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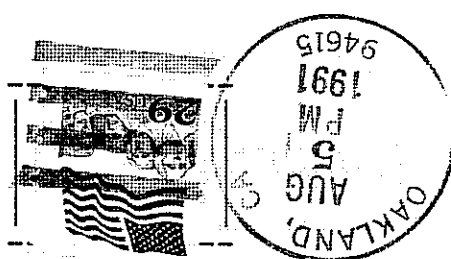
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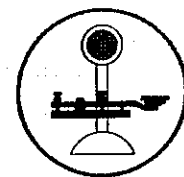
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# SHORT SKIP



Sonoma County Radio Amateurs, Inc.

AUGUST 1991

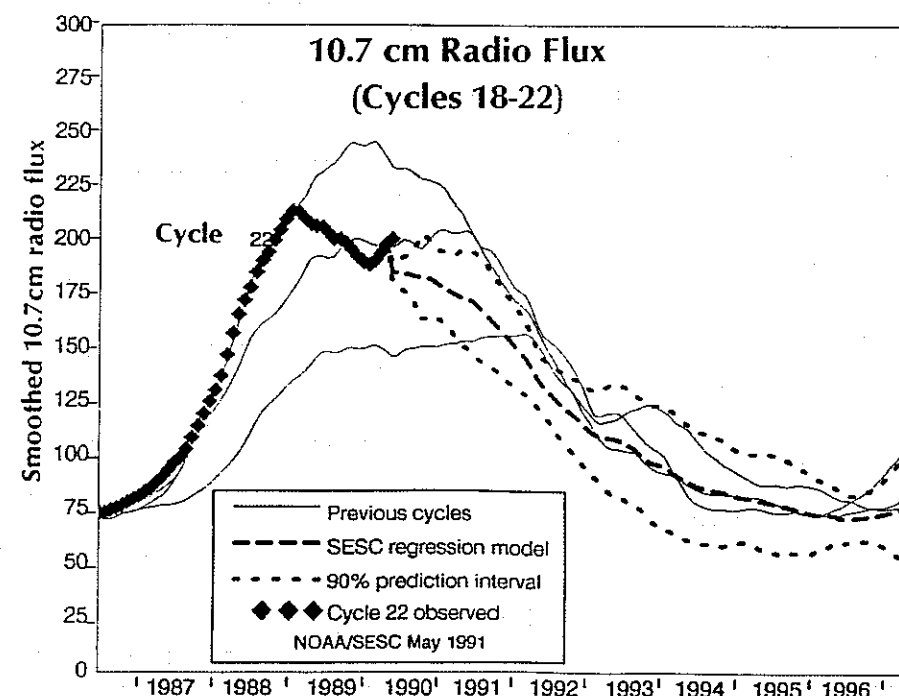
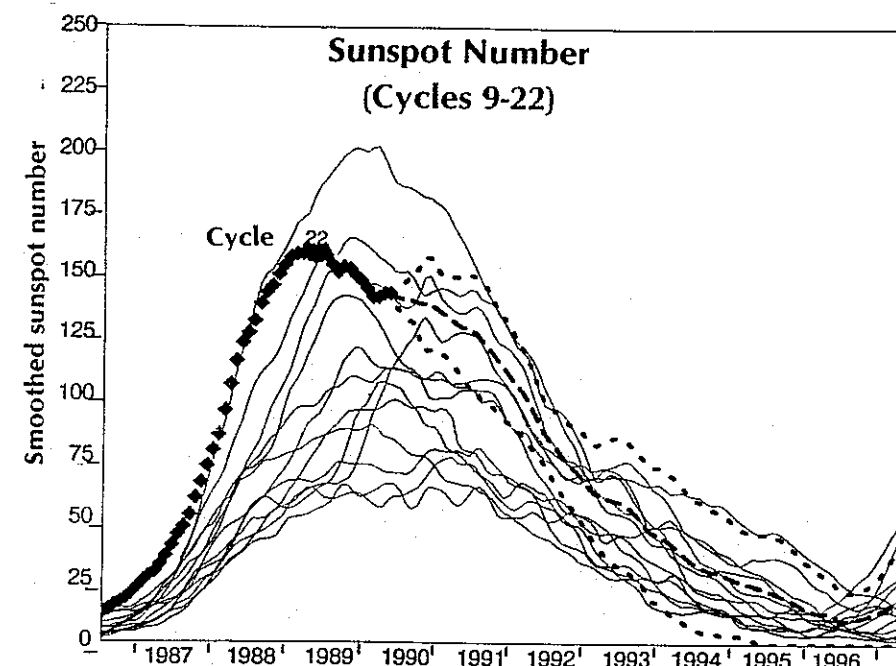
Club Station  
W6LFJ

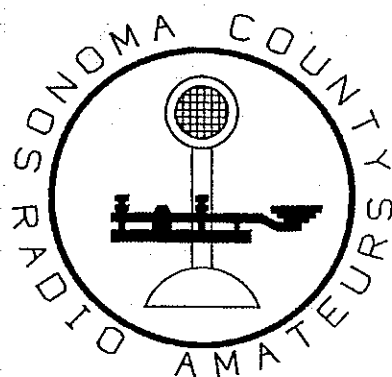
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Repeater Station  
WB6PVS VOL 16 # 8

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Solar Cycle 22 Compared to Previous Cycles  
(Starting at Cycle Minimum)





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SECRETARY:	Alan Bloom	N1AL	538-7115
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MEMBERS-AT-LARGE:	Lou Schneider	N6YMQ	
	John Wallack	W6TLK	833-1873
REPEATER CHAIRMAN:	Jim Rutherford	WB6PER	526-2972
SHORT SKIP STAFF:			
EDITOR:	Alan Bloom	N1AL (e)	538-7115
	1578 Los Alamos Rd, Santa Rosa, CA 95409	(d)	577-3981
CIRCULATION MGR:	Harvey Lawrence	K6KZ	
ADVERTISING MGR:	John Wallack	W6TLK	833-1873
SWAP SHOP:	Hank Davis	W6DTV	823-7885

ARRL Liaison: Alan Bloom N1AL 538-7115  
 Ast. Director: Chuck Sabin N6DDK 795-2371  
 Badge Chair: Connie Freitas N6FYV

