

COMING EVENTS:

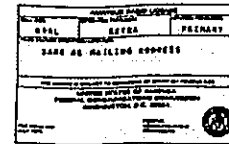
FEBRUARY:

- Jan 28-Feb 5 - ARRL Novice Roundup
 1 - SCRA meeting 7/7:30 PM
 5 - Livermore Flea Mart 510-447-3857
 6 - RACES etc. Net 7:30 PM
 11 - Deadline for March *Short Skip*
 11 - License exams, VOMARC
 13 - RACES etc. Net, 7:30 PM
 13-17 - ARRL School Club Roundup
 16 - CDF/VIP Meeting 7:30 PM
 18-19 - ARRL DX Contest, CW
 20 - RACES etc. Net 7:30 PM
 24-26 - CQ Worldwide 160 M Contest, Phone
 27 - RACES etc. Net, 7:30 PM

MARCH:

- 1 - SCRA meeting 7/7:30 PM
 - 1992 DUES PAYABLE!
 4 - License exams, Marin ARC
 4-5 - ARRL DX Contest, Phone
 18 - Deadline for April *Short Skip*
 25 - License exams, Sonoma Mt RS
 25-26 - CQ Worldwide Prefix Contest, Phone

Marin/Sonoma VE Council FCC Exams



Date	Time	Sponsor	Place
Feb 11	0900	VOMARC	Sonoma Dev Center
Mar 4	0900	MARC	Hamilton Field Novato
Mar 25	1700	SMRS	
Apr 8	0900	SCRA	HP, Santa Rosa
Apr 29	0900	VOMARC	
May 13	1700	SMRS	
Jun 10	0900	MARC	Hamilton Field Novato
July 8	0900	SCRA	HP, Santa Rosa
Aug 12	0900	VOMARC	Sonoma Dev Center
Sept 2	0900	MARC	Hamilton Field Novato
Sept 16	0900	SCRA	Sebastopol Flea Mart
Oct 14	1700	SMRS	
Nov 11	0900	VOMARC	Sonoma Dev Center
Dec 2	0900	MARC	Hamilton Field Novato

Warning: Test dates subject to change or cancellation without notice.

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WB6FRZ
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Short Skip Advertisements



The SCRA newsletter reaches nearly 300 radio amateurs in Sonoma County each month (200 guaranteed minimum), all of whom are just sitting around with checkbooks in hand longing to spend money on *Short Skip* advertisers!

Seriously though, the rates are a bargain. You can have your business card printed for only \$10 a month, less than 3½ cents per reader. Your ad does not have to be radio-related. It's a great way to advertise your business to your fellow club members and support SCRA at the same time.

You can send your ad copy and a check to the club PO box, or give them to N1AL at a meeting. Special rates are available for a year prepaid in advance.



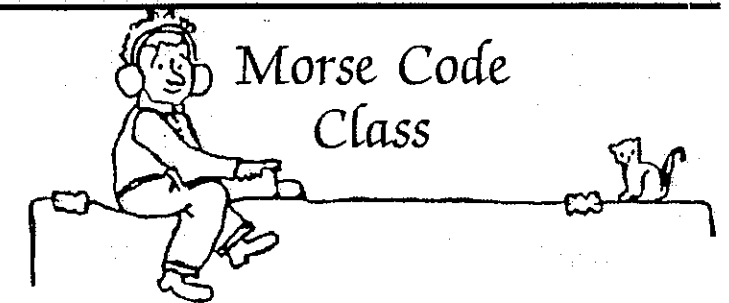
The February SCRA meeting will focus on packet radio. Jim/KC6JPW will provide a forum of material on the many packet radio networking systems that are available to the ham operator. At the same time, John/WX3K will be operating a Tweak and Peak (Turn and Burn?) table in the back of the meeting room.

For those interesting in getting their packet system tuned up to maximum efficiency, you need to bring:

- (1) The radio you use for packet. Include the 12vdc power cable.
- (2) Your TNC. Include the 12vdc power cable/AC adaptor.
- (3) Your interface cable between the radio and the TNC.
- (4) Your TNC documentation, including schematic (if you have it).
- (5) Your radio documentation, including schematic (if you have it).
- (6) Your serial cable between the TNC and computer.

John can very quickly tune MFJs and other true TAPR TNC-2 series machines. AEA products take an extra few minutes. Kantronics packages take a little longer, but can be done semi-swiftly. DRSI cards are not eligible, since John will be using a laptop, but the procedure can be described neatly.

John will provide the computer, software, 12vdc power supply, and test equipment. He will tune your system for deviation, high and low tone accuracy, and centering. He will check for DC power noise. Please advise John (via packet is best) if you have any special needs. - de John WX3K



by John Breckenridge WB6FRZ

I will soon be conducting a code class covering all ranges of expertise. Those who don't know a dit from a dah, those working toward 20 wpm, and all in between will be accommodated.

The class will be held from 7:00 PM until 8:30 PM beginning Wednesday, Feb 8 through Wednesday April 26 in the Zinfandel room next to the 1US lobby at the Santa Rosa Hewlett Packard plant. (Same location as club meetings, see page 2.) We'll meet every Wednesday, except for club meeting nights.

In addition, I would like to conduct on-the-air code practice sessions using HF or VHF, depending on the capabilities of the class, repeaters available, etc. This will be worked out after the first class.

Please come, and tell anybody who may be interested. All are welcome. Contact me at 838-6398 for more information.

