

MARCH 1988

# SHORT SKIH

Sonoma County Radio Amateurs, Inc.



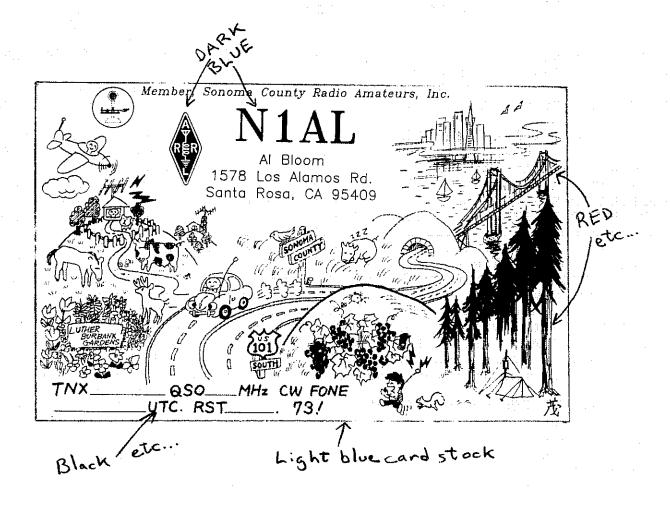
Club Station

W6LFJ

P.O. Box 116 Santa Rosa, CA 95402 Repeater Station

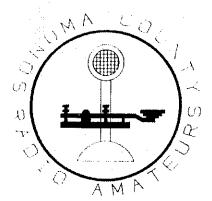
WB6PVS

VOL 13 # 3



## **CLUB QSL CARDS**

SEE PAGE 3 TO SIGN UP



OFFICERS FOR 1988:			
PRESIDENT:	Russ O'Neill	N6KMJ 823-9691	
VICE PRESIDENT:	Glen Crownover	N6DNB 938-5986	
SECRETARY:	Alan Bloom	N1AL 538-7115	
TREASURER:	Jim Pelmulder	N6PTM 823-7947	
MEMBERS-AT-LARGE:	Chuck Sabin	N6DDK 795-2371	
	Chris Clarke	VE3PBC 584-7577	
REPEATER CHAIR:	Hoppy Bravin	WD6CKP 542-6750	
ACTIVITIES CHAIR:	Steve Schaffer	KD6GC 546-8860	
SHORT SKIP STAFF:			
EDITOR:	Alan Bloom	N1AL (e)538-7115	
1578 Los Alamos Re	d, Santa Rosa, CA	95409 (d)577-3981	
CIRCULATION MGR:	Tracy Reese	WB6TMY	
SWAP SHOP:	Hank Davis	W6DTV 823-7885	

ARRL LIAS: Alan Bloom N1AL 538-7115 ASST. DIR: Chuck Sabin N6DDK 795-2371 BADGES: Hank Davis W6DTV 823-7885

HISTORIAN: Connie Freitas N6FYV

#### -----ACTIVITIES COMMITTEE-----

PUBLIC SVC: Bob Sones WB6EKV 546-3873
PROGRAM CHAIRMAN: Bob WD6DPE 546-5593
REFRESHMENTS AT MEETINGS: Bob WD6DPE
GREETER AT MTGS: Jane N6NTB
MEMBERSHIP LOTTERY: Warren WB6RHP
QSL MANAGER: Doug Bender WW6D
VEC EXAMS: Steve Lund WA8LLY 823-4544
WA6ACX N1AL K6ANP AG6C WD6CKP WN6D
WW6D W6DTV WW6F WB6FRZ KF6FX W6RIA
WB6UDR WU6W

EDUCATION: Steve Lund WA8LLY 823-4544
WA6ACX, WW6D, WB6PDP, W6TLK, KF6WV
AWARDS CHAIRMAN: Steve Lund WA8LLY
FIELD DAY: Steve KD6GC and Al N1AL
INTERFERENCE CHR: John W6CCY 823-1357

#### ----REPEATER CONTROL OPERATORS-----

WD6CKP 542-6750 W6DTV 823-7885 WB6PER 526-2972 N6KMJ 778-1758 WN6D 544-7943 WB6UAZ 544-7943 PACKET COMMITTEE: Al N1AL Jim WN6D Terry WA6RNF Rich KA6SSL

#### SHORT SKIP ADVERTISING RATES:

Business cards: \$10

\$14 First 1/4 Column \$2 Additional 1/4 Columns (\$28 Full Page, 1 side)

Pre-printed inserts: \$28/sheet

Guaranteed circulation: 200/month AD DEADLINE: 15th of previous month

#### ARE YOU NOT AN SCRA MEMBER?

IF SO, then this is a complimentary copy. Our club is into almost every aspect of amateur radio: repeaters (13/73), Field Day, license classes (novice/upgrade), volunteer exams, RACES, DX programs, packet(145.03), hidden xmtr hunts -- you name it.