## Activities Committee:

Pub. Service: Bill Splaine N6GHG 431-8636  
 (days) 577-2913  
 Flea Market: John Wallack W6TLK 833-1873  
 QSL Mgr: John Wallack W6TLK 833-1873  
 TVI/RFI: Al Bloom N1AL 538-7115  
 Awards: Steve Lund WA8LLY 823-4544  
 VEC Exams: Steve Lund WA8LLY 823-4544  
 + N1AL WN6D WW6D WW6F WB6FRZ K6UXO  
 Education: John WB6FRZ 838-6398  
 + N1AL WD6CKP WB7CNJ WA8LLY WB6TMY  
 K6XZ  
 Field Day: N1AL(cw) N6PTM(ph) KK6WM(food)  
 Refreshments at meetings: Bob Olsten WD6DPE  
 Greeter at Meetings: Connie Freitas N6FYV  
 Raffle at meetings: Philip Gaul KC6BSI  
 Membership lottery: Bob Scolnick K6GEV

## Repeater Control Op's:

WB6PER Jim 526-2972 N6PTM Jim 823-7947  
 WD6CKP Hoppy542-6750 W6TLK John 833-1873  
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### SHORT SKIP ADVERTISING RATES:

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

### ARE YOU NOT AN SCRA MEMBER?

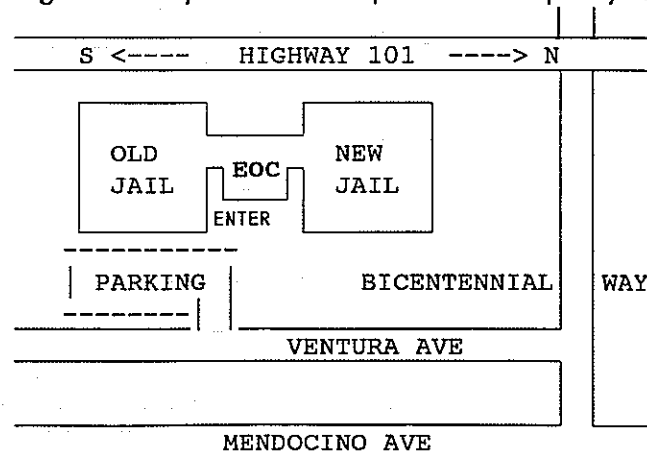
IF SO, then this is a complimentary copy. Our club is involved with almost every area of Amateur Radio: Repeaters (13/73), Field Day, license classes (Novice through Extra), volunteer exams, RACES, DX programs, packet radio, hidden xmtr hunts -- you name it. We invite you to attend our next monthly meeting (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 Newline broadcasts, announcements of SCRA activities and a Swap Shop. If you would like to join SCRA, please refer to the dues listed below. Hope we can have an "eyeball" QSO with you at the next meeting! 73 ...

## Club Meetings:

7:30 PM, 1<sup>st</sup> Wednesday each month at the EOC (Emergency Operations Center). Anyone interested in Amateur Radio is welcome.

NEXT MEETING: August 7, 1991  
 PROGRAM: Hints and Kinks

DUES: \$12 per year, plus a one-time \$4.00 initiation fee. Dues are pro-rated \$1/month for new members who get an SCRA call/name badge. Family memberships are \$18 per year.



## WORLDWIDE DISTRIBUTION

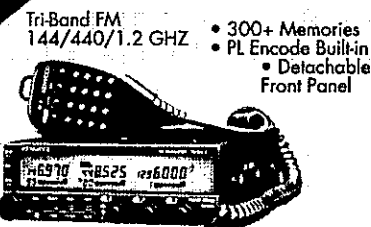


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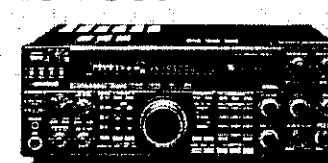
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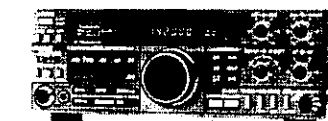
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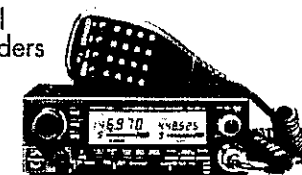
### KENWOOD NEW! TH-77A

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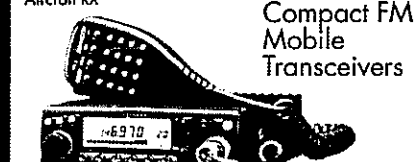
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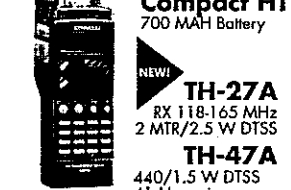
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 Tom, KM6K, Mgr.  
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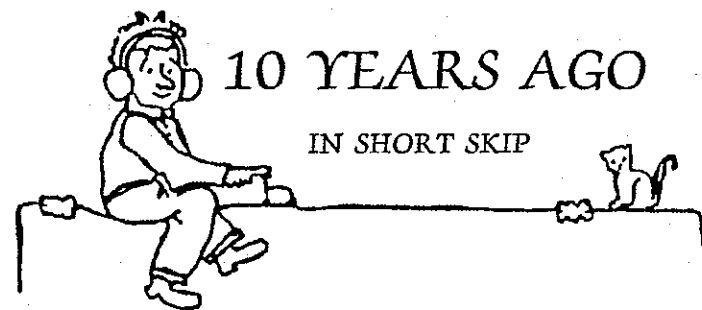
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 PHONE HOURS: 9:30 AM to 5:30 PM. Prices, specifications, descriptions, subject to change without notice.

The **RAFFLE** was, as always, ably handled by Phil KC6BSI. The winner of the **MEMBERSHIP LOTTERY** was KK6SE who found \$18 in Lottery Chairman K6GEV's moneybag.

**PIRATES ON 10 METERS** have been heard using CB lingo, per WB6FRZ. KC6RDH has heard someone using his call. If you hear this, note the date, time and circumstances.

Adjourned at 9:12 PM. m/s W6DTV/K6ZWB  
Respectfully submitted, Sec. Al Bloom N1AL ■



The front cover of the August 1981 *Short Skip* highlighted our sister club in Luebeck, Germany. Club president Hans Berg DJ6TJ was to visit SCRA at the August meeting. [Has anybody heard from OM Hans lately?]

"Betty's girls" made the trip to San Francisco and upgraded their license classes. Congrats to Sarah KA6MCU (N6FAX), Martha KA6PXR, and Jerry KA6PXQ (N6FCV). Also to Betty AG6C who was responsible for many Sonoma County YL's getting their licenses.

Field Day was a blast. This was the year Terry WA6RNF gave Dave WD6AJR three stitches trying to put up an antenna by throwing a line over a tree with a hammer. Site was Ragle Park in Sebastopol (before they "prettified" it.) At least 39 attended.

