

SHORT SKIP



SONOMA COUNTY RADIO AMATEURS, Inc.

JULY, 82 VOL. 7, #7

DX WATCH

Cont.

I found that three different sets of phonetics covered almost any situation. A short, punchy set for good conditions, where I knew my call would get through, or for tailending: Sugar Queen Baker. A slightly longer set, for use when the first one failed: Sierra Quebec Bravo. This set had the advantage of very high average output; I could really hang the relative power output meter up with Number 2. The final set was the lousy condition set: Santiago Quebec Bolivia, to be used only under adverse circumstances, when repetition of the other two failed miserably. I used this phonetic after contact was established. If the DX station did not have my call correctly, or continued to struggle with the call, I would switch to the longer phonetic.

Many amateurs use phonetics for the suffix of their call, but ignore the prefix. When the only stateside calls began with K, W, WA, and WB the possibilities for error remained small. But even the advent of WD and N calls rapidly discredited this practice. The current proliferation of similar sounding prefixes (KB, KD, KE) makes the use of phonetics for both prefix and suffix mandatory.

Finally, phonetics are very personal. What works for one voice, rig and Microphone might not work for another combination. Guest operators at the big contest multi-multis are familiar with this problem. Each operator has to experiment to find the phonetics which work best. Meanwhile, see you in the pileup! Next Month a treat for the CW DXers, as we examine zero-beating.

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CLUB OFFICERS 1982

President	Len Geraldi	K6ANP
	795-4335	
V. Pres.	Spencer Barnes	WA6IXC
	526-1514	
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	527-0840	
Activities	Chuck Sabin	N6DDK
	795-2371	
Sect.	Bart Holmes	KA6HGW
	528-3955	
Tres.	Frank Gleason	KB6OK
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At Large	546-8860	
SCRA, Inc.	W6LFF	
Rptr.	WB6PVS	
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	Sarah Davis	N6FAX
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Educ. Train.	Al Bloom	NIAL
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Club QSL		
Mgr.	Jim Tomer	W6CYM
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Coord.	Hank Davis	W6DTV
Reptr. Tech.		
Comm.	Al Bloom	NIAL
Field Day	Don Osborn	WA6ACX
	829-0565	
	Gary Davis	WA6PMN

RACES OFFICERS

Radio Officer	Herb Sullivan	K6QXB
	526-3307	
Assn. Radio		
Officer	Lyle Meek	N6BLN
	526-3233	

Meetings for RACES is 1st and 3rd Mondays 7:00 PM-Local Freq. Adm. Net. 7:30 PM 146.73.

CLUB MEETINGS

1st Wednesday each month EOC. County Operations Room. 8:00 PM

BOARD MEETING announced at June meeting.

SCM Pacific Div. North. NA6T, Bob Smith, POBx. 1425, Fort Bragg, CA. 95437-- 964-4931

Pacific Dir. Bill Stevens- 2074 Foxworthy Ave. San Jose, CA. 95124

KD6NT--Al Schmidt is the new Trailer Chair-Person. Al needs all the help he can get to ready the trailer for Field Day or any other use.

CURRENTS AROUND THE CIRCUIT

Too late for the June issue of Short Skip we understand AG6C, Betty Bravin will be the new licensee for the 146.73 repeater. We thank Ron Pipes, WB6NBR for his period of time as licensee of the repeater.

This is being written early as your editor has to spend several days in the hospital during the regular Short Skip publishing period. Perhaps everything will be back to normal for the August issue.

We seem to have some nasty items rearing their heads and causing Amateur Radio major problems in parts of this country. (W5YI)

The city of Burbank, Ill. has virtually stopped amateur and CB antenna structures within the city limits. Registering of existing antenna structures, annual inspection, also it is unlawful to interfere by radio transmission with any electronic device. They have a \$25 and up to \$1000 penalty per day of interference. A nice city to move from.....

Nearer home, San Luis Obispo is defying FCC and paying no regard to amateurs by saying there are only 400.00 amateurs and 20 Mil. Cable TV'ers, so the rules are not serving the majority of the people. Soco I guess the answer is go ahead and break the law as long as it benefits business. It will be an interesting case, keep in touch.

Well even closer to home is another problem. Lately you have heard signals on our 146.73 repeater that were not from around here. That is true. They are coming from the new repeater on our same frequency from king city, W6LIO. With a beam and only 4 watts you can bring up their repeater from Santa Rosa. Our frequency and repeater has been on for over eight years and this is the second repeater that I know of that has caused interference. Neither of the two are NSRC stations. So to help them out point your beams south.