SCRA MINUTES

January 4, 1995

Submitted by Secretary
Al Bloom N1AL



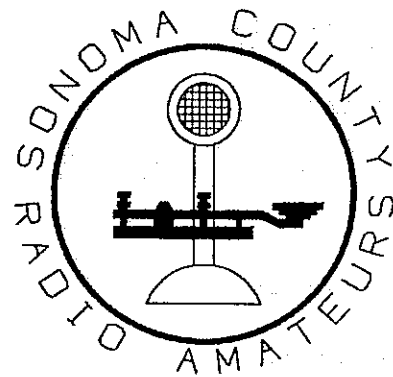
The meeting was called to order by President Kelly Cureton KD6CJQ at 7:40 PM. Other officers present were Vice President Dave New AA6YX, Secretary Al Bloom N1AL, Treasurer Angela Dickey KC6OCD, and Members-at-Large Marie Mappus KI6QY and Jim Andrews KC6PJW.

VISITORS: We had seven visitor to the meeting. Also attending was SCRA's first President after the post-WWII reorganization in 1949 (and again in 1956), Don Christensen W6DZM. Several other past Presidents were also present: Hank Davis W6DTV (1950), Ken Christensen W6LCZ (1951), Rick Reiner K6ZWB (1968/1993), Al Bloom N1AL (1983), John Wallack W6TLK (1990), Jim Pelmulder N6PTM (1991), and Merl Pfeiff N6VUC (1992/1994).

The MINUTES were approved as printed in *Short Skip*, even though there weren't any. (No club meeting in December.) m/s N6VUC/KB6UCM

The TREASURER'S REPORT was approved as read. m/s N6PTM/WA8LLY Balance is \$3035. KC6OCD asks that everyone renew their dues either next month or by mail, since she will not be present at the March meeting.

(Continued page 11)



QRV: Jim Durkin KE6FSK BBS: DonnKing KD6ZVG CIRCULATION: June Linnehan KD6LSU
AUDIO TAPING: John Breckenridge WB6FRZ, Laurel Meyer KC6FKX, Bob Phillips N6RMW

Activities Committee:

Pub. Service: Marie Mappus KI6QY 664-1978
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QSL Mgr: Fred Leoni N6YEU 431-8202
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Antennas: Joe Senft KM6TN 578-5824
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Awards: Steve Lund WA8LLY 823-4544
VEC Exams: Claude Jones AB6OL 527-8593
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KK6VY KK6XT AA6YX WA8LLY
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N1AL WB6FRZ KC6RHA KK6VY
WB6TMY K6XZ K6ZWB KC7VS
Refreshmnts at meetings: Bob Olsten WD6DPE
Field Day: Steve Carniglia KK6VY 579-9608
Raffle at meetings: Dave Willey KD6KWM
Membership lottery: James Cureton KD6GSF
RACES RO: Jim Pelmulder N6PTM 823-7947
Badge Chair: Fred Leoni N6YEU 431-8202
Packet BBS: John WX3K and Jim KC6PJW

Repeater Control Op's:

WB6PER Jim 526-2972 N6PTM Jim 823-7947
WD6CKP Hoppy 542-6750 N6VUC Merl 584-3898
KD6CJQ Kelly 837-9434

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Business cards: \$10

\$11 First 1/4 Column
\$3 Additional 1/4 Columns
(\$32 Full Page, 1 side)

Pre-printed inserts: \$32/sheet

Guaranteed circulation: 200/month
AD DEADLINE: 10th of previous month

OFFICERS FOR 1995

PRESIDENT: Kelly Cureton KD6CJQ 837-9434
VICE PRESIDENT: Dave New AA6YX 829-6608
SECRETARY: Alan Bloom N1AL 538-7115
TREASURER: Angela Dickey KC6OCD 795-1269
MEMBERS-AT-LARGE: Jim Andrews KC6PJW 795-2163
Marie Mappus KI6QY 664-1978
REPEATER CHAIRMAN: Jim Rutherford WB6PER 526-2972
ACTIVITIES CHAIR: Joel Nadler KJ6LF 545-1782

SHORT SKIP STAFF:

EDITOR: Alan Bloom N1AL 538-7115
1578 Los Alamos Rd, Santa Rosa 95409 alanb@sr.hp.com
AX.25 packet address: n1al@wx3k.#nocal.ca.usa.noam
SWAP SHOP EDITOR: Greg Cowles KE6FXK 829-1583
BBS: DonnKing KD6ZVG CIRCULATION: June Linnehan KD6LSU
AUDIO TAPING: John Breckenridge WB6FRZ, Laurel Meyer KC6FKX, Bob Phillips N6RMW

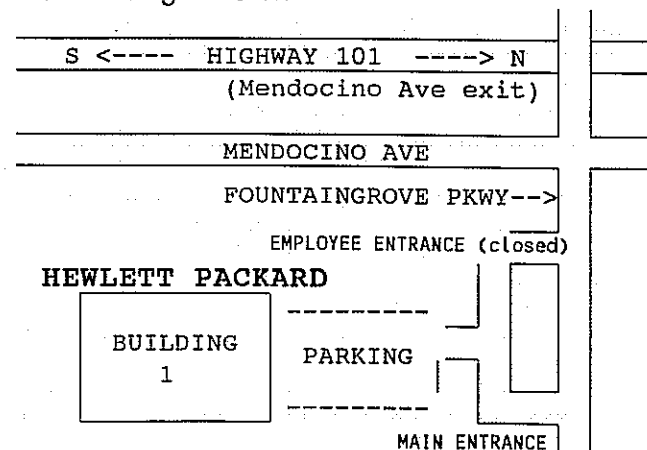
Club Meetings:

7:30 PM, 1st Wednesday each month at the
Hewlett Packard plant in Santa Rosa. (See
map below.) All are welcome.

Next Meeting: February 1, 1995
Program: Packet night. KC6PJW/WX3K
Bring your packet gear for testing.

ARE YOU NOT AN SCRA MEMBER?

