

Calendar of Events

Nov 1	Fri	7:30 PM	Marin ARC Meeting, Alto Clubhouse, 27 Shell Road, Mill Valley
Nov 2	Sat	10:00 AM	Red Oak Victory ARC Meeting, Point Richmond
Nov 6	Wed	5:30 PM 7:30 PM	Dinner at Marie Callenders, 2460 Mendocino Ave, Santa Rosa SCRA Meeting, Agilent Technologies, 1400 Fountain Grove Prkwy, Santa Rosa
Nov 13	Wed	6:30 PM	SCRA Board of Directors Meeting, 3450 Airway Dr., Santa Rosa
Nov 19	Tues	7:30 PM	Hamilton Wireless Assoc., Bldg 549, Hamilton Field, Novato
Nov 20	Wed	7:00 PM Wed 7:30 PM	REDXA Meeting, Carrow's, Petaluma Valley of the Moon ARC Meeting, McDougall Hall, Sonoma Developmental Center, Glen Ellen.
Dec 4	Wed		SCRA POTLUCK CHRISTMAS PARTY! Agilent Technologies, 1400 Fountain Grove Prkwy, Santa Rosa

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

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WB6FRZ



Club Station  
**W6LFI**

# 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>  
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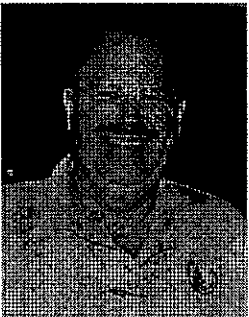


Repeater Station  
**W6SON**

Volume 27 Number 11

November 2002

**QTC**  
by  
Bill Hillendahl KH6GJV  
SCRA President



Can you say  
"CQ Contest?"

The temperatures are dropping, the leaves are falling, rain is due. Winter is nearly here. What are you going to do on that drizzly weekend that keeps you indoors? How about working a contest?

Contesting is one of the many activities that many hams really enjoy. If you have ever worked a contest, like Field Day or the California QSO Party, you may have been bitten by the contesting bug. The thrill of the hunt gets the blood flowing and many have been hooked for life. But, some are intimidated by the rapid fire passing of "exchanges" and the chaos of a pile-up. Don't be. Contesting isn't really all that hard. It just requires a little time to get the rhythm of the contest and to develop you own style of working it. You just have to jump in and try it.

If you haven't worked a contest before, ask a club member who has if you can visit his or her shack while they are operating a contest. Most will welcome you to join them and will help you get started.

There is generally at least one contest running each weekend through the Winter months. A list of contests can be obtained through the ARRL website at: [www.arrl.org/contests](http://www.arrl.org/contests) Each contest has its own rules and requirements for "exchanges." The exchange is the bit of information that must be passed and logged to validate the contact. There are a variety of logging programs that help with contesting and submitting the log to the contest sponsor.

What's the reward? FUN! The thrill of working a new country that you needed for the DXCC. It's during a contest that many Hams fill those voids in their logs for the rare contact. You may also qualify for awards that would look good on your shack wall. *(continued on page 3)*

SCRA FILES SUIT AGAINST NARCC

ARRL General Counsel Chris Imlay W3KD  
Supports SCRA's Position to FCC

On October 19, 2002, the Sonoma County Radio Amateurs, Inc.(SCRA), filed an action against the Northern Amateur Relay Council of California, Inc. (NARCC), in the Superior Court of California in the County of Contra Costa. The suit was prompted by the FCC's lack of regulatory jurisdiction over the conduct of Amateur Radio frequency coordination entities.

The complaint details NARCC's failure to follow its own adopted policies and states that NARCC willfully and maliciously deprived SCRA of its rights as a NARCC member and under law. The complaint also alleges that certain NARCC Directors acted out of personal interest in the issue and failed to disclose their personal interest.

SCRA has operated a repeater on 146.73 MHz in Sonoma County since 1974 with coordination certificates issued by NARCC to the club. In January 2001, in concert with the County of Sonoma, NARCC disavowed SCRA's coordination. ARRL Pacific Division Director Jim Maxwell W6CF investigated the matter and issued his conclusions in July 2001 that NARCC had erreded and that SCRA should prevail. NARCC disregarded Maxwell's conclusions and issued a coordination certificate to the County of Sonoma.

