



SHORT SKIP



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Club Station

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Repeater Station

W6LFJ

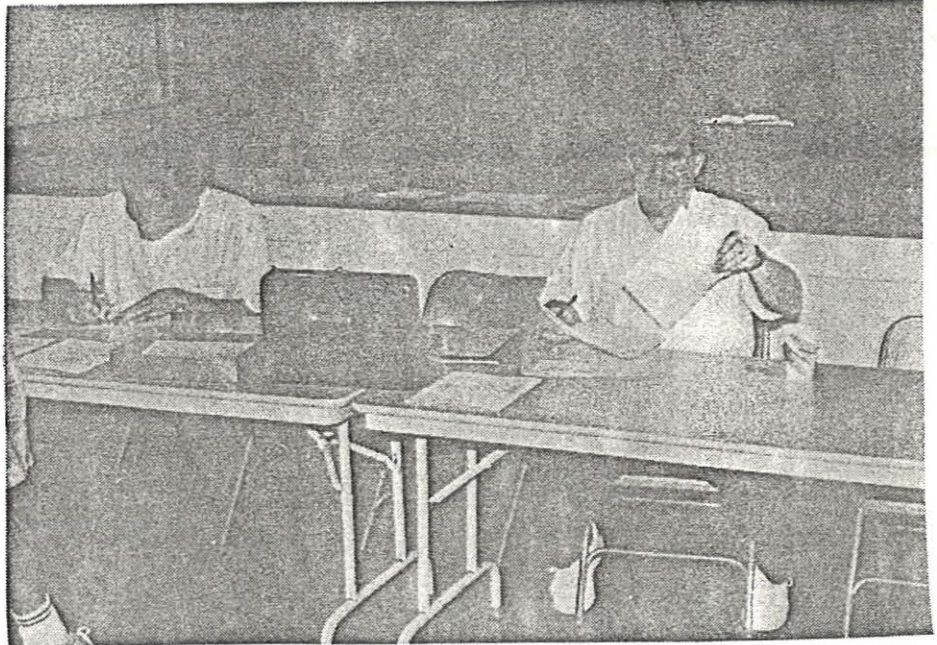
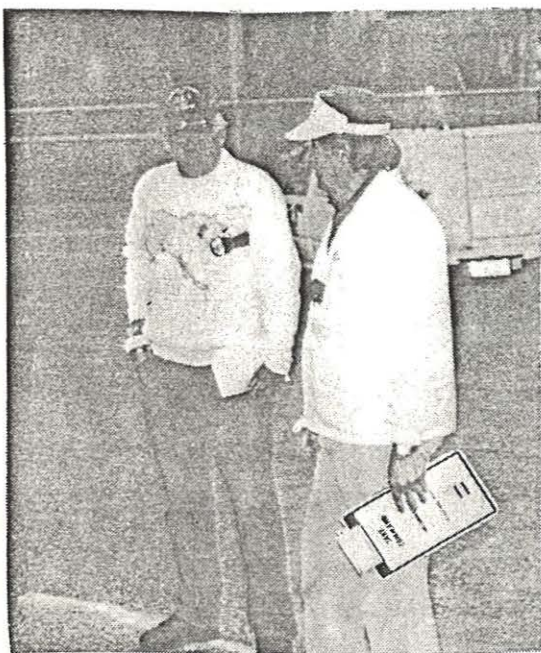
Santa Rosa, CA 95402

WB6PVS

NOVEMBER 1993

VOL 18 #11

More Flea Market photos: (Tnx Jim KC6PJW)





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 AUDIO TAPING: John Breckenridge WB6FRZ, Laurel Meyer KC6FKX, Bob Phillips N6RM

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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

Club Meetings:

