting, Luther Burbank Art & Garden Center, 2050 Yulupa Avenue, Santa Rosa
Oct 13	Wed	6:30 PM	SCRA Board of Directors Meeting
Oct 15-17	Fri-Sun		Pacificon in San Ramon See: www.pacificon.org
Oct 19	Tues	7:30 PM	Hamilton Wireless Assoc., Bldg 549, Hamilton Field, Novato
Oct 20	Wed	7:00 PM 7:30 PM	REDXA Meeting, Carrow's, Petaluma Valley of the Moon ARC Meeting, McDougall Hall, Sonoma Developmental Center, Glen Ellen.
Dec 1	Wed	6:30 PM	SCRA Holiday Potluck Party! Get ready for it! Luther Burbank Art & Garden Center, 2050 Yulupa Avenue, Santa Rosa

Sonoma County Radio Amateurs, Inc.
P. O. Box 116
Santa Rosa, CA 95402-0116

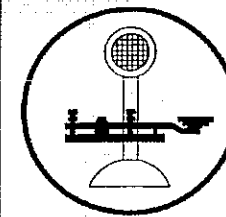
RETURN SERVICE REQUESTED
Time Sensitive Material - Please Deliver Promptly



Expires: 03/01/2005

John Breckenridge II
574 Wild Oak Dr
Windsor CA 95492

WB6FRZ



Club Station
W6LFJ

Short Skip

newsletter of the

Sonoma County Radio Amateurs, Inc.

P. O. Box 116, Santa Rosa, CA 95402-0116

(707) 579-9608

<http://www.sonomacountyradioamateurs.com>

Repeaters

146.985- • 146.73- • 224.48- • 441.375+



Repeater Station
W6SON

Volume 29 Number 10

October 2004



QUA

by

Brian Torr N6IYY
SCRA President

This article will be shorter than normal, since I have only a few hours left to get packed for a week-long business trip to Hong Kong. And in case you're wondering, no, I did not apply for a license to operate in Hong Kong

while I'm there. I will probably pack my HT, if for no other reason than to listen to the activity.

By the time you read this, our last big public service event, the Waves To Wine bike tour, will be history. At the time of this writing, we're not sure how good our repeater coverage for the "Wine" portion of the course will be; last year we made very effective use of Greg, AC6VJ's repeater on 145.39 MHz. Unfortunately, it appears to have been damaged in the Geyser's Fire. John, KE5RI, will be assessing the damage as soon as he can in Greg's absence.

But, hams being hams, I am sure some of our dedicated members will find a way to make up for the loss of the 145.39 repeater.

I am toying with the idea of a mini-Field Day-like operation for the California QSO Party (CQP), which is October 2 and 3 this year. Nothing fancy, just a radio, most likely operated from deep-cycle battery, and a simple antenna. Hopefully we can set up in a park somewhere in Santa Rosa. Bring your own picnic lunch. We probably won't be able to operate and camp overnight.

If this sounds interesting to you, please give me a call or drop me an e-mail.

Lastly, I want to remind you that our elections for new club officers will be held this November. As I mentioned before, I will not be running for re-election. Please give consideration to running for an office. With a full complement of club officers, the tasks can be divided up so as to not be too demanding on any one officer.

That's all for now! 73, Brian, N6IYY

FCC POISED TO ACT ON BPL REPORT AND ORDER IN MID-OCTOBER

The FCC Office of Engineering and Technology (OET) will present a draft broadband over power line (BPL) Report and Order to the full Commission when it meets October 14, the ARRL has learned. More than 6100 comments have been filed on the topic since the FCC released its initial Notice of Inquiry in the proceeding, ET Docket 03-104, in April 2003 and a subsequent Notice of Proposed Rule Making (NPRM), ET Docket 04-37, in February of this year. The ARRL so far on this round has taken its concerns regarding Amateur Radio and BPL to three of the Commission's five members. In a meeting this week with FCC Commissioner Jonathan S. Adelstein, an ARRL delegation again asserted that the FCC is pushing the proceeding to a predetermined conclusion with little regard for technical issues.

"Because the FCC has been unwilling to release for public review the results of its own tests and observations of BPL systems, the ARRL has no confidence that the draft Report and Order will be based on sound engineering and believes the rush to adoption is unwarranted and premature," ARRL Chief Executive Officer David Sumner, K1ZZ, said in a follow-up letter to Adelstein. The letter reiterated the League's key points that, it said, "represent the minimum protection" that should be incorporated into the BPL Report and Order prior to Commission adoption.

"Without adequate safeguards, the deployment of BPL systems will result in the pollution and degradation of the unique natural resource of the high-frequency radio spectrum," Sumner said.

The League argued that the R&O include a reduction in the radiated emission limit. The ARRL wants the limit set 30 dB below current Part 15 requirements, which, it says, were established with narrowband point-source radiators in mind. "The record in this proceeding clearly establishes that BPL is not a point-source radiator," the ARRL's letter asserted.

(continued on page 3)

2004 Club Officials

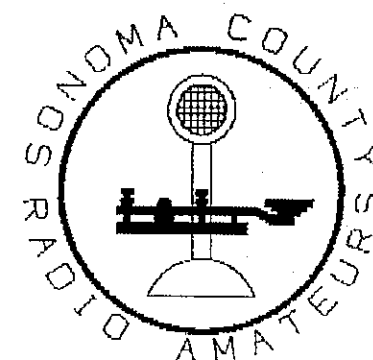
President	Brian Torr	N6IYY	707 575-5871
Vice President			
Secretary			
Treasurer	Jim Lee	KE6VGV	415 892-0317
Director	Randy Black	KE6VMZ	707 546-0723
Director	Greg Gordon	AC6VJ	707 523-7077
Past President	Bill Hillendahl	KH6GJV	707 544-4944
Activities Chairman			
Public Service Chairman	John Mullan	KD2L	707 575-9176
Repeater Chairman	Greg Gordon	AC6VJ	707 523-7077

