

SHORT SKIP

Sonoma County Radio Amateurs, Inc.



Club Station

P.O. Box 116

Repeater Station

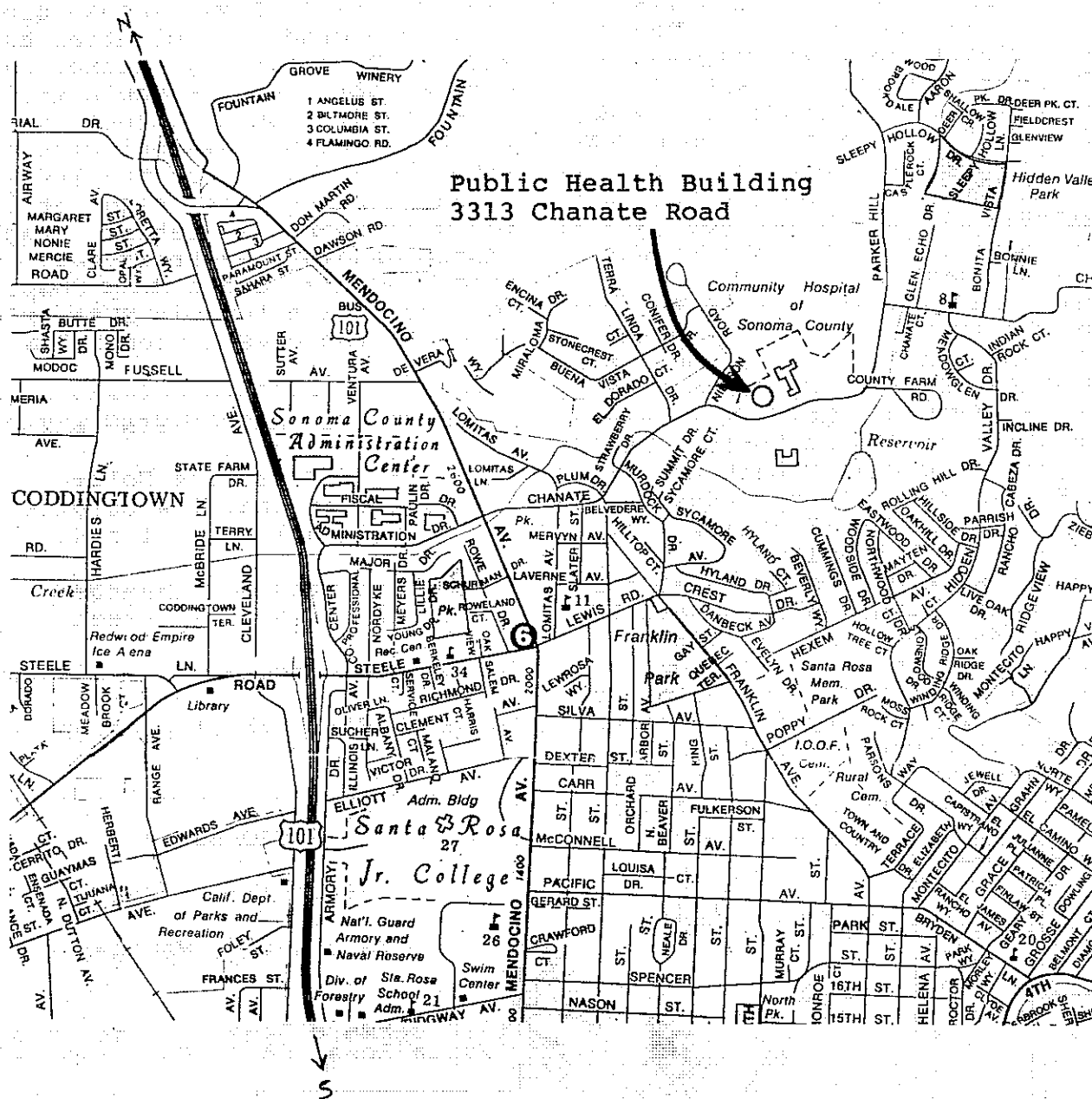
FEBRUARY 1987 W6LFJ

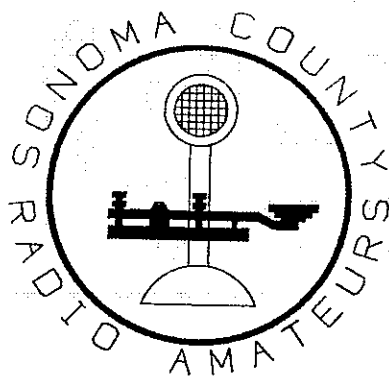
Santa Rosa, CA 95402

WB6PVS

VOL 12 # 2

NEW MEETING PLACE:





-----OFFICERS FOR 1987:-----

PRESIDENT:	Connie Freitas	N6FYV	823-0431
VICE PRESIDENT:	Russ O'Neill	N6KMJ	778-1758
SECRETARY:	Susan Schuyler	N6IRJ	526-2972
TREASURER:	Garry Palmer	N6ONZ	584-3425
MEMBERS-AT-LARGE:	Don Osborne	WA6ACX	829-0565
	Brian Torr	N6IIY	865-2234
REPEATER CHAIR:	Paul Hansen	AE6H	527-7955

-----SHORT SKIP STAFF:-----

EDITOR:	Alan Bloom	N1AL (e) 538-7115
	1578 Los Alamos Rd, Santa Rosa, CA 95405	(d) 577-3981
CIRCULATION MGR:	Tracy Reese	WB6TMY
SWAP SHOP:	Hank Davis	W6DTV 823-7885

RACES LIAS: Warren WB6RHP, Bob WD6DPE
 ARRL LIAS: Alan Bloom N1AL 538-7115
 ASST. DIR: Chuck Sabin N6DDK 795-2371
 PUB. RLTS: Hayes Hunter WB6KLU 795-5938
 HISTORIAN: Carolyn O'Neill N6KLR 778-1758
 BADGES : Hank Davis W6DTV 823-7885

-----ACTIVITIES COMMITTEE-----

