



HANK'S SWAP SHOP

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

WANT: 440/50W FM amp. Art W6LGQ 762-2132.

RADIO SHACK HTX-100 10 meter xcvr \$150.
WANT: 2 meter synthesized, 10W or more.
No xtal. Larry AA6RD 575-4509.

HEATH SCOPE UO-4510, 30 mV, 25 MHz,
pro wired \$200. 408-730-1462.

HEATH SB104 transceiver, no power supply.
YAESU FT101ZD w/FM unit, needs work.
SHURER 444 mic. Bill KA6JLP 823-5652.

WANT: memory keyer. Dan KJ6NZ 538-0609.

RADIO SHACK HTX-100 10 meter xcvr \$180.
Kam KC6NDU 578-7296.

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

ADDRESS CORRECTION REQUESTED

RADIO SHACK TRS-80 model 3, 300 baud, 3
disk drives, graphics board, manual, extra
software \$250. Steve N6RYA 823-5882.

SONY 7600 hi-tech receiver plus extras BC-39
MHz SSB/FM/CW \$85. Ray KF6RS 528-3332.

WANT: Heath SB401 transmitter. Fred
N6YEU 431-8202.

RCA TC1110 9" mono monitor, video in/out.
WEBSTER mobile whip ant, 10/15/40 coils,
ant feedthru and spring.

SHURE CR4-404C mobile mics.

RG-8 lowloss coax, 50' new fittings.

4-WIRE CABLE, extension cord type.

MARS SW10 SWR meter 75/52 ohm.

COAX SWITCHES, 5 pos & 2 pos.

VARIAC W2 2,4 amp, 120 VAC.

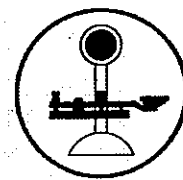
AGASTAT timer, 200 seconds 110 VAC.

AMECO PC10P preamp 1.8/54 MHz.

HORIZON HC-V converter for HT (up to 163
MHz), manual. Hank W6DTV 823-7885.

6 PR. CABLE, #18 wire shield & gnd. Good
control cable \$.50/ft. John W6CCY 823-1357.

(Continued on page 10)



SHORT SKIP



Sonoma County Radio Amateurs, Inc.

