

## Calendar of Events

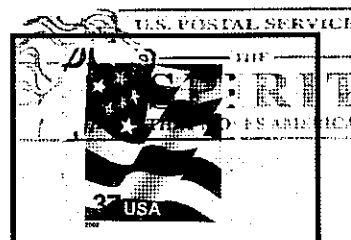
Apr 2	Wed	5:30 PM 7:30 PM	Dinner at Marie Callenders, 2460 Mendocino Ave, Santa Rosa. SCRA Meeting, Agilent Technologies, 1400 Fountain Grove Prkwy, Santa Rosa
Apr 4	Fri	7:30 PM	Marin ARC Meeting, Alto Clubhouse, 27 Shell Road, Mill Valley
Apr 5	Sat	10:00 AM	Red Oak Victory ARC Meeting, Point Richmond
Apr 6	Sun		Public Service - MS Walk Contact: John KD2L (707) 575-9176
Apr 9	Wed	6:30 PM	SCRA Board of Directors Meeting, Agilent Technologies
Apr 15	Tues	7:30 PM	Hamilton Wireless Assoc., Bldg 549, Hamilton Field, Novato
Apr 16	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.
Apr 19	Sat	9:00 AM	VE Test Session - SCRA Agilent, 1400 Fountaingrove Prkwy, Santa Rosa Contact: John KD2L (707) 575-9176
Apr 26	Sat		Sonoma Hamfest - Valley of the Moon ARC. Visit <a href="http://www.vomarc.com">www.vomarc.com</a> for details.
Jun 20-22			San Francisco Section Convention - Ferndale <a href="http://www.humboldt-arc.org">www.humboldt-arc.org</a>

## Sonoma County Radio Amateurs, Inc.

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

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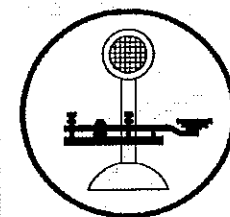
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WB6FRZ



Club Station  
W6LFFJ

## Short Skip

newsletter of the

Sonoma County Radio Amateurs, Inc.

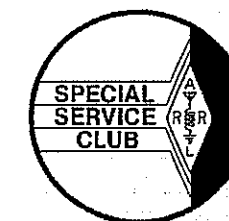
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Repeater Station  
W6SON

Volume 28 Number 4

April 2003

QTC

by  
Bill Hillendahl KH6GJV  
SCRA President



### Want to learn more about Ham Radio?

Want to know an easy way to learn more about Amateur Radio and meet some great people? It's really easy. VISIT OTHER CLUBS!

With my membership in other local clubs and visitations to many more, I continually pick up more technical information and make some great friends along the way. Right here in Sonoma County there are other really terrific clubs that you can visit: Redwood DX Association ([www.redxa.com](http://www.redxa.com)), the Valley of the Moon ARC ([www.vomarc.com](http://www.vomarc.com)) and the Empire Amateur Radio Society ([www.qsl.net/ear](http://www.qsl.net/ear)).

REDXA is a club that emphasizes contesting and DX. The membership is mostly comprised of more experienced HF operators who are more than willing to pass on their knowledge to newcomers. Their monthly meetings are held the third Wednesday of each month at 7:00 PM at Carrow's restaurant in Petaluma. It is a dinner meeting with generally a presentation on a rare Dxpedition, contest or foreign travel.

VOMARC is a club with a similar format to SCRA, but smaller in size. Is that bad? Absolutely not! It has an advantage. I have visited when the members were working on building an electronic project designed by Mike Miller WB6TMH. Not something you can do with a large crowd. VOMARC meets on the third Wednesday of each month at 7:30 PM at the Sonoma Developmental Center near Glenn Ellen.