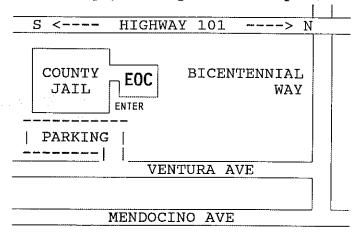
We invite you to attend our next monthly meeting (see below) or check into the Tuesday night SCARS net on the 146.13/73 repeater at 7:00PM or on 28.400 MHz at 7:30 PM.

You'll hear the latest Westlink Amateur Radio news broadcast, SCRA announcements, and a Swap Shop. If you would like to join SCRA, please refer to the dues listed below. 73!

#### ------CLUB MEETINGS-----

7:30 PM 1<sup>st</sup> Wednesday each month at the Emergency Operations Center (EOC) (see map below). All welcome. NEXT MEETING: March 2, 1988

DUES: \$12/year plus a one-time \$4 initiation fee. (Includes callsign/name badge) Family membership: \$18.



#### SIGN UP FOR CLUB QSL CARDS

Here's the deal: To get a good quantity discount, SCRA will print a large quantity of cards (like 10,000 or more) with no Callsign/Name/Address. Since printing C/N/A is cheaper if we order several of the same quantity at the same time, we WILL WAIT UNTIL AT LEAST ONE OTHER MEMBER ORDERS THE SAME QUANTITY before processing your order.

If you can't wait, you can pay extra for "Express" service. If you order early in the month (like at a club meeting), we should have the cards by the next club meeting. Or arrange with N1AL to pick up the cards at work (HP) during the day.

Payment must accompany the order. If you want to have the cards mailed to you, so indicate and add \$3.00 postage/handling. Bring your order to a club meeting or send to:

SCRA QSL PO Box 116 Santa Rosa, CA 95402

We can do the Call/Name/Address in the style shown, and an ARRL diamond, if desired. If room permits, we may be able to add a list of operating awards in a column to the left of the C/N/A. Any other artwork you'll have to supply.

The drawing is in Red and Black with the Call/Name/Addr in dark blue on light blue card stock.

#### PERSONALIZED CARDS:

# CARDS	NORMAL SERVICE	EXPRESS SERVICE
250	\$19.00	\$28.00
500	\$29.00	\$40.00
1000	\$49.00	\$60.00
2000	\$89.00	\$100.00

BLANK CARDS: (No Call/Name/Address)
\$3.50 per hundred cards.



The first order will go to the printer shortly after the March club meeting.

Supply information EXACTLY as it should appear on the card:

*	SCRA MEMBERS ONLY *
ADD ARRL DIAMOND?	CALLSIGN:
YES	NAME:
NO 11	ADDR:
Nr CARDS	
\$	(Include payment w/order)

#### NEW CALLS AROUND THE COUNTY

Was... Is...

KB6UGD N6RIF Dave Spencer

KB6UGF N6RIG Clyde Underwood

\$

## DUES ARE DUE

If, near your mailing label, it says "dues are due", then so you due. If you didn't due it yet, due it now!

\$

\$

**\$** 



#### MINUTES OF THE GENERAL MEETING OF SCRA FEBRUARY 3, 1988

The meeting was called to order by President Russ O'Neill N6KMJ at 7:30 PM. Other officers present: Treasurer Jim Pelmulder N6PTM, Secretary Al Bloom N1AL, Activities Chairman Steve Schaffer KD6GC, and Member-at-Large Chuck Sabin N6DDK.

Jane N6NTB introduced the visitors: Rick Bates WA6NHC, Howard Light WA7BMY, Zach Light, Justin Ridling, Ralph KD6UWY, and Ima Wick KB6UXA. Upgrades since last meeting included (?? anyone remember?) to Extra and KB6UCN to Technician. Dave KB6UGD's new call is N6 Radio Is Fun.