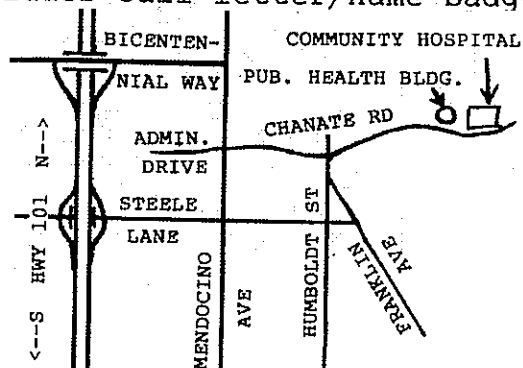
PUBLIC SVC: Rudy Mappus N6KLU 664-1978
 REFRESHMENTS AT MEETINGS: Bob WD6DPE
 GREETER AT MTGS: Marie Mappus N6KUS
 RAFFLE: Rich KA6SSL Kenn N6MHG Barry N6MHH
 QSL MANAGER: Doug Bender WW6D
 VOL EXAMS: WN6D WW6D K6ANP AG6C WD6CKP
 WA6ACX W6DTV WW6F KF6FX WB6FRZ WA8LLY
 EDUCATION: WA8LLY
 PROGRAM CHAIRMAN: Phil N6OOA 838-2912
 AWARDS CHAIRMAN: Steve Lund WA8LLY
 FLEA MARKET CHAIR: Al Bloom N1AL
 MBR-OF-YEAR CHAIR: Rudy Mappus N6KLU

-----REPEATER COMMITTEE-----

Alan Bloom N1AL-Jim Rutherford WB6PER
 Jim Boyett WN6D-Phil Copenhaver N6KZS
 Brian Kotzian KE6WL-Terry Laduke WA6RNF
 Hoppy Bravin WD6CKP (Westlink b'cast)

-----CLUB MEETINGS-----

7/7:30 PM 1st Wed each month at the
 Public Health Bldg, 3313 Chanate Rd.
 NEXT CLUB MEETING: Feb 4, 1987
 PROGRAM: Spectrum analyzer demo, N1AL
 Meetings open to all, member or not.
 Full voting membership for licensed
 Amateurs only. Dues: \$12.00 per year
 plus a one-time \$4.00 initiation fee.
 (Includes call-letter/name badge.)

