



HANK'S SWAP SHOP

Hank Davis, W6DTV 7822 Washington Avenue
Phone 823-7885 Sebastopol, CA 95472
(Noncommercial ham ads are printed for free)

KOALA PAD touch tablet for Commodore 64 \$20
Hank W6DTV 823-7885.

HEATH HW-202 2 meter transceiver \$20.
HEATH 2M Amp 50W \$30. Manuals for both.
YAESU FTDX400 transceiver, manual, speaker,
patch, desk mic \$200. Bud KD6XF 762-2119.

COMMODORE 64C, 1541 disk drive, 1701
monitor, SG 10C Star dot-matrix printer,
software. Inquire. Jack W6NGZ 579-8061.

WANT: 10A 12V pwr supply, Bob WA600I 542-2663

WANT: Solid-state HF transceiver. John
W6CCY 823-1357.

KENWOOD TR-2500, manual, AA bat case, stand
and charger, encoder, drop-in charger,
mic/spkr \$250. Phil N600A 838-2912.

HALLICRAFTERS SX-101 ham-band receiver,
manual. Sell or trade. Want continuous-
coverage receiver. Tony Virgillio 528-1811.

ROHN 55 10' tower sections. 4 for \$95.
Doug WA6QCL 463-1701.

KENWOOD TS-520S transceiver, spare finals,
driver and DS-2 for mobile use, MC-50 desk
mic \$325. Bob K6XZ 539-1693.

WANT: Drake RV3 remote VFO for TR3. David
KC6IGT 839-4567.

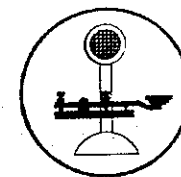
ICOM 2AT 2 meter transceiver, 2 bat. and
wall charger \$150. John W6TLK 833-1873. ■

Sonoma County Radio Amateurs, Inc.
PO Box 116
Santa Rosa, CA 95402

ADDRESS CORRECTION REQUESTED

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SHORT SKIP



Sonoma County Radio Amateurs, Inc.

MAY 1990

Club Station
W6LFJ

P.O. Box 116
Santa Rosa, CA 95402

Repeater Station
WB6PVS

VOL 15 # 5

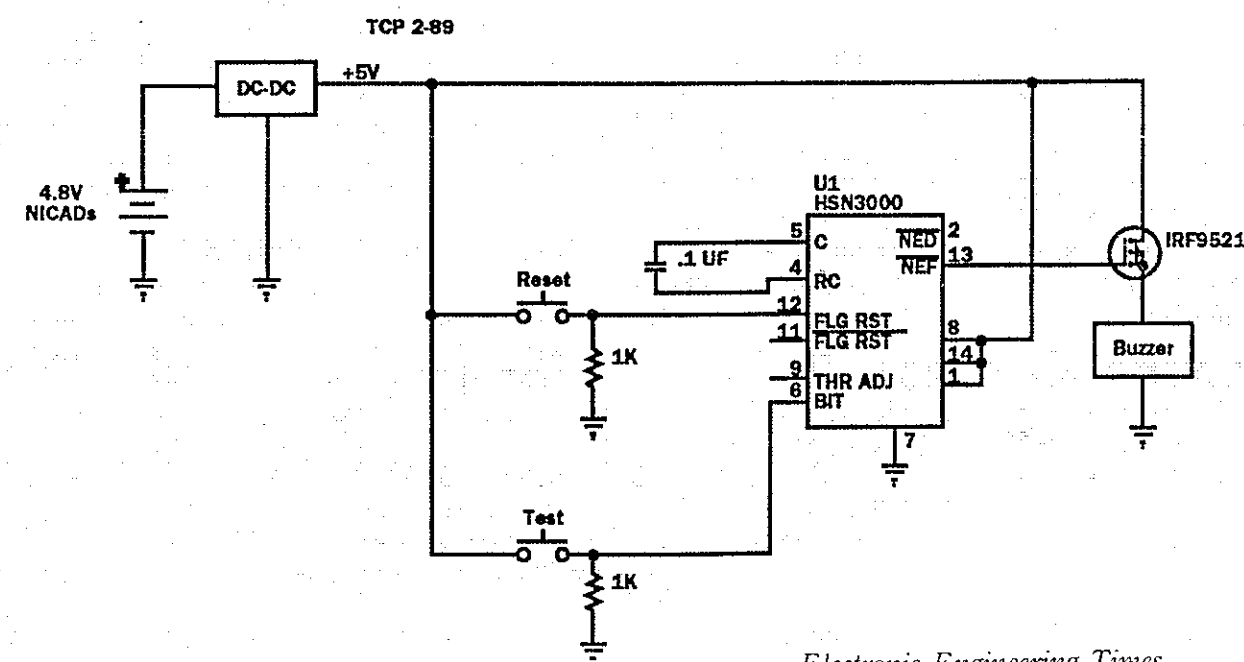
WINNER - 1990 SCRA HOMEBREW CONTEST

Personal nuclear event detector

The HSN-3000 (\$3,000 in single-piece quanti-
ties) has a buzzer for warning you of impend-
ing doom, plus a TEST button to make sure
you're prepared, and a RESET button so you
can get ready for the second wave of ICBMs.
It's designed for the man or woman who has

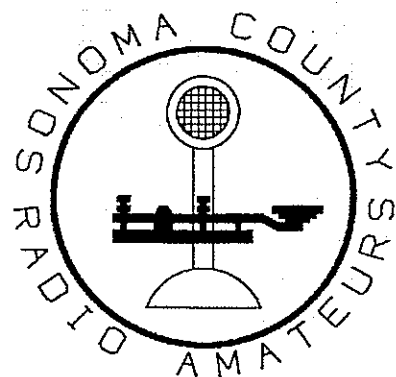
everything, but wants to know when it doesn't
matter anymore.