Bob WD6DPE inroduced the GUEST SPEAKER, Dick Frost of Solar Electric Engineering in Rohnert Park. They are a 12-year-old company who first pioneered the "Maintainer", solar panels that plug into your cigarette lighter to recharge seldom-used batteries. They also make "unbreakable" Ovshinsky polycrystalline solar cells. Look for their ad in April QST.

The MINUTES were approved as published in Short Skip. m/s WB6RHP/WA6RNF Ditto the Treasurer's report. m/s WB6RHP/N6DDK.

Jim N6PTM read the January Treasurer's report: we have \$1124.97 in the General Fund and \$1888.07 in the Repeater Fund. Approved. m/s K6GEV/N6DDK.

Jim noted that <u>DUES ARE PAYABLE MARCH 1</u>. Also, if you join or renew your ARRL membership through the club, the club gets to keep \$5 or \$2. Please make the check out to SCRA.

REPEATER COMMITTEE: Chairman Hoppy WD6CKP was out sick tonight. EDUCATION: Jim N6PTM pinch-hit for Steve WA8LLY. The next exam sessions are (almost for sure) Saturday March 19 and will cover Technician and above. Call Steve after 7 PM for info (phone Nr. on page 2).

PACKET COMMITTEE: Al NIAL swears the digipeater will go up on the hill

this weekend (Feb 6/7). It will be on 145.03 signing WB6PVS-1.

ACTIVITIES COMMITTEE: Steve KD6GC passed around a sign-up sheet for

those who plan active participation on FIELD DAY. It will be at the Two Rock Coast Guard station again. This year, there will be assigned shifts for operators. We need several well-equipped stations manned by "hot" operators to beat REDX, and we'll also have a couple stations for more casual operations. We want to get more Novices and Technicians operating this time around. Also, we "may have a cook..."

The W2ØØLFJ operation in September is headed up by Steve WA8LLY. aim to operate from the site of the Bear Flag Republic in Sonoma. There will be a FOX HUNT "pretty soon."

We need a volunteer to run the HOMEBREW CONTEST at the April meeting. This is a one-time event, so shouldn't require too much time.

Finally, we need a volunteer to do the club's PUBLIC RELATIONS.

PUBLIC SERVICE: Bob WB6EKV reported on an event coming up March 6. Also the Coddingtown Lion's Club plans their biathalon on April 24, the same day as the March of Dimes, so we may not be able to help.

QSL's: Doug WW6D reports no news. (But see below.)

BADGES: Hank W6DTV "is getting tired of looking at these badges" and wishes their owners would claim them: KB6UEF Clyde, WA6BPA Charlie, NYØN Niels, and WA6HYE Bob.

-...- (Break for coffee and donuts.) -...-

**NEW BUSINESS:** 

The club voted to keep dues the same as last year as recommended by the board. m/s KD6GC/K6GEV

ANTENNA RESTRICTIONS: Jerry KB6UCL recently asked the city of Santa Rosa about putting up his antenna. Zoning regulations require that all receiving and transmitting antennas in residential areas must go through a Design Review if any part of the antenna is in public view. Jerry found

out that the required public hearing costs the ham \$260. Russ N6KMJ suggested getting a MARS license. Glen N6GN noted that FCC pre-empts some local zoning laws. Barry N6MHH felt that the club should help any member who has a problem, but that it would do no good to intervene until that happens. Rick WA6NHC said to check CCNR deed restrictions. N6DIP Frank suggested to write ARRL for their legal package.

CLUB QSL CARDS: Al NIAL suggested that SCRA have a club QSL card. can get a quantity discount by printing 10,000 or so of the basic design and having each member's Call/Name/Address printed individually. SCRA member Shigeru N6QNJ has designed an attractive 3-color card that nicely represents Sonoma County. Al handed out samples. Prices to members should cover a little more than SCRA's cost to cover mistakes, wastage, Members would pay \$3.50/100 for "blanks" (no Call/Name/Addr). Basic rate for individualized cards is: \$19/250, \$29/500, \$49/1000, and \$89/2000. All asked for a show of hands of those who think they might want cards. 21 members (nearly half those present) responded. The club voted to go ahead with the club cards on the above basis. m/s N1AL/W6RIA

HF RADIOS: Then the club voted to spend up to \$500 on two HF radios that would be "bullet-proof" enough to run phone/cw on the same band for Suitable rigs would be Drake or Collins tube-type. These would also be "loaners" for club members. Russ N6KMJ has a draft sign-out sheet. Users would be responsible for any blown finals or other repairs that appear to be the result of misuse. Al NIAL will purchase the gear with final approval from the Board. m/s N1AL/KD6GC

Candy N6NSG lost \$10.55 in the membership lottery. Better luck next meeting...