In a January 2002 e-mail to FCC's Riley Hollingsworth, ARRL General Counsel Chris Imlay W3KD stated, "...the coordinator had actual knowledge of the operation of the SCRA repeater at the second site prior to coordinating the county onto the original site. This, to me, is unconscionable. A coordinator has in this instance at least exacerbated, if not created, the interference problem by exercise of a pseudo-licensing function." *(continued on page 4)*

## 2002 Club Officials

President	Bill Hillendahl	KH6GJV	707 544-4944
Vice President	Brian Torr	N6IYY	707 575-5871
Secretary	Jeff Basham	W2JAB	707 542-3860
Treasurer	Vicki Cero	KF6ZCT	415 673-3859
Director	John Breckenridge	WB6FRZ	707 838-6398
Director	Jim Lee	KE6VGJ	415 892-0317
Past President	Greg Gordon	AC6VJ	707 523-7077
Activities Chairman	Mark Lockwood	KK7CU	707 332-4836
Public Service Chairman	John Mullan	KD2L	707 575-9176
Repeater Chairman	Greg Gordon	AC6VJ	707 523-7077

## Short Skip &amp; Web Staff

Editor	Bill Hillendahl	KH6GJV	707 544-4944
Hank's Swap Shop	Jeff Basham	W2JAB	707 542-3860
Web Master	Jeff Basham	W2JAB	707 542-3860

## Contacts

Antenna Ordinance/Legal	Lee Dibble	KE6EAQ	707 544-1675
Public Relations	Bill McCall	W6WDM	707 538-2844
Raffles	Mark Lockwood	KK7CU	707 332-4836
Refreshments	Ted DeCroff	KB6PTA	707 542-4008
TV/RF Interference	Alan Bloom	N1AL	707 538-7115
Volunteer Exam Liaison	John Mullan	KD2L	707 575-9176

SCRA Hotline 707 579-9608

SCRA E-Mail [scra@sonomacountyradioamateurs.com](mailto:scra@sonomacountyradioamateurs.com)SCRA Web Site <http://www.sonomacountyradioamateurs.com>

## Tuesday Night Net

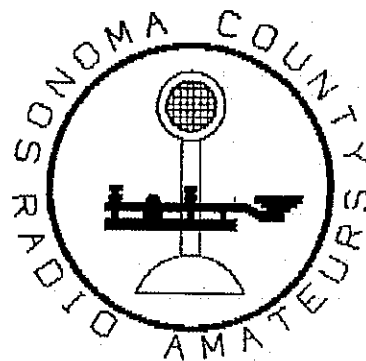
Check in to the SCRA net each **Tuesday** evening on the **146.985-(PL 88.5)** repeater at **7:00 PM**. Announcements are made of upcoming SCRA and other amateur radio activities in the area and what is listed in Hank's Swap Shop. You will also hear the weekly *Amateur Radio Newslines* broadcast.

## Short Skip Advertising Rates

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Full page (one side)	\$ 35
Pre-printed inserts (each)	\$ 35
<b>Guaranteed circulation of 150 per month!</b>	
For more information, contact the Editor.	

## HUNGRY BEFORE THE MEETING?

**JOIN US FOR DINNER!** We meet at **Marie Callenders** restaurant, 2460 Mendocino Avenue (corner of Mendocino & Chanate), Santa Rosa. People start showing up at **5:30 PM**. No RSVP is required! See you there!



**NEXT MEETING**  
**November 6th**  
**7:30 PM**

## Program:

**SCRA Repeater**  
**Operations**  
 Gregory Gordon AC6VJ

(See article)

## CLUB MEETINGS

The club normally meets the first Wednesday of each month at:

**Agilent Technologies**  
**1400 Fountaingrove Parkway**  
**Santa Rosa, CA**

The meeting starts at 7:30 PM

**ALL ARE WELCOME!**

Please join us at our next meeting. Membership in SCRA is open to anyone interested in Amateur Radio. A membership application is included in this newsletter.

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

## SCRA's Mobile Communications Unit

### The "Toaster"

The Toaster has found a home. Thanks to Rich Freitas for arranging the parking place.

A substantial amount of work has been done on the RV since the club took on the project in January. Next to be installed is the 12 volt wiring for the different radio locations. The 12 volt system will use the Anderson Power Pole connectors for radios and other equipment. The Anderson Power Pole is the new power connector standard adopted by ARRL's ARES. The RV will also make use of West Mountain Radio's RigRunner power busses that use the Power Pole connectors.