EARS is a loose-knit, informal group that has  
(continued on page 4)

### CALIFORNIA ANTENNA BILL HEARING POSTPONED

A legislative committee hearing on California's latest attempt to pass an Amateur Radio antenna bill, Assembly Bill 1228, has been postponed until April 2 while the lawmakers turn their attention to more pressing matters. "They are going ahead full speed on the budget now," explained ARRL Pacific Division Director Bob Vallio, W6RGG, who had been among those scheduled to testify on behalf of the bill. AB 1228 was introduced February 21 by Assemblyman Bob Dutton (R-63rd) and has been referred to the Committee on Local Government. Mike Mitchell, W6RW, who is spearheading amateur activity in support of AB 1228 says letters to the committee in support of the measure must be received by Friday, March 28, to be considered at the Wednesday, April 2, hearing. Send letters to Committee Chair and Assembly Member Simon Salinas, Assembly Local Government Committee, 1020 N Street, Room 157, Sacramento, CA 95814. In large letters on the envelope and below the address on the letter itself write "AB 1228 (Dutton) SUPPORT." Letters will be summarized for the committee's consideration.

From ARRL Letter

### RED "LAST ISSUE" STICKER?

Is there a RED STICKER next to your name on the mailing label? If so, then that means that we have not received your dues for the 2003-2004 fiscal year. This IS your LAST issue of *Shortskip*! We will miss YOU! The dues are \$20 per year for individual members and \$30 per year for a Family membership. Students under 18 years of age are half price (\$10). Please take a couple of minutes and complete the membership information on the inner last page and mail it and your dues. Better still, bring them with you to the April meeting. If you have been stickered in error, please contact the club President, Bill KH6GJV. Thanks!



## 2003 Club Officials

President	Bill Hillendahl	KH6GJV	707 544-4944
Vice President	Brian Torr	N6IYY	707 575-5871
Secretary			
Treasurer	Jeff Basham	W2JAB	707 542-3860
Director	Josh Fiden	AD6XI	707 874-3940
Director	Jim Lee	KE6VGV	415 892-0317
Past President	Greg Gordon	AC6VJ	707 523-7077
Activities Chairman	Josh Fiden	AD6XI	707 874-3940
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	Karl Johnston	K6QMT	
Refreshments	Ted DeCroff	KB6PTA	707 542-4008
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

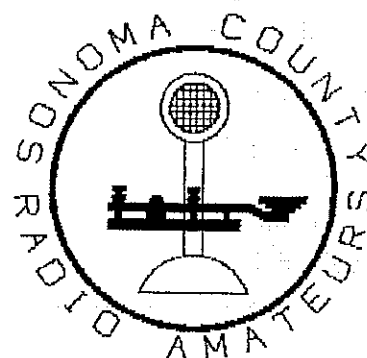
Check in to the SCRA net each **Tuesday** evening on the **146.985-(PL 88.5)** repeater at **7:00 PM**. Announcements are made of upcoming SCRA and other amateur radio activities in the area and what is listed in Hank's Swap Shop. You will also hear the weekly *Amateur Radio Newsline* broadcast.

## Short Skip Advertising Rates

Business Cards	\$ 12
1 <sup>st</sup> Quarter Column	\$ 13
Each Addn'l Quarter Column	\$ 4
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**  
**April 2nd**  
**7:30 PM**

**Program:**  
**Col. Gerry Schumacher**  
**&**  
**Homebrew Night**

(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.

Champa, K8OCL [k8ocl@arrl.net](mailto:k8ocl@arrl.net). Hinternet Radio Local Area Networks (RLANs) typically use direct-sequence spread spectrum between 2412 and 2437 MHz and are capable of simultaneously carrying audio, video and data signals. Hinternet aficionados adapt commercial 802.11b interfaces designed for Part 15 operation to amateur use.

The HSMM Web survey is brief and permits an opportunity for open-ended input. It asks if respondents have a IEEE 802.11 or "other high-speed digital station" running under Part 97. If so, amateurs are asked to register their stations. It also asks respondents to explain how they might use a high-speed digital system or network if they were to set one up.

Champa urged Hinternet-minded amateurs to also report what they've learned and any new applications to the ARRL IEEE 802.11b reflector operated by Texas A&M University <http://listserv.tamu.edu/archives/arrl-80211b.html> (and linked from the "HSMM Resources" menu under "Contacts").

Asked if the Hinternet is catching on within Amateur

Radio, Champa simply points to the more than 15,000 hits to the HSMM Working Group's Web site. The Hinternet also is the focus of the article "High Speed Multimedia Radio" by Kris Mraz, N5KM, in the April 2003 issue of QST.