SCRA hams helped with emergency comm's for the Silverado fire (Napa Co.) and the Sebastopol-Graton apple plant fire. ■

## H.R. 73 UPDATE

The House version of S. 1372, the amateur radio spectrum protection bill, has attracted 116 co-sponsors as of July 10. Among them: our own Rep. Frank Riggs! ■

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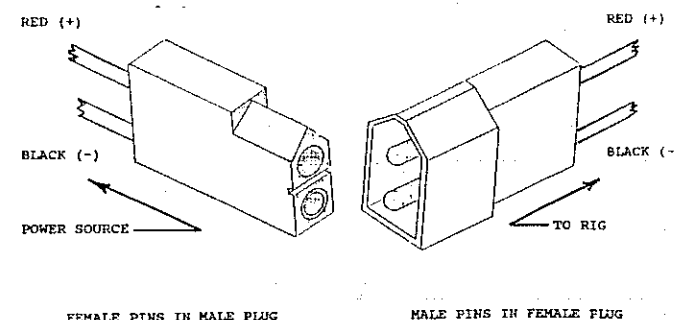
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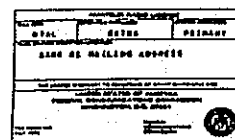
## 12-V Connector Recommendation

As a result of a study commissioned by the League's Volunteer Resources Committee last year, the Field Services Department is recommending the MOLEX Series 1545 connector for use in promoting compatibility and interchangeability among personal VHF/UHF radio equipment at disaster and public event sites. Polarity should always be verified prior to connecting radios and power supplies.



The 1545 connector is rated at 25 volts, 8 amps. Wire size requirement is #18 AWG or greater. An in-line fuse between the power source and first connector is recommended. The connector is available at Radio Shack stores, part #274-222.

ARRL FIELD FORUM



## UPGRADE EXAM RESULTS

by Steve Lund WA8LLY

On 15 July, 26 candidates took 46 exam elements at the latest SCRA ARRL-VEC exam session. 12 either obtained new licenses or upgraded and 8 others obtained element credit.

New Novices are Paul Dunn and Clifford Haines.

New no-code Technician licensees are: James Smith, Christopher Johnson, and David Edson.

Showing that code is not dead, the following earned the Technician license with HF privileges: Allen KC6WUK, Gary KC6WTE, Thomas KC6WUF, Robert KC6SOT, Scott KB6REP, Pete KC6UXM and Henry Graham.

This large of an exam session would not be possible without the help of John WB6FRZ, Al N1AL, Ken K6UXO, and Steve WA8LLY.

The next exam session is planned for late September. There are several methods to find out when the session will be held. A notice will always be posted at HSC Electronics in Cotati. The next best way is to send an SASE/postal card to Steve Lund WA8LLY, PO Box 476, Graton, CA 95444. As soon as the date/time are determined, I'll send you a flyer in the SASE. The worst method is to call me at home.

## LOST AND FOUND

One of the candidates left the exam session without their headphones. Please give Steve WA8LLY a call at 823-4544 to claim them. ■

Jim Palmulder  
N6PTM

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## CONGRATULATIONS: NOVICE CLASS STUDENTS

by John Breckenridge WB6FRZ

Congratulations are in order for the following people who (officially) started the Novice class on April 22 and passed their Novice exam on July 29 (EXAM DAY): Burl Don, Phyllis Neumann, and Shelly Sourek.

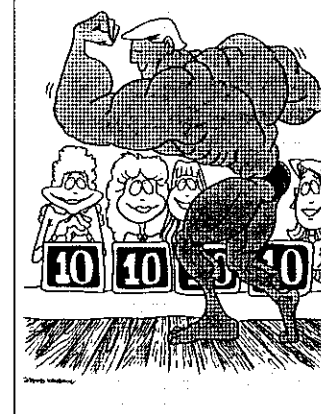
The list seems short because the following people (who also were in the Novice class) obtained their licenses through the VE system PRIOR to the end of the class: Paul Dunn, Gary Gouger, and Tom Kaminska.

Congratulations to Pat Malone, Bob Neumann, and Ron Spalding who passed element 2, all well on their way to qualify for a license.

Congratulations also to Bob Nellor and Alan Adams, who joined the class in June to practice the code. Both passed their exams at the VE session in July.

And a big thanks to the California Spinal Cord Injury Network for supplying a very nice place to hold classes at no charge. Thanks to SCRA who co-sponsored the class. Thanks to Al Bloom, N1AL for his assistance as second examiner at our Novice exam session. And thanks to Walter Burandt, KC6RHB for his excellent work in tutoring Pat Malone, who happens to be visually challenged. ■

## Baud rate



## Semiconductor



(Tnx Rand Kruback in HP's *Measure* magazine)

FIELD DAY UPDATE

I found a couple more callsigns in the FD logs. We actually had at least 25 operators!

The CW operators were N1AL AA6YX N6QAV WB6FRZ KK6VY KK6SE and WA6SEU. On SSB were AA6YX WB6RLA KK6VY WA6OLW N6VUC N6OLD W6TLK N6GHG WB6TMM KK6WN KC6SSD WA6SEU KK6XT KK6SE and K6ZWB. Novice CW was handled by KB6IOT and KC6RHA. KB6PTA KC6NDU KC6RKZ and KC6RDH worked 10 meter phone. The packeteers were KC6PJW and WA6SEU.

Here are the corrected results. This looks a bit better than last month's totals, as I had missed a whole sheet of 15 meter phone.

This is a test. This is a test. Now is the time for all good men to com

GENERAL+ STN. W6LFJ:

Band	----1991----		----1990----		----1989----	
	CW	SSB	CW	SSB	CW	SSB
160		1				
80M	178	142		49	112	35
40M	34	237	50	110	162	
20M	270	176	325	176	214	43
17M	4	29				
15M	84	80		158	180	
Packet	40					
VHF			71		28	

NOVICE STN. KB6PTA: (N6ONZ in 1989)

Band	----1991----		----1990----		----1989----	
	CW	SSB	CW	SSB	CW	SSB
80M	6		7		8	
40M	24		78		17	
15M					95	
10M		28		73		64
-----						
TOTAL	640	693	460	637	788	170
	x 2	x 1	x 2	x 1	x 2	x 1
-----						
	1280	693	920	637	1576	170
-----						
OSO Points	1973		1557		1746	

The best DX of the weekend was by the Novices on 10 meter phone -- VK2ARY and VK3AKK in Australia. The best the Generals could do was a couple JA's on 80 CW.

Rumor has it REDX beat us :=(



Photos tnx Ted KB6PTA

SCRA MINUTES

July 3, 1991



The meeting was called to order by President Jim Pelmulder N6PTM at 7:36 PM. Other officers present: Vice President Brian Torr N6IY, Treasurer Merlyn Pfeiff N6VUC, and Members-at-Large Lou Schneider N6YMQ and John Wallack W6TLK.

VISITORS: Jane N6NTB is back as our official greeter. Jane introduced a couple visitors.