Tom Paden, EE
Serono Baker Diagnostics
Allentown, Pa.



Electronic Engineering Times

(WELL, YOU KNEW THERE WAS A REASON THE HOMEBREW CONTEST IS IN APRIL.)



OFFICERS FOR 1990

PRESIDENT: John Wallack W6TLK 833-1873
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 +WD6CKP WB7CNJ WB6FRZ WA8LLY

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AWARDS: Steve Lund WA8LLY 823-4544

VEC EXAMS: Steve Lund WA8LLY 823-4544

+N1AL WN6D WW6D WW6F WB6FRZ K6UXO

REFRESHMENTS @ MEETINGS: Bob Olsten WD6DPE

GREETER AT MEETINGS: Jane Vanderslice N6NTB

MEMBERSHIP LOTTERY: Bob Scolnick K6GEV

QSL MANAGER: Doug Bender WW6D

REPEATER CONTROL OP'S:

WD6CKP Hoppy 542-6750 N6ONZ Garry 584-3425

WB6PER Jim 526-2972 W6TLK John 833-1873

WB6UAZ Kathi 544-7943 WN6D Jim 544-7943

N6PTM Jim 823-7947

PACKET COMM: AT N1AL, Jim WN6D, Rich KA6SSL

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 (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 7:00 PM. You will hear the latest Westlink Amateur Radio News broadcast, announcements of SCRA activities, and a Swap Shop. If you would like to join SCRA, please refer to the dues listed below. Hope to have an "eyeball" QSO with you at the next meeting! 73 ...

CLUB MEETINGS:

7:30 PM, 1st Wednesday each month at the EOC (Emergency Operations Center, see map below) Anyone interested in ham radio is welcome.

NEXT MEETING: May 2, 1990

PROGRAM: Travelogue on a trip to ARRL Headquarters by John W6TLK.

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

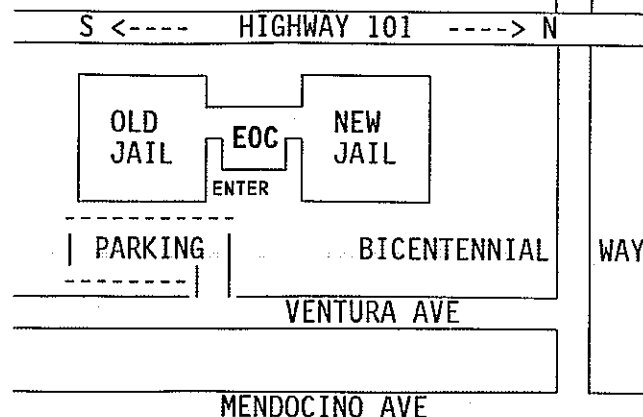
SHORT SKIP ADVERTISING RATES:

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



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ANTENNA EXPERT NEEDED

Are there any antenna experts out there? I have several questions on the design and operation of loop antennas. I've had a lot of luck with full-wave loop designs for a single band -- both delta and quad for the 10-meter band. Now I want to make a 2-band antenna, for 10 and 20 meters, or possibly 10 and 15 meters. Conventional designs show the configuration in Figures 1-A and 2-A.

My questions are:

1. Can a two-band loop employ a common side? In other words, can I make a double loop that is not concentric, and that shares one leg for the two different frequencies? (As in Figures 1-B and 2-B.)
2. If the smaller loop is half the length of the larger one, will radiation occur on both loops? If so, will the radiation patterns interfere?
3. If interference does occur from one loop to another, would, say, 10 and 15 meters be a better choice?
4. If cross-coupling is a problem, would separate transmission lines help?

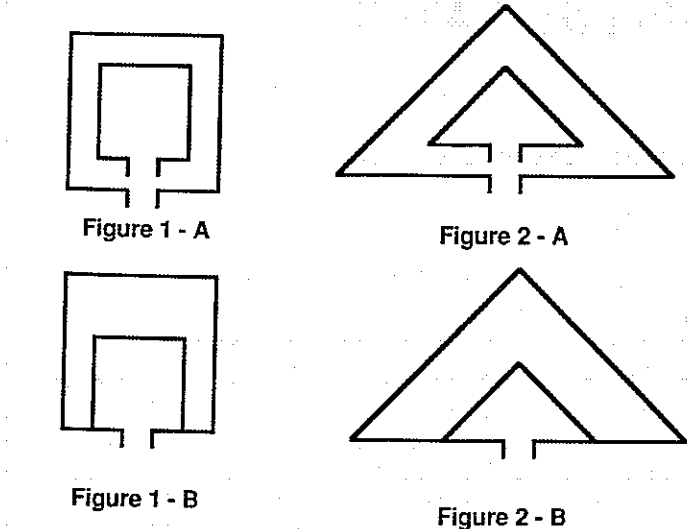
If you can shed some light on this problem, please feel free to write me at 1525 Peterson Lane, Santa Rosa, CA 95403, or call (707) 795-9444, days. [Ed note - and send a copy to *Short Skip!*]

Thanks, Vince N6UMC

NIAL's comments:

Most multiband quad antennas I have seen have the driven elements fed with separate coaxes. Otherwise, the unused loops will mess up the feedpoint impedance.

A conventional one-wavelength-long 20 meter loop might also work on 10M. On 10M, it is 2 wavelengths long and should be directional in the plane of the loop (at right angles to the 20 meter directivity).



SANTA MARIA SWAPFEST

The Satellite ARC will sponsor a radio swapfest on June 17, 1990 at Unocal's Newlove Picnic Grounds S of Santa Maria off US 101. Tables available 7:30 AM, gates open 9 AM, Dinner 1 PM. Talk-in 146.34/94. Spaces \$3.50, dinner \$7.50 or \$3.50 kids. Mail orders to Santa Maria Swapfest, POB 2067, Orcutt, CA 93457-2067.