If you have not had a chance to come by and help, make it a point to do so. The project is fun and you get to be on the ground floor of designing and building the club's mobile communications center. The "Toaster" will be able to be used at public service events, Field Day, ARES events, and, of course, true emergencies should the need arise. The vehicle will also be a good public relations device to keep Amateur Radio in the mind of the general public. **Work parties are scheduled periodically on Saturdays from 10 AM until about Noon at Lee Dibble's home, 1290 Parsons Drive, Santa Rosa. Watch for announcements from Lee for work days. Come and join the fun!**

## Fresh-Tasting "Toaster" Fundraiser

By John Breckenridge, WB6FRZ

The club needs your help in a tasty fund-raiser for the "Toaster!" As many of you know, the club has taken on the project of restoring a motor home (the "Toaster") and transforming it into an effective portable communications center. To raise funds for this task, we are asking YOU to help sell coupon books for tasty deals at Fresh Choice restaurants. The price is \$5 per book and contains \$85 worth of coupon savings at any Fresh Choice restaurant. Buy several to sell or as gifts, or get one for yourself and family. Either way you win, and the community is served by making it easier for your club to complete work on this worthy project. For details, contact John Breckenridge, WB6FRZ at (707)838-6398 or come to the next club meeting.

- Maintain a sense of adventure - there are things to do if your travels take you to Erie, Ohio, in February.
- Complete surveys and return them.
- When the note on the refrigerator says it will emptied this Friday, get your salad dressing. Cleaning the refrigerator is the one corporate initiative that's always fully implemented.

From "Never confuse a memo with reality" by Richard A. Moran

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<b>Dues &amp; Fees:</b> (SCRA dues year is from 3/1 to 2/28)		<b>Payment Calculations:</b> Make checks payable to SCRA	
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## Peggy Whitson Helps Netherlands' Scouts Celebrate Jamboree on the Air

US Astronaut Peggy Whitson, KC5ZTD, made Jamboree On The Air (JOTA) a very special occasion this year for Boy Scouts and Girl Scouts in The Netherlands. One of the International Space Station's Expedition 5 crew members and the only woman, Whitson on October 20 answered questions posed by the scouts via Amateur Radio. The direct, 2-meter contact with PA3HGQ was arranged as part of the Amateur Radio on the International Space Station (ARISS) program.

"The scouts were very impressed by the quality of the radio link and delighted to have an astronaut joining the Jamboree On The Air right from the International Space Station," said ARISS Vice Chairman Gaston Bertels, ON4WF. On hand for the official opening of the JOTA in The Netherlands was Dutch astronaut Andre Kuipers, who congratulated the Ascanen scouting group of Lelystad for their ARISS QSO with Whitson.

More than 100 scout groups from all over The Netherlands listened in on the downlink while Whitson answered about a dozen questions. At the contact site, parents and friends of the 20 youngsters selected to take part assisted with the space chat, and local radio and TV stations covered the event.

Several of the questions the Dutch youngsters asked mirrored those often put to crew members by their American counterparts. One Scout asked about how the ISS crew prepared its meals. Whitson explained that meals in space are pre-cooked and stowed in foil packages or cans. "It's just a matter of warming it up or adding water," she said.

Whitson told another questioner that the crew can see weather from space. "It's beautiful up here," she said, noting that the crew can recognize such systems as hurricanes. "At night, we can even see thunderstorms," she added. Whitson said the crew can see the aurora borealis (northern lights) too. "They're beautiful from here!" she declared.

Bertels said the NA1SS downlink also was monitored at Flanders Expo in Ghent, Belgium, where a science exhibition for youth drew a big audience. At a booth set up by the Royal Belgian Amateur Radio Union (UBA) and devoted primarily to ARISS, visitors--mostly youngsters, parents and teachers--followed the pass of the ISS on a screen showing the world map.

"The UBA also was very pleased to use this opportunity to demonstrate Amateur Radio at its best to the public visiting a popular scientific and technological event," Bertels remarked. He said many amateur stations all over Western Europe tuned into the downlink and reported excellent copy.

ARISS is an international project with US participation by NASA, ARRL and AMSAT.--Gaston Bertels, ON4WF, provided information, photographs and audio-video for this report.

