

Calendar of Events

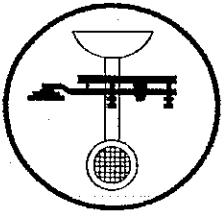
Jul 2	Fri	7:30 PM	Marin ARC Meeting, Alto Clubhouse, 27 Shell Road, Mill Valley
Jul 3	Sat	10:00 AM	Red Oak Victory ARC Meeting, Point Richmond
Jul 7	Wed	5:30 PM	No-Host Dinner at Coco's, 1501 Farmers Lane, Santa Rosa
		7:30 PM	SCRA Meeting, Luther Burbank Art & Garden Center, 2050 Yulupa Avenue, Santa Rosa
Jul 14	Wed	6:30 PM	SCRA Board of Directors Meeting
Jul 20	Tues	7:30 PM	Hamilton Wireless Assoc., Bldg 549, Hamilton Field, Novato
Jul 21	Wed	7:00 PM	REDXA Meeting, Carrow's, Petaluma
	Wed	7:30 PM	Valley of the Moon ARC Meeting, McDougall Hall, Sonoma Developmental Center, Glen Ellen.
Jul 9 - 11	Fri-Sun		ARRL San Francisco Section Convention, Ferndale, CA. Hosted by the Humboldt County Clubs. Info: www.humboldt-arc.org

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

RETURN SERVICE REQUESTED
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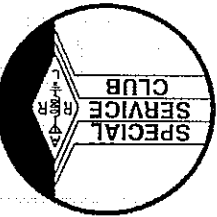


John Breckenridge II
574 Wild Oak Dr
Windsor CA 95492
WB6FRZ
Expires: 03/01/2005



Club Station
W6LFIJ

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



QVA
by
Brian Torr Neil
SCRA President

At the time of this writing, I am scurrying around getting my gear organized to haul up to Field Day. This could very well be a Field Day to remember. I was just reading in the ARRL Letter that contacts with the International Space Station (ISS) may be possible. According to the article, they will be classified as "1A ISS". I would have thought they would have been classified as "1E ISS", since they would be using their regular ham radio setup. I think it is safe to say that they are not powering their transmitters from commercial power mains!

The closest I've ever come to making a contact aboard the space shuttle Columbia. I have an audio recording of me trying, but considering I was using a Yaesu FT-227R (10W output) into a J-Pole antenna, I didn't stand much of a chance. I learned later that one of the hams W5LFL did contact was running 1500W into an EME moonbounce array with 30 dB gain. A little math tells us that this equates to 1.5 megawatts of ERP. Hmmm. My J-pole had about 0 dB gain, so I had about 10W of ERP. Can you say, "Capture effect"???

Last weekend SCRA provided communications support for the Terrible Two bike ride. From what I could tell, things worked pretty smoothly. The repeaters seemed to be working much better than last year (Thanks, Greg!). As usual, there were several spots along the course that made communication difficult, but that goes with the territory, and it's our ability to work through these problems

(continued on page 3)

By KH6GJV



(continued on page 8)

The radio operation of Field Day was designed by contest masters Josh Fiden W6XU, Al Ferrara K6MXI, Bob Magnani K6QXY and Bruce Doncker N6CT. It was a major force to be dealt with on the air. Josh and Bruce provided the preliminary report of contacts. Phone-1800; CW 1,385; GOTA 400; VHF 190; Satellite 5 (includes ISS). Josh reported that our guest operator from ARRL HQ Dean Straw N6BV had

Heading up to the hill with the Salvation Army mobile kitchen, Kevin French KG6ABB and I had to stop and admire the assembly of the antennas with the crane. You could just barely see Bob Magnani K6QXY and Rich Fila AA1Z up on the tower securing the antenna.

That's pretty much sums it up: WOW! What a FANTASTIC Field Day! Even the weather was ideal. Not too cold; not too hot and no fog.