EXPENSE

The meeting adjourned at 9:10 PM.

Respectfully submitted by Al Bloom N1AL, Secretary.

ACCOUNT

#### TREASURER'S REPORT FOR MONTH ENDING JANUARY 31, 1988

REVENUE

Refreshments	11.92	11.94
Dues & Initiations	140.00	
Badges		19.08
Repeater	10.25	
Newsletter	30.00	68.32
Westlink		26.22
Insurance		337.00
	192.17	462.56
ASSETS:		
General Fund Account		557.74
Cash/checks on hand		104.67
Total General Fund		662.41
Total Repeater Fund	<b>d</b>	1888.07

-- de N6PTM

#### NEW MEMBERS SINCE LAST MONTH

Oliver F. Kilbey KB6IOT 2985 Fulton Rd. Fulton, CA 95439 545-8175

Ralph Hyde KB6UWY 1803 Austin Way Santa Rosa, CA 95404 528-0726

Ivan Wick KB6UXA PO Box 5011 Santa Rosa, CA 95404 525-1504

We now have 202 members



CO, CO, CO - Looking for individuals interested in doing something with, to and for the club! Lots of activities are planned for the year -- & they will actually happen if there is interest! Here are some examples of how you can get involved, activities ranging from super-involving to simple one-shot deals:

## ----- FIELD DAY -----

To beat REDX, we need people to provide stations (rigs) & to operate shifts. These individuals should be somewhat hot-shot operators as these stations will be out for blood. (There will also be stations set up for those folks who just want to get their feet wet and have some relaxed fun operating time.) We will need help setting up, tearing down, with food/ cooking, and antennas. (WOULD BE NICE TO SEE MORE NOVICES AND TECHS INVOLVED.) Interested??? Let me know at next meeting or call me!

## ----- W200LFJ OPERATION ----- (SEPT)

The plan is to operate for 1 week (possibly from the site of the Bear Flag Republic in Sonoma) as many hours as possible. Interested???? Call me or Steve Lund WA8LLY. (p. 2)

## ----- HOMEBREW CONTEST ------

We need someone to head up this one-shot activity for the April club meeting -- doesn't take much, just generate interest and judge the entries! If you don't want to conduct it, make something for the contest!

## ----- PUBLIC RELATIONS -----

We need a PR Person to make contacts with newspapers, radio, TV, etc. to publicize the good works of SCRA. If you have contacts or a flair for the media, contact me!

As it is said each year, THIS IS YOUR CLUB, IT WORKS IF YOU DO!!!

- Steve Schaffer KD6GC 527-3101 w 546-8860 h

#### SCRA BULLETIN BOARD

DID YOU KNOW that SCRA has a bulletin board? It was donated by HSC Electronics for club use and has recently gone online 24 hours a day! If you have checked into the BBS before, there have been a few changes.

## MAKE A NOTE OF THE NEW PHONE NR: 527-7734

Many new programs have been put on the board, and new sections have been set up for Ham Radio messages and Ham/electronics programs and files. Currently the board works best with a PC-compatible computer (with ANSI.SYS). If you check in with a non-IBM-type computer, you will see about 2 pages of garbage, but after that things should look normal. (I am looking for another BBS program that will work with all computers.)

Al N1AL has started uploading Short Skip articles onto the Board. This may generate some interest to non-hams to become interested in ham radio. I will try to run a series of short articles in Short Skip on how to use the bulletin board. If you have any immediate questions, please call me at 544-7943 for information.

- Jim Boyett WN6D, Sysop

#### COMING ACTIVITIES

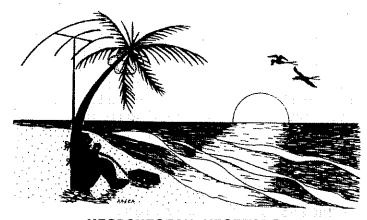
APRIL 6: HOMEBREW CONTEST

MAY ??: FOX HUNT

JUNE 25-26: FIELD DAY

SEPT. 3-9: W2ØØLFJ OPERATION

SEPT. 17: FLEA MARKET



#### MICRONESIAN VISITORS

In previous years, visitors traveled to Micronesia in Spanish Galleons, New England whaling vessels, pirate ships, and Japanese submarines. Today, visitors arrive on modern jets and cruise ships. Although the modes of transportation have changed, the reasons for going have remained very much the same — Micronesia, with its tropical sun and sparkling ocean has always been an ideal haven to relax, renew, and refresh.