Short Skip & Web Staff

Editor	Bill Hillendahl	KH6GJV	707 544-4944
Hank's Swap Shop	Jeff Basham	KK6JAB	707 542-3860
Web Master	Jeff Basham	KK6JAB	707 542-3860

Contacts

Antenna Ordinance/Legal	Lee Dibble	KE6EAQ	707 544-1675
Public Relations	Bill McCall	W6WDM	707 538-2844
Raffles	Karl Johnston	K6QMT	
Refreshments	Ted DeCroff	KB6PTA	707 542-4008
Volunteer Exam Liaison			
ARRL DXCC Mgr	Chuck Ternies	N6OJ	707 763-2528



NEXT MEETING

October 6th
7:30 PM

Program:

Geo-caching

by
Lori Bennett-Tentrick KF6VFI
President, Del Norte ARC
(see article)

CLUB MEETINGS

The club normally meets the first Wednesday of each month. This month's meeting will be at:

Luther Burbank Art
& Garden Center
2050 Yulupa Avenue
Santa Rosa, CA

The meeting starts at 7:30 PM

ALL ARE WELCOME!

Please join us at our next meeting. Anyone interested in Amateur Radio may be eligible for membership. A membership application is included in this newsletter.

For more information, contact any SCRA officer, director or member.

Short Skip Advertising Rates

Business Cards	\$ 12
1 st Quarter Column	\$ 13
Each Addn'l Quarter Column	\$ 4
Full page (one side)	\$ 35
Pre-printed inserts (each)	\$ 35

Guaranteed circulation of 150 per month!
For more information, contact the Editor.

HUNGRY BEFORE THE MEETING?

JOIN US FOR DINNER! We meet at Coco's restaurant, 1501 Farmers Lane (corner of Farmers & Hwy 12), Santa Rosa. People start showing up at 5:30 PM. No RSVP is required! See you there! (Except December!)

CONTEST CORNER by Kevin Alt, K6BSG
Hello testers. The big contest season starts this month. The CQ WW DX Phone contest is 30-31 October. For you UHF'ers, there are a couple of EME contests this month. Happy DX'ing.

- 2 Oct - PSK Rumble (The Fall Classic) - 80-6 meters.
See: www.n2ty.org/seasons/tara_rumble_rules.html.
- 2-3 Oct - Oceania DX Contest - Phone, 160-10 meters.
See: www.oceaniadxcontest.com.
- 2 Oct - EU Autumn Sprint - SSB, 80-20 meters. See: www.qsl.net/eusprint.
- 2-3 Oct - California QSO Party - CW/SSB, 160-2 meters.
See: www.cqp.org.
- 3 Oct - RSGB 21/28 MHz Contest - SSB, 15 and 10 meters.
See: www.rsgbhfcc.org.
- 9-10 Oct - ARRL International EME Contest, 50-1296 MHz. For the first time, this contest is broken up into three separate weekends.
See: <http://www.arrl.org/contests/rules/2004/eme.html>.
- 6-8 Oct - YLRL Anniversary Party - CW, 160-10 meters.
See: www.qsl.net/ylrl/ylcontests.html.

CHARLES J. TARR
Attorney at Law
WAGVAC
REPRESENTING CONSUMERS AND SMALL BUSINESSES,
INJURED PEOPLE AND THOSE ACCUSED OF CRIME

411 RUSSELL AVENUE
SANTA ROSA, CALIFORNIA 95403
(707) 546-5858

- 10 Oct - 10-10 Day Sprint - Phone/CW/Digital, 10 meters.
See: www.ten-ten.org.
- 9-10 Oct - Oceania DX Contest - CW, 160-10 meters.
See: www.oceaniadxcontest.com.
- 9 Oct - EU Autumn Sprint - CW, 80-10 meters.
See: www.qsl.net/eusprint.
- 9-10 Oct - Pennsylvania QSO Party - CW/Phone, 160-10 meters.
See: www.nittany-arc.net/paqso.html.
- 9 Oct - FISTS Fall Sprint - CW, 80-10 meters. See: www.fists.org.
- 10 Oct - North American RTTY Sprint - 80-20 meters.
See: www.ncjweb.com.
- 13-15 Oct - YLRL Anniversary Party - SSB, 160-10 meters.
See: www.qsl.net/ylrl/ylcontests.html.
- 16-17 Oct - Worked All Germany - CW/SSB, 80-10 meters.
See: www.darc.de/referate/dx/fedcg.htm.
- 16-17 Oct - JARTS WW RTTY Contest, 80-10 meters.
See: www.edsoftz.com/JARTS.
- 17 Oct - Asia-Pacific Sprint - CW, 20 and 15 meters.
See: <http://jsfc.org/apsprint>.
- 16 Oct - RSGB 21/28 MHz Contest - CW, 15 and 20 meters.
See: www.rsgbhfcc.org.
- 17-18 Oct - Illinois QSO Party - CW/Phone, 160-2 meters.
See: <http://my.core.com/~jematz/ilqso04.html>.
- 16 Oct - Bill Windle QSO Party - CW, 160-10, 6 and 2 meters.
See: www.firstclasscw.org.uk/.
- 23-24 Oct - USI WVE Islands QSO Party - CW/Digital/SSB, 160-6 meters.
See: www.eng.mu.edu/usislands/usvetest.html.
- 23-24 Oct - QRP ARCI Fall QSO Party - CW, 160-10 meters.
See: <http://2hams.net/ARCI/index.htm>.
- 24 Oct - 4th Annual FISTS Coast to Coast Contest - CW, 80-10 m.
See: www.tomochka.com/k7fff/fnw_c2c04.html.
- 30-31 Oct - CQ World Wide DX Contest - SSB, 160-10 meters.
See: www.cqww.com.
- 30-31 Oct - ARRL International EME Contest, 2304 MHz and higher. For the first time, this contest is broken up into three separate weekends. This is the second weekend. See: <http://www.arrl.org/contests/rules/2004/eme.html>.
- 30-31 Oct - 10-10 International CW/Digital Contest, 10 meters.
See: www.ten-ten.org.