I should not have said that OH well.

Steve Meek son of Lyle N6BLN has received a request from the Base Ball Coach of Brigham Young U of Utah, for summer training. We hope Steve makes good.

The following helped at the Cotati ASS to ASS (SR) Run. N6DDK, NCS, WB6FRZ and Wife, N6FYV Connie, KA6SSL Rich, WB6RHP Warren, WD6DXW Bill, W6DTV Hank, and Sarah N6FAX. It was interesting. Ask Connie how to make friends with the local Fuzz.

Two new runs coming up soon, the Moscow Rd run at Monte Rio on the June 13 week end and Kenwood Run on July 4th. Need Help please see Chuck Sabin N6DDK

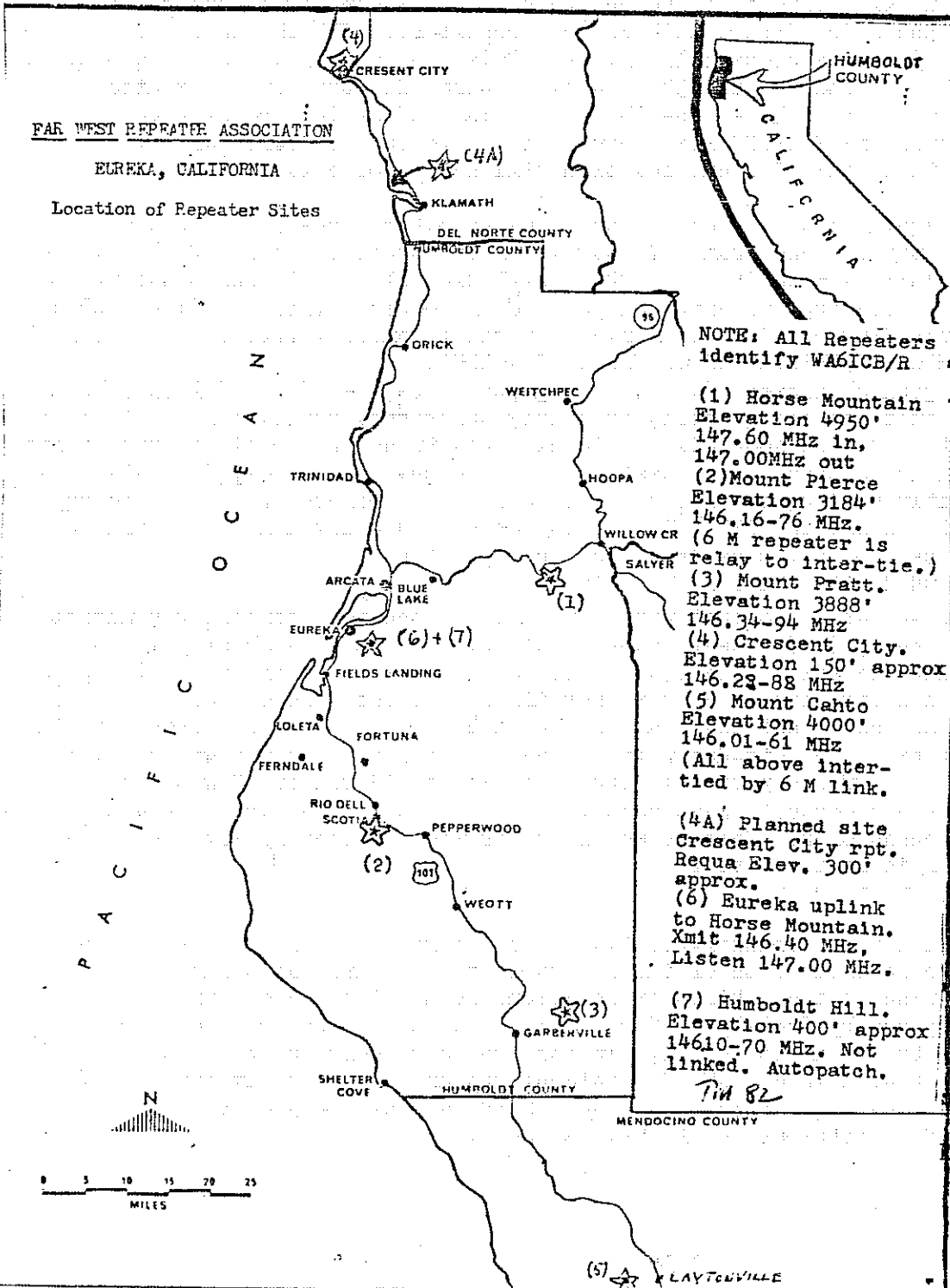
REPEATER SYSTEMS

Most members of the two meter group often wonder about other systems than their own. This issue of Short Skip is printing information sent to us from the issue of RAIN of the FWRA. You may be travelling the north country on Hwy 101 and want to work one or all of their repeaters. I understand you are welcome. Thanks Tom Monroe, W6GGR.

There is a map and a block layout of the system.

FAR WEST REPEATER ASSOCIATION SYSTEM

Often, lately, members of the FWRA are heard trying to explain our unique inter-linked repeater system to Hams passing through the area, and giving out much misinformation about the system and the locations and frequencies of the various repeaters. The sketch map and diagram on this page and the next are to clear up some of the mystery. Cut them out, and put them where you can find them when you need to brag about the system.



A SYSTEM FOR DE-JAMMING

The other night we needed this on our 73 repeater when one of them moved on to the Tuesday nite net.

ELECTRO MAGNETIC

interference can prevent even the best communications devices from accurately sending transmissions over the air. A prime example of this is when a radio signal is jammed on purpose by anyone. The military now has a way to reduce the effect of jamming by using a micro electronic device that recognizes only specially encoded signals containing voice communications and filters out the jamming noise. The device selects the encoded signal judging the correlation between radio signals and comparing it to a special code that is programmed into the devices memory. If the correlation is correct the radio signal goes through. The encoded data is then passed onto other sections of the radio system, where the signal is reassembled into recognizable speech-----

PM 82- I hope the day of the jammer could be over.