FIELD DAY 2004
WOW!
By Bill KH6GJV

CONTEST CORNER by Kevin Alt, K6BSG

Hello contesters. Well, hopefully when you read this you will be basking in the knowledge that the club kicked serious butt during Field Day. Quite a few CW contests this month along with CQ magazine's VHF contest. Never too early to start practicing for next year's Field Day!

July 1 - Canada Day Contest - CW/Phone, 160-10, 6 and 2 meters. See: www.rac.ca/opsinfo/infocont.htm.
July 2-3 - MI QRP Jul 4th CW Sprint - 160-6 meters. See: www.qsl.net/m1qrpclub.
July 2-3 - Bahia Independence Contest - SSB/CW, 160-10 meters. See: www.labre-ba.org.br.
July 3-4 - Venezuelan Independence Day Contest - CW/SSB, 160-10 meters. See: <http://radioclubvenezolano.org/concurso.htm>.
July 17-18 - North American RTTY QSO Party, 80-10 meters. See: www.ncweb.com.
July 17-18 - CQ WW VHF Contest - all modes, 50 and 144 MHz bands, except 146.52 MHz (and other national simplex calling frequencies) and repeater frequencies. See: www.cq-amateurlradio.com.
July 18 - CQC Great Colorado Gold Rush - CW, 20 meters only. See: www.cqcc.org/contests.
July 24-25 - RSGB Islands-On-The-Air Contest - CW/SSB, 80-10 meters. See: www.contesting.co.uk/hfcc/ota.shtml.
July 24-25 - Russian RTTY WW Contest - 80-10 meters. See: www.radio.ru.
July 25 - Flight of the Bumblebees - CW, 40-10 meters. See: www.arsqrp.com/ars/pages/bumblebees/bb_rules.html.

July 4 - DARC 10-Meter Digital "Corona" - RTTY/AMTOR/PACTOR/PSK31/Clover. See: www.darc.de/referate/dx/.
July 10 - FISTS Summer Sprint - CW, 80-10 meters. See: www.fists.org.
July 10-11 - IARU HF World Championship - SSB/CW, 160-10 meters. See: <http://www.arl.org/contests/rules/2004/iaru.html>.
July 11 - QRP ARCI Summer Homebrew Sprint - CW, All bands. See: <http://2hams.net/ARCI/index.htm>.
July 10-11 - UK DX Contest - RTTY, 160-10 meters. See: www.srars.org/ukdxcontesteng.pdf.
July 16-18 - World-Wide Mid Summer Six Club Contest - All modes. See: gmt.com/contest.htm.
July 17-18 - North American RTTY QSO Party, 80-10 meters. See: www.ncweb.com.
July 17-18 - CQ WW VHF Contest - all modes, 50 and 144 MHz bands, except 146.52 MHz (and other national simplex calling frequencies) and repeater frequencies. See: www.cq-amateurlradio.com.
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July 24-25 - Russian RTTY WW Contest - 80-10 meters. See: www.radio.ru.
July 25 - Flight of the Bumblebees - CW, 40-10 meters. See: www.arsqrp.com/ars/pages/bumblebees/bb_rules.html.

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Sherman at Law
WAGVAC
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INJURED PEOPLE AND THOSE ACCUSED OF CRIME.
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SANTA ROSA, CALIFORNIA 95403
(707) 546-5858

Please Print Clearly

Sonoma County Radio Amateurs, Inc. Membership Application

New [] Renewal []

Name _____ Call Sign _____ License Class _____ Date _____

Address _____ Hm Phone _____ Wk Phone _____

City/State _____ Zip _____ E-Mail _____

ARRL Member? [] Yes [] No

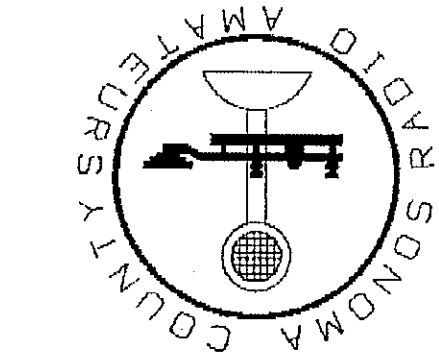
Dues & Fees: (SCRA dues year is from 3/1 to 2/28)

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

Payment Calculations: Make checks payable to SCRA

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

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



NEXT MEETING
July 7th
7:30 PM
Program:
"Voice of Victory"
video
(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.