Club Station

P.O. Box 116

Repeater Station

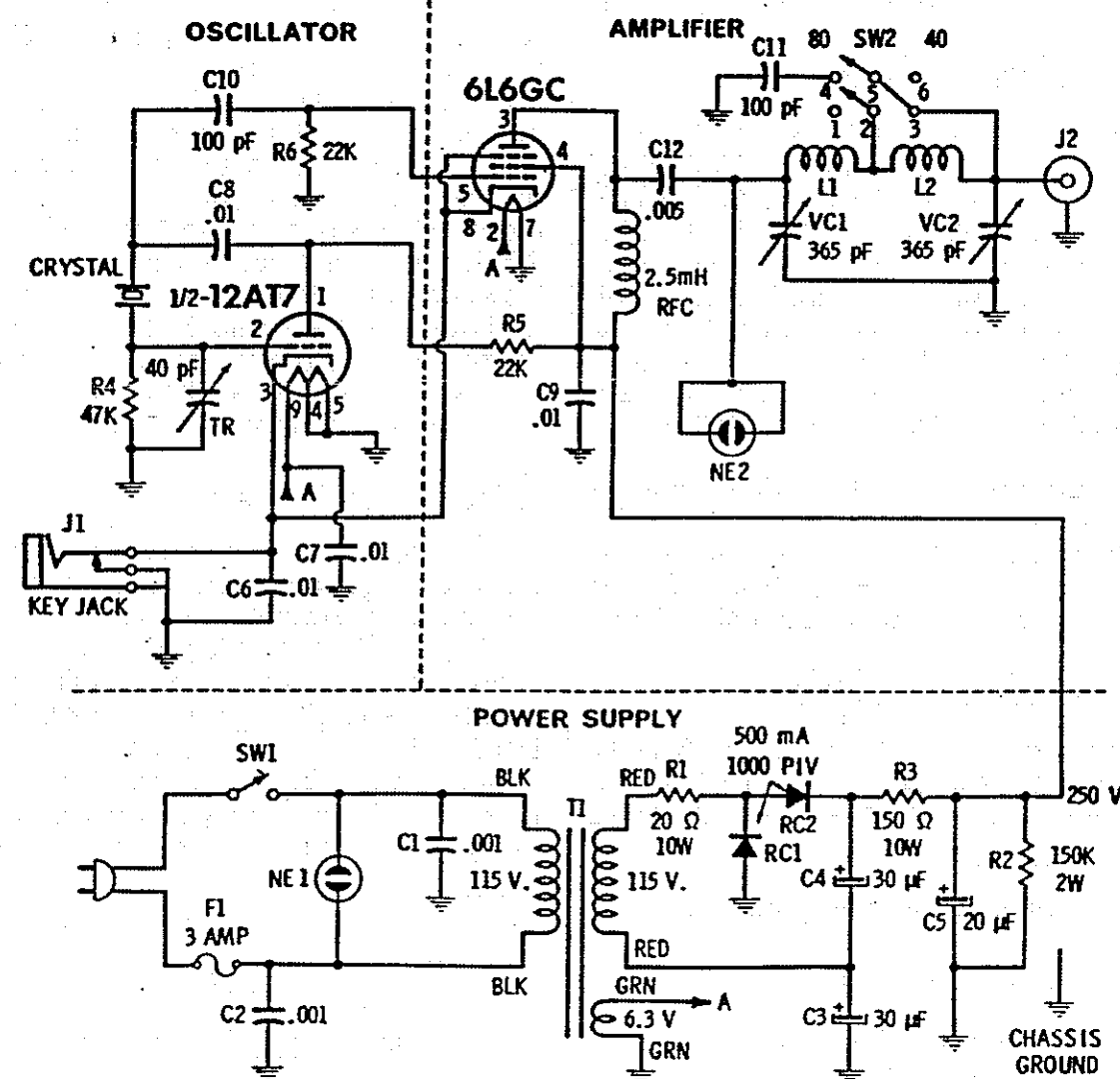
MAY 1991

W6LFJ

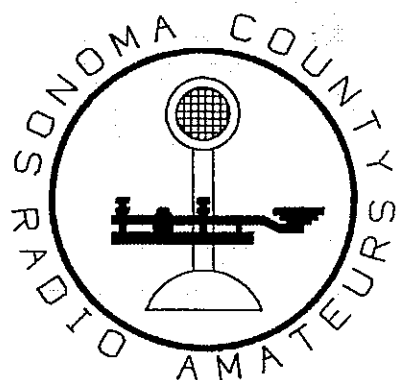
Santa Rosa, CA 95402

WB6PVS

VOL 16 # 5



FIRST CLASS MAIL



OFFICERS FOR 1991			
PRESIDENT:	Jim Pelmulder	N6PTM	823-7947
VICE PRESIDENT:	Brian Torr	N6IIY	575-5871
SECRETARY:	Alan Bloom	N1AL	538-7115
TREASURER:	Merlyn Pfeiff	N6VUC	584-3898
MEMBERS-AT-LARGE:	Philip Gaul	KC6BSI	544-2572
	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 823-9691

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) WB6PER(social)
 Refreshments at meetings: Bob Olsten WD6DPE
 Greeter at Meetings: Jane Vanderslice N6NTB
 Raffle at meetings: Philip Gaul KC6BSI
 Membership lottery: Bob Scolnick K6GEV

Repeater Control Op's:

WB6PER Jim 526-2972 N6PTM Jim 823-7947
 WD6CKP Hoppy 542-6750 W6TLK John 833-1873
 Interference Committee: WB6PER Jim 526-2972

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 ...

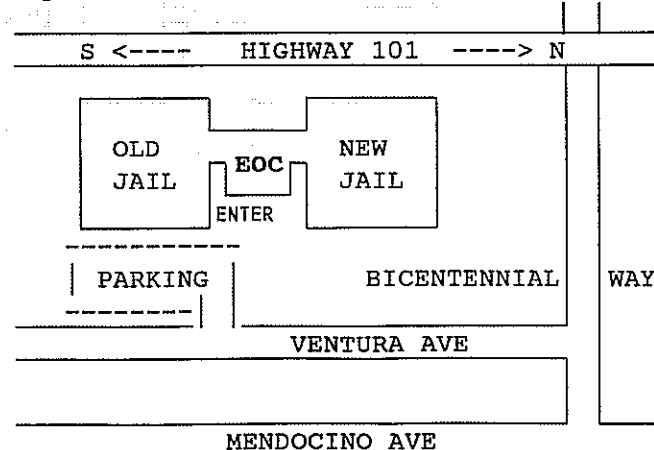
Club Meetings:

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

NEXT MEETING: May 1, 1991

PROGRAM: Secrets of Cellular Telephones with Rick K6ZWB and Steve KB6LSB

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.



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SCRA MINUTES

April 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, Secretary Al Bloom N1AL, Treasurer Merlyn Pfeiff N6VUC, and Members-at-Large Phillip Gaul KC6BSI and John Wallack W6TLK. 65 members and guests were in attendance.

VISITORS introduced by Jane N6NTB: Kathy Esch, David AJones, Linda and Ken Parker, Gary Kreis, Richard Palfus, Larry Ziegler, Rick Mahon, Rod Larrick K6KTM, Larry Roberts, Albert Bransom, Tom Hoffman, Jim Leftwich, Mike KC6PLE and Ann Chang.

UPGRADES: KI6VY to Extra, and KK6XT to Advanced. New calls include KC6SSB, KC6SSC, KB6SXB and KC6SSN (XYL W6TLK).

The **MINUTES** were approved as published in *Short Skip*. m/s N6YMQ/KI6VY