UPGRADES: KK6XT has upgraded to extra. He has gone from nothing to extra in only six months!

SHORT SKIP: John WB6FRZ and Lou N6YMQ report not having received their July issue of Short Skip.

The MINUTES were approved as published in Short Skip. m/s N6GHG/K6ZWB.

The TREASURERS REPORT was accepted. There is \$3962.85 in the General Fund and \$755.43 in the Repeater Fund. Expenses for the Field Day dinner have not been paid yet. m/s KK6WN/W6DTV.

The REPEATER on Sonoma Mountain is back on again! The County was inspired to fix the repeater after the earthquake in southern California. Jim Rutherford WB6PER obtained the keys to the vault and Mike WA6YXB tuned up the repeater last Saturday. Practically everything had to be readjusted. The transmitter was only putting out 5 watts and the antenna connector was falling off. A "Thank You" card is being circulated for Mike's help.

John Wallack W6TLK clarified that the 146.73 repeater, WB6PVS, is the only repeater affiliated with SCRA. Other repeaters in the county are:

- 145.35 MHz, Sonoma Mt, P/L: 127.2 Hz
- 146.91 MHz, maintained by Dale WB6TMS, further down the hill on Sonoma Mt.
- 145.19 MHz, on Mount Jackson
- 145.17 MHz, covers coast pretty well.

PUBLIC SERVICE events coming up are the Triathlon and the Healdsburg Bike Century. Bill N6GHG has many unclaimed T-shirts from previous events at his home.

EDUCATION: John WB6FRZ's novice class has 3 meetings to go. The exam will be July 29. Bob K6XZ has only about 3 left in his 5-to-13 wpm code upgrade class on Fridays. Al N1AL plans a Technician class in the Fall. The next VEC session is July 15, 7 PM, at the EOC. John asked how many would be interested in an assembly practices class. 7 and 1/2(?) people raised their hands.

A SWAP SHOP sheet was passed around by Hank W6DTV. The "Verbal Bulletin Board" netted several participants.

FIELD DAY was the best in N6PTM's experience. Special thanks to Charlie KK6WM -- no muss, no fuss, just good food. WB6FRZ was incredibly organized -- his army of Novices and Techs did an outstanding job. N1AL brought a storehouse full of equipment. The turnout was excellent. Several lost-and-found items were mentioned.

Next year's site is not yet selected. N1AL felt that this year's campground was too small. WB7AKX, our contact at last year's site, the Healdsburg Salvation Army, has moved to Alaska. WB6SEU has a friend with 2 acres in Occidental. N1AL figures we could get the Two Rock Coast Guard base again.

Walt KC6RHB felt John WB6FRZ's pre-FD meetings were very helpful. Someone mentioned that the solar station should get on before all the contacts are taken by another station. Sign-up sheets should be for less than 2-hour increments so people don't feed intimidated. WA6OLW says volunteers should be appointed to look after bonus points. KK6VY thinks we need a way to find out if people wandering by would like to operate.

REPEATER: Larry KF6WV commented that now that SCRA has responsibility for maintaining the repeater, we should institute a regular schedule of preventative maintenance.

N6IY reminded everyone to bring in your PROJECTS, amateur techniques, and ideas to club meetings to pass along to the members.

Don't forget the FLEA MARKET Sept 28 at the Holy Ghost Hall, Sebastopol. (over)



# HAMS IN WAR

by Iztok Saje YU3FK 8:07 AM, July 4, 1991.

I still do not believe what happened here, it is so awful. Anyhow, it is maybe of interest to see how HAMS responded to emergency.

When unexpected attack of YU Army to Slovenija happened, the first HAMS reaction was: be QRV, stay tuned. There was no need to help with professional communications, all worked OK. We only blocked military repeaters and simplex channels on 2m band; fortunately most of MODS to expand RX/TX range of Japanese RIGs were available on BBSes.

Later on we were requested not to make ORM on military frequencies, because we blocked channels so effectively, that YU3 intelligence could not get any information from military communications. There is not yet enough 6m equipment here, to effectively block military there, but we were of some help to YU3 police. (YU got 50 MHz band few weeks ago).

Most of HAM communications (besides those helping actively defense operations) are on helping press (some telephone lines are broken) and Red Cross. A lot of personal request were handled by HAMS also (like: My parents are there and there, we can not get them by telephone, are they OK ? ).

Packet: As my role was in packet, I can tell the story from first hand. First action was to check network. Everything worked, so I send few bulletins with emergency instructions to BBSes. Packet stations on R TV stations was activated, with printer connected to C-64. I got few phone numbers, like Red Cross, direct

line to news service etc. Quickly, first news reports were coming from area telephone cut.

When army started bombing of TV and communication centers, where most of packet nodes were, we prepared secondary links. A few HAMS left packet stations QRV, to be used as digipeaters. Several nodes were attacked: 4N3B on Mt. Boc, 4N3P on Mt. Pohorje, several times 4N3H on Mt. Kum, and 4N3L on Mt. Krvavec. 4N3H antennas were destroyed, thus 23cm backbone network was cut into two pieces. But, 2m links were ready and YU3 packet network is fully operative. No harm done to 2m and 70cm FM repeaters, so 4N3H is the only HAM installation destroyed.

We get also some help from outside YU3 -- First of all, I asked everybody to stop BBS forward and other DXing. YU3 - network is now free for emergency traffic. Also, neighbor HAMS are ready to help us with secondary links on 2m, if our current nodes are destroyed. We have a backup ready for any node. Also, they are in touch with Red Cross and others, if there is any need.

So far, HAMS were again playing our role in defense of our country. I hope is needed no more, but we are ready.

Packet node 4N3H is probably first HAM packet node to be destroyed in military attack. It had 4 antennas on 23cm to 38400 baud YT3MV 23cm station (4N3H-12), 2m port on 144.600 (4N3H), converse node 4N3H-3 and we were fixing also 70cm 19200 baud Manchester user access node on 70cm.