2004 Club Officials

President	Brian Torr	N6IIV	707 575-5871
Vice President	John Mullian	KD2L	707 575-9176
Secretary	Walter Masten	KG6OXW	707 577-0711
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	John Mullian	KD2L	707 575-9176
Public Service Chairman	Greg Gordon	AC6VJ	707 523-7077
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	KE6EAO	707 544-1675
Public Relations	Bill McCall	W6WDM	707 538-2844
Raffles	Karl Johnston	KG6MT	
Refreshments	Ted DeCroff	KB6PTA	707 542-4008
Volunteer Exam Liaison	John Mullian	KD2L	707 575-9176
ARRL WAS/VUCC Mgr	Steve Lund	K6UM	707 823-4544
ARRL DXCC Mgr	Chuck Ternes	N6OJ	707 763-2528

SCRA Hotline 707 579-9608

SCRA E-Mail 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

Business Cards	\$ 12
1 st Quarter Column	\$ 13
Each Adn 1 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!)

Field Day (from page 1)

Q rates of better than 200 per hour. I heard that Josh was doing over 100 Qs per hour on phone. Karl Johnston K6QMT headed up the GOTA station which made the maximum points. Tim Bosma W6MU brought his portable satellite station which hit one satellite and accomplished several contacts for members with the ISS.

SCRA was once again joined by members of the local Civil Air Patrol squadron 157. Added to the mix was a Boy Scout troop who worked on their badges for radio. The kids kept the GOTA station tent pretty full most of the time.

The kitchen duties were principally handled by yours truly and Ron Gove K6GKTP (Thanks, Ron. Couldn't have done it without you!) with help from many. Randy Black KE6VMZ helped with shopping and beverage management. Ted DeCrotti KB6PTA taught us how to make coffee in a big pot and set up the buffet table for the meals. Several people lent a hand during the meals. The Wick family, Patti K6G6FR, Ivan KB6UXXA and Darin K6G6FQ, provided dessert Saturday night. Kevin French K6GABB helped a great deal with the shopping and getting all the supplies loaded in the kitchen for the trip up the hill.

Space is short and I want to get some photos in Short Skip, so come to the July meeting to hear all about it. Come early and watch the slide show before the meeting.

K6G6JG, K6G6FQ, K6QMT by K6GKTP

K6BSG, KE6VMZ, W6MU by K6GKTP

W6XU, KD2L, ? K6QMT by K6GKTP

N6BV by K6GKTP

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 kh6jv@arrl.net. We'd love to see YOU in print!

JULY PROGRAM

"Voice of Victory"

The program for our July meeting will be a video entitled "Voice of Victory". This movie was made during World War II and outlines how the HalliCrafter HT-4 amateur radio AM/CW transmitter was modified for military use and became the BC-610. You get to see the transmitter being built and tested in the HalliCrafter factory (they even use an early model of an HP audio oscillator that I have on my bench at home). There is also a clip showing a ham making a contact with the HT-4.

QVA (from page 1)

There are several changes the FCC is considering for the amateur radio service. Many of them sound pretty good, but I'm not sure about a few others. The change I am really looking forward to, however, has little to do with any FCC action. I am referring to a decision made at WRC-03, where foreign broadcast stations will be vacating the 7100 to 7200 kHz portion of the 40m band by 2009. When I was first licensed, I only had two 40m crystals. And wouldn't you know it, one of them was practically right on top of one of the foreign broadcast stations! That crystal was virtually worthless during my normal evening operating hours. I was in heaven when I finally acquired a rig with a VFO! By the time you read this, Field Day 2004 will be just a memory. A happy memory, I hope. SCRA has never attempted such a competitive approach to Field Day in the past. There will no doubt be several lessons learned. Perhaps a few of us will even be bitten by the

Pre-Meeting Dinner Location Change

The Board decided to change the pre-meeting dinner location to one closer to SCRA's new meeting location. So, starting with the May meeting, dinner will be at Coco's Restaurant, 1501 Farmers Lane (Farmers Lane and Hwy 12), Santa Rosa. Same time, 5:30 PM. Join the group for dinner or just sit in with a soda or coffee and some great conversation! See YOU at Coco's!