\$\$\$\$\$\$\$ Hank W6DTV had an interesting announcement. A couple weeks ago N1AL got a call from a fellow who wanted to get rid of a storage shed full of boat anchors left from a relative who passed away. After viewing the material, Hank and Jim N6PTM decided it was worth selling at the Flea Market in Sept., so Jim, Hank and Alan N6VUD rented a 14-foot U-Haul and carted the stuff to Jim's QTH for storage. To make a long story short, we have already found a buyer to the tune of \$1000! With expenses, we will net over \$900.

The **TREASURER'S REPORT** was approved m/s N6VUD/K6ZWB. We have \$3214.92 in the General Fund & \$755.43 in the Repeater Fund.

BADGES: Connie N6FYV still has lots. Come pick yours up.

PUBLIC SERVICE: Bill N6GHG already has 5-6 people signed up for this weekend. April 20 we need 2-3 people for part of a 5-day bike ride. We have 2 big events at the end of this month. Bill thanked all the volunteers.

TRAINING: John WB6FRZ will have his last Novice class this Friday. The exam will be

given April 12. His next Novice class will start April 22. John has volunteered to coordinate the Novice/Tech station at Field Day. Al N1AL is up to his 7th "no-code" Tech class.

VEC EXAMS: Steve WA8LLY is tentatively planning for May 14 at the EOC.

RACES is having a drill this weekend. W6TLK reports the RACES Comm. trailer will be at Lake Sonoma Liberty Glen campground, area E. Talk-in on 146.50 simplex. The critique will feature hamburgers for \$2. SCRA has agreed to help out with the charcoal and drinks. RACES plans 2 drills per year.

HOME BREW CONTEST: Bill N6OLD was Master of Ceremonies this year. We had 11 entrants this year: N1AL WB6FRZ N6IY WA8LLY W6NGZ KB6PTA N6PTM KC6RHB KC6RKY KI6VY and K6ZWB. And the winner is: Walt KC6RHB for his 2-band transmitter. Runner-up was Jack W6NGZ for his antenna rotor control and direction indicator.

FIELD DAY is planned for the Salvation Army site again. N1AL, N6PTM and WB6PER are the guilty parties.