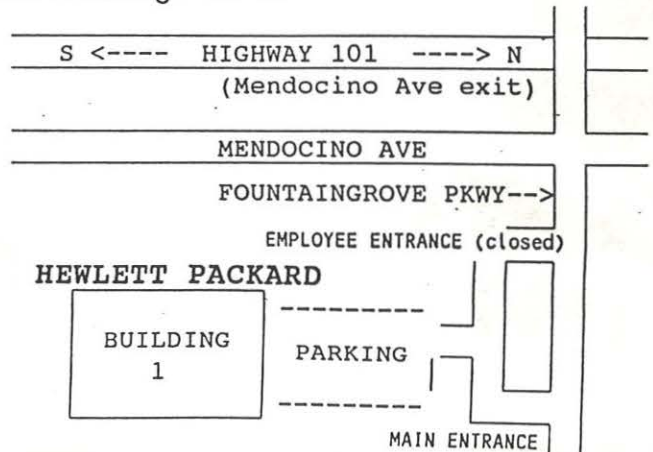
7:30 PM, 1st Wednesday each month at the Hewlett Packard plant in Santa Rosa. (See map below.) All are welcome.

Next Meeting: November 3, 1993
Program: Emergency Preparedness
 by Darlene, KD6GCK

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 ...



SCRA TRANSMITTER HUNT

by John Breckenridge WB6FRZ

Thanks to all those who chanced what weather there might be to participate in the 2 meter transmitter hunt on Saturday, Oct. 16. Sixteen of you signed up for the hunt, twelve calls were logged at the starting location, and about eighteen showed up at the fox location. Teams logged in at the beginning were:

N6FAX/W6DTV/N6PTM	KC6BSI
KD6GCK/KD6GCD	KC6PJV
KC6RHA/KC6NDU	KD6LTA
N6RBZ/KD6ZZD	

There were more hams involved as part of the above teams, whose calls do not appear above; sri.

The foxes were hiding at Lake Ralphine in Howarth Park, right on the edge of the seven-mile radius limit. This year, the winner was the KC6BSI team, with a mileage number of 10.2 miles. Runner up was the KC6RHA/KC6NDU team with 16.1 miles. The KC6BSI team used a four-element yagi and an attenuator mounted on a short hand-rotatable mast to locate the foxes.

When time was getting short because of threatening weather, the foxes decided to give their location so that all could meet and enjoy the surprise festivities. The fox team had hamburgers and hot dogs cooking on the grill as the teams arrived. These goodies along with homemade potato salad, chips, and drinks made a very tasty lunch for all participants.



Several teams had other commitments for that day and could not join the rest of us at the fox site after a morning of hunting. We are all sorry you were unable to attend, but we each had a hamburger in your honor. To these folks and ALL who participated, we thank you for making this fox hunt a success and an enjoyable event for all who stalked the fox.

The foxes of 1993 challenge the new foxes of 1994 and all future foxes to make this event even more fun and enjoyable in the coming years. As a suggestion, several smaller hunts could be organized throughout the year with smaller areas of search; say two miles from the starting point. This would give more people a chance to participate, and make the foxes think of trickier ways to not be found. Skills would be better developed with more than one hunt per year.

John WB6FRZ, Jim KD6JZJ, the 1993 foxes. ■

Different Meeting Place!

The November meeting will NOT be at the Hewlett Packard plant. At press time, it looks like we'll be at Cattlemen's restaurant in Montgomery village. Monitor the club Tuesday night net for the final word. ■

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CITY OF SANTA ROSA - RADIO AMATEUR ACTIVITY SURVEY 1993

The Sonoma County Radio Amateurs inc. is endeavoring to develop a data base covering the activity status of licensed radio amateurs living within the city limits of the city of Santa Rosa. The information you provide may be useful to us in assisting other amateurs to obtain the city's approval for their antenna installations. The data you provide will be treated as confidential. That is, we will not disclose to anyone, without your consent, your identity or the specifics of your amateur radio activities.

Should you have any questions relating to this survey, please feel free to contact Joe KM6TN at 578-5824. An answering machine is always on. I can also be reached through the WX3K BBS on 145.73 MHz.

We appreciate your assistance in helping us with this project. If you are not a member of the SCRA, why not attend one of our meetings which are held the first Wednesday of each month at the Hewlett Packard facility, Fountaingrove Parkway, Santa Rosa. The meetings start at 7:30 PM local time. We look forward to meeting you.