**ARE YOU NOT AN SCRA MEMBER?**

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

We invite you to attend our next monthly meeting (see below) or check into the SCARS net on the 146.13/73 repeater every Tues. night at 7 PM. You will hear the latest Westlink Amateur Radio news broadcast, SCRA announcements, and a Swap Shop. If you would like to join SCRA, please refer to the dues listed below. 73!

-----SHORT SKIP ADVERTISING RATES:-----

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

Pre-printed inserts:
 \$28 (8.5 x 11" sheet)

Guaranteed circulation: 200/month

AD DEADLINE: 15th of previous month

RADIO SHACK

Store Nr. 3855

Zane Bates, Manager

510 Farmers Lane Telephone
 Santa Rosa, CA 95405 546-8423

THE PRESIDENT'S CORNER



It was really nice to see such a nice turnout at the first general meeting. I do hope everyone enjoyed Lyle and Len's presentation on the Turk and Caicos Islands. At least we all got a good lesson in how to pack baggage!

There are a few reminders I would like to share with you. First of all, don't forget the **NEW MEETING PLACE** beginning with the February 4th meeting. It will be at 3313 Chanate Road at the Public Health Building. First building on the left after turning from Chanate Road going East. The entrance will be the South Door. Since chairs are not already set up, we will need some help setting up the chairs and putting them away.

Another reminder is to wear your name badge for the "special drawing."

The Program for February will be presented by Al N1AL. He will be bringing Signal Analysis equipment to demonstrate. [Ed note: bring your HT to test.]

A Novice class is being taught by Hank W6DTV. The class is full at this time. Steve WA8LLY is willing to begin an upgrade class. If you are interested in upgrading, let Steve know. Keep an ear out for new Novice calls and upgrades!!

The Homebrew Contest will be coming up in April. Not too early to start thinking about what to enter. Steve WA8LLY will be heading up the contest this year. As of this writing, Brian KE6WL will be judging.

It will be only a few more days and it will be a year since we were working with the "Flood of 86." Boy, how time flies when one is having fun. Let's keep our fingers crossed and hope the river stays in its banks this year.

For everyone interested in attending a club Board meeting, they are held on the second Tuesday of each month at 7:30 at the EOC. The Board minutes will be available at each General meeting for anyone to read.

There have been some instances of people getting their mics stuck in the transmit mode. Make sure that you move your mic out of the way when you get in your car or when you are working on your radio.

See you February 4, 7:30 at the Public Health Building. 73's

XX Connie N6FYV XX

BOARD MEETING NOTES:

PATCHES: We will be ordering new patches with the SCRA mic & key logo. 101 5" badges and 25 7". Cost to the club: \$213. They should arrive in early Feb.

TEN METER NET: Don WA6ACX will be conducting a 10 meter net on Tuesday nights at the same time as the 2 meter net (7 PM). We'll start with a two-week trial (Feb 10/17), and see how it goes. Frequencies are: 28.150 CW and 28.550 phone.

N6DBZ got a couple unusual QSL cards recently. Seems his call was used in a recent episode of the popular TV series "Magnum PI." Altho Mike didn't see the show himself, he received several QSL's from hams around the country who did!

-- Tnx W6DTV



"It's the bank—they say that when you endorse a check you should stop adding your call letters to your name."

**MINUTES OF THE GENERAL MEETING OF SCRA, NOVEMBER 5, 1986**

The meeting was begun at 7:30 by Connie, N6FYV, President.