The **RAFFLE** was won 4 times by Harvey Lawrence K6KZ, who was kind enough to decline the last 2 times.

The **MEMBERSHIP LOTTERY** was won by ... Ruth Lawrence WA6AQA. (Seems like a pattern developing here.)

Meeting adj. 9:18 PM. m/s N6GHZ/WA6ACX Respectfully submitted, Sec. Al Bloom N1AL ■

HANK'S SWAP SHOP

(from back page)

RADIO SHACK PRO-2004 scanner, 300 ch. 25-530, 760-1300 MHz \$250.

MFJ 1224 RTTY/CW interface \$10.

HEATH HM-2140 dual HF wattmeter \$50.

CANTENNA \$10. Clyde N6RIG 527-5468.

MFJ-407B electronic keyer \$50.

MIRAGE MP-1 HF wattmeter/SWR 2KW \$75.

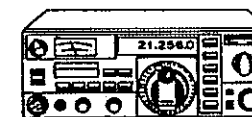
SWAN AWR-1 SWR bridge 100W \$20.

VIBROPLEX bug \$50. John W6TLK 833-1873.

YAESU FT101ZD, desk mic, CW filters, fan, spare finals, service manuals/bulletins \$425 or **WANT:** diesel or propane generator 2 or 3 kW 120/220V. Allan W6MEO 538-4935. ■

BUILD YOUR OWN TRANSMITTER

by Walt Burandt KC6RHB



The schematic diagram on the cover shows a very simple 25-watt transmitter designed especially for the Novice which covers the popular CW bands of 40 and 80 meters. The transmitter includes an untuned oscillator and an amplifier operating on the same frequency.

The parts are all easily obtained. The coils are hand-made, wound on plastic PVC pipe with hook-up wire. It uses two very inexpensive variable capacitors as found in AM broadcast radios. The rest of the parts are standard radio and television replacement types. In addition, the power supply voltage is fairly low, which makes transmitting-type components unnecessary and adds some safety.

The standard layout has an open, point-to-point layout for easy assembly. Furthermore, the design is such that a builder can test sections of the transmitter as he builds them. The unit is built in five stages. First is mounting the parts. Next comes wiring the transformer, then the power supply, the oscillator, and the amplifier, with test procedures performed after each section.

I modified the transmitter as I went along, adding a VFO, a digital display, and a series of relays to switch bands. The potential list is as long as your imagination or pocketbook. I would gladly make copies of the parts list and building and testing instructions available to anyone truly interested in building one.

It also helped to have a great friend like John Breckenridge WB6FRZ, whose patience, understanding, and knowledge made this project rewarding and fun. ■



George Shadore
Manager
KS6W

6819 REDWOOD DRIVE
COTATI, CA 94931

PHONE: (707) 792-2277
FAX: (707) 792-0146

WELCOME NEW HAMs

The Novice class that began in January is done and there are several folks now waiting for the FCC to process their license applications. Congratulations to the following people on a job well done:

Paul Becker, Kathy Mahan, Rick Mahan, George Nervo, Pete Sourek, Elizabeth Ziegler.

Very 73,

John Breckenridge WB6FRZ ■

ATTENTION ALL NOVICES AND TECHNICIANS, YOU ARE NEEDED FOR FIELD DAY

by John Breckenridge WB6FRZ

Field day is happening on the weekend of June 22 and 23. I have volunteered to help coordinate the club Novice/Technician "station" during this traditional ham radio event! Novices and Technicians, YOU are needed to help put it all together. If you have never heard of Field Day before (even if you kant spel it), that's even better! We will all get together beforehand to discuss our plan of attack, from who needs to bring the tent stakes and rope, to who will operate and when. It's gonna be lots of fun, as it has in the past, so don't miss out this year!

If I haven't contacted you yet, please call me at 577-3143 (w) or 838-6398 (h). CQ FD! ■

NOTE: Field Day is at Lake Sonoma this year. More details next issue.

Jim Pelmulder
N6PTM

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NEW NOVICE CLASS

By the time you read this, the Spring 91' Novice class will have started. Co-sponsored by the SCRA and the California Spinal Cord Injury Network, this class meets on Monday evenings for 90 minutes beginning at 6:30 PM. The location is 3911 Princeton Avenue in Santa Rosa, across from the Mayette Shopping Center on Yulupa Avenue. The first class began on April 22 and will go for 14 weeks, or until students are ready for the FCC Novice exam. As of April 14, there were 17 signed-up for the class.

Very 73, John Breckenridge WB6FRZ

OTHER CLASSES

13 WPM CODE UPGRADE CLASS: Bob Craig K6XZ meets every Friday night at 6:30 PM at the Calif. Spinal Cord Injury Network (old Red Cross bldg), 3911 Princeton (corner of Yulupa) in Santa Rosa. Bob's number is 539-1693.

TECHNICIAN CLASS: Al Bloom N1AL's last class will be April 30, with the test May 14. While billed as a "no-code" entry-level class, two members are using it to upgrade from Novice. Al tentatively plans another class starting in mid-June.

PUBLIC SERVICE ACTIVITIES

by Bill Splaine N6GHG

The following hams invested much of their precious time to help make their community a better place to live. They did this by unselfishly making themselves available, sometimes at inopportune times, to help make the public service events safer and more efficient. My records show that 41 hams contributed over 830 hours of their time in 16 events. These times do not include travel or preparation time nor do they indicate the number of dollars that were expended for fuel over the summer. I was as careful as my records allowed to include all of the members who participated. If I inadvertently missed someone, I apologize to them.