Hinternet proponent Mark Williams, AB8LN, of Milford, Michigan, says he envisions growth of amateur 802.11b operation to cover all large metropolitan areas in the US, not just the few miles some contend is the outer limit for such point-to-point connections. "This is just too easy," he says. "With some of the Amateur Radio pioneering that we are famous for, we should be able to push this technology to its limits--50, 75 and 100-mile links at 2.4 GHz." He said wireless networks dedicated to Amateur Radio stretching across states and linking hams everywhere with high-speed voice and video are possible. "File-sharing and e-mail, network gaming and pop-up chat are just the tip of a titanic iceberg," he predicted.

Applications abound for public service work too. Amateurs recently involved in the Texas search for debris from the shuttle Columbia used a 802.11b high-speed system on ham radio to link the net control station in Nacagdoches with the Internet.

More information is available on the ARRL High Speed Digital Networks and Multimedia Web page <http://www.arrl.org/hsmm/>.  
*From ARRL Letter*

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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	\$ 20 (\$5.00/qtr)
Family Membership	\$ 30 (\$7.50/qtr)
Under 18 Membership	\$ 10 (\$2.50/qtr)
Badge	\$ 7

## Badge Information

Call Sign \_\_\_\_\_  
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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

**QTC** (continued from page 1)

periodic breakfasts, runs Amateur Radio classes, puts on the multi-club Special Event Station at the Pacific Coast Air Museum, has coordinated trips to the Hamvention in Dayton, Ohio, and the most recent mini-DXpedition to Alcatraz. In the planning stages are other mini-DXpeditions and an Alaskan cruise.

Don't mind driving a bit? There are a number of other clubs, north and south of Sonoma County, within an hour's drive that are well worth visiting. To name a few, the Marin Amateur Radio Club, the Hamilton Wireless Association, the Lake County ARC, the Willits ARS, the San Francisco ARC, the Lambda/Golden Gate ARC, the Red Oak Victory ARC and to the east, the Silverado ARC.

For more information on clubs, visit the ARRL Pacific Division web site at [www.pdarrrl.org](http://www.pdarrrl.org)

I travel to other clubs quite a bit. Want to go along for the ride? Give me call. If there's room in the car, you are welcome to come along!

## PERSISTENCE MAKES PERFECT FOR SPACE STATION QSO

Persistence paid off March 11 when students at Eugene Field School in Park Ridge, Illinois, finally got to quiz astronaut Don Pettit, KD5MDT, about life aboard the International Space Station. One earlier effort failed when the earth station and NA1SS ended up on different 2-meter frequencies due to a communication breakdown.

The contact, arranged by the Amateur Radio on the International Space Station (ARISS) program, also was postponed several times because of schedule conflicts. When everything came together, however, Pettit was able to answer 19 questions put to him by the students, who were obviously well-prepared for the occasion.

Among other topics, Pettit described his interest and research into thin films of water, which, he said, look much like soap bubbles in space. He also described how a tin of food that would normally float off the table while he was eating would stay in place if he applied a small drop of water to the tin's bottom. Pettit explained that the surface tension of the water will keep the container from floating off.

"Thunderstorms look like giant flashbulbs going off in the clouds," Pettit told one student who asked what

they looked like from the vantage point of the ISS. To see meteor showers, he explained to another student, the astronauts have to look down toward Earth--rather than up--to see the meteors burn up in the atmosphere. The crew also has been able to see the change of seasons on Earth.

Pettit--who has been handling the bulk of the ARISS school contacts for the Expedition 6 crew--also told another youngster that he is not afraid of being in space. "So far I haven't been afraid while I've been in space, but I do get afraid when I see scary movies at the movie theater," Pettit said. His reply drew a round of laughter in the classroom back on Earth.

Zero gravity, which Pettit has said he'll miss when he returns to Earth, is a favorite question topic. "Being in zero gravity is like flying in your dreams," Pettit said in describing the experience. Brushing your teeth in space involves one twist. "You've got to swallow your toothpaste, because there's no place to spit it out," he explained.

Audio of the contact was distributed to five other elementary schools and two middle schools in the suburban Chicago school district. Several local TV and radio affiliates showed up to record the contact and interview the students afterwards.