*From ARRL Letter*

## FCC Rescinds 146.52 Mhz Advisory Notices

FCC Special Counsel for Enforcement Riley Hollingsworth has told five amateurs in Ohio and Michigan to disregard his earlier admonitions to avoid lengthy QSOs on 146.52 MHz. That's the generally recognized national simplex calling frequency and is endorsed as such by the ARRL's 2-meter band plan. Acknowledging, however, that some confusion exists within the amateur community as to whether 146.52 is a national calling channel or just another simplex frequency, Hollingsworth decided to simply rescind the five advisory notices he'd sent October 15.

"We made an error in issuing that Advisory Notice, and you may disregard it," Hollingsworth wrote October 23 in letters to the affected amateurs. Commenting to ARRL, Hollingsworth was blunt yet good-natured. "I goofed," he said. "If I were worried about making a fool of myself from time to time, I never would have become a lawyer in the first place."

Amateurs commenting to the FCC and on various newsgroups reportedly were bewildered by the FCC advisory notices. An ARRL error apparently contributed to the confusion. Hollingsworth did not find 146.52 MHz singled out as the national simplex calling frequency in his edition of The ARRL's FCC Rule Book (12th edition, 1st printing). The designation does appear in subsequent printings of the Rule Book, however, as well as in recent editions of The ARRL Operating Manual and The ARRL Repeater Directory 2002/2003.

Hollingsworth says that operation that does not comply with a generally accepted band plan such as ARRL's is not illegal. He points out, however, that band plans--to the extent that they're followed--do help to keep down friction among various users and make his job a lot easier.

"I don't consider it a big deal. I was just trying to raise awareness," he said, adding that the FCC has no intention of making band plan compliance mandatory.

Hollingsworth told ARRL this week that he had initially written four amateurs in Ohio and one in Michigan on the basis of complaints about lengthy contacts on 146.52 MHz in late September and early October. Those QSOs, he said, averaged 45 minutes and in some cases lasted up to an hour. Two of the amateurs who had received the October 15 advisories already have contacted Hollingsworth and agreed to cooperate with the original requests, now rescinded.

"In an ideal world, stations making initial contact on 146.52 MHz probably should move off to another accepted simplex channel to continue their conversation," Hollingsworth said. "The main thing is, we're all in this together, and the goal is to make Amateur Radio last 1000 years."

All ARRL band plans are available on the ARRL Web site: [www.arrl.org/FandES/field/regulations/bandplan.html](http://www.arrl.org/FandES/field/regulations/bandplan.html)

*From ARRL Letter*

## November 6th Program SCRA Repeater Operations

The program for our November meeting will be on the club repeaters. **SCRA Repeater Chairman Gregory Gordon AC6VJ** will have pictures of the radio installations and will discuss the systems. Greg invites members to join his periodic repeater classes where he shows how the whole thing goes together and how to keep it running.

At the October meeting, **Mark Lockwood KK7CU** told the membership about commercial satellite operations. Mark works for Loral Skynet, a commercial satellite manufacturer and management firm with stations around the world. The control of the satellites is much more complex than the amateur satellites and the positioning requirement is very, very



SCRA Pres. Bill KH6GJV (L) presents Mark Lockwood KK7CU with a certificate of appreciation for his service as SCRA Activities Chairman.

precise, with little room for error. Mark recently was promoted (the good news), but (here it comes) his new position is on the East coast. Mark started the drive East on Friday after the meeting.

Mark was the club's Activities Chairman for the year that had several terrific events. Alcatraz, Field Day, IMAX etc. Thanks much, Mark. We'll miss you. Best of luck in your new job. 73 & CUL!

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 [kh6gjbv@arrl.net](mailto:kh6gjbv@arrl.net). We'd love to see YOU in print!

## Weekly Ragchew Night

Calling all SCRA members... dust off your microphone and loosen up your jaw! Starting November 5th we're having a weekly ragchew following the Tuesday night net on the club repeater (146.985-). Everyone is welcome and please join in, even if you just want to say "hello".

Do you have any ideas for future club events? Need help with your shack or a new antenna? Found a great restaurant? Let's talk about it. All topics are fair game, so make it lively!

73,  
Josh AD6XI

## QTC (continued from page 1)

There are several books and a couple of videos to help the novice contester get started. Check the ARRL website for books on contesting. CQ Magazine's video called "Getting Started in Contesting" is a good beginners reference. The monthly magazines, QST, CQ and WorldRadio, generally have an article on contesting.

I think the best way to learn about contesting is to do a little homework first, then work with an experienced contester. What better way to visit another shack!