Please detach at the line and return to:
Sonoma County Radio Amateurs, Inc.
P. O. BOX 116, Santa Rosa, CA 95402



Name _____ Call _____

Street Address _____

City, if other than Santa Rosa _____ County _____

Are you at present active on any of the following:

HF _____ VHF _____ Packet _____ Other _____

Do you live in an apartment or condominium with antenna restrictions? _____

Do you live in a private residence subject to CC&R's that would prohibit antennas? _____

Do you own the home in which you reside? _____

Do you live in a mobile home park? _____

Have you ever applied to the city of Santa Rosa for approval of any type of antenna for personal use? _____ If yes, please give details:

Again, thanks for your participation in this survey, and 73.



SCRAPS: SCRA Public Service

By Kathy Mahan KC6UXJ

September was an exceptionally busy month for public service volunteers. We had a double header on September 19th. The "March of Dimes Walk America" in downtown Santa Rosa which went without a hitch thanks to: Kelly KD6CJQ, James KD6GSF, Lorraine KD6KRW, Lynn KD6TYL, Darlene KD6GCK, Jim KD6WIS, Jim KD6GCD, Bill KD6LTB, Ted KB6PTA (glad you finally found the right event Ted) and Dave KD6KWM.

Also on the 19th was The "American Diabetes Clo's Classic Bike Ride." If you recall, last year this event was right across the street from the infamous Tire Fire. This year it was much more relaxing, in fact we had to call each other to keep awake (except when Kathy KC6UXJ fell and sprained her ankle. Thanks for the ice Steve and your concern Mike). The volunteers for this event on that chilly morning were: Steve KC6NEO, Peter N6JBV, Don KD6HQ, Bill KA6JLP, Gary KD6BOF, Mike KD6PKF and myself KC6UXJ. Everyone did a fine job on both events!

On September 25th and 26th quite a few of us worked the "MS Waves to Wine." This event is our second largest of the year and always requires lots of hams. One of the best aspects of the Waves to Wine is the food....It's always great no matter what rest stop you're at. This year a number of us stayed for the dinner on Sat. evening and the slide show presentation. It was an opportunity to see if our fellow hams were working or playing and it looked like a little bit of both. If you sign up for this event next year, be sure to come to the party on Sat.

A salute to the Gold Wings who are also such a viable part of the Waves to Wine. I spoke to a few of these "tiny" fellows and more and more of them are studying to become radio amateur operators which will be such a plus for us in the future. A note in passing.....With our support and that of all the volunteers that make this event so successful, the Multiple Sclerosis Society raised \$300,000. That's

exciting and it couldn't have happened without: Merl N6VUC, Marie KI6QY, Dave KD6KWM, Hank W6DTV, Sarah N6FAX, Jim KC6PJW, Nancy KD6KVJ, Jeff KC6PJV, Bill N6GHG, Kathy KC6UXJ, Ken N6GX1, Georgia N6GZU, Jim KD6JZJ, Bill WA6OLW, Don W6CPE, Taylor KD6VOO, Jay KD6QFW Karen N6ZZP (Gold Wings) Rick KC6UXI, Rudy N6KLU, John WB6FRZ, Tom KC6ZJX (also resident photographer for this event). R.L. KK6GP, Bill N6GHG, Nadine KC6WUI, Steve KC6NEO Brian N6IY, Wilbur N6MGY, Candy N6NSG, Dale N6MRV, Peter N6JBV, Adam KD6POC, Wike KD6FBN, George KD6WIR, Mel KOMQT, Clarence W6IZR, Doug KC6RHA and Hoppy WD6CKP (Get well soon Hoppy)

There really isn't a way to say thank you for all your time and energy, but I hope you feel the way Rick and I do, it sure is a great feeling to see so many people come together for such a worthy cause. Congratulations!

Last but not least...(keep your fingers crossed) our last event is the "Easter Seals Miracle Ride." This is a first for us and although it isn't until the 16th, I'd like to thank the volunteers for this bike ride in advance. Marie KI6QY, Rudy N6KLU, Wilbur N6MGY, Nadine KC6WUI, Phil N6OOA (I'm glad you're feeling better Phil) and Dave KD6KWM (I think this puts Dave into 3 digits for volunteer hours). This ride commemorates the 75th Anniversary for Easter Seals and their goal is to make this as big as the Waves to Wine. We wish you luck!