The contact was handled via W6SRJ at Santa Rosa Junior College in California. Two-way audio was handled via a WorldCom teleconferencing circuit. Tim Bosma, W6ISS, moderated the QSO. ARISS is an international project with participation by ARRL, NASA and AMSAT. For more information, visit the ARISS Web site <http://ariss.gsfc.nasa.gov>.

*From ARRL Letter*

## ARRL SURVEYING INTEREST IN HIGH-SPEED DIGITAL NETWORKS

The ARRL High Speed Multimedia (HSMM) Working Group is surveying the amateur community to gauge interest in IEEE 802.11b "Hinternet" activity. The HSMM Working Group encourages spread-spectrum communication modes including such protocols as IEEE 802.11b operating on Amateur Radio frequencies under FCC Part 97 rules. It's adopted Hinternet (a contraction of "ham" and "Internet") as a way to describe the technology. The HSMM Working Group's survey is on the ARRL Web site <http://www.arrl.org/hsmm>.

"The primary goal of the survey is to encourage amateurs to get on the air and start playing with this cheap digital microwave gear," says HSMM Working Group Chair John

## April is Homebrew Night!

By Brian Torr N6IYY

Well, it's that time of year again... Homebrew Night! This traditional program for the April meeting gives each of us a chance to show off something of our own creation. So, what's worthy of bringing to Homebrew Night? Virtually anything but the kitchen sink (unless, of course, you've found a way to use the kitchen sink as a satellite antenna reflector, in which case, bring it, too). Big or small, simple or complex, it doesn't matter, bring it! If it's too big to haul in, bring pictures.

Could some gizmo you've got be too simple for Homebrew Night? Not likely. Sometimes something simple you cobbled together, and may have even forgotten about by now, could be just the thing to help another ham solve some nagging problem. So, even if it's something you no longer use, bring it.

Ham radio is about education, and each of us are teachers as well as students. We learn from each other. Homebrew night is an excellent opportunity to show what we've learned and pass that knowledge on to others.

**At the last meeting.....** Brian Torr N6IYY acted as moderator as Brian and several other members described their adventures in installing hidden and semi-stealth antennas at their homes. Many of the antenna designs were quite creative. Rich Freitas KF6SZA has a loop attached to an SGC antenna tuner in his attic. Thin black wire strung about is almost invisible. Under the eaves (no metal gutters) is a good place to hide something. Some antennas made one question if family and guests might "glow in the dark" from the RF exposure! The main point was that any antenna was better than no antenna; some contacts were better than no contacts. The best example of that is Tom Schiller of Force 12 Antennas who as worked all states on his

light bulb antenna. If you are "antenna challenged," contact a club member. Something that will work can probably be put in.

## Col. Gerry Schumacher Special Guest on 4/2

In addition to our annual Homebrew Night, we will have Col. Gerry Schumacher (ret) to give us some perspective on the issues facing coalition forces in Iraq.

Col. Schumacher served for 32 years in the U.S. Army and has special knowledge in desert training and testing tactical and technical security of critical defense installations, radar, missile, communications sites and nuclear power plants.

Now the President of Base-T Consulting Group in Marin County, Col. Schumacher is involved in the design, manufacturing and distribution of security and surveillance products to government agencies.

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](mailto:kh6gfv@arrl.net). We'd love to see YOU in print!



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## ARES Comm Log

by Rich Freitas KF6SZA  
Sonoma County District  
Emergency Coordinator

### ARES / ACS MOU

Several months ago ACS and ARES representatives held a series of meetings to work through the issues that have stood between the two groups for the last three years. As a result of those meetings and quite a number of subsequent e-mails, ACS drafted a Memorandum of Understanding (MOU) last November. This MOU formally establishes a framework for mutual recognition and future cooperation between the two groups. This good-faith effort will put the relationship between ARES and ACS on the correct path.

It is important to point out that this agreement is not the work of one person but, rather, the collective result of people who acknowledged that a need existed and were willing to dedicate the time to make it happen. I am pleased to announce that ARES and ACS officials have signed the MOU. Acceptance of the MOU shows that both organizations stand together in their commitment to emergency communications and service to the community.