AMATEUR RADIO CALLSIGNS

FCC callsign assignments as of April 1:

Group A	Group B	Group C	Group D
Extra	Advanced	Tech--Gen	Novice
AA6UY	KK6IS	N6YJC	KC6JX0

All 2-by-1 format callsigns have been assigned in the 6th call area. 2-by-2 callsigns from the AA - AK prefix block are now being assigned to Extra Class licensees.

Group C calls are almost exhausted in the 6th call area. FCC announced on December 27 that Group D calls will be assigned to Technician/General licensees when Group C calls in the "N" series are depleted.

Data obtained from "W5YI Report" by K2GKK. Tnx KJ6FY-1 PBBS.

NETWORK NOVELTIES

With the advent of computer bulletin board systems and other computer information-sharing networks, hackers, nerds and other computer types of varying degrees of seriousness (silliness) began reaching out to touch one another over these linkages.

To avoid being "flamed" when someone takes offense at a comment that was intended to be lighthearted, some networker devised the smiley face. You affix it to the end of the text to show it was meant to be humorous. Like this: :-)

Okay, so it's sideways. It was improvised from characters available on all standard non-graphics computer terminals. Be thankful you can turn the page around to see it. Imagine the difficulties the computerniks have turning over their terminals.

Naturally, the next step was the frowny face for when someone sends off an angry message and wants everyone to know he is honked off. Like this: :-)

And of course, the computerniks, being intelligent, inventive (and bored), soon came up with a raft of variants:

;-)	Being sly	:~o	Shocked
#~)	Partied all nite	= :-)	Abe Lincoln
*)	Drunk	=):-~	Uncle Sam
~)	Falling asleep	o~)	Cyclops
)	Cheshire cat
:~o		8~)	Gorilla
:~o	Barbershop	8)	Frog
:~o	quartet	(~:	Australian
:~o		(~:~)	Two-faced
		3~)	Cow
:~*	Ate sour pickle	+0~)	The Pope
:~()	Has a mustache]~)	The Devil
:~)	Has a beard	/~)	Gumby
o~)	Has a halo	b~)	Pirate
8~)	Wears glasses	o{~<	Man
B~)	Wears sunglasses	o3~<	Woman
0~)	Wears scuba mask	:~(*)	Sick
d~)	Baseball player	=~)	Punk rocker
>~*)	Bozo the Clown	?~)	GQ

This collection was compiled by Carl Snyder, and appeared in *WINDOWS*, distributed internally at Lawrence Livermore Labs. Tnx Jim AA6F in Stockton ARC *Fly Sheet*.

Jim Peimulder
N6PTM

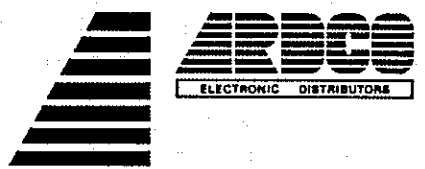
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**COMING
EVENTS:**

SCARS NET: 146.73 MHz
Tuesdays at 7 PM.

VE EXAMS HOTLINE NR:
408-984-8353

APRIL:
29 - March of Dimes Walkathon

MAY:
2 - SCRA meeting 7/7:30 PM
5 - SRCC Wine Century Bike Tour
5 - Special Olympics, SRJC
5 - Lake County Swap Meet
5-6 - 10-10 CW QSO Party
7 - RACES etc. Net 7:30 PM
12 - Foothill College Flea Market
17 - CDF/VIP Meeting 7:30 PM
18 - Deadline for June *Short Skip*
21 - RACES etc. Net 7:30 PM
21 - Armed Forces Day
26-27 - CQ Worldwide Prefix Contest, CW

JUNE:
4 - RACES etc. Net 7:30 PM
6 - SCRA meeting 7/7:30 PM
9 - Foothill College Flea Market
15 - Deadline for July *Short Skip*
17 - Santa Maria Swapfest
18 - RACES etc. Net 7:30 PM
21 - CDF/VIP Meeting 7:30 PM
23 - "Terrible Two" Bike Tour
23-24 - Field Day

JULY:
2 - RACES etc. Net 7:30 PM
4 - SCRA meeting 7/7:30 PM
14 - Foothill College Flea Market
13 - Deadline for August *Short Skip*
14-15 - CQ Worldwide VHF Prefix Contest
16 - RACES etc. Net 7:30 PM
19 - CDF/VIP Meeting 7:30 PM

AUGUST:
1 - SCRA meeting 7/7:30 PM
6 - RACES etc. Net 7:30 PM
11 - Foothill College Flea Market
16 - CDF/VIP Meeting 7:30 PM
17 - Deadline for September *Short Skip*

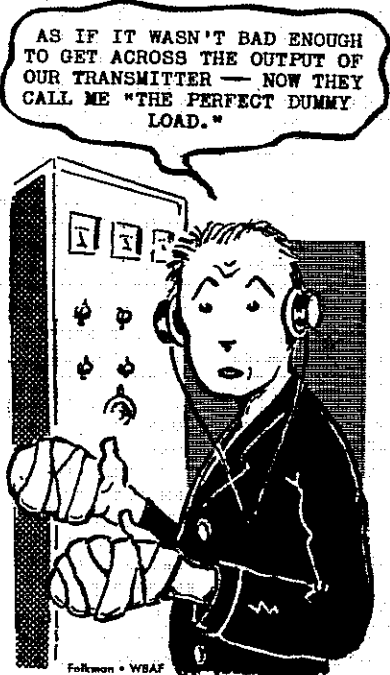
20 - RACES etc. Net 7:30 PM

SEPTEMBER:
3 - RACES etc. Net 7:30 PM
5 - SCRA meeting 7/7:30 PM
8 - Foothill College Flea Market
14 - Deadline for October *Short Skip*
15 - SCRA Flea Mart, Seb. Holy Ghost Hall
17 - RACES etc. Net 7:30 PM
20 - CDF/VIP Meeting 7:30 PM
29-30 - CQ Worldwide RTTY Contest