So much about HAMS in war, I hope we would be able to make full report when war is over. Best 73, peace to everybody, Iztok YU3FK. ■

154 WB6WLJ FULL	ROGER J SHERRON JR	3336 SCRUB OAK DR	SANTA ROSA, CA	95404	579 4083
155 KK6WM FULL	CHARLES J. CARNIGLIA	PO BOX 1120	SANTA ROSA, CA	95402	578 5832
156 KC6WTE FULL	GARY GOUGER	3637 SONOMA AVE #219	SANTA ROSA, CA	95405	575 9119
157 KC6WTO FULL	SAL CARUSO	3989 SHADOWHILL DR	SANTA ROSA, CA	95404	539 4661
158 KF6WV FULL	LARRY RAU	16615 COLEMAN VALLEY RD	DOCCIDENTAL, CA	95465	874 3018
159 KD6XF FULL	BUD BARTLETT	35 MISSION DR	PETALUMA, CA	94952	763 2119
160 KB6XM FULL	JAMES LEFTWICH	3505 SPRINT MT RD	ST HELENA, CA	94574	963 1811
161 KK6XT FAMILY#1	JOHN K GAUGER	1627 FURLONG RD	SEBASTOPOL, CA	95472	829 2599
162 K6XZ FULL	ROBERT CRAIG	5519 EL ENCANTO CIRCLE	SANTA ROSA, CA	95409	539 1693
163 WG6Y FULL	WARREN WALKER	PO BOX 22	LAKEPORT, CA	95453	
164 N6YEU FULL	FRED LEONI	9627 WESTSIDE RD	HEALDSBURG, CA	95448	431 8202
165 N6YIG FULL	CLIFF REIN	6595 BRIDGEWOOD DR	SANTA ROSA, CA	95409	
166 N6YMQ FULL	LOU SCHNEIDER	407 EASTMAN LANE #4	PETALUMA, CA	94952	
167 WA6YTW FULL	BOB E. DAVIS	305 EAST SPAIN ST.	SONOMA, CA	95476	938 2033
168 KJ6YV FULL	RAY CLARY JR.	2125 E FOOTHILL DR	SANTA ROSA, CA	95404	
169 AA6YX FULL	DAVE NEW	320 CHADWICK PLACE	SANTA ROSA, CA	95401	526 9324
170 K6ZIV FULL	LARRY MULLINIX	8507 VICKY LANE	SEBASTOPOL, CA	95472	823 8447
171 N6ZME FULL	REED WHITE	PO BOX 1001	SEBASTOPOL, CA	95472	829 1001
172 KB6ZOL FAMILY#1	MARK BURNELL	150 POPE COURT	SANTA ROSA, CA	95405	575 5332
173 K6ZWB FULL	RICK REINER	150 STONY POINT RD	SANTA ROSA, CA	95401	

# US FREQ. ALLOCATIONS (BELOW 30 MHZ)

by Bill McFadden [Downloaded from Usenet]

## AMATEUR PHONE BANDS

1800 - 2000	160 Meters
3750 - 4000	75 Meters
7150 - 7300	40 Meters
14150 - 14350	20 Meters
18068 - 18110	17 Meters
21200 - 21450	15 Meters
24930 - 24990	12 Meters
28300 - 29700	10 Meters

## AMATEUR CW BANDS

1800 - 2000	160 Meters
3500 - 3750	80 Meters
7000 - 7150	40 Meters
10100 - 10150	30 Meters
14000 - 14150	20 Meters
18110 - 18168	17 Meters
21000 - 21200	15 Meters
24890 - 24930	12 Meters
28000 - 28300	10 Meters

## SHORTWAVE BROADCAST BANDS

2300 - 2495	120 Meters
3200 - 3400	90 Meters
3900 - 4000	75 Meters
4750 - 5060	60 Meters
5950 - 6200	49 Meters
7100 - 7300	41 Meters
9500 - 9900	31 Meters
11650 - 12050	25 Meters
13600 - 13800	22 Meters
15100 - 15600	19 Meters
17550 - 17900	16 Meters
21450 - 21850	13 Meters
25600 - 26100	11 Meters

## FIXED SERVICE BANDS

1705 - 1800	12050 - 12330
2107 - 2170	13360 - 13600
2194 - 2300	13800 - 14000
2505 - 2850	14350 - 14995
3155 - 3200	15600 - 16460
4000 - 4063	17360 - 17550
4438 - 4650	18030 - 18780
5005 - 5450	18900 - 19680
5730 - 5950	19800 - 21000
6765 - 7000	22720 - 23200
7300 - 8195	23350 - 24990
9040 - 9500	26950 - 26960
9775 - 9995	29800 - 29890
10100 - 11175	29910 - 30000
11400 - 11650	

## MARINE BANDS AIRCRAFT BANDS

2000 - 2107	2850 - 3155
4063 - 4438	3400 - 3500
6200 - 6525	4650 - 4750
8195 - 8815	5450 - 5730
12330 - 13200	6525 - 6765
16460 - 17360	8815 - 9040
18780 - 18900	10005 - 10100
19680 - 19800	11175 - 11400
22000 - 22720	13200 - 13360
	15010 - 15100

## TIME BANDS

2495 - 2505	21850 - 22000
4000 - 4000	23200 - 23350

## GOVERNMENT BANDS

5000 - 5000	
7335 - 7335	
8000 - 8000	25330 - 25600
10000 - 10000	26480 - 26950
15000 - 15000	27540 - 28000
20000 - 20000	29890 - 29910
25000 - 25000	

## OTHER BANDS

535 - 1705	AM Broadcast
2170 - 2194	Land Mobile
25010 - 25330	Petroleum Industry
21600 - 26480	Land Mobile
26960 - 27410	Citizens' Band
27410 - 27540	Land Mobile
29700 - 29800	Forestry Service

TIME	ZONES	PDT	MDT	CDT	EDT
GMT	PST	MST	CST	EST	
0000	4-PM	5-PM	6-PM	7-PM	8-PM
0100	5-PM	6-PM	7-PM	8-PM	9-PM
0200	6-PM	7-PM	8-PM	9-PM	10-PM
0300	7-PM	8-PM	9-PM	10-PM	11-PM
0400	8-PM	9-PM	10-PM	11-PM	12-AM
0500	9-PM	10-PM	11-PM	12-AM	1-AM
0600	10-PM	11-PM	12-AM	1-AM	2-AM
0700	11-PM	12-AM	1-AM	2-AM	3-AM
0800	12-AM	1-AM	2-AM	3-AM	4-AM
0900	1-AM	2-AM	3-AM	4-AM	5-AM
1000	2-AM	3-AM	4-AM	5-AM	6-AM
1100	3-AM	4-AM	5-AM	6-AM	7-AM
1200	4-AM	5-AM	6-AM	7-AM	8-AM
1300	5-AM	6-AM	7-AM	8-AM	9-AM
1400	6-AM	7-AM	8-AM	9-AM	10-AM
1500	7-AM	8-AM	9-AM	10-AM	11-AM
1600	8-AM	9-AM	10-AM	11-AM	12-PM
1700	9-AM	10-AM	11-AM	12-PM	1-PM
1800	10-AM	11-AM	12-PM	1-PM	2-PM
1900	11-AM	12-PM	1-PM	2-PM	3-PM
2000	12-PM	1-PM	2-PM	3-PM	4-PM
2100	1-PM	2-PM	3-PM	4-PM	5-PM
2200	2-PM	3-PM	4-PM	5-PM	6-PM
2300	3-PM	4-PM	5-PM	6-PM	7-PM