Kathi Boyett	WB6UAZ	5
Hoppy Bravin	WD6CKP	20
Grant Canfield	NH6GF	5

Ron Castro	N6AHA	15
Cal Cornils	KI6NY	12
Wilbur Dale	N6MGY	16
Hank Davis	W6DTV	25
Sarah Davis	N6FAX	25
Don Dickie	W6CPE	27
Connie Freitas	N6FYV	5
Phil Gaul	KC6BSI	19
Ken Harrison	N6MHG	10
Ray Heil	KF6RS	24
Edna Hetchler	KB6OKA	10
May Kubold	N6GZV	6
Harvey Lawrence	K6KZ	13
Ruth Lawrence	WA6AQA	13
Steve Lund	WA8LLY	5
Marie Mappus	KI6QY	29
Rudy Mappus	N6KLU	29
Georgia Morton	N6GZU	16
Ken Morton	N6GXI	16
Russ O'Neill	N6KMJ	6
Bob Olsten	WD6DPE	19
Dallas Pedersen	WB6AKX	5
Jim Peimulder	N6PTM	12
Merlyn Pfeiff	N6VUC	20
Bob Phillips	N6RMW	10
Chuck Sabin	N6DDK	17
Phil Schleyer	N6OOA	38
Bob Scolnick	K6GEV	24
Rick Sealock	N6RXA	10
Bob Sones	WB6EKV	6
Hans Sorenson	KI6PD	56
Bill Splaine	N6GHG	187
Jud Spruce	N6QAV	4
Brian Torr	N6IYY	17
Jane Vanderslice	N6NTB	12
John Wallack	W6TLK	16
Bill Waters	WA6OLW	10
Mike Weihman	N1DJE	16

While this looks like a lot of volunteers, and it is, there is always room for more help to spread the load over a larger base. If you would like to become one of these "silent hero's" please feel free to contact me at 707-431-8636. 73, de Bill N6GHG

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IRV HOFF W6FFC

I had the pleasure of a LOOOONG conversation with W6FFC once back when I worked at W1AW -- This would have been around 1973 or so. Irv was a pilot for United Airlines -- he had flown into the Hartford/Springfield airport around 7 PM and drove down to Newington to see ham "Mecca."

Irv sure could talk. He, WB6SEZ and I went straight through from around 8 PM to 7 AM the next morning, when he had to drive back to the airport to fly a plane back to California. (Pilots aren't allowed to drink, but it doesn't say anything about lack of sleep!) I'd say that of the 3 of us, Irv did 90% of the talking, pretty much non-stop for 10 or 11 hours, and I don't remember him ever repeating himself.

At that time, he had recently acquired (by some semi-underhanded means) a minicomputer (a PDP-11?) that he was learning to program. He had hooked it up to his RTTY station so that people could contact him and leave messages when he wasn't home. The first Amateur Radio bulletin board system?

Computer weenies know Irv principally through his many public-domain CP/M and MS-DOS computer programs, but I first heard of him through his work designing demodulators for RTTY reception. This was back in the days when commercial "demods" were giant rack-mounted tube-type machines. Irv designed some of the first solid-state units, using 709 op-amps when they were state-of-the-art.

He will certainly be missed. de AL N1AL

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MANAGER
WB6SRU

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TELEPHONE
546-8423



COMING EVENTS:

SCARS NET: 146.73 MHz
Tuesdays at 7 PM.

VE EXAMS HOTLINE NR:
408-984-8353

- MAY:
- 1 - SCRA meeting 7/7:30 PM
 - 4 - CDF breakfast
 - 4 - SRCC Wine Country Century BikeTour
 - 3-5 - Fresno Hamfest (WA6YAB)
 - 3-5 - West Coast VHF Conference, Ventura
 - 4-5 - Ten-Ten 10 Meter CW QSO Party
 - 5 - North Hills Hamfest
 - 6 - RACES etc. Net 7:30 PM
 - 11 - Foothill College Flea Market
 - 16 - CDF/VIP Meeting 7:30 PM
 - 17 - Deadline for June Short Skip
 - 18 - Armed Forces Day
 - 20 - RACES etc. Net 7:30 PM
 - 25 - ARRL 50 MHz Spring Sprint
 - 25-26 - CQ Worldwide Prefix Contest, CW

- JUNE:
- 5 - SCRA meeting 7/7:30 PM
 - 8-8 - ARRL VHF QSO Party
 - 14 - Deadline for July Short Skip
 - 15-16 - All Asian DX Contest, CW
 - 22-23 - Field Day
 - 26 - W1AW Code Proficiency Test, for Samuel F.B. Morse commemorative certificate

- JULY:
- 3 - SCRA meeting 7/7:30 PM
 - 13-14 - IARU HF World Championship
 - 19 - Deadline for August Short Skip
 - 13-14 - CQ Worldwide VHF Prefix Contest

- AUGUST:
- 3-4 - ARRL UHF Contest
 - 7 - SCRA meeting 7/7:30 PM
 - 16 - Deadline for September Short Skip

- SEPTEMBER:
- 4 - SCRA meeting 7/7:30 PM
 - 13 - Deadline for October Short Skip
 - 27-29 - Computer Networking Conf, San Jose
 - 28 - SCRA Flea Mart, Seb. Holy Ghost Hall
 - 28-29 - CQ Worldwide RTTY Contest



DX NEWS



FROM THE DXCC DESK. Please do not submit cards for the Seal or Penguin Islands. This location is not a DXCC country, and all cards submitted will be returned without credit.

CE9, South Shetland Island. Joe, CE9GEW, and Oscar, CE2NVH/9, are now active. QSL to PO Box 74D, Punta Arenas, Chile.

HF0POL, Polish Research Base, is on King George Island, South Shetland. QSL is KB6GWX, but via SP3HLM may be faster.

A5, Bhutan. VK9NS and VK9NL, Jim and Kirsti Smith, will operate A51JL for around two weeks starting May 1.

S2, Bangladesh. Jim, VK9NS, will try again from Dhaka around mid May. SSB is for sure, but CW is questionable. S21U or S21JS.

5R, MADAGASCAR. Alain, 5R8AL, is now on the air in Madagascar! He was heard April 21 on 14027 KHz at 1455Z and on 14222 KHz at 1530Z working west coast stations.

9M2, WEST MALAYSIA. Ross, 9M2AX continues active, even on the WARC bands. Check 24895 KHz 0055Z, 18069 KHz 0000Z & 10104 KHz 2300Z. Address: Ross Tanaka, F7 Menara Impian, Taman Tun Abdul Razak, 68000 Ampang, Kuala Lumpur, Malaysia.