OCTOBER:
1 - RACES etc. Net 7:30 PM
3 - SCRA meeting 7/7:30 PM
15 - RACES etc. Net 7:30 PM
18 - CDF/VIP Meeting 7:30 PM
19 - Deadline for November *Short Skip*
27-28 - CQ Worldwide DX Contest, Phone

NOVEMBER:
5 - RACES etc. Net, 7:30 PM
7 - SCRA meeting 7/7:30 PM
16 - CDF/VIP Meeting 7:30 PM
16 - Deadline for December *Short Skip*
19 - RACES etc. Net, 7:30 PM
24-25 - CQ Worldwide DX Contest, CW

DECEMBER:
3 - RACES etc. Net, 7:30 PM
14 - Deadline for January *Short Skip*
17 - RACES etc. Net, 7:30 PM
20 - CDF/VIP Meeting 7:30 PM
31 - ARRL Straight Key Night



**AMATEUR EXAMS
IN NORTHERN CA**

UNLICENSED-EXTRA:
1. WALK-INS ONLY
2. SOME WALK-INS
3. PRE-REG. PREFERRED
4. PRE-REGISTER ONLY

UNLICENSED-TECH ONLY:
A. WALK-INS ONLY
B. SOME WALK-INS
C. PRE-REG. PREFERRED
D. PRE-REGISTER ONLY

APR 19 LOS ALTOS H. 7 PM A 408 255-9000
APR 21 MORGAN HILL--11 AM 1 408 255-9000
APR 21 CUPERTINO-----9 AM 1 408 243-8349
APR 21 NEVADA CITY---NOON 3 916 273-2326
APR 21 MERCED-----9 AM 3 209 883-2968
APR 23 LOS GATOS-----7 PM 1 408 294-3575
APR 28 SAN CARLOS---11 AM 1 408 255-9000
APR 28 STOCKTON--11:30 AM 1 408 255-9000
APR 28 RICHMOND-----9 AM 1 415 234-0717
MAY 05 CUPERTINO-----9 AM 1 408 243-8349
MAY 05 SAN LUIS OB.--9 AM 1 805 528-0703
MAY 12 LOS ALTOS HILLS ***FLEA MARKET***
MAY 12 EXAMS-SEE SUNNYVALE-----
MAY 12 SUNNYVALE----11 AM 1 408 255-9000
MAY 12 REDDING-----? -- ? 916 243-7382
MAY 19 CUPERTINO-----9 AM 1 408 243-8349
MAY 20 PORTERVILLE---2 PM 1 408 255-9000
MAY 20 SUNNYVALE----11 AM 1 408 255-9000
MAY 31 SACRAMENTO-6:30 PM D 916 483-3293
JUNE 02 CONCORD----1:30 PM 1 408 255-9000
JUNE 02 CUPERTINO-----9 AM 1 408 243-8349
JUNE 02 SOUTH S.F.---10 AM 3 415 333-1916
JUNE 02 SACRAMENTO---9 AM 4 916 483-3293
JUNE 07 MODESTO----6:30 PM 1 209 883-2968
JUNE 09 LOS ALTOS HILLS ***FLEA MARKET***
JUNE 09 EXAMS-SEE SUNNYVALE-----
JUNE 09 SUNNYVALE----11 AM 1 408 255-9000
JUNE 09 STOCKTON--11:30 AM 1 408 255-9000
JUNE 09 NOVATO-----9 AM 1 415 897-8950
JUNE 09 SANTA MARIA---8 AM ? 805 937-4220
JUNE 16 CUPERTINO-----9 AM 1 408 243-8349
JUNE 17 SUNNYVALE----11 AM 1 408 255-9000
JULY 01 CLEARLAKE----11 AM 1 408 255-9000
JULY 08 HANFORD-----NOON 1 408 255-9000
JULY 14 LOS ALTOS HILLS ***FLEA MARKET***
JULY 14 SUNNYVALE----11 AM 1 408 255-9000
JULY 14 STOCKTON--11:30 AM 1 408 255-9000
JULY 14 REDDING-----? ? 916 243-7382
JULY 21 MONTEREY-----9 AM 1 408 624-2564
JULY 29 SUNNYVALE----11 AM 1 408 255-9000

SUNNYVALE VEC, BOX 60142, SUNNYVALE CA 94088
UPDATES & CORRECTIONS TO: SP W6NLG @ KA6JLT

**DX
NEWS**

FROM THE DXCC DESK. Do not submit QSL cards for Walvis Bay before June 1.

MARION ISLAND. ZS8MI has returned to South Africa.

ANGOLA. D2/LU6ELF ceased operations Mar 28.

BANGLADESH. K5VT is in Katmandu, Nepal. No word except that his triband beam was lost and he will be using dipoles when and if he is able to get on the air. Japanese operators are expected to once again activate demonstration station S21U on April 15, SSB only. QSL to JH1AJT.

THAILAND. Another new club station, HS0SM, is active from the science museum in Bangkok on 40 to 10 meters, CW and SSB. The station has a kilowatt and a seven element Yagi at 110 ft. WA4BCQ is QSL manager.

TRINIDADE. The Natal DX group will, according to PS7KM, mount a DXpedition starting the first of June and lasting until the last week of July. 10-160 meters, including 12 and 17 meters, on SSB and CW. No RTTY.

Thanks to W1AW, Bob WB2CJL and the Western New York DX Assn. for the above info.