#	CALL	CLASS	NAME	ADDRESS	TOWN	ZIP	PHONE
1		SPONSOR	LARRY L ROBERTS	929 HUDIS	ROHNERT PARK, CA	94928	584 5030
2		FAMILY	. BURNELL	150 POPE COURT	SANTA ROSA, CA	95405	575 5332
3		SPONSOR	KATHERINE WOLF	19299 N. SHORE CT	MIDDLETOWN, CA	95461	987 9566
4		SPONSOR	GARY H. LEHNERT	5922 MONTE VERDE DR	SANTA ROSA, CA	95409	539-3604
5		FAMILY	JANET CARNIGLIA	4711 ANNADEL HTS DR	SANTA ROSA, CA	94505	538 7658
6		FAMILY	SUZENNE CONNELLY	5850 ANDERSON RD	FORRESTVILLE, CA	95436	887 7950
7	KB6AAD	FULL	HOWARD GLANDON	118 VALLEY LAKES	SANTA ROSA, CA	95409	539 6098
8	WA6ACX	FAMILY#1	DON OSBORNE	25005 RIDGE RD	WILLITS, CA	95490	459 3980
9	W6AHH	FULL	ROBERT D. BROWNE	2339 MEYERS DRIVE	SANTA ROSA, CA	95403	542 2756
10	WB7AKX	FULL	DALLAS PEDERSEN	PO BOX 668	HEALDSBURG, CA	95448	433 0546
11	WA6AQA	FAMILY	RUTH S. LAWRENCE	521 TERESA CT	SEBASTOPOL, CA	95472	829 2350
12	KK6BK	FULL	S LEWIS NEWTON	4620 ROCK MEADOW PLACE	SANTA ROSA, CA	95405	538 1370
13	KC6BSI	FULL	PHILIP GAUL	739 WHEELER	SANTA ROSA, CA	95404	544 2572
14	KG6BW	FULL	GEORGE KING	2416 SYCAMORE COURT	SANTA ROSA, CA	95404	575 9923
15	K6BWX	FULL	DICK MADDOX	2435 MURDOCK DR	SANTA ROSA, CA	95404	578 8825
16	KA6BYX	FULL	JAMES HOBART	2053 HUMBOLD ST	SANTA ROSA, CA	95404	546 3225
17	AG6C	FAMILY	BETTY BRAVIN	3411 COFFEY LANE	SANTA ROSA, CA	95403	542 6750
18	W6CCY	FULL	JOHN LYNCH	6710 NICOLE CT	SEBASTOPOL, CA	95472	823 1357
19	WD6CKP	FAMILY#1	HOPPY BRAVIN	3411 COFFEY LANE	SANTA ROSA, CA	95403	542 6750
20	WB7CNJ	FULL	ROBERT R. WRIGHT M.D.	320 CANDLELIGHT DR	SANTA ROSA, CA	95403	571 8262
21	W6CPE	FAMILY#1	DONALD E. DICKEY	7635 MANDOLIN WAY	ROHNERT PARK, CA	94928	795 1269
22	KA6CRG	FULL	HOWARD TRITES JR	625 TRUMBULL AVE	NOVATO, CA	94947	415 892 5580
23	KC6CYE	FULL	DAVID WELSH	255 WIKIUP MEADOWS	SANTA ROSA, CA	95403	544 7579
24	KC6CYG	FULL	ROBERT H FERGUSON	809 GILARDI DR	PETALUMA, CA	94952	762 7064
25	WN6D	FAMILY#1	JIM BOYETT	1326 DOGWOOD DRIVE	SANTA ROSA, CA	95403	544 7943
26	N6DDK	FULL	CHUCK SABIN	8345 BRAND LANE	PENNGROVE, CA	94951	795 2371
27	KB6DJG	FULL	DAVE ELMORE	1727 LAGUNA RD	SANTA ROSA, CA	95401	544 3537
28	KA6DJY	FAMILY	JOHN KOBOLD	2433 APPLETREE DR	SANTA ROSA, CA	95401	544 5330
29	WD6DPE	FULL	BOB OLSTEN	3723 ARIZONA DR	SANTA ROSA, CA	95405	546 5593
30	W6DTV	FAMILY#1	HENRY DAVIS	7822 WASHINGTON AV	SEBASTOPOL, CA	95472	823 7885
31	WD6DXW	FULL	BILL THOMAS	5341 THOMAS RD	SEBASTOPOL, CA	95472	823 9429
32	K6EAN	FULL	BOB BENDT	18 TERRACE DR	COTATI, CA	94931	792 1525
33	W2EBG	FAMILY#1	GENE JOHNSON	2437 WIDGEON CT	SANTA ROSA, CA	95401	578 3104
34	WB6EKV	FULL	BOB SONES	4810 ROCKRIDGE LANE	SANTA ROSA, CA	95404	546 3873
35	N6FAX	FAMILY	SARAH DAVIS	7822 WASHINGTON AV	SEBASTOPOL, CA	95472	823 7885
36	KB6FHT	FAMILY	ANNE FIGUHR	2412 FOOTHILL BLVD #161	CALISTOGA, CA	94515	942 5883
37	KC6FKX	FULL	LAUREL MEYER	5929 VAN KEPPEL RD	FORESTVILLE, CA	95436	887 2555