Whether you contest on phone or CW, just get out there and contest!

"Where there is no law, but every man does what is right in his own eyes, there is the least of real liberty."

— Henry M. Robert

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## ARES Comm Log

by Rich Freitas KF6SZA  
Greater Santa Rosa  
Emergency Coordinator

Most of you are probably aware that a rift developed between ARES and ACS a couple of years ago in Sonoma County. There were many differences of opinion that led up to the split and a lot of hard feelings afterwards; frankly, at this point, I really don't care, as it's now "water under the bridge". In my opinion the end result, however, was much more serious as emergency communications in this area were severely hampered. I believe it's time to set the hurt feelings aside and act as professionals to repair the damage both for the good of the county and amateur radio. To that end, meetings have begun between ARES and ACS personnel.

It has long been my belief that there is no reason the two groups shouldn't peacefully coexist; moreover, there is an overriding reason we should develop a mutually respectful working relationship: the main purpose of both groups is to provide emergency communications to our community in time of need. I am not proposing that the two groups meld together or combine into a single organization; in fact, the mission statements of the respective organizations specifically state the differences in direction. ACS is chartered to provide "tactical, logistical and administrative support and communications for all government communications systems". ARES, in contrast, "is a radio communication service certified by the American Radio Relay League, and conducted by volunteer licensed radio operators, for providing emergency radio communications to public service organizations". As you can see, the main difference is clearly spelled out in the last three words of each mission statement. I do, however, honestly believe that both organizations can develop a professional working relationship with each other. In addition, it is my opinion that both groups should view the other as a potential resource pool in time of need.

Realistically speaking, when the bovine excrement hits the rotating machinery, there aren't enough communicators, nets or repeaters to handle the emergency; we will always have to make do with the

limited resources available at the time. I encourage all hams to become involved in as many volunteer organizations as they feel comfortable with. You'll never know where you're needed most until an emergency arises and that's where your training will make the difference between a successful response and a mediocre one.

To date, the meetings have included Ken Harrison, Sonoma county ACS Radio Officer; Jim Goodman, Santa Rosa ACS Unit Leader; Roger Sigtermans, ACS Assistant Radio Officer; Lee Dibble, ARES Section Emergency Coordinator; and, myself. Within the next few months Jim Goodman and I will be planning a small-scale, joint exercise between ACS and ARES personnel. After that ..... we'll see what happens. My hope is that we can evolve into a coordinated emergency effort we will all be proud of.

The ARES net meets on Mondays at 7:30 PM on the 146.985 MHz, - offset, 88.5 PL. Everyone is welcome to participate.

## SCRA v NARCC (continued from page 1)

Imlay went on to say, "Looking at the matter from the perspective of a person concerned about coordinator excesses, it seems that the outcome should be that the coordinator is at fault here for creating the interference problem."

The suit asks for a court order compelling NARCC to certify the coordination of the SCRA repeaters on 146.73 MHz, to withdraw the coordination certificate issued to the County of Sonoma, costs of the suit and other remedies the court deems appropriate.

NARCC has thirty days from the filing date to respond to the suit.