PROBLEM SOLVING FLOW SHEET

```
graph TD
    Q1{DOES THE THING WORK?} -- YES --> A1[Don't Mess With It]
    Q1 -- NO --> Q2{Did You Mess With It?}
    Q2 -- YES --> Q3{You Dumb Jerk}
    Q2 -- NO --> Q4{DOES ANYONE KNOW?}
    Q3 --> Q4
    Q4 -- YES --> Q5{You Poor Fool}
    Q4 -- NO --> Q6{HIDE IT}
    Q5 --> Q7{CAN YOU BLAME SOMEBODY ELSE?}
    Q7 -- YES --> Q8{No Problem}
    Q7 -- NO --> Q6
    Q6 --> Q8
    Q8 --> Q9{TRASH IT}
```

TMX BILL K6TCD

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Page 5

MAILING LIST, SCRA:

#	CALL	CLASS	NAME	ADDRESS	TOWN	ZIP	PHONE
1		SPONSOR	PAUL ROVIRA	1134 BAYWOOD #78	PETALUMA, CA	94954	763 4613
2	KC6BRL	SPONSOR	GEORGE WENZLAFF	PO BOX 491	OCCIDENTAL, CA	95465	874 2713
3		SPONSOR	KATHLEEN WRIGHT	320 CANDLELIGHT DR	SANTA ROSA, CA	95403	571 8262
4	WA6ACX	FAMILY#1	DON OSBORNE	25005 RIDGE RD	WILLITS, CA	95490	459 3980
5	N6AHA	FULL	RON CASTRO	152 BANFF WAY	PETALUMA, CA	94954	763 4273
6	W6AHH	FULL	ROBERT D. BROWNE	2339 MEYERS DRIVE	SANTA ROSA, CA	95403	542 2756
7	N1AL	FULL	AL BLOOM	1578 LOS ALAMOS RD	SANTA ROSA, CA	95409	538 7115
8	N6AVD	FULL	L. PAUL DIXON	18759 KING CT	SONOMA, CA	95476	938 1472
9	KK6BK	FULL	S LEWIS NEWTON	4620 ROCK MEADOW PLACE	SANTA ROSA, CA	95405	538 1370
10	W6BNB	FULL	BOB SHRADER	11911 BARNETT VALLEY RD	SEBASTOPOL, CA	95472	823 9122
11	KC6BSI	FULL	PHILIP GAUL	739 WHEELER	SANTA ROSA, CA	95404	544 2572
12	K6BWX	FULL	DICK MADDUX	2435 MURDOCK DR	SANTA ROSA, CA	95404	578 8825
13	KA6BYX	FULL	JAMES HOBART	2053 HUMBOLT ST	SANTA ROSA, CA	95404	546 3225
14	AG6C	FAMILY	BETTY BRAVIN	3411 COFFEY LANE	SANTA ROSA, CA	95403	542 6750
15	W6CCY	FULL	JOHN LYNCH	6710 NICOLE CT	SEBASTOPOL, CA	95472	823 1357
16	WD6CKP	FAMILY#1	HOPPY BRAVIN	3411 COFFEY LANE	SANTA ROSA, CA	95403	542 6750
17	WB7CNJ	FAMILY#1	ROBERT R. WRIGHT M.D.	320 CANDLELIGHT DR	SANTA ROSA, CA	95403	571 8262
18	WN6D	FAMILY	JIM BOYETT	1326 DOGWOOD DRIVE	SANTA ROSA, CA	95403	544 7943
19	N6DDK	FULL	CHUCK SABIN	8345 BRAND LANE	PENNGROVE, CA	94951	795 2371
20	WA6DGK	FULL	LEWIS KIMBALL	719 BONNIE AVE	ROHNERT PARK, CA	94928	795 3858
21	N1DJE	FULL	MIKE WEIHMANN	7260 GROVE CT	SONOMA, CA	95476	
22	KA6DJY	FAMILY	JOHN KOBOLD	2433 APPLETREE DR	SANTA ROSA, CA	95401	544 5330
23	WD6DPE	FULL	BOB OLSTEN	3723 ARIZONA DR	SANTA ROSA, CA	95405	546 5593
24	W6DTV	FAMILY#1	HENRY DAVIS	7822 WASHINGTON AV	SEBASTOPOL, CA	95472	823 7885
25	WD6DXW	FULL	BILL THOMAS	5341 THOMAS RD	SEBASTOPOL, CA	95472	823 9429
26	K6EAN	FULL	BOB BENDT	18 TERRACE DR	COTATI, CA	94931	792 1525
27	W2EBG	FAMILY#1	GENE JOHNSON	2437 WIDGEON CT	SANTA ROSA, CA	95401	578 3104
28	WD6EVL	FULL	GARY N. MARESH	1867 JONIVE RD	SEBASTOPOL, CA	95472	874 3779
29	N6FAX	FAMILY	SARAH DAVIS	7822 WASHINGTON AV	SEBASTOPOL, CA	95472	823 7885
30	WD6FMG	FULL	HERB UPHAM	4747 VINE HILL RD	SEBASTOPOL, CA	95472	823 1251
31	WB6FRZ	FULL	JOHN BRECKENRIDGE	574 WILD OAK DR	WINDSOR, CA	95492	838 6398
32	KF6FX	FAMILY	IRMA OSBORNE	25005 RIDGE RD	WILLITS, CA	95490	459 3980
33	NR6G	FULL	ARTHUR J. HALL	5555 MONTGOMERY DR #68	SANTA ROSA, CA	95409	579 6923
34	K6GEV	FULL	ROBERT W. SCOLNICK	900 LIBERTY ROAD	PETALUMA, CA	94952	762 8874