38	KF6FX	FAMILY	IRMA OSBORNE	25005 RIDGE RD	WILLITS, CA	95490	459 3980
39	N6FYV	FULL	CONNIE FREITAS	POB 750925	PETALUMA, CA	94975	
40	NR6G	FULL	ARTHUR J. HALL	5555 MONTGOMERY DR #68	SANTA ROSA, CA	95409	579 6923
41	KB6GBV	FULL	KERMIT SHIRK	4 GAVILAN RD	BELEN, NM	87002	505 864 6858
42	KD6GC	FULL	STEVE SCHAFER	2320 MARK WEST SPRINGS	SANTA ROSA, CA	95404	546 8860
43	K6GEV	FULL	ROBERT N. SCOLNICK	900 LIBERTY ROAD	PETALUMA, CA	94952	762 8874
44	NH6GF	FULL	GRANT W. CANFIELD	1950 WEST DRY CREEK RD	HEALDSBURG, CA	95448	431 7706
45	N6GHG	FULL	BILL SPLAINE	1360 FOOTHILL DR	HEALDSBURG, CA	95448	431 8636
46	KB6GIU	FULL	CURTIS BRAUCHER	7319 WOODSIDE DR	STOCKTON, CA	95207	209 477 3279
47	KH6GJV	FULL	BILL HILLENDALH	PO BOX 4151	SANTA ROSA, CA	95402	539 2791
48	N6GTF	FAMILY	HELEN DETTLING	PO BOX 962	PETALUMA, CA	94953	762 4087
49	W6GYY	FULL	JIM T. HALL	20747 TEMELEC DR	SONOMA, CA	95476	938 1559
50	N6GZV	FAMILY#1	MAY KOBOLD	2433 APPLETREE DR	SANTA ROSA, CA	95403	544 5330
51	KA6HGW	FULL	BART HOLMES	2818 COCHINA CT	SANTA ROSA, CA	95401	528 3955
52	KD6HQ	FULL	DON BOOSINGER	1151 PIPPIN CIR	SANTA ROSA, CA	95407	546 1217
53	W2HWQ	FULL	BILL KOCZON	PO BOX 2927	PETALUMA, CA	94953	763 2927
54	KC6HXS	FULL	AURELIA F ANDERSON	617 G STREET	PETALUMA, CA	94952	762 2348
55	KJ6HY	FULL	BILL PATTERSON	2307 MAHER DR #5	SANTA ROSA, CA	95405	546 4787
56	WA6HYE	FULL	BOB MENGELBERG	1623 SCHAEFFER RD	SEBASTOPOL, CA	95472	823 3520
57	N6IUY	FULL	BRIAN TORR	1625 GAMAY ST	SANTA ROSA, CA	95401	575 5871
58	KB6IOT	FULL	OLIVER KILBEY	2985 FULTON RD	FULTON, CA	95439	545 8175
59	N6IRJ	FAMILY#1	SUSAN RUTHERFORD	PO BOX 222	KENWOOD, CA	95452	526 2972
60	KC6IRQ	FULL	GEORGE WENZLAFF	PO BOX 491	OCCIDENTAL, CA	95465	874 2713
61	K16JC	FULL	RAUL TAIBO	448 IGNACIO BLVD #172	NOVATO, CA	94949	
62	K16KE	FULL	JAMES A. JOHNSTON	400 TWIN LAKES CIRCLE	SANTA ROSA, CA	95409	538 2857
63	N6K1J	FULL	KEN PERRY	21791 BONNESS RD	SONOMA, CA	95476	938 3114
64	N6KLU	FULL	RUDY MAPPUS	374 SPRAUER RD	PETALUMA, CA	94952	664 1978
65	W6KNO	FULL	JACK JACKSON	18 HIGHGATE RD	KENSINGTON, CA	94707	524 8911
66	KB6KSA	FULL	PATRICK B. BRODERICK	3357 GLEN ECHO DR	SANTA ROSA, CA	95404	528 2109
67	K6KTM	FULL	ROD LARRICK	1317 WEST DRY CREEK RD	HEALDSBURG, CA	95448	433 6038
68	W6KTT	FULL	TOM SEHABIAGUE	2781 WARM SPRINGS RD	GLEN ELLEN, CA	95442	525 1751
69	KB6KTX	FAMILY	BEA JOHNSON	2437 WIDGEON CT	SANTA ROSA, CA	95401	578 3104
70	W6LCZ	FULL	KEN CHRISTENSEN	2615 RANCHO CABEZA DR	SANTA ROSA, CA	95404	542 2716
71	W6LGQ	FULL	ART HAGOPIAN	34 LAUREL AVE	PETALUMA, CA	94952	762 2132
72	WA8LLY	FULL	STEVE LUND	PO BOX 476	GRATON, CA	95444	823 4544
73	W6MEO	FULL	ALLAN CHAPMAN	5602 RATERS DRIVE	SANTA ROSA, CA	95409	538 4935
74	N6MGY	FULL	WILBUR DALE	4030 BARNES RD	SANTA ROSA, CA	95403	528 1911
75	N6MHG	FULL	KEN HARRISON	4005 FRANKS CT	SANTA ROSA, CA	95405	579 1230