If you know them, please thank the following: Lee Dibble, KE6EAQ, for working through the issues and his attention to detail; Len Gwinn, WA6KLK, for advancing the document through the ARRL approval; Ken Harrison, , for his willingness to bring his organization to the meeting table; Jim Goodman, KD6JZJ, for participating in the discussions; and, Roger Sigtermans, KF6RWE, for bringing the discussions together in written form.

It is important to remember that emergency communications requires a group effort to bring logic from the chaos that occurs when a disaster strikes. Too often we lose sight of the "big picture" and neglect our real purpose ... to support our served agencies.

The ARES net meets weekly on Mondays at 1930 hours on the ARES repeater 146.835 MHz, - offset, 88.5 PL. Please join us.

"Evil prevails when good men do nothing."

## SONOMA HAMFEST

Saturday, April 26<sup>th</sup>

Sonoma Vets Memorial Building  
126 First Street West, Sonoma

The annual Sonoma Hamfest hosted by the Valley of the Moon Amateur Radio Club will be held on Saturday, April 26<sup>th</sup>, at the Sonoma Veteran's Memorial Building in Sonoma. The site is across from the Sonoma Police department.

The event includes a swap meet, VE test session, OSCAR-40 demonstration, T-Hunt and other activities. Don't forget about the terrific breakfast put together by the VOMARC folks for the incredible price of \$5!

The talk-in frequency is the 145.35- (PL 88.5) repeater. Cost to get in? NOTHING! Cost for a vendor table? \$10 (cheap!)

Put in on your calendar! For more information, check the web site at [www.vomarc.com](http://www.vomarc.com)

## VE TEST SESSION

Saturday, April 19<sup>th</sup>, 9:00 AM

Agilent, 1400 Fountaingrove Parkway, Santa Rosa

SCRA will be hosting its Spring VE test session on Saturday, April 19<sup>th</sup> starting at 9:00 AM SHARP! Walk-ins are welcome. All test elements (theory and CW) will be offered. Be sure to bring official photo ID, the original and a copy of any existing license or CSCE. For more information, contact John Mullan KD2L at (707) 575-9176 or [jmullan@pacbell.net](mailto:jmullan@pacbell.net)

## PUBLIC SERVICE EVENT

### SEASON OPENS

MS Walk

Sunday, April 6<sup>th</sup>

SCRA's Public Service Season opens with the MS Walk on April 6<sup>th</sup>. A low-impact event, the MS Walk is a good way to hone those traffic skills tha have been dormant for the Winter. John will need about a dozen volunteers. Contact John Mullan KD2L at (707) 575-9176 or [jmullan@pacbell.net](mailto:jmullan@pacbell.net) if you want to help.

Sonoma County Radio Amateurs, Inc.