35	NH6GF	FULL	GRANT W. CANFIELD	1950 WEST DRY CREEK RD	HEALDSBURG, CA	95448	431 7706
36	N6GHG	FULL	BILL SPLAINE	1360 FOOTHILL DR	HEALDSBURG, CA	95448	431 8636
37	KB6GIU	FULL	CURTIS BRAUCHER	7319 WOODSIDE DR	STOCKTON, CA	95207	209 477 3279
38	KC6GJF	FULL	DOUG LASH	1738 KERRY LANE	SANTA ROSA, CA	95403	573 1738
39	KB6GOZ	FULL	JOHN BURKE	433C ALASKA DRIVE	PETALUMA, CA	94952	765 1352
40	N6GTF	FAMILY	HELEN DETTLING	PO BOX 962	PETALUMA, CA	94953	762 4087
41	W6GYY	FAMILY#1	JIM T. HALL	20747 TEMELEC DR	SONOMA, CA	95476	938 1559
42	N6GZV	FAMILY#1	MAY KOBOLD	2433 APPLETREE DR	SANTA ROSA, CA	95403	544 5330
43	WD6HCX	FAMILY	JUNE HALL	20747 TEMELEC DR	SONOMA, CA	95476	938 1559
44	KA6HGW	FULL	BART HOLMES	2818 COCHINA CT	SANTA ROSA, CA	95401	528 3955
45	KB6HXS	FULL	AURELIA F ANDERSON	617 G STREET	PETALUMA, CA	94952	762 2348
46	KJ6HY	FULL	BILL PATTERSON	2307 MAHER DR #5	SANTA ROSA, CA	95405	546 4787
47	KD6IB	FULL	PAUL R. PHILLIPS	151 ALDERBROOK DR	SANTA ROSA, CA	95405	546 6986
48	N6INC	FULL	MICHAEL L MC CLENDON	2543 TUSCAN DR	SANTA ROSA, CA	95405	575 8780
49	KB6IOT	FULL	OLIVER KILBEY	2985 FULTON RD	FULTON, CA	95439	545 8175
50	N6IRJ	FAMILY#1	SUSAN RUTHERFORD	PO BOX 222	KENWOOD, CA	95452	526 2972
51	W6ITU	FULL	WALTER J DONAHUE	400 MONTEGO KEY	NOVATO, CA	94949	415 883 6197
52	K16JC	FULL	RAUL TAIBO	PO BOX 27	VINEBURG, CA	95487	938 9175
53	K16KE	FULL	JAMES A. JOHNSTON	400 TWIN LAKES CIRCLE	SANTA ROSA, CA	95409	538 2857
54	N6KIJ	FULL	KEN PERRY	21791 BONNESS RD	SONOMA, CA	95476	938 3114
55	W6KNO	FULL	JACK JACKSON	18 HIGHGATE RD	KENSINGTON, CA	94707	524 8911
56	KB6KTX	FAMILY	BEA JOHNSON	2437 WIDGEON CT	SANTA ROSA, CA	95401	578 3104
57	KB6KUI	FAMILY	JEREMY LIGHT	829 SONOMA AVE #7	SANTA ROSA, CA	95404	527 0456
58	W6LCZ	FULL	KEN CHRISTENSEN	2615 RANCHO CABEZA DR	SANTA ROSA, CA	95404	542 2716
59	W6LGQ	FULL	ART HAGOPIAN	34 LAUREL AVE	PETALUMA, CA	94952	762 2132
60	WA8LLY	FULL	STEVE LUND	PO BOX 476	GRATON, CA	95444	823 4544
61	K16LS	FULL	REN BACULO	5599 INVERNESS AVE	SANTA ROSA, CA	95404	584 8320
62	W6MED	FULL	ALLAN CHAPMAN	5602 RATERS DRIVE	SANTA ROSA, CA	95409	538 4935
63	N6MGY	FULL	WILBUR DALE	4030 BARNES RD	SANTA ROSA, CA	95403	528 1911
64	N6MHG	FULL	KEN HARRISON	4005 FRANKS CT	SANTA ROSA, CA	95405	579 1230
65	WB6MJB	FULL	FOSTER (BUD) LOCKWOOD	47 WAMBOLD LANE	PETALUMA, CA	94952	792 1444
66	VP2ML	FULL	CHOD HARRIS	3201 FRANZ VALLEY RD	SANTA ROSA, CA	95404	526 2198
67	N6MRV	FAMILY#1	DALE C. VAWTER	1350 GASPAR CT	ROHNERT PARK, CA	94928	584 4670
68	N6MSG	FULL	CLYDE ANDERSON	534 PARQUET	SEBASTOPOL, CA	95472	823 4830
69	K6MZ	FULL	LYLE ANDERSON	10625 CANYON RD	FORESTVILLE, CA	95436	887 2166
70	KB6MZE	FULL	JANET GREENE	1158 HARVARD DR	SANTA ROSA, CA	95405	578 0242
71	W6NGZ	FULL	JACK REEDER	3595 BLACKHAWK CIR	SANTA ROSA, CA	95403	579 8061
72	N6MSG	FAMILY	CANDY VAWTER	1350 GASPAR CT	ROHNERT PARK, CA	94928	584 4670
73	N6NTB	FULL	JANE VANDERSLICE	1433 GOLD WAY	ROHNERT PARK, CA	94928	584 0145
74	KB6NVJ	FULL	JOHN HALL	813 MAPLE DR	PETALUMA, CA	94954	762 5198
75	KA1NVR	FAMILY	NORMA KERWIN	PO BOX 1309	FORESTVILLE, CA	95436	887 7843