VISITORS: Jane VanDerSlice N6NTB, J. W. Hall KB7NVJ, Jim Clark VE3LN, Jim Horn WB9SYN, Paul S. King WB6RPT, Lou Schneider (not a ham), Candy Vawter N6NSG, and Dale Vawter N6MRV.

Introductions of the membership did not take place.

Officers present were: Connie N6FYV, Russ N6KMJ, Brian N6IIY, Don WA6ACX. Susan N6IRJ was absent due to vacation, and Garry N6ONZ was absent due to surgery.

Phil N600A introduced Lyle Meek WW6F and Len Gerald K6ANP who presented a program on the Turk and Caicos Islands. Slides included how to go about packing gear and the importance of baggage weight, sleeping in airports, taking the only road on the island & getting lost, and of course pictures of the beautiful scenery. Lyle told about the way an amp could be repaired with packaging tape and rubber bands. Phil also announced that February's program will be presented by Al N1AL, who would be bringing a Spectrum Analyzer, and that the March program would be by Don KB6LO, demonstrating his weather FAX machine. April's program will be the Homebrew Contest.

Connie reminded everyone to be sure and wear their name badges because there would be a special drawing beginning with the general meeting Feb 4.

Connie reported that Garry was in Memorial Hospital in 461 West. He is doing fine, and the nurse said that he was a "Model Patient."

STANDING REPORTS:

The TREASURER'S REPORT was given by N6KMJ. Repeater Fund \$1811.40, General Fund \$479.87, and cash on hand \$72.17. (m/s WB6RHP/K6GEV)

The MINUTES were approved for November. (m/s W6DTV/K6GEV)

COMMITTEE REPORTS:

REPEATER COMMITTEE: Phil N6KZS stated the S-meter was completed, but not yet installed, the proposal to the Board concerning the autopatch codes. Rudy N6KLU questioned the restriction of codes to members. Connie told him that a final decision was not made, and it would be taken up at the January 14 Board meeting.

EDUCATION: Steve WA8LLY talked about upgrade classes he is willing to teach, Extra class for sure if he can get enough people and Advanced class, preferably with no fewer than 5 in a class. Also the possibility of a 2 meter code class if there was enough interest.

PUBLIC SERVICE: Connie let the membership know about a letter from the March of Dimes requesting our help again this year on April 26, 1987. The membership agreed to go ahead.

BADGES: Hank W6DTV handed out badges to those who were present.

OLD BUSINESS:

Connie gave a short report on the Xmas party. Net control for the month of January will be Bob WD6DPE. Net controls are needed for March - December. Jim WB9SYN offered to be net control one month. There was no other old business.

NEW BUSINESS:

Connie told all present about the new meeting place at the Public Health Building at 3313 Chanate Road near the Community Hospital. The meetings will begin there with the February 4 general meeting. Jud KB6OYC asked about the Novice Roundup, and Steve WA8LLY gave him the information. There was no other new business.

The membership lottery was won by Carolyn N6KLR who was not present. She lost \$29.55. The raffle took place, and prizes were donated by Radio Shack in Montgomery Village and HSC Electronics in Cotati and numerous other manuals donated by other members.

The meeting was adjourned at 9:26 PM. (m/s N6KZS/WA6RNF)

Respectfully submitted by Russ N6KMJ, acting Secretary.

UPGRADE CLASSES

What would our club members like to have in the way of upgrade classes this winter? Is there interest in a 13 wpm code class? When I get my station set up again, I'll check the coverage on 2M simplex. Until then, if you have HF capabilities, try listening for W6QIE on 3690 kHz nightly, except Monday, at 8 PM local time.

A sign-up sheet will be passed around at the February meeting. If you can't attend, please let me know what type of upgrade class you would be interested in.

Also the club needs instructors. I taught my first class last Fall and really enjoyed it. Why don't you give it a try.