If so, then this is a complimentary copy.
Our club is involved with almost every area of
Amateur Radio: Repeaters (13/73), Field Day,
license classes (Novice through Extra),
volunteer exams, RACES, DX programs,
packet radio, hidden xmtr hunts -- you name it.
We invite you to attend our next monthly
meeting (see below) or check into the Tuesday
night SCARS net on the 146.13/73 repeater at
7PM. You will hear the latest Amateur Radio
Newsline broadcasts, announcements of SCRA
activities and a Swap Shop. Membership in
SCRA is open to anyone interested in Amateur
Radio. If you would like to join, there is a
membership application on page 11. Hope we
can have an "eyeball" QSO with you at the
next meeting! 73 ...



(Minutes, continued)

REPEATER: WB6PER has deleted the voice time
announcements, according to N6PTM.

EDUCATION: Jim WA2EWE's Novice/Technician class had 3
of 6 pass an FCC exam so far. Jim asked how many would
be interested in various classes. By show of hands, we had 7
for 5 wpm code, 9 for General, 12 for 13 wpm, and 4 for 20
wpm. Rick K6ZWB had 9 interested in a construction class,
to build a Don Small Co. single-band HF transceiver for about
\$50. It will probably be held on Thursdays.

ANTENNA COMMITTEE CHAIRMAN Joe Senft KM6TN was
presented with an award by Merl N6VUC for his role as
SCRA's legislative advocate in regard to antenna ordinances.

John Zantek was made an HONORARY MEMBER by the Board
for his yeoman service getting the county BBS system on line.

A special SERVICE AWARD was also presented to young
members Anthony KE6EIO and Adam KD6POC for their level-
headed emergency response to a recent hiking accident called
in on the 146.73 repeater.

NET CONTROL STATIONS: Kelly hit the jackpot! We have
volunteers as follows: January KE6FXK, February KD6TYL,
March N6IY, and April AA6YX. Steve KK6VY has
volunteered for Field Day Chairman with N6VUC as co-chair.
James KD6GSF will be the new Lottery Chairman.

PACKET will be the topic of next month's meeting. KC6PJW
will discuss BBS topics and WX3K will run a "turn and burn"
packet radio clinic.

The SWAP SHOP on the Tuesday night nets is now run by
Greg KE6FXK. Suggestions for improvements are welcome.

The PROGRAM was a discussion of ARRL by Section Manager
John Wallack W6TLK. The SF section has over 4000 hams
and 1109 League members. John covered ARRL's structure
and FCC news. Please don't bug the government with our
problems, or they may decide we are too much trouble.

The HSC Bulletin Board has a new sysop: Dave KD6KWM.
The board is revamped with lots of new ham-related files.
The number is 792-1042. Dave also thanks Ardco, HSC, and
W6TLK for raffle prizes.

The MEMBERSHIP LOTTERY this month was won by Jack
KN6IO.

Darlene KD6GCK reminds everyone to renew their ARRL
membership through the club, so we can take our cut.

The meeting adjourned at 9:29 PM. m/s N6VUC/WA6OLW
Respectfully submitted by Al Bloom N1AL.

VE SESSION RESULTS by Claude Jones AB6OL

The first VE session of the year was held Saturday, Jan 14 at
the Santa Rosa Hewlett Packard facility. Eighteen candidates
attended, taking a total of 37 exam elements and earning 12
new licenses and one upgrade. Congratulations to all!

And thanks goes out to the VE team: Ross AC6ET, John WX3K,
Robin N6PHP, Jeff KC7VS and our candidate escort Shirley
KD6PKA. Their skill and hard work made for an enjoyable and
successful session.

Application for Membership in SCRA

Name _____ Callsign _____ Lic. Class _____
Addr. _____ Phone Nr _____ () New Mbr
_____ ZIP _____ Date _____ () Renewal

SCRA dues: \$12/year, \$18/year family. New members also pay \$6/person initiation fee. Dues for
new members *only* are pro-rated \$1 (\$1.50 family) per month, starting at renewal time, March 1.
ARRL dues: \$25/year, \$20 over 65 with proof of age. (Under 17 rates require application form.)
Make checks payable to SCRA.

I WOULD LIKE TO PARTICIPATE IN:

- () Public Service Events
() RACES or ARES Emergency services
() Field day, other operating events
() Helping with SCRA Flea Market
() Acting as club Net Control Station
() Helping with *Short Skip* newsletter
() Taking a Novice or Technician class
() Teaching a Novice or Technician class
() Taking an upgrade class
() Teaching an upgrade class
() Other _____

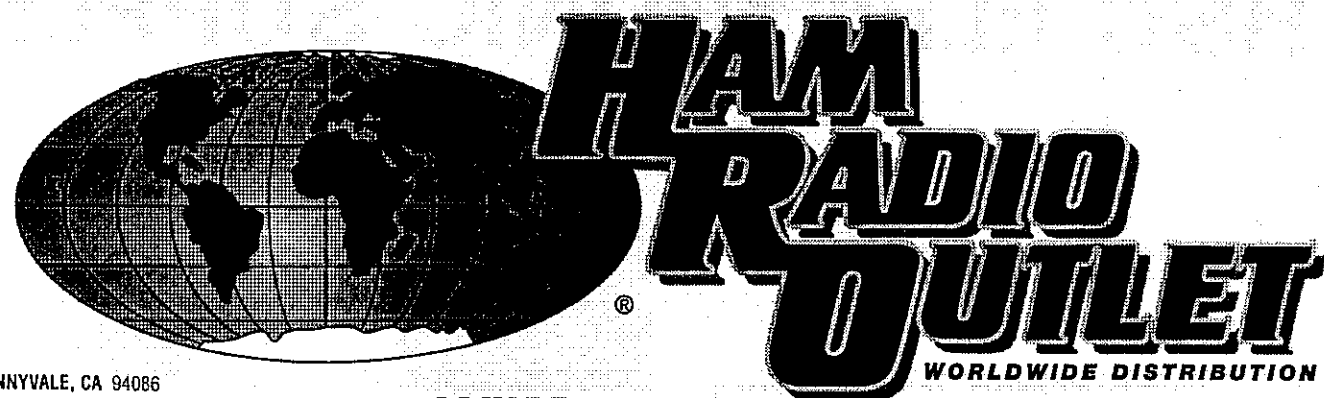
Badge (New Members only)