Sonoma County Radio Amateurs, Inc.

Membership Application

New ☐ Renewal ☐

Please Print Clearly

Name _____ Call Sign _____ License Class _____ Date _____

Address _____ Hm Phone _____ Wk Phone _____

City/State _____ Zip _____ E-Mail _____

ARRL Member? ☐ Yes ☐ No

Dues & Fees: (SCRA dues year is from 3/1 to 2/28)

Individual/Associate Member	\$ 24 (\$6.00/qtr)
Family Membership	\$ 36 (\$9.00/qtr)
Under 18 Membership	\$ 12 (\$3.00/qtr)
Badge	\$ 7

Badge Information

Call Sign _____
First Name _____
City _____

Payment Calculations:

Make checks payable to SCRA

Dues - Full Year (3/1 to 2/28)	\$ _____
Dues -	
Prorated _____ Qtrs. X \$ _____/qtr	\$ _____
Badge	\$ _____
Other -	\$ _____
Donation	\$ _____
Total	\$ _____

Mail to: SCRA, P. O. Box 116, Santa Rosa, CA 95402

ARES (from page 4)

Hotels can achieve a much greater survival rate in earthquakes, simply by posting a sign on the back of the door of every room, telling occupants to lie down on the floor, next to the bottom of the bed during an earthquake.

5. If an earthquake happens while you are watching television and you cannot easily escape by getting out the door or window, then lie down and curl up in the fetal position next to a sofa, or large chair.

6. Everybody who gets under a doorway when buildings collapse is killed. How? If you stand under a doorway and the doorjamb falls forward or backward you will be crushed by the ceiling above. If the door jam falls sideways you will be cut in half by the doorway. In either case, you will be killed.

7. Never go to the stairs. The stairs have a different "moment of frequency" (they swing separately from the main part of the building). The stairs and remainder of the building continuously bump into each other until structural failure of the stairs takes place. The people who get on stairs before they fail are chopped up by the stair treads. They are horribly mutilated. Even if the building doesn't collapse, stay away from the stairs. The stairs are a likely part of the building to be damaged. Even if the stairs are not collapsed by the earthquake, they may collapse later when overloaded by fleeing people. They should always be checked for safety, even when the rest of the building is not damaged.

8. Get near the outer walls of buildings or outside of them if possible. It is much better to be near the outside of the building rather than the interior. The farther inside you are from the outside perimeter of the building the greater the probability that your escape route will be blocked.

9. People inside of their vehicles are crushed when the road above falls in an earthquake and crushes their vehicles; which is exactly what happened with the slabs between the decks of the Nimitz Freeway. The victims of the San Francisco earthquake all stayed inside of their vehicles. They were all killed. Everyone killed would have survived if they had been able to get out of their cars and sit or lie next to them. All the crushed cars had voids three feet high next to them, except for the cars that had columns fall directly across them.

10. I discovered, while crawling inside of collapsed newspaper offices and other offices with a lot of paper; that paper does not compact. Large voids are found surrounding stacks of paper.

The weekly ARES net for the greater Santa Rosa area is conducted on Mondays at 7:30 pm on 146.985 MHz, - offset, 88.5PL. All ARES members and guests are invited to check-in. Please join us.

BPL (from page 7)

essentially gave the Progress Energy Corp BPL field trial a clean bill of health despite continued interference on amateur frequencies.

The League delegation suggested to Adelstein that the OET has swept the North Carolina BPL interference case under the rug and has attempted to discount interference issues in general while overstating the FCC's ability to address them.

Other points the ARRL has stressed in its meetings with Commission members include:

- * consider including the NTIA's recommendations to standardize measurement procedures and to require that Access BPL systems be certificated, not merely verified.
- * requiring independent confirmation of rules compliance before a BPL system is placed in operation.
- * the need for advance public notification of BPL system locations and characteristics, something not included in the NPRM
- * performance standards for interference mitigation that would require that interference be terminated immediately upon notification to the operator; and meaningful penalties for non-compliance, including fines.
- * require BPL marketers to "give clear notice to potential customers that licensed radio services have priority and that the delivery of broadband service via BPL cannot be guaranteed."

In addition to Adelstein, ARRL representatives have met so far with Commissioners Kevin J. Martin, and Michael J. Copps. The League hopes to meet with the principal advisors to Chairman Michael K. Powell and Commissioner Kathleen Q. Abernathy before the October 7 cutoff for ex parte communications in the proceeding. *From ARRL Letter*

OCTOBER PROGRAM**Geocaching**

by

Lori Bennett-Tentrick KF6VFI
President, Del Norte ARS

BRING YOUR GPS TO THE MEETING!

Geocaching is one of the fastest growing sports (hobbies/games) in the world, with Geocaches in over 200 countries and over a million people from all walks of life participating. All that is required is a GPSr, access to the World Wide Web and a healthy sense of adventure. Part treasure hunt, part direction-finding exercise, I hope that my presentation will encourage more people to get outside and start finding things that could be right under their noses!

HOLIDAY DINNER

Can you believe how time has flown this year? We are already planning the annual SCRA Holiday Dinner. Like last year's well attended party, this year we will have a pot luck with the club supplying the main course. Please be sure to mark **Wednesday, December 1st, 6:30 PM** on your calendar. We will have more details for you at the meetings and in *Short Skip*.