Our local jammer was on at the ASS to ASS run I hope the frequency users maintain their low key it seems to work. He did not stay long. FCC is picking them off one at a time. Maybe we will be clear soon. A DF team is needed in this area to help find these and other needs in the area.

W5YI REPORT JULY SHORT SKIP

GE Petitions FCC to Rule on 900MHz Service. In what has to be one of the most expensive massive, and detailed petitions ever filed with the FCC, the General Electric Co. has filed what it calls "Supplemental Comments and Petition to Expedite Initiation of Rulemaking Proceedings" in PR Docket No. 79-140. Everything indicated that we were well on our way to a 900-MHz public radio service. But 18 months has passed and still the NPRM has not been issued. The fact remains, however, that while it may not still be considered a "major matter", the issue still remains open.

Personal Radio Communications Service. To fill a gap between CB and a new type of mobile radio telephone service known as cellular radio. GE proposes???

A base station attached to home or business phone. Plus mobile units. No licensing requirements. Cost for two station unit \$350.00 to \$400.00 with a range of about 5 miles. Expanded to 15 miles or so with use of repeaters. 151 (30 KHz wide). Each party access to two simplex channels and 149 duplex channels for selective calling. 5 control channels for direction service. 32 channels for direct calling (non repeater). 112 channels for repeater channels. 11 digit ID'er. # minute phone calls limit. Emission to be FM. Two frequency bands proposed. 887 to 891.47 and 932 to 936.47 MHz. General Electric firmly stated that PRCS will neither compete with or replace the CB or cellular radiotelephone service.

WARC amateur frequencies are 902-928 MHz. Now it is up to FCC to decide what they want to do if anything, but I think this 3 pound petition will have some effect. What do you think???????

Sinclair has done it again, another bomb on the home computer market. His brand new (not seen yet in this country), "Spectrum" \$200.00, 16K microcomputer has a full calculator-type keyboard, fully "memory mapped" Z80A CPU, a real time clock. An audio output and a full color display. He is seeking FCC approval for the RF modulator. New 3" floppy disk within the year. Sinclair's \$100.00 ZX 81 is market through Timex.....

FCC ISSUES INQUIRY INTO IMPLEMENTATION OF THE WARC ACCORD.