9M8, EAST MALAYSIA. Andy, 9M2PV, has been showing up on 21289 KHz around 2245Z. QSL via WA4WTG for a plain black/white card or if you want a beautiful color card, send to his 91 CBA.

FW, WALLIS ISLAND. Ron, ZL1AMO, continues active as FW0BX mostly CW. VK2BEX is now operating FW/VK2BEX on SSB and CW.

H44, SOLOMON ISLANDS. Starting early May look for G3SXW as H44XW, G3TXF as H44XF and G3WVG as H44VG. Operation will be all bands. QSL to home callsigns.

KH9, WAKE ISLAND. John KB5LRO/KH9 is very active on 28492, 14226 & 14244 kHz. John is only a General Class operator, so check in the General Class sub-bands.

SY, MOUNT ATHOS. Baldur SY/DJ6SI is QRV -- let's hope he has proper documentation, which will please many CW operators. QSL via DJ6SI. Apollo, SV2ASP/A, continues active on the 21335 Net around 1600 to 1830Z several times throughout the week.

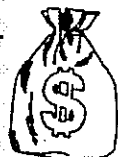
VS6, HONG KONG. John, K9EL, is now active and signing /VS6, CW only. He was heard Saturday and Sunday on 21023, 21027 and 18079 KHz around 1230-1330Z.

XU, KAMPUCHEA. Scotty WK3N worked "BOO" XU1DK, on April 18 on 21280 KHz at 1400 UTC. "BOO" claims to be on 20 meters RTTY daily, but gave no times. QSL to Box 80, Kojimachi, Tokyo, Japan 102-91.

Thanks to W1AW, OPDX/BARF80, KB1BE, Conn DX Assn, No. Ohio ARS, No. Ohio DX Assn, WB3LHD, WK3N, NA8A, K8MFO, K8PYD, W8XD & K8YVI for the above info. ■

TREASURER'S REPORT

For month ending March 31, 1991



ACCOUNT	REVENUE	EXPENSE
Refreshments at meetings ..	9.20	7.20
Raffle at meetings	47.05	
Dues and Initiations	526.00	
Fund-Raisers (Flea Market) ..	1000.00	100.00
Badges		12.72
Misc	24.00	25.00
Short Skip Newsletter		115.00
Training and Education		39.86
Membership Supplies.....	13.00	
	1619.25	299.78
ASSETS:		
General Fund Account	3084.57	
Cash/checks on hand	130.35	
Total General Fund	3214.92	
Total Repeater Fund	755.43	

de - N6VUC

RENEW YOUR ARRL MEMBERSHIP THROUGH THE CLUB AND THE CLUB GETS TO KEEP \$2 (no expense to you). Make out your check to SCRA, and send it with your ARRL renewal form to SCRA, PO Box 116, Santa Rosa, CA 95402 or give it to the Treasurer. ■

RESULTS

1991 SCRA HOMEBREW CONTEST

by Bill Kaiser N6OLD

Our Homebrew 1991 contest had spectacular participation! Many different areas of amateur activity were represented in the wide variety of entries. In addition, we had a large, interested audience to view the projects.

Here's a summary of the entries:

DARREL KI6VY: Living With 32 Volts." HF rig conversion to 32 VDC & 32/12V power supply. Is there life beyond PG&E? Ask Darrel!

BRIAN N6IY: Mot. PT-300 Battery Eliminator, Regulator & Supply built into rig's base. New lease on life for vintage portable rig.

RICK K6ZWB: Regulated Power Supply. Line-powered, mid-sized variable DC supply. Noteworthy chassis workmanship, very clean.

JOE KC6RKY: Heavy-duty Power Supply. 13.8VDC, 30A output with meters fan cooled. Make the lights dim with the monster supply!

JACK W6NGZ: Rotator Controller/Beam Pointer B-29 prop-pitch motor with synchro feedback. All surplus parts with beautiful front panel. This entry was the contest runner-up.

JIM N6PTM: Field Day Dupe Check Program. Eases contest operation with automated log. Efficient use of popular ham radio computer.

STEVE WA8LLY: Intelligent Push-To-Talk. Latching or PTT operation or tune-up timer. How does he do it all with only one button?

TED KB6PTA: Morse Code Practice Oscillator. Battery-powered, internal speaker or phones. First-time construction project -- nice work.

WALT KC6RHB: 80-meter Receiver.
WALT KC6RHB: 40/80M Tx/VFO/Digital Display
WALT KC6RHB: CMOS Keyer. (3 entries!)
 It's rare to see an all-homebrewed station these days. Walt's transmitter took top honors in the contest -- Congratulations!

JOHN WB6FRZ: Gin Pole and Tower.
JOHN WB6FRZ: Dummy Load. John brought both the biggest and the smallest items!

AL N1AL: Anti-TVI HF Low-Pass Filter. Cleans up that nasty TV or VCR interference. Featured on the April *Short Skip* cover.

I'd like to thank the judges, Steve WA8LLY and AL N1AL, for their generous assistance.

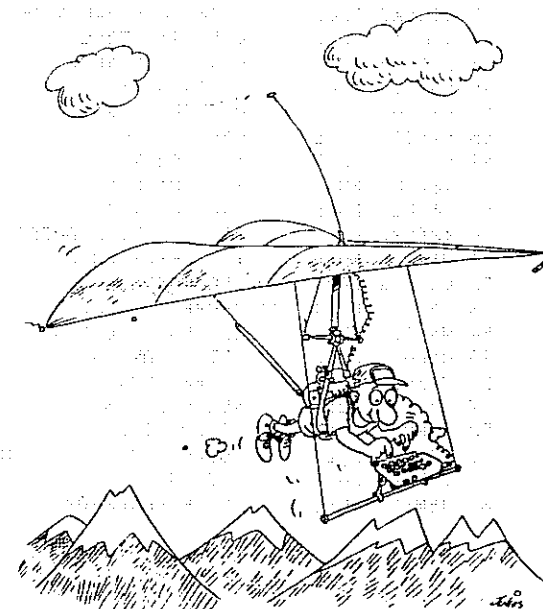
The exhibitors had to go through a bit of work to bring in their entries. Special thanks to them for sharing their ideas with us.