Sonoma County Radio Amateurs, Inc.  
Membership Meeting, October 2, 2002

### MINUTES

1. Call to Order, Verification of Quorum - President, Bill Hillendahl, KH6GJV called the meeting to order at 19:31 hours. The meeting was held at the Agilent Technologies facility in Santa Rosa.
  - a. Introductions
    - i. Officers and Directors - The club officers and directors introduced themselves.
    - ii. Guest Speaker - KK7CU was introduced.
    - iii. Visitors - W6IBC, KG6MZY and Joyce
    - iv. New Calls and Upgrades - None
2. Approval of Minutes of August 7, 2002 - Sue K8SUE moved that the minutes of the August 7, 2002 membership meeting be approved. John KE5RI seconded the motion, and it carried.
3. Officer and Director Reports
  - a. Vice President - Brian Torr, N6IY - Brian discussed the possibility of a club roster being issued with the membership and passed around a form with allowed members to "opt-out" of the roster available to club-members.
  - b. Secretary - Jeff Basham, W2JAB - Jeff had nothing to report.
  - c. Treasurer - Vicki Cero, KF6ZCT - Vicki gave the financial report.
  - d. Directors
    - a. John Breckenridge, WB6FRZ - John was not present to make a report.
    - b. Jim Lee KE6VGV - Jim had nothing to report.
  - e. Past President - Greg Gordon AC6VJ - Greg had nothing to report.
4. Committee Reports
  - a. ARES - Rich Freitas KF6SZA - Rich corrected his earlier report, and announced that they SET would be on October 26, 2002, from 1pm-4pm.
  - b. Mobile Communications Vehicle - Lee Dibble KE6EAQ - Lee announced that if the club did not find a home for the toaster in two weeks time, he would be putting it up for sale. (Since then a parking spot has been secured.)
  - c. Activities Committee - Mark Lockwood KK7CU - Mark gave a report on the Antenna Building Party, and also announced that he would be moving, due to a job promotion.
    1. T-Hunts - Mark announced that Josh Fiden would be taking over organizing the club T-Hunts.
    2. Trip to Apollo 13 IMAX - Mark announced that Bill Hillendahl KH6GJV would be handling organizing this trip.
  - d. Newsletter - Bill Hillendahl KH6GJV - Bill announced that several members had not gotten their newsletters this month. The BoD is looking into this.
  - e. Public Service Committee - John Mullan KD2L - John thanked everyone for their help with the 2002 season.
  - f. Repeater Committee - Greg Gordon AC6VJ - Greg asked how the repeater linking worked for the public service event. Greg also reported that he will be starting repeater classes again, Saturdays at 1:30pm, leaving from the SW Parking Lot at Yardbirds. Call Greg at 707-523-7077, if you are interested in attending. Status of Repeaters: English Hill - Fully operating, Castle Rock - Standby Operation, Geysers - 2 meters is off, and 6m if operating fine.
5. Unfinished Business - There was no unfinished business.
6. New Business
  - a. Nominations for 2003 BoD / Nominating Committee - Contact a board member if you have a nomination to make.
  - b. Member of the Year committee - Bill KH6GJV gave a report.
7. Member Bio - Cortland KA5S told about his amateur radio experiences.
8. Show and Tell - Cortland KA5S showed off his Field Strength Meter, and gave numerous uses for it.
9. Recess/Break - The meeting recessed.
10. Program - Mark Lockwood KK7CU gave a presentation on Commercial Satellites. Bill KH6GJV presented Mark with a plaque for his efforts as Activities Chairman and Field Day Chairman this year.
11. Raffles
  1. Regular Raffle - Mark KK7CU did not hold a regular raffle.
  2. Membership Lottery - Sue K8SUE ran the membership lottery. Dave Haupt W8NF was selected. Dave was not present, and the lottery rolled over.
12. Announcements
  1. Next Meeting - Club Elections, and Greg with Repeater Show and Tell.
  2. Board Meeting is next Wednesday at Furniture Traditions in Santa

Rosa, at 6:30pm  
13. The meeting was adjourned at 21:38 hours.