- Steve Lund WA8LLY 823-4544

NEW MEMBERS SINCE JANUARY

Lou Schneider
100 Brian St.
Windsor, CA 95492
838-6942

Lewis Kimball WA6DGK
719 Bonnie Ave
Rohnert Park, CA 94928
795-3858

Jane VanDerSlice N6NTB
194 Boas Dr.
Santa Rosa, CA 95405
539-9682

Phil Gonzales KA6SMN
1845 19th Ave.
San Francisco, CA ?????
415 664-7153

Jim Horn WB9SYN
440 Mallard Dr.
Santa Rosa, CA 95401
523-4890

We now have 173 members.

**WEAR YOUR BADGE!**

Starting with next meeting, there will be a free raffle for members who wear their badges. Bring your badge so you won't miss out!

WE NEED ADS!

Short Skip has four loyal advertisers (to whom we are most grateful for their support.) However, there are a number of other electronics emporiums in the area who could make good use of our advertising medium, if they only knew of our existence! The reason they don't advertise is that they haven't been asked.

We need someone to do the asking. The first thing the Advertising Manager will need to do is to find out who our likely customers are (Yellow Pages, ideas from club members, ads in other publications, etc.). Then he/she needs to get a copy of Short Skip into the hands of each advertiser. Personal contact is best, but mailing a copy with a cover letter might work, too.

This club office is one that can take as much or as little time as you care to spend. Even one hour a month is one hour a month more than anyone is doing now! If you are interested, please call Al N1AL at 538-7115 (eves) or 577-3981 (days) or leave a message on my packet terminal on 145.01. Thanks...

- N1AL

APPLICATION FOR ISSUANCE OF THE 146.730 AUTOPATCH CODES

The Board of Directors of the Sonoma County Radio Amateurs, Inc., has decreed that the issuance of Autopatch User Codes shall be conditional upon the following prerequisites: (1) Application in the SCRA, Inc., and application for Autopatch Codes, shall be two separate entities. (2) At any SCRA general club meeting, the applicant shall request, fill out in full, and submit to the Treasurer, an "Application for Issuance" of the 146.730 Autopatch codes, (no applications for Autopatch shall be accepted by mail). The applicant will be issued the Autopatch codes in person, (none sent by mail) at any subsequent SCRA general club meeting. (3) It is mandatory that the applicant shall have a Technician or higher class radio amateur license. (4) Before Autopatch Codes are issued, the applicant shall satisfy the requirement of living, working, or spending reasonable time, in Sonoma County.

SAMPLE - COPY - THIS IS WHAT ALL INCOMING NEW MEMBERS WILL RECEIVE UPON APPLICATION TO S.C.R.A. INC. - CURRENT MEMBERSHIP NEED NOT FILL ONE OUT!

NAME				CALL SIGN
ADDRESS				
CITY		STATE	ZIP	
HOME PHONE		WORK PHONE		
LICENSE CLASS		EXPIRATION DATE		

IF YOUR 2 METER RADIO DOES NOT HAVE P/L CAPABILITIES, ARE YOU WILLING TO INSTALL THIS FUNCTION? YES NO

The repeater is owned by Sonoma County, and operated by SCRA, Inc. for all to use. The Autopatch is owned by SCRA, Inc. and is for members use only. The phone expenses are paid by Sonoma County, and will continue to be so, providing that the inner-county phone priveliges are not abused. Dialing numbers outside of Sonoma County is abuse, as well as calling someone everyday on the autopatch just to say I'll be there in five minutes is abuse. So please use the autopatch responsibly! The following FCC rules regarding Autopatches shall also be followed: * (1) Phone patches or autopatches involving the business affairs of any party must not be conducted at any time. The only exception is when the immediate safety of life or property is endangered. (2) Phone patches or autopatches should never be made solely to avoid telephone toll charges. Phone patches and autopatches should never be made when normal telephone service could just as easily be used. (3) Third parties should not be retransmitted until the responsible control operator has explained to them the nature of Amateur Radio. Control of the station must never be relinquished to an unlicensed person. Permitting a person you don't know very well to conduct a patch in a language you don't understand amounts to relinquishing control. (4) Phone patches and autopatches must be terminated immediately in the event of any illegality or impropriety. (5) Phone patches or autopatches should be kept as breif as possible, as a courtesy to other amateurs; the amateur bands are intended to be used primarily for communications among radio amateurs. Compliance with these guidelines will help ensure that our interconnection and autopatch privilage will continue to be available in the future, which will in turn help us contribute to the public interest.* FCC RULE BOOK.