Steven Carniglia President
725 Farmers Lane #17
Santa Rosa, CA 95405
707.573.3600 888.593.7346
Fax: 707.573.3516
steve@cdst.net
www.cdst.net

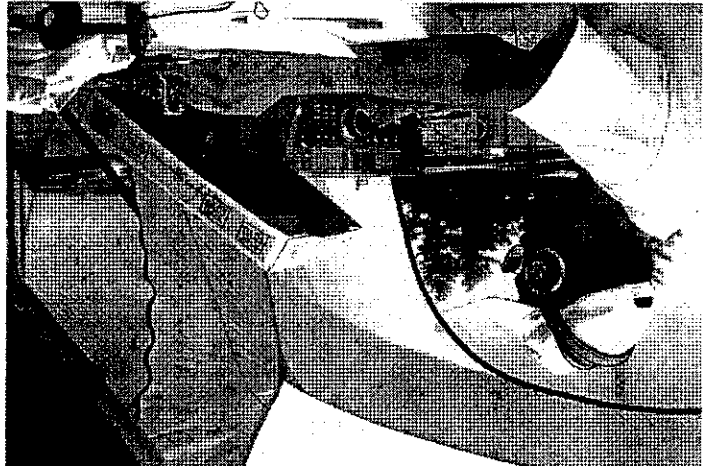
Steve Basham OWNER
(707) 527-8000 (800) 675-7557
Fax: (707) 527-1368

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rickohare@rvkin.com
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SANTA ROSA, CA 95401-4646
TEL: (707) 525-5400
FAX: (707) 576-7955
www.rivkinradler.com

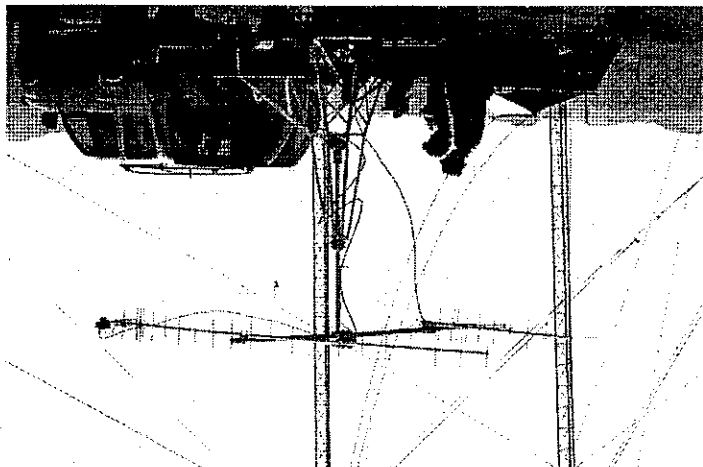
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W6XU, KD2L, ? K6QMT by K6GKTP



N6BV by K6GKTP



K6BSG, KE6VMZ, W6MU by K6GKTP



K6G6JG, K6G6FQ, K6QMT by K6GKTP



by Rich Freitas KF6SZA
Sonoma County District
Emergency Coordinator

ARES Comm Log Part I Radiogram Message Format

For the past couple of months we've been practicing message handling during the weekly ARES nets. While the skills involved in accurately copying formal message traffic is an important part of disaster communications, it is also crucial for emergency communications. A thorough understanding of the elements of formal message traffic will enable us to accomplish one of the basic tenants of emergency communications: the ability to pass traffic through numerous stations with 100% message accuracy.