Well folks, I guess that's a wrap for this year....I'll be back next month with some facts & figures and Lorraine, hopefully some pictures! ■

Jim Pelmulder
N6PTM

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ARES/RACES/VIP Meeting

by Frank W6MN

Saturday, September 25th, four of us traveled to Willits to attend a regional ARES/RACES/VIP meeting conducted by John W6TLK, ARRL San Francisco Section Manager, and Dale WB6TMS, SF Section Emergency Coordinator. The following subjects were covered:

1. **VIP** (a Calif Dept of Forestry abbreviation for Volunteers in Prevention). A standard nickname is now commonly used for a licensed amateur VIP assigned to an official: a "shadow". Dale covered a number of details about the requirements of a shadow. Bob AA6VS, Larry K6CQE, and Frank W6MN took notes and would be happy to go over these details upon request. It is obvious that we need more training to bring us all up to date.

Several years ago, a number of ABARC members attended the first training session offered in our area, at the CDF in Pt. Arena. Bob Sears is checking on the possibility of us having added sessions to come up to speed in the VIP "shadow" area.

2. **ICS**: Closely related to our potential work as VIP "shadows" is the need to be prepared for ANY kind of incident involving local and/or visiting jurisdictions. The initials ICS stand for Incident Command System. This system is being universally adopted, at least in our state and, if I recall, even nationally.

It behooves us to be trained in this system. Whenever a disaster mushrooms into a multi-agency incident, ICS provides a standard way to organize and communicate. The first agency leader on the scene usually becomes the Incident Commander — even when higher authorities are present. Communications between agencies is a need which we can fill.

An excellent example was cited: the recent "Tire Fire" at Santa Rosa. What started as a call-out of the nearest fire company turned into a complex situation involving some 20 or

more agencies plus lots of press. Such incidents will likely require our help to provide communications between many agencies who may not always have common frequencies.

3. **Toxic Materials and Waste**: At the Willits meeting, we received two handouts covering toxic materials and waste. The one entitled, "You Have a Right to Know", is directed mainly at those working in industry or the like. The second is a fine, small booklet entitled, "1990 Emergency Response Guidebook", a guidebook for first response to hazardous materials incidents.

4. **Area Reports**: John called upon district and local emergency coordinators to report on their ARES, VIP and RACES activities. The details are too numerous to include here, but any of the attendees from our club would be happy to talk over these details with anyone who is interested.

Excerpted from *The Wavelength*, Anchor Bay ARC. ■

Pretty good DX!

By R. L. Caron KK6GP



The Russian MIR space station continues to orbit the earth after some seven years, and the latest crew is using the call RØMIR for FM voice and RØMIR-1 on packet. It makes several passes a day over Sonoma County, and can easily be heard...even on a HT with a rubber ducky! Just set 145.55 into your radio and wait. Even if you don't have a computer tracking program, set that frequency into your packet program and watch for activity.

Digital contacts with the on-board Personal Message System are easy with whatever setup you now use for terrestrial work. Orbits are about 1 hour 35 minutes apart, and "good" passes generally happen in three's and fours, followed by 12 to 15 hours of silence. Unless there is a US Space Shuttle SAREX mission aloft, activity on this frequency is almost certainly the Russian spacecraft. And if you are lucky, you'll hear either Vasily or Aleksandr on regular NBFM. This crew is more chatty than previous ones, so give it a try. ■



Ham News

by R. L. Caron KK6GP

BIG CHANGES MAY BE JUST A YEAR OR TWO AWAY for the Volunteer Examiner Amateur License Testing Program. In a proposed notice of rulemaking, the FCC wants to allow VE's to file test results electronically and to issue temporary call letters on the spot! Soon, that interminable eight to twelve week wait that all new hams endure may be a thing of the past. Here's how it will work:

When an applicant qualifies for a new Novice or Technician license, the Volunteer Examiners would immediately issue a CSCE and a temporary call. They would then file an electronic Form 610 by modem to the FCC license facility in Gettysburg, PA. There, a regular permanent call would be assigned and the license printed and mailed out, all within a few days.

The temporary call would be a 2x6: the prefix 'WC,' the call district number, the individual's initials, a slash bar, and a two letter class-of-license designator. In other words, if Mary Jane Harris of Sebastopol went to the SCRA Swap Meet this September and passed elements 2 and 3A to qualify for a No-Code Tech license, she would be issued the call WC6MJH/KT on the CSCE. She could then leave the VE session, and from the parking lot pick up her new 2 meter HT and call her ham husband (monitoring 6.73 while driving through Novato) with the good news!