Finally, thanks to the members who attended the program -- it's only fun when there's an appreciative audience. How about considering a project to bring in next year? ■

THANK YOU SALVATION ARMY

by John Breckenridge WB6FRZ

For the past 15 weeks, the Salvation Army Facility on Lytton Springs Road (North of Healdsburg) has provided the club with a room for a novice class. During this time, two exam sessions were given and over ten people qualified for their novice licenses. Some have already continued on by passing elements for the technician and general! Thanks to the Salvation Army, and to Captain Dallas Peterson in particular, for providing the room for this to happen. ■



—From May 1990 OZ Magazine

MAILING LIST, PAID-UP MEMBERS:

#	CALL	CLASS	NAME	ADDRESS	TOWN	ZIP	PHONE
1		SPONSOR	KATHERINE WOLF	19299 N. SHORE CT	MIDDLETOWN, CA	95461	987 9566
2		SPONSOR	GARY H. LEHNERT	5922 MONTE VERDE DR	SANTA ROSA, CA	95409	539-3604
3		FAMILY	BURNELL	150 POPE COURT	SANTA ROSA, CA	95405	575 5332
4	W6AHH	FULL	ROBERT D. BROWNE	2339 MEYERS DRIVE	SANTA ROSA, CA	95403	542 2756
5	N1AL	FULL	AL BLOOM	1578 LOS ALAMOS RD	SANTA ROSA, CA	95409	538 7115
6	W6AQA	FAMILY	RUTH S. LAWRENCE	521 TERESA CT	SEBASTOPOL, CA	95472	829 2350
7	KK6BK	FULL	S LEWIS NEWTON	4620 ROCK MEADOW PLACE	SANTA ROSA, CA	95405	538 1370
8	KC6BSI	FULL	PHILIP GAUL	739 WHEELER	SANTA ROSA, CA	95404	544 2572
9	K6BWJ	FULL	DICK MADDOX	2435 MURDOCK DR	SANTA ROSA, CA	95404	578 8825
10	KA6BYX	FULL	JAMES HOBART	2053 HUMBOLT ST	SANTA ROSA, CA	95404	546 3225
11	AG6C	FAMILY	BETTY BRAVIN	3411 COFFEY LANE	SANTA ROSA, CA	95403	542 6750
12	W6CCY	FULL	JOHN LYNCH	6710 NICOLE CT	SEBASTOPOL, CA	95472	823 1357
13	WD6CKP	FAMILY#1	HOPPY BRAVIN	3411 COFFEY LANE	SANTA ROSA, CA	95403	542 6750
14	WB7CNJ	FULL	ROBERT R. WRIGHT M.D.	320 CANDLELIGHT DR	SANTA ROSA, CA	95403	571 8262
15	W6CPE	FAMILY#1	DONALD E. DICKEY	7635 MANDOLIN WAY	ROHNERT PARK, CA	94928	795 1269
16	KA6CRG	FULL	HOWARD TRITES JR	625 TRUMBULL AVE	NOVATO, CA	94947	415 892 5580
17	KC6CYE	FULL	DAVID WELSH	255 WIKIUP MEADOWS	SANTA ROSA, CA	95403	544 7579
18	N6DDK	FULL	CHUCK SABIN	8345 BRAND LANE	PENNGROVE, CA	94951	795 2371
19	KB6DJG	FULL	DAVE ELMORE	1727 LAGUNA RD	SANTA ROSA, CA	95401	544 3537
20	KA6DJY	FAMILY	JOHN KOBOLD	2433 APPLETREE DR	SANTA ROSA, CA	95401	544 5330
21	WD6DPE	FULL	BOB OLSTEN	3723 ARIZONA DR	SANTA ROSA, CA	95405	546 5593
22	W6DTV	FAMILY#1	HENRY DAVIS	7822 WASHINGTON AV	SEBASTOPOL, CA	95472	823 7885
23	WD6DXW	FULL	BILL THOMAS	5341 THOMAS DR	SEBASTOPOL, CA	95472	823 9429
24	K6EAN	FULL	BOB BENDT	18 TERRACE RD	COTATI, CA	94931	792 1525
25	W2EBG	FAMILY#1	GENE JOHNSON	2437 WIDGEON CT	SANTA ROSA, CA	95401	578 3104
26	N6FAX	FAMILY	SARAH DAVIS	7822 WASHINGTON AV	SEBASTOPOL, CA	95472	823 7885
27	KC6FKX	FULL	LAUREL MEYER	5929 VAN KEPPEL RD	FORESTVILLE, CA	95436	887 2555
28	N6FYV	FULL	CONNIE FREITAS	923 NORLEE ST	SEBASTOPOL, CA	95472	823 9691
29	NR6G	FULL	ARTHUR J. HALL	5555 MONTGOMERY DR #68	SANTA ROSA, CA	95409	579 6923
30	KD6GC	FULL	STEVE SCHAFER	2320 MARK WEST SPRINGS	SANTA ROSA, CA	95404	546 8860
31	K6GEV	FULL	ROBERT N. SCOLNICK	900 LIBERTY ROAD	PETALUMA, CA	94952	762 8874
32	NH6GF	FULL	GRANT W. CANFIELD	1950 WEST DRY CREEK RD	HEALDSBURG, CA	95448	431 7706
33	N6GHG	FULL	BILL SPLAINE	1360 FOOTHILL DR	HEALDSBURG, CA	95448	431 8636
34	KB6GIU	FULL	CURTIS BRAUCHER	7319 WOODSIDE DR	STOCKTON, CA	95207	209 477 3279
35	KH6GJV	FULL	BILL HILLENDALH	PO BOX 4151	SANTA ROSA, CA	95402	539 2791
36	N6GTF	FAMILY	HELEN DETTLING	PO BOX 962	PETALUMA, CA	94953	762 4087
37	W6GYY	FULL	JIM T. HALL	20747 TEMELEEC DR	SONOMA, CA	95476	938 1559
38	N6GZV	FAMILY#1	MAY KOBOLD	2433 APPLETREE DR	SANTA ROSA, CA	95403	544 5330
39	KA6HGW	FULL	BART HOLMES	2818 COCHINA CT	SANTA ROSA, CA	95401	528 3955
40	W2HWQ	FULL	BILL KOCZON	PO BOX 2927	PETALUMA, CA	94953	763 2927
41	KC6HXS	FULL	AURELIA F ANDERSON	617 G STREET	PETALUMA, CA	94952	762 2348
42	KJ6HY	FULL	BILL PATTERSON	2307 MAHER DR #5	SANTA ROSA, CA	95405	546 4787
43	WA6HYE	FULL	BOB MENGELBERG	1623 SCHAEFFER RD	SEBASTOPOL, CA	95472	823 3520
44	N6IY	FULL	BRIAN TORR	1625 GAMAY ST	SANTA ROSA, CA	95401	575 5871
45	KB6IOT	FULL	OLIVER KILBEY	2985 FULTON RD	FULTON, CA	95439	545 8175
46	KI6JC	FULL	RAUL TAIBO	448 IGNACIO BLVD #172	NOVATO, CA	94949	
47	N6KIJ	FULL	KEN PERRY	21791 BONNESS RD	SONOMA, CA	95476	938 3114
48	N6KLU	FULL	RUDY MAPPUS	374 SPRAUER RD	PETALUMA, CA	94952	664 1978
49	W6KNO	FULL	JACK JACKSON	18 HIGHGATE RD	KENSINGTON, CA	94707	524 8911
50	KB6KSA	FULL	PATRICK B. BRODERICK	3357 GLEN ECHO DR	SANTA ROSA, CA	95404	528 2109
51	W6KTT	FULL	TOM SEHABIAGUE	2781 WARM SPRINGS RD	GLEN ELLEN, CA	95442	525 1751
52	KB6KTX	FAMILY	BEA JOHNSON	2437 WIDGEON CT	SANTA ROSA, CA	95401	578 3104
53	K6KZ	FAMILY#1	HARVEY J. LAWRENCE	521 TERESA CT	SEBASTOPOL, CA	95472	829 2350
54	W6LCZ	FULL	KEN CHRISTENSEN	2615 RANCHO CABEZA DR	SANTA ROSA, CA	95404	542 2716
55	W6LGQ	FULL	ART HAGOPIAN	34 LAUREL AVE	PETALUMA, CA	94952	762 2132
56	WA6LLY	FULL	STEVE LUND	PO BOX 476	GRATON, CA	95444	823 4544
57	W6MEO	FULL	ALLAN CHAPMAN	5602 RATERS DRIVE	SANTA ROSA, CA	95409	538 4935
58	N6MGY	FULL	WILBUR DALE	4030 BARNES RD	SANTA ROSA, CA	95403	528 1911
59	WB6MJB	FULL	FOSTER (BUD) LOCKWOOD	47 WAMBOLD LANE	PETALUMA, CA	94952	792 1444
60	VP2ML	FULL	CHOD HARRIS	3201 FRANZ VALLEY RD	SANTA ROSA, CA	95404	526 2198
61	N6MSG	FULL	CLYDE ANDERSON	534 PARQUET	SEBASTOPOL, CA	95472	823 4830