Fill in this section exactly as you
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Callsign _____

First Name _____

City _____



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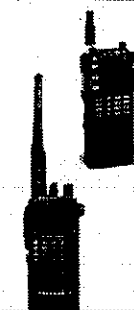


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The Purchase of Packet

By Kathy Mahan KC6UXJ

For the past couple of years or so, many SCRA members have utilized the local Packet BBS. In that time, we have gained an appreciation and use for this additional dimension to Amateur Radio, not to mention that the people who use it really enjoy it!

The time has come though, that all of us who actively utilize the BBS need to actively support it. At the January SCRA Board meeting, the club was given the option of purchasing the BBS System. What a great idea you say? It most definitely is except for the fact that the BBS is not an item that was budgeted for in 1995.

So, I said to myself: "Self ... it seems that there must be a way to fund this system, the system that so many have grown to know and love." The ideal way to purchase the BBS would be to accept personal contributions and possibly a fundraiser or two, so as not to deplete the existing SCRA funds. So, to that end we need *YOUR SUPPORT!*

More information on Packet and the purchase of the BBS will be presented to the club membership at the February SCRA general meeting. At that time, donations will be accepted along with fundraising ideas that will help to raise funds for the BBS. Hope to see you there!

An Ode to Packet

What's all that yelling and noise and racket?
Well, we need a way to purchase packet.

So now with the BBS up for sale
It needs your support without fail.

Reach in your hearts and pull out your wallets,
And a bonafide SCRA - BBS we'll call it!

And when you log on and type your call sign,
You can kick back and say: "This is partly mine."

Numbers from WX3K BBS 1994 Logs:

Number of sessions: 190,485
Number of messages: 212,112
Volume of messages: 1,003,726,144 bytes

73 John WX3K

Changes to the Packet BBS System

Jim Andrews KC6PJW



On Feb 1, the WX3K BBS will be turned off, due to John's new Coast Guard assignment. It is time for John, Marj and Jeffrey to start planning the move to new pastures; we will miss them a lot. During his stay here, John has really established our packet network. We owe him a lot of thanks for supplying time, talent and equipment to get this area on the packet map, just as he did in Alaska and Klamath Falls, OR. As in those areas, the Zantek family always has a place to stay, should they come to visit. (OK, they're not gone yet, so we still have time to plan a send-off!)

Here is the packet landscape come Feb 1:

KC6PJW BBS will operate on 145.09 Mhz, which is a QSY for me over to the frequency currently used by WX3K. We are working on the BBS becoming officially sponsored by the SCRA, which will be great (see accompanying article by Kathy Mahan). The BBS also operates on 223.70 and 430.55 for forwarding messages.

The SONOMA nodestack will continue to operate on 145.73, for those who can not contact the BBS directly. The node stack itself will change callsigns. (Thanks Marj for lending yours all this time: N7SOF.) The nodestack will be supported by Dale WB6TMS and the SMRS group.

Sadly, the SFGATE Internet node will have to go away. This machine allowed our AX.25 to TCP/IP to Internet link, along with being the main supplier of the bulletins on the network. We are currently looking for other Internet sites to host a computer and high speed data radio. If you have full time access (not dial up, but rather a connection on the Internet 24 hrs/day) I would like to hear from you.

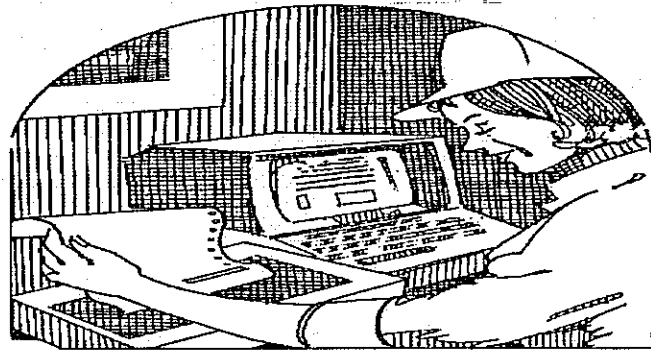
There are still many items not fully resolved. I may be scrambling at the end of the month trying to make sure we have connectivity. The number of bulletins may have to slow down, but we will find ways of getting the traffic through!

So, in summary, on/after Feb 1, you have the following options:

- Connect directly to KC6PJW BBS on 145.09.
- Connect to Sonoma node on 145.73 and then connect to KC6PJW.

I am also researching setting up a second BBS in the area, which will operate on 145.73. More on that as info becomes available.

(Continued next page)



Packet Printouts

Downloaded by Donn King KD6ZVG

New Postal Rates From Dave NZ9E

... As of January 1st, first class mail rates increased by 3 cents to \$.32 for the first ounce, but remain at \$.23 for each ounce thereafter. Postcards increased 1 cent from \$.19 to \$.20. International rates stayed the same for the time being at \$.50 per half-ounce for first class air delivery. ...

If you haven't already sent additional stamps to your local QSL bureau, you might want to take this opportunity to do it before you forget. None of us is happy with the increase, but try not to place the burden on those fellow hams who are trying to help with your DX QSL cards either.

Big Problem with Buckmaster From KB7UB

Attention all users of the new Edition of BuckMaster CD HamCall: it is missing several thousands US Amateur callsigns. BuckMaster blames this on the FCC not getting all of the Data Base to them in time, yet the calls are not in a single block but scattered throughout the CD. Example of missing calls: KA6HMR KA6HMS KA6HMT N6FXI N6FXJ N6FXK.