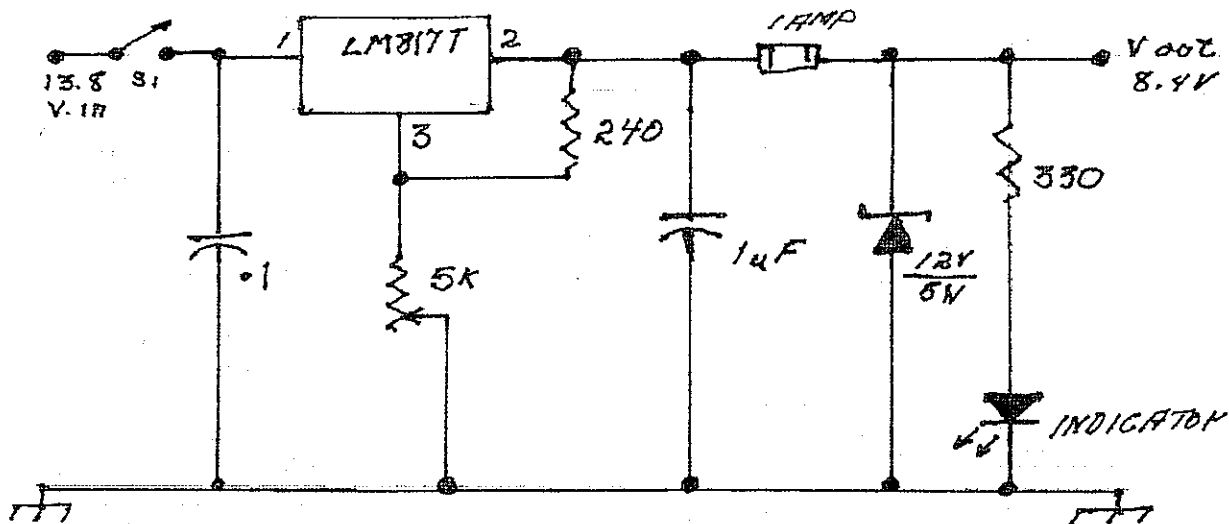
Notice of inquiry in general docket 80-739. The primary purpose of the NOI is to obtain public comments regarding emission designators, frequency tolerance, emission limitations and other technical rules that should be adopted. While many countries have ratified the treaty and its amateurs have obtained access to at least some of the new WARC bands, US amateurs are still waiting--and apparently will wait for some time to come. A member of the senate says the Senate should refuse to ratify the 1979 WARC treaty or should delay doing so until our international telecommunications policies are more clearly defined.

GORDON WEST (WB6NOA) ON MORSE CODE TAPE MARKETS

In our May newsletter we mentioned that Wayne Green commented that someone was marketing a verbatim test tape. Well, Gordon West thinks that Wayne is talking about him and he dashed off a 3 pager to him. He said, "The code tapes that we are marketing are not copies of the test. They just sound like them. Rather they illustrate the type of test that will be given by the FCC. He has found that there are at least 40 ways to send 13 words per minute. Lengthening or shortening the dit-dah ratio. The FCC does not specify which way it will send code. Whether it's 20 wpm with big spaces to slow to 13 wpm or 13 wpm with little or no space between letters and words." West adds the FCC send their characters via a computer and the dit dah ratio sounds slow. This is why students who can copy 18 wpm test tapes fail the exam... Dick Bash is in there too.

QST NOTES

ARRL Opens Channels with Cable Industry... "...It is the responsibility of every one of us to do our part to ensure that state of the art cable systems are maintained in a manner that does not give rise to these kinds of petitions being filed before the FCC..." (RM-4040) These words, penned by Society of Cable Television Engineers President Tom Polis in a recent industry bulletin editorial, express what many hold to be the solution to cable television interference (CATVI): state of the art cable system maintenance. Polis refers to the League's petition requesting that (CATV) systems be prohibited from using amateur frequencies for distribution of their signals.



The above circuit is about what you would find in the ICOM-AT series DC-I Unit for use from a car plug in or from any other 12 V source.

In researching for something else I found this circuit in Feb. 82-Ham Radio. Buy a back issue or borrow a copy and read the article, it may help a great deal as to layout, ect..

One change you may want to make is the variable 5 K resistor. After making a preliminary test remove and sub. a fixed resistor if you plan to use it with one unit all the time.