Sonoma County Radio Amateurs, Inc.  
Board of Directors Meeting, October 9, 2002

### MINUTES

- Board Members Present: Bill Hillendahl KH6GJV, Brian Torr N6IY, Jeff Basham W2JAB, Vicki Cero KF6ZCT, John Breckenridge WB6FRZ, Jim Lee KE6VGV, Greg Gordon AC6VJ  
Committee Chairmen Present: Rich Freitas KF6SZA, John Mullan KD2L  
Committee Chairmen Absent: Lee Dibble KE6EAQ  
Guests Present: Sue Mullan K8SUE
1. Call to Order, Verification of Quorum, Introductions - President Bill Hillendahl KH6GJV called the meeting to order at 6:42pm. The meeting was held at Furniture Traditions, 3450 Airway Drive in Santa Rosa. A quorum was present in that all 7 of the voting board members were present. Introductions were not required.
  2. Approval of Minutes - Brian N6IY moved that the minutes of the September 11, 2002 Board Meeting be approved as printed in the club's newsletter, Short Skip. The motion carried.
  3. Officer and Director Reports
    - a. Officers
      - i. Vice President - Brian N6IY - Brian had nothing to report.
      - ii. Secretary - Jeff W2JAB - Jeff had nothing to report.
      - iii. Treasurer - Vicki KF6ZCT - Vicki passed out the current treasurer's report and went over the financial position with the board.
    - b. Directors
      - i. Jim Lee KE6VGV - Jim had nothing to report.
      - ii. John Breckenridge WB6FRZ - John reported that Brian and himself helped a club member install his HF antenna recently.
    - c. Past President - Greg AC6VJ - Greg has nothing to report.
  4. Committee Reports
    - a. ARES - Rich KF6SZA - Rich reported that the next S.R. ARES SET would be on October 26, 2002 at 1pm. Rich also reported that Ed KQ6OB has been appointed as the ARRL Asst. EC for the Greater Santa Rosa Area. Rich also said that he has had two meetings between himself and the Sonoma County ACS folks, trying to achieve a situation in which both groups and co-exist peacefully, during a disaster.
    - b. Mobile Communications Van - Lee KE6EAQ - Lee was not present to make a report. Bill KH6GJV gave the report in Lee's place. Various discussion was held.
    - c. Activities Committee - Position Vacant - There was not a report.
    - d. Newsletter - Bill KH6GJV - Bill reminded the BoD that the newsletter deadline would be this weekend.
    - e. Public Service Committee - John reported that the Public Service season is over.
    - f. Repeater Committee - Greg Gordon AC6VJ
    - g. Status of Repeaters - Greg reported that all of the club repeaters are up and operating. Tuesday Night Net Control - 11/5 - VJ, 11/12 - GJV, 11/19 - IY, 11/26 - VGV
    - h. Nominating Committee - This duty has been assigned to the BoD as a whole. The so-far unfilled nomination slots were discussed.
    - i. Member of the Year Committee - The BoD selected this committee's secret member, and the member accepted the position.
  5. Unfinished Business
    - a. Meeting Programs - November - Elections & Repeater Show and Tell, December - Pot Luck, Christmas Celebration and Awards night. John KD2L and Brian N6IY were asked to head this up.
    - b. Club Calendar - No Changes
  6. New Business
    - a. Selection of New Activities Chairman - The BoD decided since we are at the end of the year, the Activities Chairman position will be left Vacant until next year.
    - b. Santa Net - Ed Russell will be asked to head this up.
  7. Announcements - There were no announcements.
  8. Adjournment - The meeting was adjourned at 8:07pm



**ANAHEIM, CA**  
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(800) 854-6046  
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anaheim@hamradio.com

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K6CWA 2210 Livingston St.  
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san-diego@hamradio.com

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Rt. 123 & Union Rd., 285  
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denver@hamradio.com

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Linn, K5GFR Manager  
phoenix@hamradio.com

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Doraville, Ga. 30095-1125  
atlanta@hamradio.com

**WOODBRIDGE, VA**  
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(800) 444-9799  
Mike, K4MDC Manager  
Ext. 181, 843-1653  
woodbridge@hamradio.com

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# 12 Store Buying Power!



# HAM RADIO OUTLET

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## 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

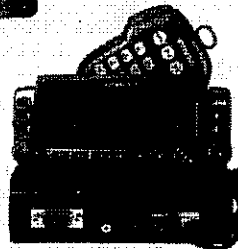
Call Now For Low Intro Price!



### TH-D7A(G) 2M/440

- 2M/440 Dual Band
- Built-in 1200/9600 Baud TNC
- APRS Compatible
- DX Packet Cluster Monitor
- 200 Memos, CTCSS
- VC-H1 Messaging Control

Call Now For 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)
- 200 Memories • Built In 1200/9600 baud TNC
- Advanced APRS Features
- Dx Packet Cluster
- Tone Scan • GPS/VC-H1/PC Ports

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(800) 854-6046  
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So. from Hwy. 101  
sunnyvale@hamradio.com

## ICOM



### IC-706MkIIIG 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

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### IC-756 PRO All Mode Transceiver

- 100W HF/6M • Newly designed 32 bit DSP
- 5 inch TFT color LCD • Digital IF filter with 41 passband widths
- 121 microphone equalized audio settings
- Multiple DSP controlled AGC loops
- Advanced CW functions
- Real time spectrum scope

Call Now For The Ultimate Radio!

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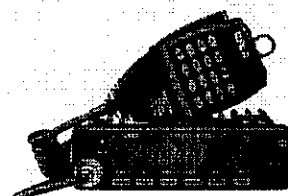


### DJ-196T 2M HT

- 5 Watt out
- 40 memories
- Alphanumeric Display
- CTCSS + DCS Built-in
- "S" Meter
- Auto Dialer

CALL NOW

FOR LOW PRICE!