BuckMaster's fix is to send you a floppy disk and have you create a new directory for the missing calls. ... You have paid good money for the CD and not for a floppy fix. If I wanted to run the Amateur Data Base on my Hard Drive I would have gotten SAM. ... Write or call Buckmaster and demand that they send you the corrected CD, do not accept their floppy disk fix. Its time to put a stop to the habit of consumer ripoffs. Thank you for reading this.

Database server From Ron KJ6VC

KJ6VC BBS is now offering a remote database server for all frequencies licensed to operate in California. This FCC database can be searched by several different methods including, but not limited to, frequency, city, county, type of service, etc. Information on the database can be obtained by sending a private message (SP) to REQFRQ @ KJ6VC. The type of information

returned is determined by what is on the SUBJECT line of the message. If you just want basic information use "CA I" on the subject line. If you want the complete list of commands to be used on the SUBJECT line, then use "CA H" or "CA ?" on the subject line, and a message will be returned to with the information requested. I invite you to use this database freely. Enjoy.

Do Your Neighbor a Favor From Gene NS9F

Do your neighbor a favor: When you check in to your favorite BBS, type LT to get the listing of NTS traffic. Download any for your area, read it and if you want to deliver it save it to disk or paper. Kill the traffic by typing K or KT plus the number i.e. "K #####". Call the people and deliver the message. It's simple and people really enjoy getting a Ham Radiogram and are appreciative of you and Ham Radio. If you want more detailed info drop me a message and I will get it to you. ■



George Shedore
Manager
KS6W

6819 REDWOOD DRIVE
COTATI, CA 94931

PHONE: (707) 792-2277
FAX: (707) 792-0146

(Packet Changes, continued)

Please note with the expanded use of KC6PJW, it may seem as if the system slows down. This will be due to many users on the board at once. You can always try at non-peak hours. (Peak is early evening and early morning.) I have seen up to ten users at a time sharing the channel, so it can be done! To make this work even better, come to the packet tune up at the February meeting and get that TNC/rig combo working just right (you would not believe how many stations are operating with too much deviation!).

Tip of the Month:

To search for messages that contain certain text in the subject, use the "LS" command. Examples:

1) You want to find all messages that have "Kenwood" (case insensitive) in the subject:

Is kenwood

2) You want to find all messages that have "recipe" in their subject:

Is recipe

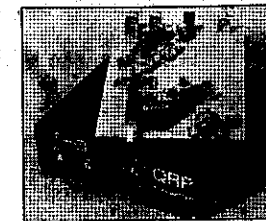
- Jim, sysop de KC6PJW ■

HSC ELECTRONIC SUPPLY

GOODIES FOR THE RADIO AMATEUR:

RAMSEY KITS:

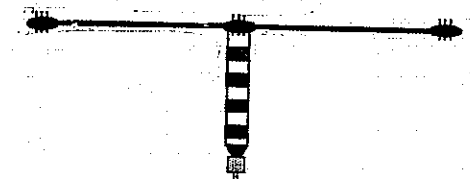
- 50/144/220/440 MHz Synthesized Transceivers
- VHF power amplifiers
- All-mode HF receivers
- QRP CW Transmitters
- Etc...



- MFJ accessories
- Code keys
- Wire Antennas
- Surplus Electronics
- Tools, parts, Etc...

ARRL BOOKS:

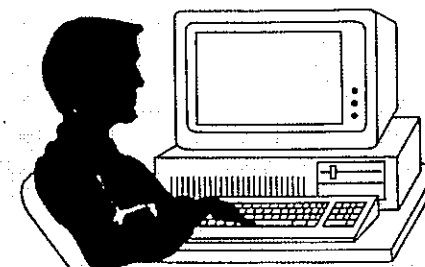
- ARRL Handbook
- License Manuals
- Antenna Books
- Etc...



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Board Meeting Minutes

January 6, 1995

The meeting was called to order by President Kelly Cureton KD6CJQ at 5:43 PM in the meeting room at the Northbay Savings Bank. Other officers present were Vice President Dave New AA6YX, Secretary Al Bloom N1AL, Treasurer Angela Dickey KC6OCD, Repeater Chairman Jim Rutherford WB6PER, Activities Chairman Joel Nadler KJ6LF, Members-at-Large Marie Mappus KI6QY and Jim Andrews KC6PJW, and President Emeritus Merle Pfieff N6VUC. Also present were five other SCRA members.

BUDGET: Most of the meeting was spent discussing the 1995 budget. Some "Income" items in last year's budget were really "net." This year, income and expenses are listed separately, which is why the budget looks so much larger.

The price for replacement badges for members will be \$5, approximately the club's cost. Most of the *Short Skip* ad income must have been entered in the wrong category. Some of the expenses in the budget may not actually be spent. For example, there may or may not be a SCRAPS picnic, and the \$1500 for repeater capital expenses is not earmarked for any specific purchases.

PACKET BBS: The WX3K packet bulletin board system will disappear when WX3K leaves the area in another couple months. Jim KC6PJW's system will remain. Jim has approximately \$3000 of his own equipment dedicated to the bulletin board, as well as on-going expenses such as electricity. The board voted that it was the sense of the board that the club should purchase the entire system from Jim (with Jim to remain sysop), so that it could become a true SCRA BBS. m/s N6VUC/N1AL. Of course, this will have to be voted on by the club. Since we don't have enough in the budget to cover such a large one-time expense, we will set up a "Packet fund" with income from donations and fund-raisers. Kathy KC6UXJ volunteered to spearhead the effort.