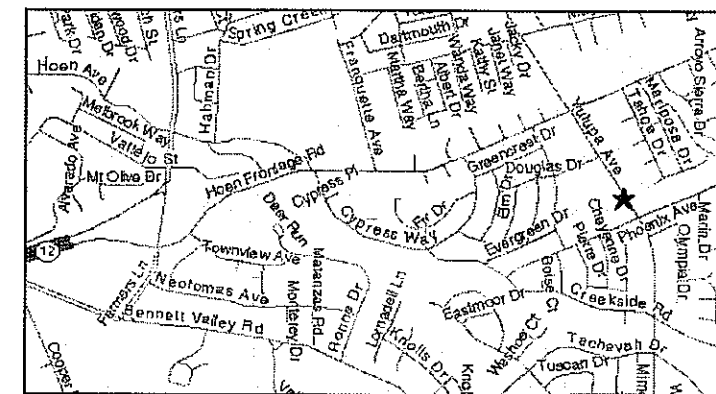
Are you a budding author? Write an article for *Short Skip* on a Ham radio-related subject, technical or non-technical. E-mail the article to kh6gfv@arrl.net. We'd love to see YOU in print!

CDS Enterprises CDS Wireless Inc.
Highspeed Internet --- Commercial Voice Mail --- DISH TV

Steven Carniglia
President

725 Farmers Lane #17
Santa Rosa, CA. 95405

707.573.3500 888.593.7348
Fax: 707.573.3516
steve@cdis1.net
www.cdis1.net

**MEETING LOCATION**

Luther Burbank Art & Garden, 2050 Yulupa Ave, Santa Rosa (Bennett Valley)

ALASKA!

Have you thought about making a cruise to Alaska? Bill KH6GJV is putting together a cruise for July 2005 on the luxurious Holland America line departing Vancouver BC on July 17, 2005 for Anchorage, AK. The seven day cruise will head north through Ketchikan, Juneau, Skagway, Glacier Bay and on to Seward/Anchorage. Pre and post cruise tours of Vancouver, Victoria and Denali are also available.

Interested? Contact Bill for more details. 707 544-4944 or kh6gfv@arrl.net (This is not an SCRA or ARRL sponsored event.)

BPL (from page 1)

The ARRL pointed out that the National Telecommunications and Information Administration (NTIA) has concluded that at the current Part 15 limit, interference is "likely" to receivers in land vehicles 75 meters from BPL-connected power lines and to fixed stations 460 meters from such power lines.

"Given the number of amateur stations and the fact that they almost invariably are located near power lines, the areas of potential interference at the existing Part 15 limit are clearly too large to permit case-by-case resolution of

(continued on page 8)

PARTS PROFESSIONALS // WHOLESALE-RETAIL // NO REPAIRS

BASHAM'S ELECTRONIC SUPPLY

345 West College Ave., Santa Rosa, CA 95401

Mon.- Fri. 8:00-5:30
Saturday 9:00-12:00
Sunday Closed

Steve Basham
OWNER

(707) 527-6000
(800) 675-7557
Fax (707) 527-1368



ARES Comm Log

by Rich Freitas KF6SZA
Sonoma County District
Emergency Coordinator

Triangle of Life

When I was a child, living through the "Cold War" era, one of the things that stands out in my mind was our training to "duck and cover" in the event of a disaster. I remember practicing diving under my desk as the disaster bell rang during one of our monthly drills. Somehow, we all felt that we had learned a skill that would save us should our building collapse around us. The following is an extract from an article by Doug Coop entitled "Triangle Of Life"; it was edited by Larry Linn for MAA Safety Committee on 4/13/04:

My name is Doug Copp. I am the Rescue Chief and Disaster Manager of the American Rescue Team International (ARTI), the world's most experienced rescue team. The information in this article will save lives in an earthquake.

I have crawled inside 875 collapsed buildings, worked with rescue teams from 60 countries, founded rescue teams in several countries, and I am a member of many rescue teams from many countries. I was the United Nations expert in Disaster Mitigation (UNX051-UNIENET) for two years. I have worked at every major disaster in the world since 1985, except for simultaneous disasters.

In 1996 we made a film which proved my survival methodology to be correct. The Turkish Federal Government, City of Istanbul, University of Istanbul, Case Productions and ARTI cooperated to film this practical, scientific test. We collapsed a school and a home with 20 mannequins inside. Ten mannequins did "duck and cover," and ten mannequins I used in my "triangle of life" survival method. After the simulated earthquake collapse we crawled through the rubble and entered the building to film and document the results. The film, in which I practiced my survival techniques under directly observable, scientific conditions, relevant to building collapse, showed there would have been zero percent survival for those doing "duck and cover." There would likely have been 100 percent survivability for people using my method of the "triangle of life." This film has been seen by millions of viewers on television in Turkey and the rest of Europe, and it was seen in the USA, Canada and Latin America on the TV program Real TV.

The first building I ever crawled inside of was a school in Mexico City during the 1985 earthquake. Every child was under their desk. Every child was crushed to the thickness of their bones. They could have survived by lying

down next to their desks in the aisles. It was obscene, unnecessary and I wondered why the children were not in the aisles. I didn't at the time know that the children were told to hide under something.

Simply stated, when buildings collapse, the weight of the ceilings falling upon the objects or furniture inside crushes these objects, leaving a space or void next to them. This space is what I call the "triangle of life." The larger the object, the stronger, the less it will compact. The less the object compacts, the larger the void, the greater the probability that the person who is using this void for safety will not be injured. The next time you watch collapsed buildings on television, count the "triangles" you see formed. They are everywhere. It is the most common shape, you will see, in a collapsed building. They are everywhere. I trained the Fire Department of Trujillo (population 750,000) in how to survive, take care of their families, and to rescue others in earthquakes.

The chief of rescue in the Trujillo Fire Department is a professor at Trujillo University. He accompanied me everywhere. He gave personal testimony: "My name is Roberto Rosales. I am Chief of Rescue in Trujillo. When I was 11 years old, I was trapped inside of a collapsed building. My entrapment occurred during the earthquake of 1972 that killed 70,000 people. I survived in the "triangle of life" that existed next to my brother's motorcycle. My friends who got under the bed and under desks were crushed to death [he gives more details, names, addresses etc.]... I am the living example of the "triangle of life." My dead friends are the example of "duck and cover."