Now after you have the unit make how to connect it to your hand held. If ICOM's here is an attachment for you. Accessory connector to fit ICOM battery packs, BP-2, BP-3, BP-4 BP-5, \$3 plus tax. Page 8 World Radio News, June, 82. P. O. Box 4463 Sonora, Calif. 95370

For those of you that make your own PC boards or buy them and then lay up and solder a board here is something interesting. HP made a study on cleaning PC boards after soldering. Using radio electronic micro scopes they found that all kinds of growth started on PC boards after they were cleaned. They found that by leaving the rosin on the foil it sort of acted as an insulator and no growth was produced. Oh well I just thought I would put it in for you to think about.

Lately I have inserted several power supply items also one or two in the past following are several articles on power supplies you may want to read.

73-FEB. 79 Pg. 32---73-March 79 Pg. 42---73-Jan. 80 Pg. 140---and your 82 Hand Book.....

SWAP---SELL---WANT---GIVE AWAY****

Bear Cat #100 Hand Held Scanner- 16 Channel, LO, HI, UHF--\$275.00 WB6PMN 528-4304 HM or 538-4071 store.

18AVT Vertical, 5 Band, Azden 2000, new \$250.00, K6KGC, 542-5174, 546 Lew Rosa, SR

Yaesu FTX 400 Transceiver-Good Shape \$250.00--Infotech M300 C Keyboard \$275.00---

Ringo Ranger 2 Mtr. \$15.00, MFJ Keyer-(without key), \$50.00--KS6W Geo 528-0201

ICOM 245-2 Mtr. All Mode, 10 Watt-Remote Pad. Memory, Marage B108, 80 Watt--30 A Pwr Sup.

Drake TT Mike, All \$425.00---Heath Kit 22I SB 2 KW Amp. 80-15, 220 or 110 AC input.

\$475.00, Call Mike at 795-2555 WA6WYZ.....

SALE-- Collins R388--51J--No read out--Rack type, Manual \$300.00-----ChshCraft ATB 34--3 Band Beam--\$125.00---10 Meter Kits FM available---Isotronic Antennas available 10% discount. KB6LO, 546-7047--

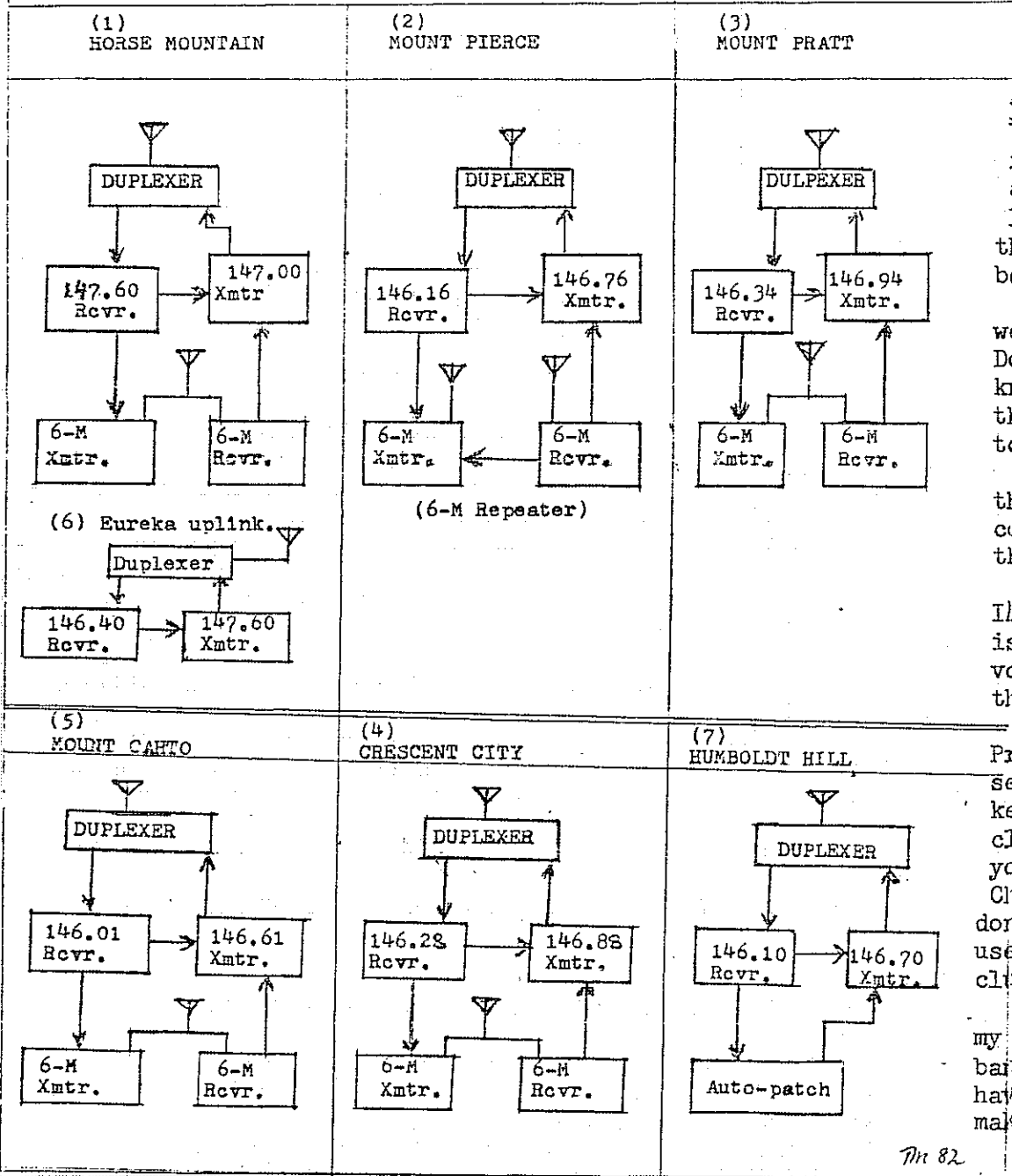
Have you checked the date on your license lately. Sometimes it sneaks up on you and then it may have expired.