The board voted to approve the budget as revised at the meeting. m/s N6VUC/N1AL

AA6YX asked about the status of upgrades to the **REPCO PORTABLE REPEATER**. WB6PER will check on it.

We need a larger **MEETING ROOM** for club meetings — our current meeting room at HP holds a maximum of 100. N1AL will check into other HP facilities. Kelly will check out Memorial Hospital.

The liability **INSURANCE POLICY** has been paid by KC6OCD.

ACTIVITIES AND REPEATER CHAIRMEN: In an excellent simulation of Amtrak, the Board unanimously approved appointment of Joel Nadler KJ6LF as Activities Chairman and Jim Rutherford WB6PER as Repeater Chairman. m/s N1AL/KC6PJW, N1AL/AA6YX

VOLUNTEERS: Steve KK6VY volunteered to be Field Day Chairman with help from N6VUC. K6ZWB will be Flea Market Chair again, with Kathy KC6UXJ heading up the food committee, and Kelly doing the parking.

Meeting adjourned at 7:45. m/s N6VUC/KC6OCD

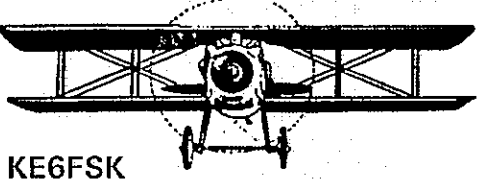
Respectfully submitted by Secretary Al Bloom N1AL.

1995 SCRA Budget

	94 Budget	95 Actual	94 Budget
INCOME			
Dues and initiations	3,350.00	3,332.00	3,350.00
Flea market income	900.00	1,913.64	2,120.00
Raffles at meetings	550.00	544.00	600.00
Short Skip, ad income**	1,100.00	360.00	900.00
ARRL memberships	50.00	38.00	50.00
Refreshment income	0.00	0.00	180.00
Membership supplies	0.00	0.00	150.00
Christmas party	1,375.00	1,375.00	1,375.00
Replacement badges	0.00	0.00	30.00
Capital purchases: packet	0.00	0.00	3,000.00
TOTAL INCOME:	5,950.00	6,187.64	11,755.00
EXPENSES			
Activities:			
SCRAPS picnic	(175.00)	*(236.00)	(200.00)
Fox hunt	(50.00)	0.00	(100.00)
Campout	(175.00)	(244.00)	(250.00)
Christmas party	(1,375.00)	(1,375.00)	(1,375.00)
Flea market	0.00	(1,318.64)	(1,320.00)
Total Activities:	(1,775.00)	(1,855.00)	(3,245.00)
Field day	(550.00)	(805.00)	(650.00)
Refreshments at meetings	0.00	0.00	(180.00)
Badges	(240.00)	(225.00)	(240.00)
Repeater expense:			
Phone	(240.00)	(242.00)	(240.00)
Maintenance & upgrade	(1,500.00)	(2,155.00)	(1,500.00)
Total Repeater	(1,740.00)	(2,397.00)	(1,740.00)
Short Skip newsletter	(1,800.00)	(2,080.00)	(1,500.00)
Training and education	(200.00)	0.00	(250.00)
Amateur radio newline:			
Phone expense	(150.00)	(86.00)	(100.00)
Donation	(100.00)	(100.00)	(100.00)
Total, Newline	(250.00)	(186.00)	(200.00)
Membership supplies	0.00	(22.00)	0.00
Officers' expenses	(50.00)	(207.00)	(150.00)
Packet BBS - daily oper. cost	(45.00)	(78.00)	(80.00)
Volunteer exams	(50.00)	(18.00)	(50.00)
Capital Purchases:			
Radios	0.00	(300.00)	0.00
Packet Equipment	0.00	0.00	(3,000.00)
Total Capital Purchase	0.00	(300.00)	(3,000.00)
Miscellaneous:			
Insurance	(310.00)	(312.00)	(312.00)
Trophies/Awards	(250.00)	(210.00)	(250.00)
Donations	(400.00)	(200.00)	(200.00)
Other	(50.00)	(52.00)	(50.00)
Total Miscellaneous	(1,010.00)	(774.00)	(812.00)
TOTAL EXPENSES:	(7,710.00)	(8,647.00)	(12,097.00)
TOTAL INCOME	5,950.00	6,187.64	11,755.00
TOTAL EXPENSES	(7,710.00)	(8,647.00)	(12,097.00)
NET	(1,760.00)	(2,459.36)	(342.00)
CARRIED OVER, 1994:	2,179.16		

** Actual Short Skip Income for 1994 is Unknown

QRV



by
James Durkin KE6FSK

QRV seems to be going strong, and I am having a wonderful time with the column. When I took this assignment, I put out a call on packet looking for unusual stories. Here is a sampling of the responses I recieved.

From Dennis Shaefer, W5RZ, of the Arkansas River Valley Amateur Radio Foundation, comes this:

In May, 1994, our county sheriff called me and said a lady from a local rural area was upset by something she was hearing on her scanner. She was listening to 31.7 Mhz and was hearing messages about bombardment and attacks on training camps. The Sheriff asked if local hams could confirm the existence of the transmissions and find their source if necessary. I tuned my scanner to 31.7 Mhz, and immediately heard the signal. I heard things like "we are destroying military installations throughout your country" and "desert the area if you value your life." This definitely got my attention! Several local area hams could receive the signal. KB5TCL reported it was readable in New Blaine, about 35 miles to the west. KC5AFL said it was strong in the Jerusalem area, about 20 miles to the east. WB5VOX, KB5ZNO, WB4ICV, KB5VBL and others called in to report reception, and several were able to make tape recordings. All were using scanners without S-meters, so direction finding was difficult.