The 2000 Pacific islands and atolls which comprise Micronesia were first encountered by the Western world in 1521 during Ferdinand Magellan's historic stop-over for the Manilla galleons. In the midnineteenth century, Pohnpei and Kosrae became favorite winter retreats for American whalers. A few decades later, Palau, Yap and the Marshalls were profitable sites for Germans to trade for dried coconut and sea cucumber.

Despite all of this international contact throughout the centuries, Micronesia has remained obscurely known, especially when compared to its romanticized neighboring island group, Polynesia. But slowly, ever slowly, visitors are realizing that the many varied islands of Micronesia are a perfect vacation spot.

Modern "South Sea" travelers no longer bring whaling harpoons or calico cloth, but instead, cameras, scuba gear, and, for the privileged few, their ham radios to enjoy the ultimate tropical DXpedition.

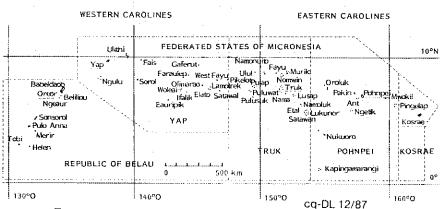
For those holding US licenses, operation from Guam (KH2) or the Commonwealth of the Northern Marianas (KHØ) is no problem. Guam, with its bases, is a particularly popular QTH for those whose military assignments have taken then, less willingly than most, far from home.

The rest of Micronesia, until a few years ago, was included with the Northern Marianas in the Trust Territory of the Pacific Islands. Now these other islands are becoming three separate countries, the Republic of the Marshalls (KX6), the Republic of Palau (KC6), and the Federated States of Micronesia, consisting of Yap, Truk, Pohnpei, and Kosrae (also KC6). These three nations are in a semi-independent state right now: some entities consider them U.S. while to others, they are foreign. If you wish to operate, check with both parties first to get the current status.

Micronesia is too large & diverse to cover all at once. It spreads over an area of ocean approximately equal to that of the continental United States. The native population speaks over a half-dozen distinct languages and does things according to their own local customs. short introduction to the forgotten islands of the Pacific will be followed by a series of reports on Micronesia from an Amateur Radio operator's point of view. So, until then, just tie the antenna to a coconut palm, and enjoy the sunset as the waves crash onto the shore.

Yokwe, Len Mwo, Kaselhelia, Ran Annim, Hafa Adai, and of course, 73.

#### - Nancy Vander Velde AA6EA



#### DOES HAM RADIO CAUSE CANCER?

SCRA member WA6QCL recently sent in a newspaper article reporting on a study linking cancer with exposure to RF fields. Dr. Samuel Milham, a Washington state epidemiologist, found that among the 2485 Calif. and Wash. HAM RADIO OPERATORS in the study, 36 died of leukemia compared to 29 expected during the 5-year study period. There were 89 lymphatic cancers vs 72 expected and 78 prostate cancers vs 67.6 expected. From this, the article concludes that exposure to RF causes cancer.

Well... Note that Dr. Milham studied a number of categories of diseases. It's highly unlikely that hams would show exactly the average death rate for each disease: you would expect the rate to be higher than average in about half the cases, and lower in the other half. In fact, Dr. Milham's study found a lower than average overall mortality rate for hams, primarily due to a low incidence of heart disease.

#### "MONTE CARLO" PROGRAM:

I wrote a computer program to set up 20 fictitious groups of 2485 "people" with a "normal" probability of dying from each type of cancer (as stated in the article). The printout shows how many "people" the computer's random number generator "killed" in each group. 4 of the 20 groups had 36 or more deaths of luekemia, and 1 group had more than 78 deaths of prostate cancer. While no group had more than 89 deaths from lymphoma, several were close. I ran the program several times with similar results.

For any sample population, if you check enough different diseases, you are bound to find at least a couple with greater-than-average fatality.

#### SYSTEMATIC ERRORS:

Not only that, but other factors can affect the results as well. Many hams are employed in technical fields where they might be exposed to ionizing radiation, chemicals, or other cancer-causing agents. Since

I'm not familiar with the definition of Standard Mortality Rate (SMR), I'm not sure whether it even takes into account factors like the age and social class of the population. Hams, and other upper-middle class, middle-aged-plus people, tend to die less from accident, murder, drug overdose, etc., so that cancer would tend to take a higher percentage.