TIPS DOUG COPP PROVIDES:

1. Everyone who simply "ducks and covers" WHEN BUILDINGS COLLAPSE is crushed to death - Every time, without exception. People who get under objects, like desks or cars, are always crushed.
2. Cats, dogs and babies all naturally often curl up in the fetal position. You should too in an earthquake. It is a natural safety/survival instinct. You can survive in a smaller void. Get next to an object, next to a sofa, next to a large bulky object that will compress slightly but leave a void next to it.
3. Wooden buildings are the safest type of construction to be in during an earthquake. The reason is simple: the wood is flexible and moves with the force of the earthquake. If the wooden building does collapse, large survival voids are created. Also, the wooden building has less concentrated, crushing weight. Brick buildings will break into individual bricks. Bricks will cause many injuries but less squashed bodies than concrete slabs.
4. If you are in bed during the night and an earthquake occurs, simply roll off the bed. A safe void will exist around the bed.

(continued on page 7)

Sonoma County Radio Amateurs, Inc.
Membership Meeting 9-1-2004
MINUTES

- 1) Call to Order, Verification of Quorum - The meeting was called to order by President Brian Torr, N6IY, at 7:35 pm at the Luther Burbank Arts and Garden Center. There were 23 people present.
 - a) Introductions
 - i) Officers & Directors - The club officers and directors introduced themselves. Treasurer Jim Lee, KE6VGV, and Director Gregory Gordon, AC6VJ, were excused. Randy Black, KE6VMZ, was absent
 - ii) Guest Speaker - Bob Olsten, WD6DPE, gave a synopsis of his talk on Carrier Telephone History.
 - iii) Visitors - John, KA0YZX, and Bob WB6TGI, introduced themselves.
 - iv) New Calls and Upgrades - None
 - 2) Approval of Minutes - It was moved and seconded by Dave, W6IBC, and Ron, KG6KTB, that the minutes as printed in Short Skip be approved. The motion passed.
 - 3) Officer and Director Reports
 - a) President - Brian, N6IY, had nothing to report
 - b) Vice President - Position open.
 - c) Secretary - Position open.
 - d) Treasurer - Jim, KE6VGV, was not present to give a report.
 - e) Directors -
 - i) Randy, KE6VMZ, was not present
 - ii) Gregory, AC6VJ, was not present.
 - f) Past President - KH6GJV, reviewed the PCAM Air Show
 - 4) Committee Reports
 - a) ARES - Rich, KF6SZA, was not present
 - b) Mobile Comm Van - Nothing to report
 - c) Activities Committee - Nothing to report
 - d) Newsletter Editor - Bill, KH6GJV, had nothing to report.
 - e) Public Service - Brian, N6IY, passed around sign-up sheets for the Waves to Wine bike tour on September 18 & 19.
 - f) Repeater Committee -
 - i) Status of repeaters - John Felton, KE5RI, gave an update on the status of the repeaters
 - ii) Net Control Volunteers - Greg, KG6THE, volunteered to run the Tuesday night net on one evening.
 - 5) Unfinished Business - None
 - 6) New Business - None
 - 7) Member Biography - None
 - a) Show & Tell - John, KE6RI, demonstrated a restored SCR-522 aircraft radio.
 - 8) Recess - There was a break from 8:10 pm to 8:30 pm
 - 9) Program - Bob Olsten, WD6DPE, described the history of carrier telephone systems.
 - 10) Raffles - None
 - 11) Announcements -
 - a) Program for October has not been determined
 - b) SCRA Board of Director's meeting will be 6:30 pm, September 8, at Marie Callendar's.
 - 12) Adjournment - The meeting was adjourned at 9:47 pm.

Sonoma County Radio Amateurs, Inc.
Board of Directors Meeting 9-8-2004
MINUTES

- Board Members Present: Brian Torr, N6IY; Jim Lee, KE6VGV; Randy Black, KE6VMZ; Bill Hillendahl, KH6GJV
Guests Present: Rich Freitas, KF6SZA
- 1) Call to Order, Verification of Quorum, Introductions. The meeting was called to order by President Brian Torr, N6IY, at 6:53pm. The meeting was held at Marie Callendar's, 2460 Mendocino Avenue, Santa Rosa. A quorum was present in that four of the seven voting board members were present.
 - 2) Approval of Minutes - Randy, KE6VMZ, moved that the minutes of the 8/11/2004 board meeting be approved. The motion passed.
 - 3) Officer and Director Reports
 - a) President - Brian, N6IY, had nothing to report
 - b) Vice President - Position Open
 - c) Secretary - Position Open
 - d) Treasurer - Jim Lee, KE6VGV reviewed the account balances
 - e) Directors
 - i) Randy, KE6VMZ had nothing to report

- ii) Gregory, AC6VJ was not present
- f) Past President - Bill, KH6GJV had nothing to report
- 4) Committee Reports
 - a) ARES - Rich, KF6SZA, reported that a SET involving the Blood Bank of the Redwoods may be a possibility.
 - b) Mobile Comm Van - Waiting to get the Toaster painted
 - c) Activities Committee -
 - i) PCAM - Bill, KH6GJV, gave a report on how PCAM went
 - d) Newsletter - Bill, KH6GJV, had nothing to report
 - e) Public Service - John, KD2L, was not present to give a report. The next event would be the Waves to Wine on September 18 and 19.
 - f) VE Liaison - No report
 - g) Repeater Committee - Gregory, AC6VJ not present
 - i) Net Control volunteers - 9/14 - KG6THE; 9/21 - KH6GJV; 9/21 - N6IY; 9/28 - Open. Brian, N6IY, will send out a request on the e-mail reflector asking for volunteers.
 - ii) Status of the repeaters - Discussion on how to provide adequate support for Waves to Wine bike tour.
 - iii) SCRA vs NARCC Update - No report.
 - 5) Unfinished Business
 - a) Program ideas for October were discussed.
 - 6) New Business -
 - a) Elections were discussed
 - b) Christmas Dinner will be similar to last year..
 - 7) Adjournment - The meeting was adjourned at 8:50 pm

If you are not getting the ARRL San Francisco Section news by e-mail and you are an ARRL member, be sure to subscribe under your Members Only information or go to <http://www.arrl.org/sections/?sect=SF> or <http://www.pdarrrl.org/sfsec/>

BPL (from page 3)

interference issues," Sumner said. "Based on experience with the very limited test deployments of BPL systems to date, notably in Cedar Rapids, Iowa, Southern Wake County, North Carolina, and Cottonwood, Arizona," the ARRL told Adelstein, "widespread BPL deployment at the existing Part 15 radiated emission limit will result in an unmanageable incidence of interference."