MAILING LIST, PAID-UP MEMBERS:

#	CALL	CLASS	NAME	ADDRESS	TOWN	ZIP	PHONE
62	KA6MUB	FULL	JUDSON E. GOODRICH	6396 STONE BRIDGE RD	SANTA ROSA, CA	95409	538 4391
63	KB6MZE	FULL	JANET GREENE	1158 HARVARD DR	SANTA ROSA, CA	95405	578 0242
64	KC6NDU	FULL	K. SOUVANNAPHOXAY	1015 ASTON AVE #6	SANTA ROSA, CA	95404	578 7296
65	W6NGZ	FULL	JACK REEDER	3595 BLACKHAWK CIR	SANTA ROSA, CA	95403	579 8061
66	N6NTB	FULL	JANE VANDERSLICE	1433 GOLD WAY	ROHNERT PARK, CA	94928	584 0145
67	KA1NVR	FAMILY	NORMA KERWIN	PO BOX 1309	FORESTVILLE, CA	95436	887 7843
68	KA7NZO	FULL	LEE SNYDER	19415 REDWOOD DR	MONTE RIO, CA	95462	865 1269
69	KC6OCD	FAMILY	ANGELA C DICKEY	7635 MANDOLIN WAY	ROHNERT PARK, CA	94928	795 1269
70	N6OH	FULL	WALT BRUUN	PO BOX 283	PETALUMA, CA	94953	763 0476
71	N6OJC	FULL	CHUCK FROUNFELKNER	100 PIMA COURT	VACAVILLE, CA	95688	
72	WA6OLW	FULL	BILL WATERS	115 SUMMER WHEAT RD	WINDSOR, CA	95492	838 0543
73	N6ONZ	FULL	GARRY PALMER	333 E. ROBLES AVE	SANTA ROSA, CA	95407	584 3425
74	N600A	FULL	PHILIP SCHLEYER	8105 B ST.	WINDSOR, CA	95492	838 2912
75	KC6OPQ	FULL	GREG PRINGLE	5901 NEWMAN CT #17	SACRAMENTO, CA	95819	916 452 7381
76	KB6PBD	FULL	CHARLES J. CARNIGLIA	PO BOX 1120	SANTA ROSA, CA	95402	578 5832
77	KI6PD	FULL	HANS G. SORENSEN	9684 OCONNELL RD	SEBASTOPOL, CA	95472	823 2091
78	KB6PDA	FULL	PAUL DANA	46 VALLEJO ST	PETALUMA, CA	94952	762-1461
79	KC6PEY	FULL	C. RONALD SMITH	1411 DEER LANE	SEBASTOPOL, CA	95472	823 2228
80	KC6PJV	FULL	JEFF YOUNG	18246 NEELEY RD	GUERNEVILLE, CA	95446	869 9180
81	KC6PJW	FULL	JIM ANDREWS	7249 ROXANNE LN	ROHNERT PARK, CA	94928	795 2163
82	WA6PXW	FAMILY#1	FRANK DETTLING	PO BOX 962	PETALUMA, CA	94953	762 4087
83	W6QYB	FULL	RODOLF G (BOB) BARTON	326 ENGLISH ST #D	PETALUMA, CA	94952	765 9314
84	KC6RHA	FULL	DOUGLAS CARTER	1139 GUAYMAS ST	SANTA ROSA, CA	95401	528 9116
85	KC6RHB	FULL	WALTER BURANDT	9045 CHALK HILL RD	HEALDSBURG, CA	95448	838 7813
86	N6RIF	FULL	DAVID SPENCER	111 KAY COURT	CLOVERDALE, CA	95425	894-4787
87	KC6RKY	FULL	JOSEPH A REID	5610 HESSEL AVE	SEBASTOPOL, CA	95472	829 1275
88	N6RMW	FULL	BOB PHILLIPS	1508 PLUMERIA DR	SANTA ROSA, CA	95403	542 5209
89	N6RXY	FULL	STEVEN J. R. CONSANI	1140 OLIVE ST	SANTA ROSA, CA	95407	545 2010
90	N6RYA	FULL	STEVE BECK	5643 VERNI RD	SEBASTOPOL, CA	95472	823 5882
91	KK6SE	FULL	PETER VELIE	126 SANDALWOOD CT	SANTA ROSA, CA	95401	526 9507
92	KK6SE	FULL	PETER VELIE	126 SANDALWOOD CT	SANTA ROSA, CA	95401	526-9507
93	WA6SEU	FULL	PHIL RICHARDSON	3613 CYPRESS WAY	SANTA ROSA, CA	95405	527 0935
94	KC6SOT	FULL	ROBERT C. NELLOR	6818 AVENIDA CALA	ROHNERT PARK, CA	94928	795 5228
95	KB6SQY	FULL	BRAD SILVA	PO BOX 5305	SANTA ROSA, CA	95402	584 0533
96	K6SRD	FULL	LOWELL LUX	4567 BRIGHTON DR	SANTA ROSA, CA	95403	546 7099
97	KC6SXN	FAMILY	SHIRLEY WALLACK	PO BOX 1115	KENWOOD, CA	95452	833 1873
98	K6TCD	FULL	BILL MEYER	6516 MEADOWGREEN PL	SANTA ROSA, CA	95409	539 1489
99	KA6THB	FULL	BOB DAWSON	225 DECKER ST	SANTA ROSA, CA	95401	542 4885
100	DJ6TJ	FULL	HANS BERG	MENGSTRASSE 37	2400 LUEBECK, W. GERMANY		
101	W6TLK	FAMILY#1	JOHN WALLACK	PO BOX 1115	KENWOOD, CA	95452	833 1873
102	WB6TSO	FULL	JOE AJAX	179 PRICE WAY	FOLSOM, CA	95630	916 983 3460
103	KB6UCH	FULL	HAROLD BALDWIN	1459 JAHN DR #2	SANTA ROSA, CA	95401	
104	N6UMC	FULL	VINCE T. MIGLIORE	1525 PETERSON LANE	SANTA ROSA, CA	95403	526 4506
105	KB6UOJ	FULL	TOM HITCHCOCK	3411 SIDNEY SQUARE	SANTA ROSA, CA	95405	544 0911
106	KB6UWY	FULL	RALPH HYDE	1803 AUSTIN WAY	SANTA ROSA, CA	95404	528 0726
107	KB6UXB	FULL	ALBERT BRANSON	1721 GREENEICH AVE	SANTA ROSA, CA	95401	526-7601
108	K6UXO	FAMILY#1	KENNETH H KERWIN II	PO BOX 1309	FORESTVILLE, CA	95436	887 7843
109	N6VUC	FULL	MERLYN PFEIFF	118 FRANCIS CIR.	ROHNERT PARK, CA	94928	584 3898
110	N6VUD	FULL	ALAN JUDD	615 CODDINGTON Ctr#175	SANTA ROSA, CA	95401	575 1736
111	KI6VY	FULL	DARREL J VAN BUER	11840 PACIFIC AVE	LOS ANGELES, CA	90066	
112	KE6WL	FULL	BRIAN KOTZIAN	2601 MCBRIDE #4	SANTA ROSA, CA	95403	528 3004
113	KD6XF	FULL	BUD BARTLETT	35 MISSION DR	PETALUMA, CA	94952	763 2119
114	KK6XT	FULL	JOHN K GAUGER	1627 FURLONG RD	SEBASTOPOL, CA	95472	829 2599
115	KK6XT	FULL	JOHN K. GAUGER	1627 FURLONG RD	SEBASTOPOL, CA	95472	829 2599
116	K6XZ	FULL	ROBERT CRAIG	5519 EL ENCANTO CIRCLE	SANTA ROSA, CA	95409	539 1693
117	N6YIG	FULL	CLIFF REIN	6595 BRIDGEWOOD DR	SANTA ROSA, CA	95409	
118	WA6YTW	FULL	BOB E. DAVIS	305 EAST SPAIN ST.	SONOMA, CA	95476	938 2033
119	AA6YX	FULL	DAVE NEW	320 CHADWICK PLACE	SANTA ROSA, CA	95401	526 9324
120	K6ZIV	FULL	LARRY MULLINIX	8507 VICKY LANE	SEBASTOPOL, CA	95472	823 8447
121	N6ZME	FULL	REED WHITE	PO BOX 1001	SEBASTOPOL, CA	95472	829 1001
122	K6ZWB	FULL	RICK REINER	150 STONY POINT RD	SANTA ROSA, CA	95401	542 6907

or
579 9686 voice mail