Following is a description of the different parts of the Amateur Radio Message format. Some sections are OPTIONAL and I recommend they not be used unless needed. The use of a pre-printed message form, while useful in some situations, is not absolutely necessary for handling traffic. You may use any paper or form you find appropriate.

Message Number (Mandatory)
This can be any number the originating station chooses. Most start with '1' the first of each year. Once a message is numbered, that same number remains with the message until delivered.

Precedence (Mandatory)
The Precedence of the message determines what order the messages are handled on every net session. The following four precedences are used in ascending order of priority:

ROUTINE - 99.99% of all messages have this precedence. These messages will be handled last.
WELFARE - This message is either an inquiry to the health and welfare of an individual in a disaster area or a report of the health and welfare of an individual. These messages will be handled before 'Routine' traffic.
PRIORITY - These messages have specific time

limits. They are also for official messages not covered by the 'Emergency' category. This traffic will be handled before 'Welfare' or 'Routine'.
EMERGENCY - This category is reserved for any message having life and death urgency, to any person or group of persons, which is transmitted by Amateur Radio in the absence of regular communication facilities. When in doubt, do NOT use this precedence. This traffic will be handled first and immediately.

Handling Instructions (Optional)
Handling instructions are sometimes used to tell the various stations along the way what the desires of the originating station are. If not needed, it is best not to use. On phone, the sending station would say, "Handling instructions x", where 'x' is explained below.

HXA (Followed by a number) - Collect landline delivery authorized by the addressee within 'n' miles.
HXB (Followed by a number) - Cancel message if not delivered within 'n' hours of filing time.
HXC - Report the time and date of delivery to originating station.
HXD - Report to the originating station the identity of the station from which you received the message plus the time and date.
HXE - Delivering station to get a reply from the addressee and originate a return message.
HXF (Followed by a number) - Hold delivery until 'x' date.
HXG - Delivery by mail or landline toll call not required. If toll or other expense is involved, cancel message and reply to originating station.

Station Of Origin (Mandatory)
This is the call sign of the Amateur Radio Station generating (originating) this message. This call sign, along with the message number, serve as the 'serial number' of this message. Any future reference to this message would be: "NUMBER, 'n' of CALL 'mnmn'".
(Part 2 in August Short Skip)

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; it is currently linked to 444.900 MHz, + offset, 88.5PL. You may use either of these frequencies. All ARES members and guests are invited to check-in. Please join us.

1) Call to Order, Verification of Quorum - The meeting was called to order by President Brian Torr N6IY at 7:30 PM at the Luther Burbank Art & Garden Center. There were 33 people present.
Minutes
Membership Meeting 6-2-2004
Sonoma County Radio Amateurs, Inc.

2) 5, 2004 meeting be approved. The motion was passed.
3) Officer and Director Reports
a) President - Brian Torr, N6IY - Nothing to report.
b) Vice President - John Mullan, KD2L - Not Present
c) Secretary - Walter Masten, KG6OXW - Nothing to report
d) Treasurer - Jim Lee, KE6VGV - \$5400 in checking and \$2900 in savings
e) Directors
i) Randy Black, KE6VMZ - Nothing to report
ii) Gregory Gordon, AC6VJ - Nothing to report
iii) Gregory Gordon, AC6VJ - Nothing to report
iv) Past President - Bill Hillendahl, KH6GJV - Nothing to report
v) ARES - Rich, KF6SZA - Nothing to report
vi) Mobile Comm Van - John, KB6FRZ - Antenna supports are completed

7) Member Biography - Tracy, WB6TMY Started as a SWL on his grandmother's radio while in 4th grade. Finally got his code down when he was 17. He built his first radio using glue because solder was too hot. He now holds an Extra Class license.
8) Recess - A recess was held from 8:00 PM until 8:20 PM
9) Program - Josh Filden, W6XU, on Field Day 2004
a) This year we will be 2A
b) We will try to finish in the top 10
c) We will be at English Hill
d) Stations
e) An Antenna Forest will be planted
f) The 985 repeater is the coordinating repeater
g) Announcements
h) Next Membership Meeting - July 7: "Voice of Victory"
i) Board Meeting - June 9 at Marie Calendars
j) Adjournment - There being no objections the meeting was adjourned at 9:45 PM.