The "propaganda messages" were interspersed with rock music, so my first thought was this was a kid playing pirate broadcaster with a surplus or stolen radio. Since 31.7 Mhz was formerly used in this area by agencies such as the Game and Fish Commission and the Forest Service, we doubted this was a real military transmission. After all, military stations don't play rock and roll music, do they? We felt that someone had gotten a radio disposed of by one of these agencies, and decided to broadcast! KB5ZNN talked to a Forest Service employee who said this had happened before. Because of the strength pattern of the signal, it was felt it could be coming from White Oak Mountain near Russellville. N5UNM and KB5PWH rigged up portable scanners and headed toward the Mountain, but the transmissions stopped when they started out. This made us wonder if the "pirate" was monitoring our local repeater, and knew he was being hunted.

Something about our "pirate" theory didn't ring true, because the voice said this was part of the "Agile Provider" exercise, and only the government could dream up a name like that! I called one of the National Guard officers who had worked with hams on several projects. He did knew of no such official transmissions taking place, but said he would check it out.

The next day,I got a call from the Arkansas National Guard headquarters at Camp Robinson. They were very

interested and asked me to FAX the transcript of the broadcast to them. They said the Army had 15,000 people involved in war games in Arkansas, and many were in National Forest areas. He said the transmissions seemed authentic, (they do play rock and roll to annoy the enemy!) and could have originated from a "Civil affairs" unit practicing psychological warfare. He said the transmitters used by these units will work on 31.7, but they are supposed to conduct propaganda broadcasts on frequencies that can't be received on home scanners.

He called the Joint Readiness Training Command in Louisiana, and they confirmed that a Special Forces unit was conducting such operations in the area. They wouldn't confirm or deny that transmissions were made on 31.7 Mhz, but they assured him that it WOULDN'T HAPPEN AGAIN! No more transmissions were heard!

From Rick, VE3FMC, Ontario, Canada, I recieved this bit of unusual information:

On August 11,1994, I happened to turn on my 6 meter MX-62 SSB/CW HT and just tuned into the 50.125 call frequency. I heard a station in EN29 operating portable /VE3. This fellow's call was W9DNI and he was working a pileup from Quebec down into Mississippi.

Since my HT has only 250 MW output, I figured there was no way this guy would hear me through the crowd. I was using a homebrewed 2 element quad at about 1/.

I threw my call into the pileup and behold! He heard me on the first go-around. He had a solid 5/9 copy on my QRP station, and it was confirmed with a QSL. EN29 is a rare grid to get as there are not many VHF Operators up there.

All in all, it was a great contact, and it just goes to show that the BIG GUNS don't always get the glory.

On a lighter side, I recieved this from Jay, WB6AAM, in southern California:

A few years ago, I was browsing in a Los Angeles amateur radio store. As I was looking around, a "street person" wandered in. The store clerks looked a little nervous, but I continued with my browsing. The street person began wandering around in the store, loudly reading the labels and displays on the pieces of equipment for sale. This eccentric and somewhat annoying practice continued until the poor fellow came up to one radio in the glass display case. He stared at the radio for some time, and a frown of confusion appeared on his face. As he looked at the label on the radio, he exclaimed, "TWO METER RADIO??? THAT RADIO ONLY HAS ONE METER!!!"

On a final note: I currently work as a live-in caregiver. The person I take care of is bed-ridden due to a severe automobile accident he was involved in many years ago. My duties include cooking, cleaning, and shopping. During the course of doing my errands, he and I use (grit your teeth) C.B. radios to keep in touch.

(Continued next page)

QRV Again! by Bill Waters WA60LW

Fascinating, that fella Tesla, and thanks to Jim Durkin KE6FSK for the super info in the January *Short Skip*. But was Tesla the real "Father of Radio"?

In 1831 James Clerk Maxwell was born in Edinburgh, Scotland. He was to be one of the most brilliant, creative theoretical physicists the British had turned out up to that time. Some 33 years later, Maxwell found a fundamental flaw in the theory of electricity, as it then existed, and he corrected this flaw by the simple expedient of modifying one of the basic equations. Quite arbitrarily, with no justification based on experiments, he added in a mathematical term that seemed to remove the problem.

Modern students of electrical theory say that Maxwell introduced the concept of *displacement current*, the so-called "electric flux" that flows between the plates of a capacitor when it is either charging or discharging. Prior to Maxwell's invention, scientists understood the concept of electrical current flowing in the capacitor's wire connections, but between the plates there seemed to be a discontinuity, a nothingness, and to Maxwell this seemed like gross inconsistency.

To make a long story short, with displacement current in the theory, Maxwell really started something big, for he was then able to predict — to be sure, only on paper — that one aspect of "electricity" is what today we call electromagnetic waves: light, X-rays, gamma rays, radio waves, microwaves, the whole nine yards.

Almost a quarter of a century was to pass before any experimenter put Maxwell's prediction to a definitive test. Between 1885 and 1889 Heinrich Hertz, working at the Karlsruhe Polytechnic Institute in Berlin, conducted a number of incredibly ingenious experiments. He created very broadband radio waves in the 100-150 MHz region using a rather husky spark gap, resonators, parabolic reflectors, and a "sensitive" spark gap as a receiving detector. Hertz created a strong spark in a gap at one location, and up to several feet away a weak spark jumped its gap in response. With these experiments, Hertz was able to show rather convincingly that Maxwell's "waves" followed the well-known optical laws of reflection and refraction (he produced standing waves, among other things); he verified that the speed of the waves was close to the measured speed of light waves, and all this was in accord with Maxwell's theoretical predictions.

Later came Marconi, Tesla, Fleming, deForest, and the whole army of good people and true who have made wireless communications what it is today. Probably the biggest advances in the art, between Hertz and about 1910, were the invention and refinement of ever more-sensitive detectors, such as the coherer, the Fleming diode, and finally the deForest Audion.