### 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

## YAESU

### VX-5R

50/2M/440HT

- Wideband RX, 6M-2M-440TX
- 5W output
- 220 mems, opt. barometer unit
- Alpha Numeric Display
- CTCSS/DCS built-in
- Li-Ion Battery

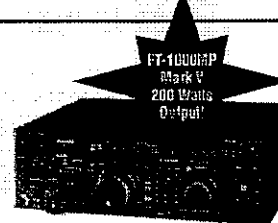
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### FT-100D HF/6M/2M/70CM Trans.

- 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

Call Now For Low Pricing!



### FT-1000MP HF Transceiver

- Enhanced Digital Signal Processing
- Dual RX
- Collins SSB filter built-in
- 100W, Power supply built-in

Call Now For Low Pricing!

## HSC Web Specials!

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

Fujitsu FPG-310 Color Pen Plotter GPIB (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# 18862
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# 80639	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# 18666 New Price!	Multimeter, DMM, lift-up display, nice! HSC# 80504
	Computer Joystick, "FX2000" HSC# 18772 New Price!
	Tower Chassis, 7-Bay "RAID" HSC# 80544

### Disk Drive Deals!

- Seagate ST15150N 4.3 GB "Baracuda" SCSI  
7200 RPM, 8,090 ms avg. seek time
  - 21 Hds, 11 Data, 3.711 Cyl.
  - Standard 50-pin SCSI
  - 3.5" size, half-height (1.5" tall)
  - Refurb, 90-day warranty
- HSC# 18412 \$32.50**
- Seagate ST1917 (WC, Ultra-  
SCSI Wide AS2)
  - Formatted capacity: 9.1GB
  - Spindle speed: 7200 RPM
  - 3.5" size, half-height (1.5" tall)
  - 80-124 mb/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 66-pin (HSCA23720) 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 slots
  - Hot card insertion and removal - no power down
  - No jumpers or switches - Two LED status lights
  - New, boxed, diskette & manual, 90-day warranty
- HSC# 19125 \$9.95**
- Intel "PRO/100" PCMCIA Network Adaptor Card
  - MELA1000 LAN card supports 10BaseT/100BaseTX
  - For PC Card Type II sockets, 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 APM4608 PCMCIA SCSI Card
  - Up to 2 MB/sec PC Card bus rate
  - New, OEM pack with D325 cable, 90-day warranty
- HSC# 19160 \$49.50**

### VHS Video To Go!



- "Videoconics" Model No VHS-103 player deck
- Dual power option - 110VAC or 12VDC
- Perfect for entertaining the kids in the tent!
- Many other uses: home, business, camping...
- Standard NTSC VHS format, full front-panel controls, soft-touch buttons with LED's
- 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 VFR100ATD1 video player
- Standard "F" type connectors for inline connection
- Front panel switch selects Ch.3 or Ch.4 output
- BGA packs for line level video/audio connect
- Pulled from working service. Units have slight markings from removed infrared transmit element covering front panel infrared detector. Remote NOT included
- For 110VAC, 60Hz operation
- Removed from working service, 90-day HSC warranty

**HSC# 19152 \$17.50!**

### EASY NETWORK!

- Multi-PC Web Access...  
Save Money!  
Up to 4 PC's on one phone line!
- Perfect for homes/small businesses
  - Share printers, send faxes, 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 PCs 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/hub card!
- Comes with installation software CD
- You can connect your own 10-BaseT network PC's (up to three) to its hub and save!
- OEM package, new, 90-day warranty

**HSC# 18942 \$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: 900KB/sec - drives avail, all HP webdrive
- EIDE (ATAPI) interface w/MAC, 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. AECC-368, 0-50VDC @ 3 Amp
- 110VAC, 60Hz - 150VA - small footprint
- Dual digital meters for voltage and current
- Short-circuit protected, grounded I-Pe 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, new they're affordable!
- Both new in box, made in China
- Model AECC-600VR
- 0 - 120 VAC output, 500 VA
- Measures 6.5" x 9" x 7" tall
- Features meter, illuminated switch, line cord, fuse

**HSC# 80474 \$45.00**

- Our most popular model!
- Model AECC-2080VR
- 0 - 120 VAC output, 2KVA
- Measures 8" x 10" x 9.5"
- 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!
- AECC-10P - handy compact desktop unit
  - 110VAC, 110 Watts - perfect for small jobs
  - Adjustable temp. levels - 300 to 430 deg. C
  - Bath dimensions: 30mm dia x 30mm deep

**HSC# 80610 \$32.00**

## HSC Electronic Supply

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