12) Adjournment - There being no objections the meeting was adjourned at 9:45 PM.
Minutes
Board of Directors Meeting 6-9-2004
Sonoma County Radio Amateurs, Inc.

Board Members Present: Brian Torr N6IY, Walter Masten KG6OXW, Randy Black KE6VMZ, Greg Gordon AC6VJ, Jim Lee KE6VGV
Board Members Excused: Bill KH6GJV
Guests Present: None
Call to Order, Verification of Quorum, Introductions 6:30 - The meeting was called to order by President Brian Torr N6IY at 6:30 PM. The meeting was held at Marie Calendars, 2460 Mendocino Avenue, Santa Rosa. A quorum was present in that four of the seven voting board members were present. Approval of Minutes - Brian N6IY moved that the minutes of the 3-10-2004 be approved. The motion passed.
2) Officer & Director Reports
a) President - Brian N6IY - Nothing to report
b) Vice President - John KD2L - Absent

1) Approval of Minutes - Brian N6IY moved that the minutes of the 3-10-2004 be approved. The motion passed.
2) Officer & Director Reports
a) President - Brian N6IY - Nothing to report
b) Vice President - John KD2L - Absent

1) Approval of Minutes - Brian N6IY moved that the minutes of the 3-10-2004 be approved. The motion passed.
2) Officer & Director Reports
a) President - Brian N6IY - Nothing to report
b) Vice President - John KD2L - Absent

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2) Officer & Director Reports
a) President - Brian N6IY - Nothing to report
b) Vice President - John KD2L - Absent

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2) Officer & Director Reports
a) President - Brian N6IY - Nothing to report
b) Vice President - John KD2L - Absent

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2) Officer & Director Reports
a) President - Brian N6IY - Nothing to report
b) Vice President - John KD2L - Absent

c) Secretary - Walter KG6OXW - Nothing to report
d) Treasurer - Jim KE6VGV - Nothing to report
e) Directors
i) Randy KE6VMZ - Nothing to report
ii) Greg AC6VJ - Nothing to report
iii) Past President - Bill KH6GJV - Excused
4) Committee Reports
a) ARES - Rich KF6SZA - Not present
b) Mobile Comm Van - Greg AC6VJ - Nothing to report
c) Activities Committee - Position not yet filled.
d) Field Day (26 - 27 June) was discussed
e) Newletter - Bill KH6GJV - Excused
f) Public Service - John KD2L - Not present
g) Repeater - Greg AC6VJ
h) Status of Repeaters - Greg AC6VJ - The status of the repeaters was discussed.
i) Weekly Net Control - Greg AC6VJ - 6/6 - AC6VJ, 6/13 - N6IY, 6/20 - KE6VMZ, 6/27 - KG6OXW
j) Unfinished Business
a) Meeting Programs - 2004
b) January - The Secret Wireless War, Part 2
c) July - "Voice of Ham Radio"
d) February - ARL Restructuring
e) August - Ham radio squares
f) March - Through the Keyhole
g) April - "Homebrew Night"
h) May - Elk Antenna's - Ray Gaschk
i) June - "Field Day" & Contesting
j) Christmas Party & Photos
k) New Business - None
l) Executive Session - The legal issues was discussed
m) Announcements - None
n) Adjournment - The meeting was adjourned at 8:05 PM.