Earlier, the FCC brought Novice testing into the VE program, and will allow General class hams to become Volunteer Examiners for license exams up through Tech Plus. This is in addition to the present Advanced VE's, who can test up through General, and Extra VE's who test for all grades of license. These new moves, especially the instant operating authority for new hams, will most likely spur another wave of interest for our hobby! *Tnx ARRL.*

LATEST CALLS ISSUED are AB6VY for Extra, KN6QI for Advanced, and KE6AOT for all other classes. The FCC appears ready to begin issuing club and military calls once again, most likely through one or more VEC's. These will be of a unique series NA-NZ and in the 2X3 format. The ARRL has filed a request

with the Commission to become the exclusive licensing entity, claiming that any other plan will only lead to confusion.

CHOOSE-YOUR-OWN CALLSIGNS? the FCC's Ralph Haller claims that when the FCC's new computer system is operational, hams will be able to file requests for special call signs. Except for a brief period when Extra Class hams were allowed to pick any unused call, the FCC has consistently denied all requests for exceptions to the machine-generated sequential issuance of calls. A special fee will definitely be part of the plan, probably \$75 or more. The process of applying will be somewhat similar to the procedure for special vehicle plates: listing your choices in order of preference. It's expected this will generate a flurry of activity, as many will want to recapture former calls lost by forgetting to renew a license or those once held by loved ones. As it looks now, any unused combination that conforms to the format authorized by your license class will be issued on a first-come first-served basis. Don't rush for the callbook just yet. This is at least two years away. *Tnx Newslite and ARRL.*

LICENSE FEES FOR HAMS were averted by the ARRL's actions during negotiations over the recently-passed Budget Reconciliation Act. One draft version of the bill included an annual regulatory fee on every licensed radio amateur. The fact that we continue to provide important services in times of disaster and emergencies played heavily in our being spared this additional tax, which almost certainly would have had a negative effect on attracting new converts to our hobby. It's a good point to remember the next time the call goes out for help in a public service event or training exercise. Thank you, ARRL, for pointing out the value of our efforts to our "friends" in Congress. Check page 9 of the September issue of QST for an update of the new rules governing such activities. *Tnx Hamnet.* ■



345 West College Ave, Santa Rosa, CA 95401 (707) 527-6000

STEVE BASHAM
Manager

SCRA MINUTES

October 6, 1993



The meeting was called to order by President Rick Reiner K6ZWB at 7:35 PM. Other officers present were Vice President Pete Sourek KC6UXM, Secretary Al Bloom N1AL, and Members-at-Large Kelly Cureton KD6CJQ and Merlyn Pfeiff N6VUC.

VISITORS: Shelly KD6AFZ introduced six visitors.

The **MINUTES** and **TREASURER'S REPORT** were approved as published. m/s K9ASL/KD6GCD, KD6PKF/KC6BSI.

REPEATER: N6PTM reports no problems.

PUBLIC SERVICE: Rick KC6UXI passed out patches to participants in the Harvest Century. A last-minute event coming up is the Easter Seals bike tour Oct 16.

EDUCATION: Steve KK6VY notes that Ed and Ray's Novice/Technician class is in its fifth week. There are 3 more weeks for the Novice portion, then 4 weeks for the Tech. There are about 10 students in the class. Steve is looking for teachers and assistants.

ACTIVITIES COMMITTEE Chairman Merl N6VUC, on behalf of himself and Kathy, thanked those who helped with the Waves to Wine event. With over 1000 riders, there were only two ambulance runs — It went very smoothly.

NET CONTROL STATIONS: Several volunteers stood up. In addition to Mike KD6LYU this month, Phil WA6SEU signed up for November and Bill WA6OLW for December.

ELECTIONS are next month. See Merl N6VUC with any suggestions for the Nominating Committee.

A **CPR CLASS** instructor has been located. The class will run about 2½ hours with a 40 person maximum. Cost would be \$15 each. There was lots of interest at the meeting.

MEMBERS' QSL CARDS were put on display by N6VUC.