#### DANGERS OF RF RADIATION:

It's important to distinguish between ionizing and non-ionizing radiation. Above a certain frequency, photons of electro-magnetic radiation have enough energy to ionize atoms. Theoretically, if even a single photon were to damage a DNA molecule in one of your cells, you could develop cancer. This is why some scientists say there is no "safe" level of ionizing radiation. Examples of ionizing radiation are X-rays, cosmic rays from space, and radiation from nuclear explosions.

ALL ham frequencies are nonionizing. The danger here is from heating -- the microwave oven is a good example of RF heating. The eyes are especially vulnerable since the lack of nerves in the eyeball means you don't it until too late. (Never peer inside an unshielded VHF/UHF kilowatt amplifier while transmitting!) The U.S. national standard for frequent exposure to RF radiation varies from 1 to 10 mw/cm2 depending on frequency. ham installations meet this easily, especially when you consider that the exposure is intermittent.

There are some studies, mostly from behind the iron curtain, of non-thermal effects, but many of these studies are procedurally flawed, and in any case report effects near the threshold of detectability.

I feel that as hams, we should be aware of the known dangers of high-power microwave radiation, but I personally don't lie awake nights worrying about getting cancer from my 2 meter HT.

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10 ! DOES HAM RADIO CAUSE CANCER?
20 !
30 ! Study by Dr Samuel Milham Jr, Wash state Dept of Social & Health Svcs
40 ! epidemiologist found 36/89/78 leukemia/lymphatic/prostate cancers in
50 ! sample of 2485 Calif/Wash hams vs 29/72/67.6 expected.
90 !
100 DIM NAME$(99), NrEXPECTED(99), NrFOUND(99)
110 SAMPLESIZE=2485
120 NrTYPES=3 @ NrTRIES=20
130 FOR X=1 TO NrTYPES
       READ NAME$(X), NrEXPECTED(X), NrFOUND(X)
150 NEXT X
160 DATA "LUEKEMIA", 29, 36, "LYMPHATIC", 72, 89, "PROSTATE", 67.6, 78
170 !
180 FOR TYPE=1 TO NrTYPES
190 PRINT NAME$(TYPE);" CANCER, EXPECTED Nr DEATHS =";NrEXPECTED(TYPE);
       PRINT ". Nr FOUND ="; NrFOUND(TYPE);"."
200
       PROBABILITY=NrEXPECTED(TYPE)/SAMPLESIZE
210
       FOR TRY=1 TO NrTRIES
220
         PRINT TRY;
230
          NrDEAD=0
240
          FOR SAMPLE=1 TO SAMPLESIZE
250
             IF RND <PROBABILITY THEN NrDEAD=NrDEAD+1
260
270
          NEXT SAMPLE
280
          PRINT NrDEAD,
       NEXT TRY
290
     PRINT @ PRINT
300
310 NEXT TYPE
320 END
LUEKEMIA CANCER, EXPECTED Nr DEATHS = 29 . Nr FOUND = 36
                      2 <u>36</u>
6 <u>29</u>
                                           3 32
                                                                4
                                                                   31
 1 (39)
                                          7 28
                                                                8 26
 5 21
                      10 (38)
                                                                12 26
 9
                                          11 29
    33
                      14 24
                                          15 27
                                                               16 (40)
 13
    18
 17 32
                      18 27
                                          -19 28
LYMPHATIC CANCER, EXPECTED Nr DEATHS = 72 . Nr FOUND = 89
                                                                4 76
                      2 87
                                           3 73
   74
                      6 85
                                                                8 66
                                           7 71
 5
    73
                      10 77
 9
    77
                                           11
                                              86
                                                                12 62
                      14 74
                                                                    73
 13 86
                                           15
                                               76
                                                                16
                      18 88
                                           19
                                              80
                                                                20 64
 17 76
PROSTATE CANCER, EXPECTED Nr DEATHS = 67.6 . Nr FOUND = 78
                                                                   76
                     2 73
                                           3 65
                                                                4
                      6 73
                                           7 66
                                                                8 68
 5
    73
                      10 75
                                           11 67
                                                                12 75
 9
    65
                                                                   63
                      14 67
                                           15 69
                                                                16
 13 69
                                           19 75
                                                                20 65
                      18 64
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#### AMATEUR RADIO UPGRADE EXAMS

WHEN: Saturday, March 19, 1988

Code exams: 1:30 PM Written exams: 2:00 PM

WHERE: Emergency Operations Center (EOC), 600 Administration Drive (map on page 2). This is next to the Sheriff's Office at the County Administration Center. The EOC is directly across from the new jail construction site.