The only way to reduce these areas of potential interference is to reduce the radiated emission limit, the ARRL maintained. Mandatory "notching" of the amateur bands by 30 dB would reduce the probability of interference to amateur stations sufficiently that the remaining interference cases might be resolved on a case-by-case basis. "However," the League added, "such notching would not solve the problem for other radio services."

The ARRL contingent, which included Sumner, ARRL General Counsel Chris Imlay, W3KD, and ARRL Chief Technology Officer Paul Rinaldo, W4RI, decried the FCC's lack of response to issues Sumner raised two months ago regarding a North Carolina Amateur Radio interference complaint. The ARRL representatives carried copies of correspondence questioning a July OET report that

(continued on page 8)

HSC Web Specials!

The items below can be found in the "Specials" area of our on-line shopping pages at www.halted.com...check them out and use our secure site to place your order for the holidays!

Fujitsu FPG-310 Color Pen Plotter GPIO (IEEE-488) interface Boxed, w/ manual, cord, 90-day warranty HSC# 19131	Computer Power Supply, ATX, 145W HSC# 18350
Rechargeable 12VDC Battery 40 AH, lead/acid, Yuasa NPX-150R HSC# 18917	Network card, ISA bus, 10-Base T HSC#18943
Server Cabinet, ATX rack mount, with Power Supply, White color HSC# 80541 New Price!	Computer Speakers, powered HSC# 18662
Battery charger, NiMH HSC# 19151	Game-pad, Microsoft "Sidewinder" HSC# 80486
SCSI Controller, Initio, PCI Bus HSC# 18218 New Price!	Compact AC Inverter for the car, 100W HSC# 19021 New Price!
SCSI Controller, Adaptec 1505, ISA Bus HSC# 17995 New Price!	Motherboard, 486DX4 AT HSC# 18529 New Price!
Mouse, 2-button HSC# 18731	Motherboard, Baby AT, 486VLB HSC# 19003
Mouse, w/ numeric keypad HSC# 80539	Multimeter, analog, VOM HSC# 18260
Scrolling mouse, translucent body HSC# 18829	Multimeter, DMM, with transistor check HSC# 80370
Computer Power Supply, ATX 200W, "Mini-Tower"-style HSC# 18665 New Price!	Multimeter, DMM, tilt-up display, nical HSC# 80504
	Computer Joystick, "FX2000" HSC# 18772 New Price!
	Tower Chassis, 7-Bay "RAID" HSC# 80544

Disk Drive Deals!

- Seagate ST15150N 4.3 GB "Barracuda" SCSI
 - 7,200 RPM, 5.0/0.0 ms avg. seek time
 - 21 Hdr, 11 Dhr, 3,711 Cyl.
 - Standard 50-pin SCSI
 - 3.5" size, half-height (1.5" tall)
 - Features: 90-day warranty
- HSC# 18412 \$32.50**
- Seagate ST1917FWC, Ultra-SCSI Wide Area
 - Formatted capacity: 9.1GB
 - Spindle speed: 7200 RPM
 - 3.5" size, half-height (1.5" tall)
 - 40-124 mb/s/sec internal transfer rate
 - Average Access (read/write): 9.7-10.7 ms
- HSC# 18753 \$39.95**
- Special...buy this drive & get a 50-pin (HSCA23700) or 68-pin (HSCA23725) Adapter for \$10.00! Normally a \$20-30 value!

PCMCIA Goodies!

- EPSON Ethernet PCMCIA interface card
 - Both 10Base2 and 10BaseT cables included
 - Compatible with notebooks/PCs with Type II slot
 - Hot card insertion and removal - no power down
 - No jumpers or switches - Two LED status lights
 - New, boxed, desktop & manual, 90-day warranty
- HSC# 19125 \$9.95**
- Intel "PRO100" PCMCIA Network Adapter Card
 - MSL1A1800LAN card supports 10BaseT/100BaseTX
 - For PC Card Type II socket, 32KB packet buffer
 - Full duplex support (10Mbps networks only)
 - Ethernet Specs: IEEE 802.3 & 802.3u spec
 - With RJ45 cable, OEM packed, 90-day warranty
- HSC# 19190 \$39.50**
- Epson/Adaptec APA460B PCMCIA SCSI Card
 - Up to 2 MB/byte/sec PC Card bus rate
 - New, OEM pack with DB25 cable, 90-day warranty
- HSC# 19160 \$49.50**

VHS Video To Go!



- "Videocon" Model No. VHS-105 player deck
- Dual power option! - 110VAC or 12VDC!
- Perfect for entertaining the kids in the van!
- Many other uses: home, business, camping
- Standard HiSC VHS format, full front-panel controls, soft-touch buttons with LEDs
- Remote control sensor on front panel - remote NOT included, may work with generic remotes?
- Removed from working service, 90-day HSC warranty

HSC# 19048 \$19.95!

VHS for even less!



- Magnavox Model No. VHS1000T01 video player
- Standard F-type connector for cable connection
- Front panel switch selects Ch 3 or Ch 4 output
- HCA jacks for line level video/audio connect
- Pulled from working service. Units have slight markings from removed infrared beam sensor covering front-panel infrared detector. Remote NOT included
- For 110VAC, 60Hz operation
- Removed from working service, 90-day HSC warranty

HSC# 19152 \$17.50!