Membership Meeting 3-5-2003

### MINUTES

1. Call to Order, Verification of Quorum - The meeting was called to order by President Bill Hillendahl KH6GJV at 7:32 PM at the Santa Rosa Agilent Technologies facility. There were more than 41 people present.
  - a. Introductions
    - i. Officers & Directors - The club officers and directors introduced themselves.
    - ii. Guest Speakers - Brian Torr N6IY was introduced.
    - iii. Visitors - There were several visitors.
    - iv. New Calls & Upgrades - None
2. Approval of Minutes - Ed Russell KJ6XB moved that the minutes of the February 5, 2003, be approved as printed in Shortskip. The motion passed.
3. Officer & Director Reports
  - i. President - Bill Hillendahl KH6GJV - Nothing to report.
  - ii. Vice President - Brian Torr N6IY - Nothing to report.
  - iii. Secretary - no report
  - iv. Treasurer - Jeff Basham W2JAB - Excused absence - No report.
  - v. Directors -
    - i. Josh Fiden AD6XI - Excused absence - No report.
    - ii. Jim Lee KE6VGV - Excused absence - No report.
  - ii. Past President - Greg Gordon AC6VJ - nothing to report
4. Committee Reports
  - a. ARES - Rich Freitas KF6SZA - Rich discussed the ARES repeater on 146.835 in Santa Rosa; Rich asked for volunteers to put together the next Simulated Emergency Test.
  - b. Mobile Comm Van - Greg Gordon AC6VJ - The insurance quote for the RV was wrong. The State Farm agent will absorb the premium difference for the first 6 months. Members were asked to check with their agents to see if the club can get a better quote.
  - c. Activities Committee - Josh Fiden AD6XI - Field Day planning is ongoing. Assistance is requested.
  - d. Newsletter - Bill Hillendahl KH6GJV - Nothing to report.
  - e. Public Service & VE - John Mullan KD2L - The next VE session will be in April 19<sup>th</sup> at Agilent. April 6<sup>th</sup> will be the MS Walk and May 3<sup>rd</sup> will be the Wine Country Century.
  - f. Repeater Committee - Greg Gordon AC6VJ
    - d. Net control volunteers - Greg requested Net Control volunteers. Walter Masten KG6OXW volunteered.
    - e. Status of Repeaters - Greg reported that everything the club runs is up and running. Next work party will be on Saturday, March 15<sup>th</sup>. Members are welcome.
    - f. SCRA v NARCC - An amended petition had been filed.
5. Unfinished Business - None
6. New Business - Fred Polkinghorn KQ6OB presented awards for the top point winners in the Worked All SCRA member contest. First place went to Caleb Acker KG6QMZ; second place to Walter Masten KG6OXW; third place to Kevin French KG6ABB.
7. Member Biography - Steve Carniglia KV6A gave a brief description of his Ham Radio experience.
8. Show and Tell - None
9. Recess - a recess was held from 8:00 PM until 8:25 PM
10. Program - Brian Torr N6IY moderated a forum on various antennas that can be installed in an antenna restricted environment. Numerous ideas flowed from the members.
11. Raffle
  1. 50/50 - Walter Masten KG6OXW split \$24 with the club.
  2. Membership - Joe Fong lost the membership drawing.
12. Announcements
  1. Next Program - Homebrew Night
  2. Board Meeting is next Wednesday at 6:30 PM at Agilent.
  3. NCDX Convention in Visalia, CA May 2 - 4, 2003
  4. The Dayton Hamvention is May 16-18, 2003. Bill KH6GJV has some rooms reserved for anyone who is interested in going.
13. Adjournment - There being no objections, the meeting was adjourned at 9:40 PM

Sonoma County Radio Amateurs, Inc.

Board of Directors Meeting 3-12-2003

### MEETING NOTES

Board Members Present: Bill Hillendahl KH6GJV, Brian Torr N6IY and Greg Gordon AC6VJ.

Members Excused: Jeff Basham W2JAB, Josh Fiden AX6XI and Jim Lee KE6VGV

Guests Present: Rich Freitas KF6SZA

1. Call to Order, Verification of Quorum, Introductions - A quorum not being present, the informational meeting was initiated by President Bill Hillendahl KH6GJV at 6:40PM. The meeting was held at Agilent Technologies, 1400 Fountaingrove Parkway, Santa Rosa.
2. Approval of Minutes - Approval of the minutes of the Board meeting of 2-12-2003 was deferred. Approval of the BoD meeting minutes of 12-11-2002 was deferred as they had not been provided by the 2002 Secretary.
3. Officer & Director Reports
  1. President - Bill KH6GJV - Nothing to report.
  2. Vice President - Brian N6IY - Nothing to report.
  3. Secretary - office vacant
  4. Treasurer - Jeff W2JAB - Not present.
  5. Directors
    1. Josh AD6XI - Not present.
    2. Jim KE6VGV - Not present.
  6. Past President - Greg AC6VJ - Nothing to report.
4. Committee Reports
  1. ARES - Rich KF6SZA - The memorandum of understanding between ARES and ACS was signed on Friday.
  2. Mobile Comm Van - Greg AC6VJ - New quotes on the insurance are being sought. Rich is still working on seeing if the paint job can be donated. He needs to know the height of the RV to know if it will fit in a paint booth. Brian reported that the #6 wire was in.
  3. Activities Committee - Josh AD6XI - Not present. Field Day was discussed.
  4. Newsletter - Bill KH6GJV - Bill would like to explore the idea of distributing Short Skip by e-mail in the future. He will need software to convert the WordPerfect file to .pdf.
  5. Public Service & VE - John KD2L - John was not present.
  6. Repeaters - Greg AC6VJ
    1. Status of Repeaters - everything was up and running. English Hill's UHF radio was changed out. Greg has a replacement antenna for 220.
    2. Legal update - nothing new.
    3. Weekly Net Control - 4/1 - AC6VJ; 4/8 - N6IY; 4/15 - ; 4/22 - KH6GJV; 4/29 -
5. Unfinished Business
  1. Meeting Programs
 