PRE-REGISTRATION DEADLINE: March 17
- NO walk-ins.

DETAILS: Technician, General, Advanced and Extra upgrades only. NO Novice exams will be given.

Send your completed Form 610, a check for \$4.55 made out to Lyle Meek, and a copy of your license to: N

Steve Lund WA8LLY 10180 Mill Station Rd. Sebastopol, CA 95472-9655 823-4544 (after 7:30 PM)

The new Form 610 does not have a check-off box for the license class you are applying for. Please attach a note indicating what tests you plan to take. This will help me in ordering material.

#### ON EXAM DAY, bring the following:

- Your ORIGINAL license
- A photo ID (Calif driver's license is best)
- 2 pencils (soft lead type)
- Pen
- Calculator. If programmable, you must show the memory has been erased.



Some packet radio resources in Sonoma County:

<del>-</del>			
LOCATION	ALIAS/CALL	FREQ.	
DIGIPEATERS			
Santa Rosa Santa Rosa Mt. Jackson " " Kenwood Sonoma	WB6PVS-1 K6LTS-2 JACK/WB6PER-2 "/WB6PER-4 "/WB6PER-3 KNWD/WB6PER K6KQJ	145.03 145.07 145.05 144.91 223.56 144.91	
BULLETIN BOARDS			
Mt. Jackson " Kenwood Sonoma	JACKBB/WB6PER-4 "/WB6PER-3 KNWDBB/WB6PER KQJ		

#### **GATEWAYS**

Mt. J	ackson	JACKGW/WB6PER-4	144.93
			223.56
Kenwo	od	KNWDGW/WB6PER	<b>f</b> †

#### **EMERGENCY SERVICES STATIONS**

Co. EOC	WB6PER-1	223.56
Sonoma PD	WB6DWY	144.91
Sonoma	K6KQJ	144.91
Windsor	WA6LIA	144.91

To connect to the EOC on 2 meters use the Mt. Jackson gateway: "C WB6PER-1 V JACKGW"

- Tnx WB6PER BBS and N6GN

The SCRA digipeater is up and running on the mountain 2000' a.s.l. off Los Alamos Rd. east of Santa Rosa. By now, the power should have been reduced to 10 W to reduce QRM to the site owners. Details later.

# H.S.C. ELECTRONIC SUPPLY

6819 Redwood Avenue Cotati, CA 792-2277



H. S. C. ELECTRONIC'S

24-Hour Bulletin Board 300/1200/2400 Baud

#### 

Bring this ads in for the following specials:

- \*\* BEARCAT SCANNER BC 100XL 16 Channel with aircraft. Reg. \$324.79 -- Sale \$199.00. (limited to stock on hand)
- \*\* DELCOM HANDHELDS with ad Sale price \$160.00. 500 MAH Battery Pac with ad Sale price \$28.00. (Fits ICOMS, too)

#### NEW MFJ 7-MODE DATA CONTROLLER MFJ #1278

Due in stock the end of February. Place your orders now. Don't be disappointed!

ONLY

\$ 249.95

The Bulletin Board is now on—line 24 hours a day. The new phone number is:

> \*\*\*\*\*\*\*\*\*\*\* \* 527-7734 \*
>
> \*\*\*\*\*\*\*\*\*\*\*

(The old number will be disconnected soon, so please note new number).

STORE HOURS:

MONDAY TO FRIDAY 9 am to 7 pm

> SATURDAY 9 am to 5 pm

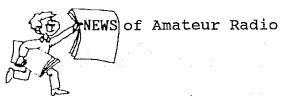
SUNDAY 10 am to 4 pm

SPECIAL SPECIAL SPECIAL SSECIAL SSECIAL SPECIAL SPECIAL SPECIAL SSECIAL SSECIA

\$\$ ER Soldering Iron 12V for Lighter Plug...\$ 4.00.

WITH THIS AD ONLY!!

.....



DXCC TO REMAIN ON COURSE AND SPEED. The ARRL Board accepted the DX Advisory Committee's recommendation of only evolutionary changes. There will be new single-band awards for 80/40/10 M, & 5BDXCC will be endorsable for more than 5 bands. (ARRL)

NOVICE ENHANCEMENT ISN'T WORKING as well as the FCC had hoped. According to John Johnston W3BE of FCC, since May 1987, fewer Novices have been coming in than ever before. The new longer exam plus the need for 2 examiners may explain the drop. He notes that those who do come in seem more likely to stay, since the Technician license is now the fastest-growing class. (Westlink)

Thanks to the ARRL Letter and Westlink Report for the above info.