Many people before Maxwell's time contributed to the theory of electricity and to the laws of optics. Are any of these the Father of Radio?

Maxwell predicted radio waves theoretically, but provided no experimental verification. Is he the true Father? Perhaps we should give the credit to Professor Hermann von Helmholtz, who taught Hertz, who had studied Maxwell's theory, and who encouraged Hertz to do his famous experiments. Or should we acknowledge Father Hertz, whose rather insensitive detectors didn't support experimental verifications over a distance of more than a few feet? (Interestingly enough, some experiments were done in the 1930's by people who had built copies of the spark generators Hertz had used. With sensitive vacuum tube detectors the sparks were detected over distances of many tens of miles! So it was Hertz' receiver and not his transmitter that restricted him to short distances).

Should the Father honor go to some later experimenter, perhaps Marconi, or Tesla, or --- whatshisname? I'm sure I don't know! 73's es ...



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(QRV continued)

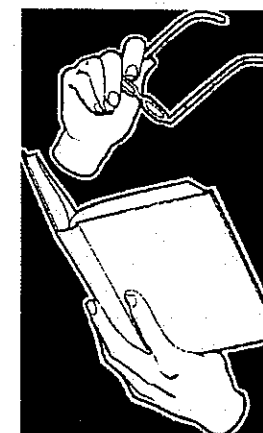
I usually go for a nightly walk to relieve the daily stress and get a little exercise. Normally, I do not carry a CB unless he is not feeling well, or I have reason to believe my services may be needed quickly.

The other night, I made such a walk, took my time, and returned home. When I arrived, my "patient" was laughing almost hysterically. When I asked him what was so funny, he said that he had had a minor little accident and wanted my help. He knew I wasn't carrying a C.B. He also knew I almost always carry my 2 meter handheld. So, he did what came naturally...

He grabbed his police scanner, set it to the clubs frequency, and began yelling, "HEY, JIM!"

Ye Olde Hamshack Book Review

by Rick Reiner, K6ZWB



The ARRL Antenna Book

17th edition, ARRL \$30.

Well folks, if since my last book review you have picked up a copy of the *ARRL Handbook for Radio Amateurs*, here is the natural companion for that publication. Although the *Handbook* has very good information on the theory and construction of antennas, you would naturally have to realize that another publication nearly the same size is going to have a bit more to offer. (No kidding!). The best comment this author can make about this book is that "if you are going to own just one book on antennas this is the one to own."

This bible of antennas has 28 chapters covering from chapter 1, "Safety First" through chapter 28, "Smith Chart Calculations." What is included in between is just about everything you will ever need to know about the theory, construction, care and feeding of antennas for all amateur frequencies below 10 GHz. And a few GHz above for good measure.

But that's not all. Like they say on the tube at the end of the Ginsu knife commercial, but wait! There's more! There is more to this edition of the ARRL Antenna Handbook: computer software. Included at no extra cost is a 3.5 inch disk with programs such as:

YA (yagi analyzer): A highly accurate program for analyzing Yagi antennas.

ION HDX: A program that computes detailed propagation predictions for the QTHs in the "Hows DX" column in QST magazine.

ELEVAT 62: ASCII data files showing statistical summaries of IONCAP computations for US locations to 6 general DX locations.

TL (transmission line): Analyzes impedances, SWR, peak voltage, and loss in typical transmission lines in the HF to UHF ranges.

TAPER.BAS and TAPER: Computes the equivalent length for antenna elements made with tapered, telescoping tubing.

GAMMA.BAS and GAMMA: computes parameters for Gamma match dipoles and monopoles.

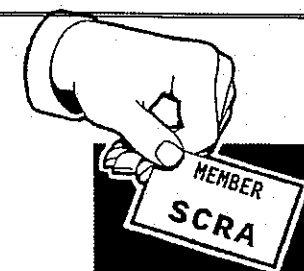
All of us should know that the most important link with other ham stations is our antenna. Remember it is

unimportant how much we pay for our radios or how powerful they are. If we cannot efficiently radiate the transmitted signals or receive them, we will have a pretty tough time getting DXCC or just hitting the nearest repeater whether we're running a couple of watts or a kilowatt.

So go build that new antenna or fix the old one. Good luck, good DX, and good times.

73, Rick K6ZWB

New Members & Corrections



RANDY BLACK
122 BARI LN
WINDSOR, CA 95492
838-7580

DENNIS LINNEY KE6ORV
2655 STEELE LN
SANTA ROSA, CA 95403
578-6228

ROSS COLLINS AC6ET
1513 DEBRA DR
PETALUMA, CA 94954

FRED MORGAN KD6SAQ
59 AVRAM AVE
ROHNERT PARK, CA 94928
664-1297

WALTER MARTIN KE6JIT
POB 734
CLOVERDALE, CA 95425
894-3727

CRAIG COMBES KC6YKD
5038 RICK DR
SANTA ROSA, CA 95409
538-8217

JUNE LINNEHAN KD6LSU
5762 MOBILE DR
SANTA ROSA, CA 95403
837-7409

We now have
298 members

CQ Crossword

Last month's answer

1	I	M	P	O	U	N	D	6	K	I	7	L	O	M	H	O
11	I	R	S				12	D	E		13	A	S	I	A	
14	S	C	O	U	R	G	E	16	R	E	S	I	S	T	S	
18	E	O	T		O		19	L	O	C		S		S	I	A
22	T	R	O	U	B	L	E	S	H	O	O	T	I	N	G	
27	S	S	C	S		A	C		U	T		30	L	O	G	S
			O		A	N	T	E	N	N	A		N			
34	S	O	L	A	R		36	R	R	K		37	L	A	S	E
40	S	S			R	F	I		E	T	A				R	C
46	B	C			E	L	E	C	T	R	O	N	S		G	C