The **FLEA MARKET** grossed about \$1600, according to Rick K6ZWB. The sellers were pleased with the new arrangements. Brian N6IY explained some confusion that resulted from the Radio Clinic's FM deviation measurements.

The upcoming **TRANSMITTER HUNT** was covered by John WB6FRZ. John and Jim KD6JZJ, as last time's winners, will be the "fox" this time. N6PTM pointed out that November *QST* has a good article on the subject. Jim discussed the antennas and equipment needed for a successful hunt.

K6ZWB mentioned that W6DPD is running in the upcoming ARRL Director elections.

The **PROGRAM** was an on-screen demonstration of the WX3K packet bulletin board system by John WX3K. There are lots of features that most users never access.

The **RAFFLE** was handled by stand-in Phil KC6BSI. The **LOTTERY** would have been won by Dorothy KD6VUN had she been present.

The meeting adjourned at 9:45 PM.
Respectfully submitted by Secretary Al Bloom N1AL. ■

Board Meeting Minutes

September 8, 1993

The meeting was called to order at 5:37 PM in the Northbay Savings meeting room by President Rick Reiner K6ZWB. Other Board members present were Vice President Pete Sourek KC6UXM, Secretary Al Bloom N1AL, Treasurer Jim McLaughlin WA2EWE, Repeater Chairman Jim Rutherford WB6PER, and members-at-Large Kelly Cureton KD6CJQ and Merlyn Pfeiff N6VUC. Members Jim Pelmulder N6PTM, Kathy Mahan KC6UXJ, and Dave Willey KD6KWM also attended.

FLEA MARKET: K6ZWB mentioned that the sellers he talked with seemed to be very happy this year. We should have financial totals next month when all the bills and receipts are in hand.

The **CHRISTMAS PARTY** should be the first Wednesday in December. The consensus was to try for Cattlemen's restaurant again this year. WB6PER insists that any live christmas tree be fire-proofed and approved by the local fire department. Hopefully we can have our November meeting there again as well, since the HP room is not available.

The **MEMBER OF THE YEAR** Chairman is not yet picked. Hopefully last year's winner W6TLK will agree to do it. The President and Vice President will get together to decide on other service awards to be presented at the Christmas party.

A **GET WELL CARD** for Hoppy WD6CKP was purchased and signed by those present.

A **CONSTITUTIONAL AMENDMENT** was proposed by WB6PER to make the Public Service Director a member of the Board. Jim will make the formal motion at the next club meeting.

REPEATER: WB6PER presented a bill from MarCom for \$495 for the standby charger for the battery backup unit. Mike Aber will build a rack to hold the batteries. The board authorized another check for \$800 to Jim to cover the batteries and battery cases, with any leftover to be used for materials for Mike. m/s N1AL/N6VUC These expenses were previously authorized by the club.

N1AL is looking into finally getting IRS 502(c)(3) status for the club. It will require a change to the articles of incorporation.

CORRESPONDENCE: N1AL has received posters for the Polly Klass kidnapping, \$\$\$-off coupons from Alinco, a bill from WB6TMS for educational materials and a Letter from David Van Nuys.

PUBLIC SERVICE: KC6UXJ noted the upcoming Easter Seals Miracle Ride (75 miles) on Saturday. Next year's Public Service Director will be Marie Mapus KI6QY.

K6ZWB suggested donating to the Polly Klass fund. The consensus of the Board was that there are many charities worthy of donations, but SCRA should stick to amateur radio related activities.

Meeting adjourned at 6:40 PM. m/s KC6UXM/K6ZWB

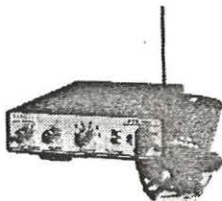
Respectfully submitted by Al Bloom N1AL, Secretary. ■

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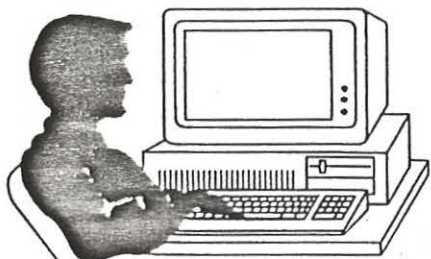