#### 1988 FOOTHILL COLLEGE FLEA MARKETS

- 3-12 PALO ALTO AMATEUR RADIO ASSOC. WA6LNV GERALD (415)326-4908
- 4-09 DONATION TO PALO ALTO RED CROSS N6IIU TED (415) 322-2143 OR N6PHT LEN (415) 856-9733
- 5-14 ELECTRONIC MUSEUM AMATEUR RADIO CLUB N6LZQ FRED (415) 968-2863
- 6-11 SPECS USERS GROUP KT6W JIM (408) 725-8128
- 7-09 PERHAM FOUNDATION (415)960-4383
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WRITTEN 12:00 NOON--1:00 PM

CODE 20 WPM 1:00 PM

13 WPM 1:30 PM

5 WPM 2:00 PM.

- Tnx N6IIU BBS



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HONDA 5kw generator, manual/electric start, 110/220V plus battery charger output. \$1250. Bud KD6XF 763-2119.

FREE: Owners manual for 62N casette unit. 5 Motorola single-channel Rcvrs, 150 MHz area, in cabinets with power supply. 2 Motorola base consoles. 1 300 mA, 1000V power supply. Hank W6DTV 823-7885.

#### EVENTS CALENDAR:

Don't forget SCARS nets on Tuesdays.

#### MARCH:

- 2 SCRA meeting 7/7:30 PM
  - 1987 DUES PAYABLE!
- 5-6 ARRL DX Contest, Phone
  - 7 RACES etc. Net 7:30 PM
  - 12 Foothill College Flea Market (Palo Alto ARA 415-322-2143)
  - 17 CDF VIP Meeting 7:30 PM
- 21 RACES etc. Net 7:30 PM
- 26-27 CQ WW Prefix Contest, Phone

JUNE 25-26 - Field Day

#### SEPTEMBER:

3-9 - W2ØØLFJ Bicententennial Stn.

9-10 - ARRL Natl. Conv. Portland OR

17 - SCRA Flea Market



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BURLINGAME, CA 94010 George, Mgr. WB6DSV 5 miles south on 101 from SFO

OAKLAND, CA 94606 2210 Livingston St. (415) 534-5757 Al. Mgr. WA6SYK 17N-5th Ave./175-16th Ave

PHOENIX, AZ 85015 1702 W. Camelback Rd. (602) 242-3515 Bob. Mgr. K7RDH East of Hwy 17

SAN DIEGO, CA 92123 5375 Kearny Villa Rd. (619) 560-4900 Tom. Mgr KM6K Hwy 163 & Ctaremont Mesa Bivd.

VAN NUYS, CA 91411 6265 Sepulveda Blvd. (818) 988-2212 Al. Mgr. K6YRA San Diego Fwy at Victory Blvd

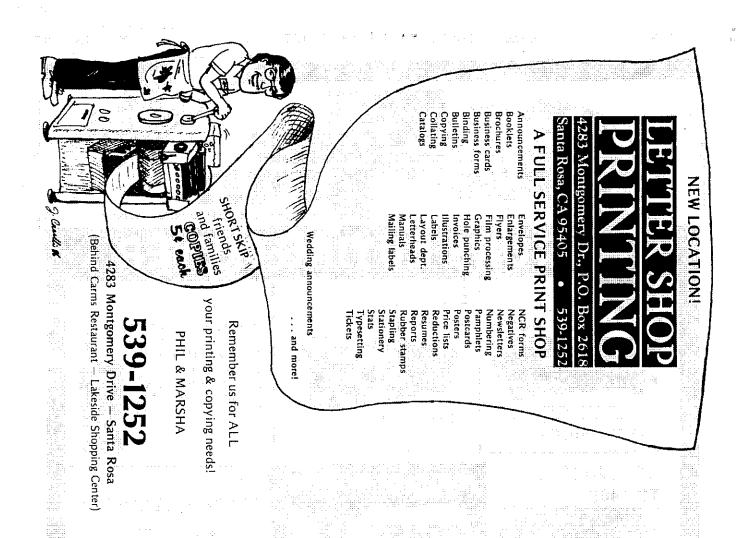
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