January - ARISS	July -
February - Hollowstate Devices	August -
March - Stealth Antennas	September -
April "Homebrew Night"	October -
May -	November -
  - Elections & Repeaters
 

June - "Field Day"	December - "Christmas Party" & Photos
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  - Programs Ideas - 911 Services; Jeopardy;
  - Club Calendar
6. New Business
  1. 2003 Budget - Deferred to the next meeting.
  2. Club Insurance - Terrorist Coverage at \$16 - The value of the coverage was discussed.
7. Announcements - None.
8. Adjournment - The informational meeting ended at 8:30 PM.



## 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 GP/IB (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-BaseT 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, 466DX4 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# 18250
Scrolling mouse, translucent body HSC# 18929	Multimeter, DMM, with transistor check HSC# 80370
Computer Power Supply, ATX 200W, "Mini-Tower"-style HSC# 18665 New Price!	Multimeter, DMM, tilt-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 "Barracuda" SCSI
  - 7200 RPM, 8.09.0 ms avg. seek time
  - 21 Hds, 11 Disks, 3,711 Cyl.
  - Standard 50-pin SCSI
  - 3.5" size, half-height (1.5" tall)
  - Features: 90-day warranty
- HSC# 18412 \$32.50**
- Seagate ST1917WC, Ultra-SCSI Wide Area
  - Formatted capacity: 9.1GB
  - Spindle speed: 7200 RPM
  - 3.5" size, half-height (1.5" tall)
  - 90-124 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 60-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, diskoite & manual, 90-day warranty
- HSC# 19125 \$9.95**
- Intel "PRO/100" PCMCIA Network Adapter Card
  - MBLA1600 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 APM460B PCMCIA SCSI Card
  - Up to 2 Mbytes/sec PC Card bus rate
  - New OEM pack with DB25 cable, 90-day warranty
- HSC# 19160 \$49.50**

## VHS Video To Go!



- "VideoTronic" Model No. VHS-105 player deck
- Dual power option - 110VAC or 12VDC!
- Perfect for entertainment the kids in the car!
- Many other uses...home, business, camping...
- Standard NTSC 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?
- Retrieved from working service, 90-day HSC warranty

**HSC# 19048 \$19.95!**

## VHS for even less!



- Magnavox Model No. VHS-105AT01 video player
- Standard "F" type connectors for inline connection
- Four panel switch selects Ch. 3 or Ch. 4 output
- RGB ports for line level video/audio control
- Pulled from working service. Units have slight markings from removed infrared sensor element covering front panel infrared detector. Remote NOT included.
- For 110VAC, 60-Hz operation
- Retrieved 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 8X read on CD-R
- 1X RW: 150KB/sec, 2X RW: 300KB/sec
- 6X Read: 900KB/sec - drives avail. at HP website
- EIDE-ATAPI interface w/RAID, front tray load
- 74 min. on 120min disk, 21 min. with 80min disk
- Power supply not included (pinout provided)
- Polished, 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 I/O 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-590VR
- 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 AEEC-200VR
- 0 - 120 VAC output, 200 VA
- Measures 8" x 10" x 6.5"
- 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!
- 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**

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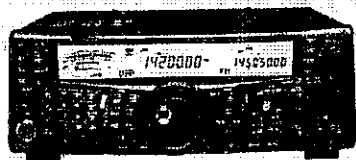
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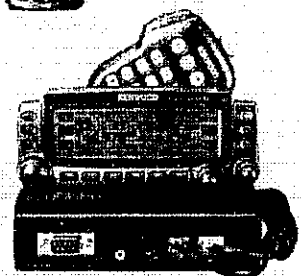
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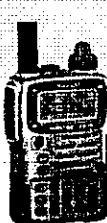
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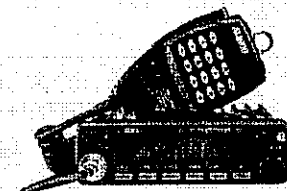
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