The Brass Ass to Brass Ass run was 3000 strong. The following helped. N6DDK, Chuck--WB6RHP, Warren--W6DTV and N6FAX, Sarah and Hank---WB6FRZ John and Wife... Ribs at Rubins followed. I left out Connie N6FYV and OM KA6SSL, check points.

Again the attendance kitty was up for grabs and Alan Gerald's name was called but he was not in the meeting room so Alan you are short \$85.75.....SO.....

The June meeting had a fine show. NIAL had a video tape of the JARL DX trip to Okino Tori-shima. This is an island at low tide and nothing at high tide, It was declared a DX country and the JARL plus \$50,000 set up a station on poles, so at high tide they were high and dry. 9000 contacts were made. Now it is not a country for DX.

FAR WEST REPEATER ASSOCIATION, INC.
FM REPEATER SYSTEM



Space Saver.....
The Picnic this year will be different so plan to have a bang up bowl of chilli ready for the judges to sample and name the winner. If the membership votes this meeting nite it may be members only. Field Day is the week end of 27-28 so see Don, WA6ACX and let him know that you are to be there and what you plan to do. Don't forget about the Marquee Theater it could be a fun night and the cost is not too great. The scanner set for 146.73 indicates that Ron is alive and his gentle voice is heard around the repeater.

Chuck Sabin and our President are helping to sell the gear of silent key K6CA a member of our club years ago. I hope you had good success Chuck. Mrs. Leonard donated several items of useful radio units to the club for use in the trailer. Just as I have received my ten Mtr. FM the ten Mtr. band went that a way. I have a power supply to make and will be ready.

Ph 82

Radio Shack

STORE NO. 3855

ZANE BATES
MANAGER

510 FARMERS LANE
SANTA ROSA, CA. 95405

TELEPHONE
546-8423

All NIAL has been spending lots of time up on the mount trying to find out the trouble with the repeater. Several things have shown up that may be a source of trouble. One of these days the new antenna will be up at the top and then we will see if some present troubles go away or new ones appear. If any one knows a amateur in King City it would be nice to let them know how they are blocking out our 73 repeater at times. Stations to the north of here working King City repeater block out local hams working across town on our 73 repeater. King City must have been on 88 before as there was a

strong repeater on 88 that is not there any more.

YL NEWS By N6FYV

It seems that the FCC has had a mixup with the issuance of Novice Calls. New Novice Calls for Betty's YL's are: Vi KA6ULA, Sharon KA6UFX, Nonie KA6UFQ, Georgia KA6UIW, Diane KA6UFS, Toni KA6UFU, Mimi KA6UFW, Barbara KA6UFO, May KA6UFR, Linda KA6UFT, Claudia KA6UFV, Helen KA6UAO.

Congratulations to Martha, N6FBB for upgrading to General class.

Betty AG6C is the new repeater trustee for the Sonoma County Radio Amateurs, Inc..

Jerri, N6FCV was playing baseball with her grandchildren on Mothers Day when the baseball hit her and cracked three ribs. Hope your feeling better Jerri.