External CD-R/W!



- Hewlett-Packard Model 7200 Series CD-R/W
- Use just like a floppy! Shares printer port
- Drag & drop up to 650MB on a single CD!
- 2X write on CD-R/W, up to 6X read on CD-R
- 1X RW, 150KB/sec, 2X RW 300KB/sec
- 6X Read 600KB/sec - drives avail. at HP website
- EIDE (ATAPI) interface w/MMC, front tray load
- 74 min. on 120mm disk, 21 min. with 80mm disk
- Power supply not included (pinout provided)
- Refurbished, 90-day HSC warranty

HSC# 19036 \$49.50

Lab Bench Supply!

- Model No. AEEC-350, 0-50VDC @ 3 Amp
- 110VAC, 60Hz - 150VA - small footprint
- Dual digital meters for voltage and current
- Short-circuit protected, grounded "a" cord
- New, IEC power cord, manual, 90-day warranty

HSC# 80606 \$139.00

Variable Transformers!

- One of the most useful instruments on your bench!
- Always wanted one, but they were too expensive?
- Two sizes to choose from, now they're affordable!
- Both new in box, made in China
- Model AEEC-500VR

- 0 - 120 VAC output, 500VA
 - Measures 6 5/8" x 9" x 7" tall
 - Features meter, illuminated switch, line cord, fuse
- HSC# 80474 \$45.00**

Our most popular model!

- Model AEEC-200VR
 - 0 - 120 VAC output, 200VA
 - Measures 5 1/2" x 10" x 9 1/2"
 - Features meter, illuminated switch, line cord, fuse
- HSC# 80461 \$95.00**

Solder Pots!

- Finally...we found a source for solder pots! New, 90-day HSC warranty, very handy for the workbench!
 - AEEC-10P - handy compact desktop unit
 - 110VAC, 110 Watts - perfect for small jobs
 - Adjustable temp. levels - 300 to 430 deg. C
 - Bath dimensions: 36mm, dia x 30mm, deep
- HSC# 80610 \$32.00**

EASY NETWORK!

Multi-PC Web Access...
Save Money!
Up to 4 PC's on one phone line!

- Perfect for homes/small businesses
- Slave printers, word books, backup files
- Proxy server for multi-PC internet access!
- Only one phone line needed for ISP connection
- Includes 4-port hub/56K modem & 1 network card
- If you want more than two PC's networked, you will need more network cards (HSC# 18493, \$4.95)
- 50 ft network cable, driver/installation manual CD
- OEM package, new, 90-day warranty

HSC# 80599 \$29.95

- ...or, you can just buy the modern/vint-hub card!
- Comes with installation software CD
- You can connect your own 10-BaseT network PC's (up to 16) to its hub and cable!
- OEM package, new, 90-day warranty

HSC# 18942 \$17.50

HSC Electronic Supply

Toll Free (Orders Only) 1-800-4 HALTED (1-800-442-5833)

World Wide Web: <http://www.halted.com>

3500 Ryder St.
Santa Clara, CA 95051 408-732-1573

4837 Amber Ln.
Sacramento, CA 95841 916-338-2545

5681 Redwood Dr.
Rohnert Park, CA 94928 707-585-7344



For over 35 years, HSC has been your best source for high-tech goodies from Silicon Valley! Haven't visited us yet? You owe it to yourself to come see our constantly-changing, mind-boggling array of electronic parts, equipment, computers, and scientific gear! Find out why knowledgeable engineers, technicians and hobbyists make HSC their first stop for all their techno-shopping needs!

Terms: Some quantities limited, all items are subject to prior sale. Minimum order: \$10.00 plus shipping. Orders under \$20.00 subject to \$2.00 handling fee, in addition to shipping. All orders shipped FOB Santa Clara, CA (this means you pay freight!) by UPS Surface (no P.O. Boxes) unless otherwise specified, in which case prevailing carrier rate plus \$5.00 handling fee may apply. Prepaid orders that don't include shipping charges will be shipped freight COD. There is a \$6.00 UPS charge added to shipping charges for COD shipments. If you have questions about your order, please call Customer Service at (408) 732-1854 M-F 9AM to 5PM PST.

ANAHEIM, CA
(Near Disneyland)
933 N. Euclid St., 92801
(714) 533-7373
(800) 854-6046
Janet, KL7MF, Mgr.
anaheim@hamradio.com

BURBANK, CA
2416 W. Victory Bl., 91506
(818) 842-1786
(800) 854-6046
Eric, KAGIHT, Mgr.
Victory Blvd. at Buena Vista
1 mi. west I-5
burbank@hamradio.com

OAKLAND, CA
2210 Livingston St., 94606
(510) 534-5757
(800) 854-6046
Mark, W17YN, Mgr.
I-880 at 23rd Ave. ramp
oakland@hamradio.com

SAN DIEGO, CA
5375 Kearny Villa Rd., 92123
(619) 560-4900
(800) 854-6046
Tom, KM6K, Mgr.
Hwy. 163 & Claremont Mesa
sandiego@hamradio.com

SUNNYVALE, CA
510 Lawrence Exp. #102
94085
(408) 736-9496
(800) 854-6046
Howard, KE6PWH, Mgr.
So. from Hwy. 101
sunnyvale@hamradio.com

NEW CASTLE, DE
(Near Philadelphia)
1509 N. Dupont Hwy., 19720
(302) 322-7092
(800) 644-4476
Jim, KA3ILL, Mgr.
Rt. 13 1/4 mi. So. I-295
newcastle@hamradio.com

PORTLAND, OR
11705 S.W. Pacific Hwy.
97223
(503) 598-0555
(800) 854-6046
Leon, N7YX, Mgr.
Tigard 99W exit
from Hwy. 5 & 217
portland@hamradio.com