76	K16NY	FULL	CAL CORNILLS	3638 SHELTER CREEK DR	NAPA, CA	94558	255 8554
77	KA7NZO	FULL	LEE SNYDER	19415 REDWOOD DR	MONTE RIO, CA	95462	865 1269
78	N6OH	FULL	WALT BRUUN	PO BOX 283	PETALUMA, CA	94953	763 0476
79	N6OJC	FULL	CHUCK FROUNFELKNER	PO BOX 800	GUALALA, CA	95445	884 4705
80	WA6OLW	FULL	BILL WATERS	115 SUMMER WHEAT RD	WINDSOR, CA	95492	838 0543
81	N6ONZ	FULL	GARRY PALMER	333 E. ROBLES AVE	SANTA ROSA, CA	95407	584 3425
82	N6OOA	FULL	PHILIP SCHLEYER	8105 B ST.	WINDSOR, CA	95492	838 2912
83	K16PD	FULL	HANS G. SORENSEN	9684 OCONNELL RD	SEBASTOPOL, CA	95472	823 2091
84	WB6PDP	FULL	JOEL POTTS	4355 PANORAMA DR	SANTA ROSA, CA	95404	545 0285
85	WB6PER	FAMILY	JIM RUTHERFORD	PO BOX 222	KENWOOD, CA	95452	526 2972
86	KB6PTA	FULL	TED L. DECROFF	1044 MERCED AVE	SANTA ROSA, CA	95407	542 4008
87	N6PWV	FULL	KEN RAWLES	613 HEWET ST	SANTA ROSA, CA	95401	546 9241
88	WA6PXW	FAMILY#1	FRANK DETTLING	PO BOX 962	PETALUMA, CA	94953	762 4087
89	N6PXY	FAMILY#1	ROBERT BOWMAN	1395 EASTMAN LANE	PETALUMA, CA	94952	763 3547
90	WA6QCL	FULL	DOUG DORMAN	1681 CARRIGAN LANE	UKIAH, CA	95482	463 1701
91	W6QYB	FULL	RODOLF G (BOB) BARTON	326 ENGLISH ST #D	PETALUMA, CA	94952	765 9314
92	AA6RD	FULL	LARRY STEWART	PO BOX 941	SANTA ROSA, CA	95402	838 9689
93	W6RIA	FAMILY#1	WAYNE LIGHT	829 SONOMA AVE #7	SANTA ROSA, CA	95404	527 0456
94	N6RIG	FULL	CLYDE UNDERWOOD	1103 NAVARRO ST	SANTA ROSA, CA	95401	527-5468
95	N6RMW	FULL	BOB PHILLIPS	1508 PLUMERIA DR	SANTA ROSA, CA	95403	542 5209
96	N6RYA	FULL	STEVEN J. R. CONSANI	1140 OLIVE ST	SANTA ROSA, CA	95407	545 2010
97	N6RYA	FULL	STEVE BECK	5643 VERNI RD	SEBASTOPOL, CA	95472	823 5882
98	WA6SEU	FULL	PHIL RICHARDSON	3613 CYPRESS WAY	SANTA ROSA, CA	95405	527 0935
99	WB6SMY	FULL	LYMAN WILTSHIRE	1000 ADOBE CANYON RD	KENWOOD, CA	95452	833 2000
100	K6SRD	FULL	LOWELL LUX	4567 BRIGHTON DR	SANTA ROSA, CA	95403	546 7099
101	K6TCD	FULL	BILL MEYER	6516 MEADOWGREEN PL	SANTA ROSA, CA	95409	539 1489
102	KA6THB	FULL	BOB DAWSON	225 DECKER ST	SANTA ROSA, CA	95401	542 4885
103	DJ6TJ	FULL	HANS BERG	MENGSTRASSE 37	2400 LUEBECK, W. GERMANY		
104	W6TLK	FULL	JOHN WALLACK	PO BOX 1115	KENWOOD, CA	95452	833 1873
105	N6TMV	FAMILY	BARBARA BOWMAN	1395 EASTMAN LN	PETALUMA, CA	94952	763 3547
106	WB6THY	FULL	TRACY REESE	PO BOX 4694	SANTA ROSA, CA	95402	527 8124
107	WB6TSO	FULL	JOE AJAX	179 PRICE WAY	FOLSOM, CA	95630	916 983 3460
108	WB6UAZ	FAMILY#1	KATHI BOYETT	1326 DOGWOOD DRIVE	SANTA ROSA, CA	95403	544 7943
109	KB6UCM	FULL	HAROLD BALDWIN	110 11th ST	SANTA ROSA, CA	95401	527 0868
110	N6UMC	FULL	VINCE T. MIGLIORE	1525 PETERSON LANE	SANTA ROSA, CA	95403	538 7152
111	KB6UOJ	FULL	TOM HITCHCOCK	3411 SIDNEY SQUARE	SANTA ROSA, CA	95405	544 0911
112	N6URM	FULL	JAY ALAN BOLTON	PO BOX 40	DUNCANS MILLS, CA	95430	865 1678
113	KB6UWY	FULL	RALPH HYDE	1803 AUSTIN WAY	SANTA ROSA, CA	95404	528 0726
114	N6UXC	FULL	DUANE E. TAYLOR	1779 WEST 3rd ST	SANTA ROSA, CA	95401	527 8920
115	K6UXO	FAMILY#1	KENNETH H KERWIN II	PO BOX 1309	FORESTVILLE, CA	95436	887 7843
116	N6VUD	FULL	ALAN JUDD	615 CODDINGTON Ctr#175	SANTA ROSA, CA	95401	575 1736
117	N6WEZ	FULL	JON MARTENSEN	19339 5TH ST W	SONOMA, CA	95476	938 9852
118	KE6WL	FULL	BRIAN KOTZIAN	2601 MCBRIDE #4	SANTA ROSA, CA	95403	528 3004
119	KD6XF	FULL	BUD BARTLETT	35 MISSION DR	PETALUMA, CA	94952	763 2119
120	K6XZ	FULL	ROBERT CRAIG	5519 EL ENCANTO CIRCLE	SANTA ROSA, CA	95409	539 1693
121	WA6YTU	FULL	BOB E. DAVIS	305 EAST SPAIN ST.	SONOMA, CA	95476	938 2033
122	KB6ZOL	FAMILY#1	MARK BURNELL	150 POPE COURT	SANTA ROSA, CA	95405	575 5332
123	WA2ZPQ	FULL	MICHAEL FERRARA	987 STANISLAUS WAY	SANTA ROSA, CA	95401	526 7376