I have read the above. Signature



NEWS of Amateur Radio

PACKET NEWS

PETER I ISLAND, a DXCC country on nearly everyone's "most needed" list, should be on by the time you read this. Look for 3Y1EE and 3Y2GV on 14022 and 14145 kHz. Also 3503, 7003, 21022, 28022, and on SSB: 3788, 7043, 21195, 28495. (TDXB)

NOVICE ENHANCEMENT IS COMING! FCC's new rules should be released very soon, now. See June QST p 48 and Sept. QST p 67 for details on the proposal. (ARRL)

ATTENTION VE's: Do not issue any certificates for written exam credit as you do not have the authority to do so! The new regs will not go into effect until after the Novice enhancement proposal is announced, so that the FCC only has to revise the 610 forms once. (Westlink)
(SEE P. 14)

FCC CHAIRMAN RESIGNS. Mark S. Fowler, longest-reigning Chairman of the FCC (6 years next May), has resigned effective this Spring. His tenure was marked by "deregulation" of all the services, including Amateur. A leading contender for the job is Commissioner Dennis Patrick, a former White House staffer. (NY Times)

THE ARRL DIRECTORS at their meeting Jan 16/17 in Hartford: -- Planned to spend \$250,000 in 1987 on recruiting people into ham radio. -- Assigned people to search for funding for the new museum and refurbishing of WIAW. -- Created a Pub.Relations Committee to be staffed by expert volunteers. -- "Strongly supported" a new membership service: notification of license renewal deadlines. (WIAW)

ARRL MEMBERSHIP IS UP 4% in the Pacific Division this year, 2.36% overall. (ARRL)

Thanks to the ARRL Letter, Westlink Report, WIAW bulletins, the New York Times, and The DX Bulletin for the above info.

NETWORKING COMES TO THE BAY AREA. The W6AMT digipeater system, which stretches from the Mexican border almost to Oregon, is starting a test of "NET/ROM", a new firmware package for the TNC-2 which supports state-of-the-art networking capabilities (known as "layer 3 and 4" to those in-the-know). It's now up & running on W6AMT-0, -1, -2, -3 and -4, and will be on W6AMT-7 in the spring.

NET/ROM allows "store-&-forward" relaying rather than traditional multi-hop digipeating. This greatly decreases the amount of "garbage" on the channel. Routing between nodes is done automatically: each NET/ROM station "knows" all the other nearby nodes and routes. It even can detect equipment failures & re-route the circuit automatically, without the user even knowing what happened! Routing lists are automatically updated over the air every hour, so that whenever a new node comes on-line the whole system will know about it in a few hours.

The hardware supports multi-port (multi-frequency) nodes. For each additional port, you simply add a radio and a TNC, connected to the other TNC's by cables plugged into the RS-232 connectors. No hardware mods to the TNC are needed. Multi-porting allows linking between nodes via high-speed data links on another band, with 2 meters reserved for connecting to users. (Tnx W6IXU)

PICTURES VIA PACKET can be sent using TELIPAK, a system that allows amateurs to exchange high-resolution error-free, digital color images, text and speech. Developed by the Belleville TELIPAK group, it was demonstrated at the November meeting of the Kingston (Ontario) ARC by Syd Horne VE3EGO. (Tnx Gateway newsltr)

A MODEM FOR THE FUJI SATELLITE has been developed by TAPR, the group that invented the TNC-1/2. The unit interfaces with any TNC-1, TNC-2 or clone. Fuji's mode "JD" transponder allows worldwide message store-and-forwarding. (Tnx Westlink newsltr)

HOW TO SEND RADIOGRAMS VIA PACKET RADIO

Here is a short-form guide for handling NTS (ARRL National Traffic System) traffic on the linked automatic WestNet packet system. This is condensed from the HOWTO.NTS file by NI6A on the N6IIU Packet Bulletin Board System.