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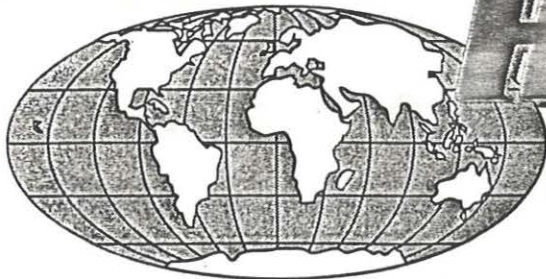
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Don't Touch That Dial!

by Brian Torr N6IYY

At the SCRA Flea Market on Saturday, September 18, there was some concern that Radio Clinic's FM deviation measurements were reading too high. In fact, when later verified against a calibrated signal generator, the readings were about 2% low. The error was not in the test equipment, but in the advice of what the measurement should be. The Radio Clinic measures peak-to-peak FM deviation. For a transmitter with 5 kHz peak deviation, it should ideally measure 10 kHz peak-to-peak. Most of the HTs tested were very close to 10 kHz peak-to-peak.

Unfortunately, the advice given was that the ideal measurement would be about 7.5 kHz. This assumes measuring peak-deviation (NOT peak-to-peak) and adding the modulation bandwidth (typically 2.5 kHz). This is really a measure of the FM bandwidth, not FM deviation.

In summary, if your radio measured approximately 10 kHz peak-to-peak deviation there is no need to readjust it. Sorry for any confusion this may have caused. ■

The sign below was seen in a certain ham shack. Sounds like a very serious operator (HI HI). 73 de Randy KF8TV

DON'T YOU GO TOUCHIN' ANY OF MY RADIOS
UNLESS YOU IS INVITED TO. AND THEN
YOU TOUCH THEM AS IF YOU WAS TOUCHIN'
MY WIFE AND I WAS WATCHIN' YOU WITH A
12 GAUGE DOUBLE-BARREL SHOTGUN RESTIN'
ON MY KNEE. YOU GOT IT?

Downloaded by AI W6MEO

Application for Membership in SCRA

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

Dues: \$12/year, \$18/year family. New members also pay a \$6/person initiation fee. Dues for new members *only* are pro-rated \$1 (\$1.50 family) per month, starting at renewal time, March 1.

I WOULD LIKE TO PARTICIPATE IN:

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- () Field day, other operating events
- () Helping with SCRA Flea Market
- () Acting as club Net Control Station
- () Helping with *Short Skip* newsletter
- () Taking a Novice class
- () Teaching a Novice class
- () Taking an upgrade class
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- () Other _____

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Fill in this section exactly as you want it to appear on your badge.

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First Name _____

City _____



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A pair of 2 meter rigs with P/L's and encoder:
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YEASU SP101PB phone patch \$55.00.
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Eran 996-8933.

KENWOOD 215A HT w/spkr mike, extra
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RADIO SHACK 10 METER rig. USB & CW.
Good cond. \$125.00. WANT: KENWOOD
440. KD6MAZ Pat 542-1274.

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KD6TYL Lynn 526-3778.

PDL2 QUAD ant sale/trade \$175.00. 10 AMP
POWER SUPPLY from phone company. Good
for parts. \$10.00. KD6ZZE Ed 763-9413.

WANT: R5 OR R7 vert HF ant. KM6QO David
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GR7 7 dB OMNI. 6 months old. Plus 20 feet
of mast. \$120.00. N6RIF David 894-4787.

COLLINS-ROCKWELL KWM-380 all-mode
tranciever, covers 160-10 meters + WARC,
CW and SSB filters. All mods made by
factory. Maintained by factory. \$3000.00.
ALPHA 78 no tune amp, 160-10M no WARC
bands, 220V, 3 new factory-installed final
tubes. \$3000.00. W9IYG Herb 525-1168.

HALICRAFTERS HT-44 tranceiver 80-10
meters. Modes and condition unknown. \$75.
SBR-34 80-15 meter tranceiver. Unknown
modes or condition. \$75.00. WANT: TS-
440/AT. WB6NOV KEN 792-2634.

Whoever bought the National NC-57 at the
flea market, I have a photocopied manual for
it. It's of no use to me! AL N1AL 538-7115 ■

DATED MATERIAL:
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