76	W6MHJ	FAMILY#1	DICK FIGUHR	2412 FOOTHILL BLVD #161	CALISTOGA, CA	94515	942 5883
77	W6MIS	FULL	AUDLEY W MAXWELL	9396 ARGONNE WAY	FORESTVILLE, CA	95436	887 2590
78	WB6MJB	FULL	FOSTER (BUD) LOCKWOOD	47 WAMBOLD LANE	PETALUMA, CA	94952	792 1444
79	VP2ML	FULL	CHOD HARRIS	3201 FRANZ VALLEY RD	SANTA ROSA, CA	95404	526 2198
80	N6MSG	FULL	CLYDE ANDERSON	534 PARQUET	SEBASTOPOL, CA	95472	823 4830
81	KA6MUB	FULL	JUDSON E. GOODRICH	6396 STONE BRIDGE RD	SANTA ROSA, CA	95409	538 4391
82	KB6MZE	FULL	JANET GREENE	1158 HARVARD DR	SANTA ROSA, CA	95405	578 0242
83	KC6NDU	FULL	K. SOUVANNAPHOXAY	1015 ASTON AVE #G	SANTA ROSA, CA	95404	578 7296
84	W6NGZ	FULL	JACK REEDER	986 SLATE DR	SANTA ROSA, CA	95405	
85	N6NTB	FULL	JANE VANDERSLICE	1433 GOLD WAY	ROHNERT PARK, CA	94928	584 0145
86	KA1NVR	FAMILY	NORMA KERWIN	PO BOX 1309	FORESTVILLE, CA	95436	887 7843
87	KA7NZO	FULL	LEE SNYDER	19415 REDWOOD DR	MONTE RIO, CA	95462	865 1269
88	KC6OCD	FAMILY	ANGELA C DICKEY	7635 MANDOLIN WAY	ROHNERT PARK, CA	94928	795 1269
89	N6OH	FULL	WALT BRUUN	PO BOX 283	PETALUMA, CA	94953	763 0476
90	N6OJC	FULL	CHUCK FROUNFELKNER	601 ARLENE CT	VACAVILLE, CA	95688	
91	N6OLD	FULL	BILL KAISER	346 LAKEVILLE CIRCLE	PETALUMA, CA	94954	763 7845
92	WA6OLW	FULL	BILL WATERS	115 SUMMER WHEAT RD	WINDSOR, CA	95492	838 0543
93	N6ONZ	FULL	GARRY PALMER	333 E. ROBLES AVE	SANTA ROSA, CA	95407	584 3425
94	N6OOA	FULL	PHILIP SCHLEYER	8105 B ST.	WINDSOR, CA	95492	838 2912
95	KC6OPQ	FULL	GREG PRINGLE	5901 NEWMAN CT #17	SACRAMENTO, CA	95819	916 452 7381
96	KI6PD	FULL	HANS G. SORENSEN	9684 OCONNELL RD	SEBASTOPOL, CA	95472	823 2091
97	KB6PDA	FULL	PAUL DANA	46 VALLEJO ST	PETALUMA, CA	94952	762-1461
98	WB6PER	FAMILY	JIM RUTHERFORD	PO BOX 222	KENWOOD, CA	95452	526 2972
99	KC6PEY	FULL	C. RONALD SMITH	1411 DEER LANE	SEBASTOPOL, CA	95472	823 2228
100	KC6PJV	FULL	JEFF YOUNG	18246 NEELEY RD	GUERNEVILLE, CA	95446	869 9180
101	KC6PJW	FULL	JIM ANDREWS	7249 ROXANNE LN	ROHNERT PARK, CA	94928	795 2163
102	KC6PLE	FULL	MICHAEL P LENNON	1445 LUDWIG AVE	SANTA ROSA, CA	95407	576 7885
103	N6PLQ	FULL	BOB DAMON	6724 PETALUMA HILL RD	PENNGROVE, CA	94951	795 3038
104	KB6PTA	FULL	TED L. DECROFF	1044 MERCED AVE	SANTA ROSA, CA	95407	542 4008
105	N6PTM	FULL	JIM PELMUTTER	2801 GRAVENSTEIN HWY No	SEBASTOPOL, CA	95472	823 7947
106	WA6PXW	FAMILY#1	FRANK DETTLING	PO BOX 962	PETALUMA, CA	94953	762 4087
107	N6QAV	FULL	JUD SPRUCE	867 FIRST ST.	SEBASTOPOL, CA	95472	829 3621
108	W6QYB	FULL	RODOLF G (BOB) BARTON	326 ENGLISH ST #D	PETALUMA, CA	94952	765 9314
109	KC6REK	FULL	BRIAN D JOHNSON	2337 DONAHUE AVE	SANTA ROSA, CA	95401	575 4352
110	KC6RHA	FULL	DOUGLAS CARTER	1139 GUAYMAS ST	SANTA ROSA, CA	95401	528 9116
111	KC6RHB	FULL	WALTER BURANDT	9045 CHALK HILL RD	HEALDSBURG, CA	95448	838 7813
112	N6RIF	FULL	DAVID SPENCER	111 KAY COURT	CLOVERDALE, CA	95425	894-4787
113	KC6RKY	FULL	JOSEPH A REID	5610 HESSEL AVE	SEBASTOPOL, CA	95472	829 1275
114	KC6RKZ	FULL	MARK WALSH	4529 TAYLOR AVE	SANTA ROSA, CA	95407	585 1764
115	WB6RLA	FAMILY#1	KEN PARKER	130 PAULSEN LANE	PETALUMA, CA	94952	778 0758
116	N6RMW	FULL	BOB PHILLIPS	1508 PLUMERIA DR	SANTA ROSA, CA	95403	542 5209
117	KF6RS	FULL	RAYMOND P. HEIL	197 GILBERT DRIVE	SANTA ROSA, CA	95405	528 3332
118	N6RXY	FULL	STEVEN J. R. CONSANI	1140 OLIVE ST	SANTA ROSA, CA	95407	545 2010
119	N6RYA	FULL	STEVE BECK	5643 VERNI RD	SEBASTOPOL, CA	95472	823 5882
120	KK6SE	FULL	PETER VELIE	126 SANDALWOOD CT	SANTA ROSA, CA	95401	526 9507
121	WA6SEU	FULL	PHIL RICHARDSON	3613 CYPRESS WAY	SANTA ROSA, CA	95405	527 0935
122	KC6SOT	FULL	ROBERT C. NELLOR	6818 AVENIDA CALA	ROHNERT PARK, CA	94928	795 5228
123	KB6SQY	FULL	BRAD SILVA	PO BOX 5305	SANTA ROSA, CA	95402	584 0533
124	K6SRD	FULL	LOWELL LUX	4567 BRIGHTON DR	SANTA ROSA, CA	95403	546 7099
125	N6SRH	FAMILY#1	DON CONNELLY	5850 ANDERSON RD	FORRESTVILLE, CA	95436	887 7950
126	KC6SSB	FAMILY#1	MICHAEL L BRYANT	2625 FIR PARK WAY	SANTA ROSA, CA	95404	526 7609
127	KC6SSC	FAMILY	TYLER M BRYANT	2625 FIR PARK WAY	SANTA ROSA, CA	95404	526 7609
128	KC6SSE	FULL	MICHAEL DRANGINIS	601 BUENA VISTA DR	SANTA ROSA, CA	95404	523 4373
129	KC6SSF	FULL	DAVID S JACKSON	1451 KEISER AVE	SANTA ROSA, CA	95404	584 1386
130	KC6SXN	FAMILY	SHIRLEY WALLACK	PO BOX 1115	KENWOOD, CA	95452	833 1873
131	K6TCD	FULL	BILL MEYER	6516 MEADOWGREEN PL	SANTA ROSA, CA	95409	539 1489
132	KA6THB	FULL	BOB DAWSON	225 DECKER ST	SANTA ROSA, CA	95401	542 4885
133	DJ6TJ	FULL	HANS BERG	MENGSTRASSE 37	2400 LUEBECK, GERMANY		
134	W6TLK	FAMILY#1	JOHN WALLACK	PO BOX 1115	KENWOOD, CA	95452	833 1873
135	WB6TMM	FAMILY	LINDA PARKER	130 PAULSEN LANE	PETALUMA, CA	94952	778 0758
136	WB6TMY	FULL	TRACY REESE	PO BOX 4694	SANTA ROSA, CA	95402	527 8124
137	WB6TSO	FULL	JOE AJAX	179 PRICE WAY	FOLSOM, CA	95630	916 983 3460
138	WB6UAZ	FAMILY	KATHI BOYETT	1326 DOGWOOD DRIVE	SANTA ROSA, CA	95403	544 7943
139	KB6UCM	FULL	HAROLD BALDWIN	1459 JAHN DR #2	SANTA ROSA, CA	95401	
140	N6UMC	FULL	VINCE T. MIGLIORE	1525 PETERSON LANE	SANTA ROSA, CA	95403	526 4506
141	KB6UOJ	FULL	TOM HITCHCOCK	3411 SIDNEY SQUARE	SANTA ROSA, CA	95405	544 0911
142	KC6URO	FAMILY	. GAUGER	1627 FURLONG RD	SEBASTOPOL, CA	95472	829 2599
143	KB6UWY	FULL	RALPH HYDE	1803 AUSTIN WAY	SANTA ROSA, CA	95404	528 0726
144	KB6UXB	FULL	ALBERT BRANSON	1721 GREENEICH AVE	SANTA ROSA, CA	95401	526-7601