N6FAX and N6FYV helped with the Ass to Ass run held May 30th.

Diane KA6UFS spent a week in Tahiti and Bora Bora and got a great tan and had a good time too.

Jan N6FXV will be spending two weeks with her family vacationing through Oregon, Washington and some of Canada.

Be sure to look for the article concerning Betty's YL's in the July issue of QST. Don KB6LO is responsible for getting the article in the QST.

Have a good month. 33

Connie

QRM ALONG THE CIRCUIT

A little bird said recently that there was a good possibility for a 400 MHz repeater (open), to be located on St. Helena.

KD6NT AL, new trailer chairman, needs help--A bracket for the IIO generator needs to be installed on the front, the tongue needs to be lengthened.---A painter or two is needed for the out side covering.--- And there are several other items that need care. Antenna need to be installed or the mounting gear need to be located for the antenna, etc..----- AL's phone number is 542-4793.

October 6th has been picked as a possible date for the nite out on the town at the Marquee Theater. The membership voted to go ahead. 180 tickets have to be sold but this should be a piece of cake. This is a Wednesday Nite and will take place of the regular meeting. The tickets are \$10.00 each and the Club gets over 1000.00 \$ in return. I hear that it will be a Meller Drammer. Lets make it a fun nite and a success.

Sept 18- Doyle Park has been set as the final date for the 82 Picnic. Hope it is warm. Chilli cook out is the main part of the program. Prize for first place.

The Club membership voted down the membership attendance restriction bylaw.

A mini DX pedition is still in the hoper. suggestions are needed--a good one was transmitting from Snoop's Dog House. Be nice if we could get permission. Treasurer report end of May was \$1205.00.

The board plans to write a letter to W6LHO the other repeater on 73 in King City. Some times it whipes out local communication..

FLTRST CLASS

MR. AND MRS. LA DUKE
WABRNF & KA6RQK
1512 FLUMERIA DRIVE
SANTA ROSA CA 95401

REPEATER WB6PVS

CLUB CALL W6TFJ

SANTA ROSA, CA. 95402

P. O. BOX 116

SONOMA COUNTY RADIO AMATEURS, Inc.

THE HEART FUND

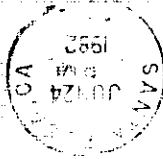
FOR THE MORE FOR GIVE

THE HEART FUND

FOR THE MORE FOR GIVE

THE HEART FUND

FOR THE MORE FOR GIVE



LATE LATES--SWAP SELL WANT

ICC 720 Novice Transmitter, 90 watts--Free to new Novice--VJ 90 2 meters amplifier, IO input 90 output--Pre amp----Heath 214I SWR Bridge, 50/175 MHz--Less than one year old. Call Mike N6DZU 823-6560.....

TS820S, MC 50 Desk Mike, Station Monitor SM220, Panadaptor Kit installed, Manuals Opr and Service--Shipping boxes. \$875.00 Radio Shack TR 30 A CB \$35.00--CB Ant. with 65' RG8U coax, \$40.00...Call Van W6GFY--544-3485

KIM 20 to 85 watt 2 meter Amplifier,(I to I5 input). \$100.00---Yeasu I6IE--Extra finals and drivers, Dig read out (60I) and fan. \$600.00 Call Frank WB6JSA 542-7617

Azden PCS 2000, \$200.00--ICOM 2II, \$300.00SB 40I Heath \$100.00--SB30I Heath \$100.00--SB630 Heath, \$20.00--SB610, \$20.00--Heath Freq. Counter18-II03 Best Offer--Dentron I60XV Transverter \$50.00--Dentron I60/10 Transmatch, \$10.00--Collins 75A4 Serial 352 Book \$250.00--RME 2-II Receiver \$30.00--Johnson KW Matchbox--Many other things. Call Fred Plante, 277-7377 Lower Lake, Ca--10020 Sky Ct., 95457

BREAKFAST WITH HANS--

Sam at Elmers the following bid Hans Berg a member from our sister Club in Germany a happy vacation and a quick return to Sonoma County. AG6C Betty, N6FAX Sarah, N6FCV Jerri, N6BLN Lyle, KA6HGW Bart, W6RIA Wayne, KD6GC Steve, W6DTV Hank, and our guest DJ6TJ Hans Berg. This was a nice idea, It should be done more often. See you next year Hans.