DENVER, CO
8400 E. Hill Ave. #9, 80231
(303) 745-7373
(800) 444-9476
Joe, KD0GA, Mgr.
John, N5EHP, Mgr.
denver@hamradio.com

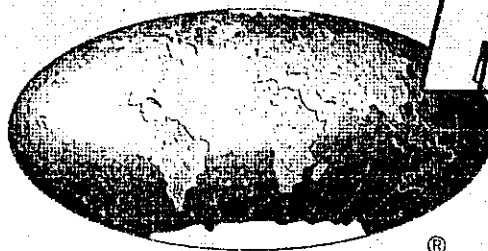
PHOENIX, AZ
1939 W. Dunlap Ave., 85021
(602) 242-3515
(800) 444-9476
Gary, N7GJ, Mgr.
1 mi. east of I-17
phoenix@hamradio.com

ATLANTA, GA
6071 Buford Hwy., 30340
(770) 263-0700
(800) 444-7927
Mark, KJ4VO, Mgr.
Doraville, 1 mi. no. of I-285
atlanta@hamradio.com

WOODBIDGE, VA
(Near Washington D.C.)
14803 Build America Dr., 22191
(703) 643-1063
(800) 444-4799
Steve, N4SR, Mgr.
Exit 161, I-95, So. to US 1
woodbridge@hamradio.com

SALEM, NH
(Near Boston)
224 N. Broadway, 03079
(603) 898-3750
(800) 444-0047
Chuck, N1UC, Mgr.
sales@hamradio.com
Exit 1, I-93,
28 mi. No. of Boston
saalem@hamradio.com

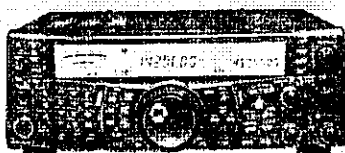
12 STORE BUYING POWER



HAM RADIO OUTLET

WORLDWIDE DISTRIBUTION

KENWOOD



TS-2000 HF/VHF/UHF TCVR

- 100W HF, 6M, 2M • 50W 70CM
- 10W 1.2 GHz w/optional UT-20 module
- IF Stage DSP • Built-in TNC, DX packet cluster
- Backlit Front Key Panel

Low Intro Price!



TH-D7A(G) 2M/440

- 2M/440 Dual Band
- Built-in 1200/9600 Baud TNC
- APRS Compatible
- DX Packet Cluster Monitor
- 200 Mems., CTCSS
- VC-III Messaging Control

Low Pricing!



TM-D700A 2M/440 Dualband

- 50W VHF 35W UHF • Opt. Voice Synthesizer
- Receives 118-1300 mHz (cell blocked)
- Remote Head Inst. only (kit included)
- 290 Memories • Built in 1200/9600 baud TNC
- Advanced APRS Features
- DX Packet Cluster
- Tone Scan • GPS/VIC-H/PC Ports

**COAST TO COAST
FREE SHIPPING**
UPS - Most Items Over \$100

World's Largest Ham Radio Store
The Store Nearest To You!

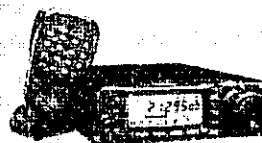
YAESU



VX-7R

- 50/2M/220/440 HT
- Wideband RX
- 900 Memories
- 5W TX (300mw 220MHz)
- Li-Ion Battery
- Fully Submersible to 3 ft.
- Built-in CTCSS/DCS
- Internet VARES compatible

Great Price!



FT-100D HF/6M/2M/70CM Trans.

- Compact Transceiver w/detachable front panel
- Rx 100kHz to 970mHz (cell blocked)
- Tx 100W 160-6M, 50W 2M, 20W 70CM
- Built-in DSP, Vox, CW keyer
- 300 Memories

Low Pricing!



FT-1000MP MKV HF Trans.

- Enhanced Digital Signal Processing
- Dual RX
- Collins SSB filter built in
- 200W, External power supply

Low Pricing!

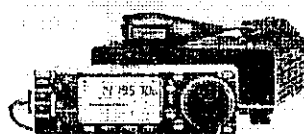
OAKLAND, CA

2210 Livingston St., 94606
(510) 534-5757
(800) 854-6046
Mark, W17YN, Mgr.
I-880 at 23rd Ave. ramp
oakland@hamradio.com

SUNNYVALE, CA

510 Lawrence Exp. #102
94085
(408) 736-9496
(800) 854-6046
Howard, KE6PWH, Mgr.
So. from Hwy. 101
sunnyvale@hamradio.com

ICOM



IC-706MKIIG HF/VHF Transceiver

- All mode HF/6M/2M/70CM
- 100W HF/6M, 50W/2M, 20W/440 MHz
- AF-DSP • Plug and Play Filters • No Soldering
- Easy-to-Navigate menus

Low Pricing!



IC-756 PRO II All mode Transceiver

- 160-6M @ 100W • Enhanced Rx performance
- 32 bit IF DSP • SSB/CW Synchronous tuning
- Enhanced 5 inch color TFT w/spectrum scope
- Selectable IF filter shapes for SSB & CW
- Multiple DSP controlled AGC loops
- Advanced CW functions
- 101 alphanumeric memories

The Ultimate Radio!

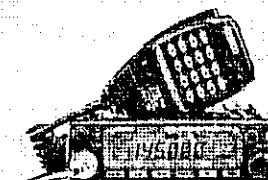
ALINCO



DJ-196T 2M/HT

- 5 Watt out
- 40 memories
- Alphanumeric display
- CTCSS + DCS built in
- "S" meter
- Auto Dialer

Low Pricing!



DR-135TP 2M mobile

- 50 Watt out • Alpha numeric display
- 100 mems • Built-in TNC 1200 & 9600 Baud
- Front Panel GPS in • Rear DB-9 port
- CTCSS/DCS Encode/Decode built in

Low Pricing!