JOE AJAX	WB6TSO	ROBERT CRAIG	K6XZ	ALAN JUDD	N6VUD	KEN RAWLES	N6PWV
AURELIA ANDERSON	KB6HXS	WILBUR DALE	N6MGY	NORMA KERWIN	KA1NVR	JACK REEDER	W6NGZ
CLYDE ANDERSON	N6MSG	BOB E. DAVIS	WA6YTU	KENNETH H KERWIN	K6UXO	TRACY REESE	WB6TH
LYLE ANDERSON	K6MZ	HENRY DAVIS	W6DTV	OLIVER KILBEY	KB6IOT	PHIL RICHARDSON	WA6SE
REN BACULO	K16LS	SARAH DAVIS	N6FAX	LEWIS KIMBALL	WA6DGK	PAUL ROVIRA	
HAROLD BALDWIN	KB6UCM	BOB DAWSON	KA6THB	JOHN KOBOLD	KA6DJY	JIM RUTHERFORD	WB6PE
BUD BARTLETT	KD6XF	FRANK DETTLING	WA6PXW	MAY KOBOLD	N6GZV	SUSAN RUTHERFORD	N6IRJ
BOB BARTON	W6QYB	HELEN DETTLING	N6GTF	BRIAN KOTZIAN	KE6WL	CHUCK SABIN	N6DDK
STEVE BECK	N6RYA	L. PAUL DIXON	N6AVD	DOUG LASH	KC6GJF	PHILIP SCHLEYER	N6OOA
BOB BENDT	K6EAN	WALTER J DONAHUE	W6ITU	JEREMY LIGHT	KB6KUI	ROBERT SCOLNICK	K6GEV
HANS BERG	DJ6TJ	DOUG DORMAN	WA6QCL	WAYNE LIGHT	W6RIA	BOB SHRADER	W6BNB
AL BLOOM	N1AL	TED L. DeCROFF	KB6PTA	BUD LOCKWOOD	WB6MJB	LEE SNYDER	KA7NZ
JAY ALAN BOLTON	N6URM	MICHAEL FERRARA	WA2ZPQ	STEVE LUND	WA8LLY	HANS G. SORENSEN	K16PD
BARBARA BOWMAN	N6TMV	CHUCK FROUNFELKNER	N6OJC	LOWELL LUX	K6SRD	BILL SPLAINE	N6GHG
ROBERT BOWMAN	N6PXY	PHILIP GAUL	KC6BSI	JOHN LYNCH	W6CCY	LARRY STEWART	AA6RD
JIM BOYETT	WN6D	JANET GREENE	KB6MZE	DICK MADDUX	K6BWX	RAUL TAIBO	K16JC
KATHI BOYETT	WB6UAZ	ART HAGOPIAN	W6LGQ	GARY N. MARESH	WD6EVL	DUANE E. TAYLOR	N6UXC
CURTIS BRAUCHER	KB6GIU	ARTHUR J. HALL	NR6G	JON MARTENSEN	N6WEZ	BILL THOMAS	WD6DX
BETTY BRAVIN	AG6C	JIM T. HALL	W6GYY	MICHAEL MC CLENDON	N6INC	CLYDE UNDERWOOD	N6RIG
HOPPY BRAVIN	WD6CKP	JOHN HALL	KB6NVJ	BILL MEYER	K6TCD	HERB UPHAM	WB6FM
JOHN BRECKENRIDGE	WB6FRZ	JUNE HALL	WD6HCX	VINCE MIGLIORE	N6UMC	JANE VANDERSLICE	N6NTB
ROBERT D. BROWNE	W6AHH	CHOD HARRIS	VP2ML	S LEWIS NEWTON	KK6BK	CANDY VAWTER	N6MSG
WALT BRUUN	N6OH	KEN HARRISON	N6MHG	BOB OLSTEN	WD6DPE	DALE C. VAWTER	N6MRV
JOHN BURKE	KB6GOZ	TOM HITCHCOCK	KB6UOJ	DON OSBORNE	WA6ACX	JOHN WALLACK	W6TLK
MARK BURNELL	KB6ZOL	JAMES HOBART	KA6BYX	IRMA OSBORNE	KF6FX	BILL WATERS	WA6OLV
GRANT W. CANFIELD	NH6GF	BART HOLMES	KA6HGW	GARRY PALMER	N6ONZ	MIKE WEIHMANN	N1DJE
RON CASTRO	N6AHA	RALPH HYDE	KB6UWY	BILL PATTERSON	KJ6HY	GEORGE WENZLAFF	
ALLAN CHAPMAN	W6MEO	JACK JACKSON	W6KNO	KEN PERRY	N6K1J	LYMAN WILTSHIRE	WB6SMY
KEN CHRISTENSEN	W6LCZ	BEA JOHNSON	KB6KTX	BOB PHILLIPS	N6RMW	KATHLEEN WRIGHT	
STEVEN CONSANI	N6RXY	GENE JOHNSON	W2EBG	PAUL R. PHILLIPS	KD61B	ROBERT R. WRIGHT	WB7CNJ
CAL CORNILLS	K16NY	JAMES JOHNSTON	K16KE	JOEL POTTS	WB6RDP		