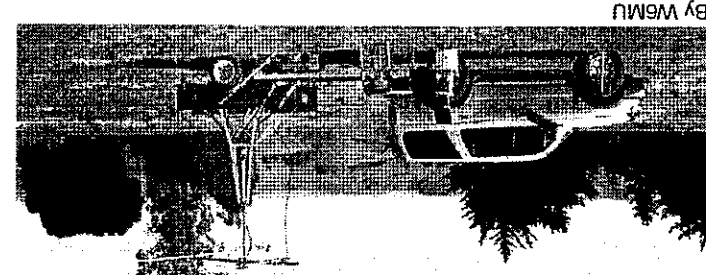
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SCRA's DIGIPEATER is Back On The Air
ARES District Emergency Coordinator Rich Freitas KF6SZA made a request to the repeater committee to have the DIGIPEATER put back on the air. The repeater committee obliged Rich by installing the DIGIPEATER in the club's vaults. The DIGIPEATER is back on the air on 145.050MHz. To DIGIPEAT through it connect to W6SON, and, to connect to the bulletin board use SCRA.
Gregory Gordon AC6VJ

of Ham Radio"
January - The Secret Wireless War, Part 2
July - "Voice of Ham Radio"
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May - Elk Antenna's - Ray Gaschk
June - "Field Day" & Contesting
Christmas Party & Photos
New Business - None
Executive Session - The legal issues was discussed
Announcements - None
Adjournment - The meeting was adjourned at 8:05 PM.

If you are not getting the ARL San Francisco Section news by e-mail and you are an ARL member, be sure to subscribe under your Members Only information or go to <http://www.arl.org/sections/?sect=SF> or <http://www.pdarrl.org/sfsec>
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SCRA's DIGIPEATER is Back On The Air
ARES District Emergency Coordinator Rich Freitas KF6SZA made a request to the repeater committee to have the DIGIPEATER put back on the air. The repeater committee obliged Rich by installing the DIGIPEATER in the club's vaults. The DIGIPEATER is back on the air on 145.050MHz. To DIGIPEAT through it connect to W6SON, and, to connect to the bulletin board use SCRA.
Gregory Gordon AC6VJ



By W6MU

By W6MU

By W6MU

HSC Web Specials!

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

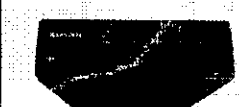
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VHS Video To Go!



- Valuetronics Model No VHS-105 player deck**
 Dual power option - 110VAC or 120VAC
 Many other features: home, business, camping.
 Standard NTSC VHS format, full front-panel controls, soft-touch buttons with LED's.
 Remotes control answer on front panel - remote NOT included. Many work with generic remotes.
 Warranty
- SCS# 19048 \$19.95!**

SHS for even less!



- Magnavox Model No. VR9100AT1** video player
Standard 1" type connectors for cable connection
Front panel switch selects Ch. 3 or Ch. 4 output
Picked up from working service. Units near sight
marked for removal. removed. Transmitted element
NCT included.
For 110VAC, 60Hz operation
Removed from working service. 80-day HSC
warranty

External CD-RW:



- Hewlett-Packard Model 7200 Series CD-RW
 drive just like a floppy. Shaves printer cost
 in half. Writes on CD-RW, up to 5X read on CD-R.
 R/W: 500KB/sec. XZ R/W: 300KB/sec.
 15 min. on 120min disk. 21 min. with 80min disk.
 (Power sample) not included (without purchase).
 CD #19036 \$49.55

ab Bench Supply!

- Model No. AEEC-350, 0.60VDC @ 3 Amp
OVAC, 60Hz - 150VA - small footprint!
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Variable Transformers

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120 VAC output, 500 VA
Features: 5.5" x 8" x 7 lbs

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Items: Some quantities limited; all items are subject to price sale. Minimum order: \$10.00 shipping. Orders under \$20.00 subject to \$2.00 handling fee. In addition, shipping on all orders shipped FOB Santa Clara, CA (this means you pay freight) by UPS unless otherwise specified, in which case prevailing carrier rates and surcharges will be added. There is a \$8.00 UPS charge added to shipping charges for COD shipments. If you have questions about your order, please call Customer Service at (408) 321-1854. M-F 9AM to 5PM PST.

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