1. Unbundle Your Messages Please

One NTS message per BBS message. When you place two or more NTS messages destined for different addresses within one packet message, it must be broken up by either the BBS sysop (system operator) or the relay station, placing an unreasonable burden on them both. No "Book" messages unless they go to the same city.

2. NTS Packet Format = Same as CW Format

Packet NTS message format should be identical to the one used on CW. This allows easy transfer to CW and RTTY files.

3. Use the accepted designators.

Use State, Province, and U.S. Possession abbreviations as spelled out by the U.S. Post Office and the ARRL Net Directory. (See list elsewhere in this issue.)

No foreign (except Canada/US) NTS traffic should be relayed via the packet system at this time until proper routing designators and procedures are established.

California Designators:

Within California, additional designators are used as well, to permit efficient automatic forwarding:

SCN (Southern California net)
 SCNSB (SCN Santa Barbara Section)
 SCNSD (SCN San Diego Section)
 NCN (Northern California net)
 NCNSAC (NCN Sacramento Valley)
 RN6 (Sixth Region net)
 (NOTE: List traffic as RN6 if there is no known packet outlet.)
 OESSAC (Office of Emergency Services in Sacramento)
 REDCRS (Red Cross Western Operations Headquarters in Burlingame)

4. EXAMPLES:

NTS traffic must be entered on WORLI-compatible forwarding systems with the "ST" command. Examples:

"ST CA" <CR>

"QTC 1 San Francisco" <CR>

"ST CT" <CR>

"QTC 1 Podunk Ct" <CR>

"ST SCNSB" <CR>

"QTC 1 Lompoc Ca" <CR>

Remember to use the "T" in the "ST" command or your message cannot be killed with the "KT" command at the end point.

When you log onto the BBS, type the "LT" command to list all NTS traffic. To read message #123, type "R 123". If you can deliver it, type "KT 123" to kill the message so it won't be delivered twice. Do so only after you are sure you have a valid copy. On some systems, this also services a message back to the originator with the time the message was picked up and by whom.

SAMPLE OF A MESSAGE FOR GUIDANCE:

(**BOLDFACE** is what you type, Normal type is sent by the BBS.)

prompt message >

ST AZ

Enter title for message:

QTC 1 Phoenix AZ

Enter text and close with a Ctl-Z (^Z):

Nr 1 R W6ABC 20 Santa Rosa CA 1230Z Nov 25

Mr George Smyth

2315 North Oak St

Phoenix Az 85040

602 458 1793 BT

Hi Dad arrived safely at

San Francisco X stop over

only two hours then Guam

X will write soon love

BT

John

AR

^Z (send control-Z to end message)

Amateurs are encouraged to use the NTS frequently - the experience will be fun, and your friends will appreciate hearing from you. -- But, most important, the experience will also give you training for emergency communications (which all Amateurs should be able to work with when the occasion demands: Mexico City, etc.)

SAMPLE NTS (National Traffic System) RADIOGRAM:

NR 23 R NLAL 23 SANTA ROSA CA 1234Z FEB 1

HIRAM MAXIM W1AW
225 MAIN ST
NEWINGTON CT 06111
666 1541 BT

DEAR HI X GREETINGS FROM
THE SONOMA COUNTY FAIR X
HAVING A WONDERFUL TIME X
WISH YOU WERE ALIVE AND
WELL X 73 BT

WAYNE GREEN W2NSD AR

PREAMBLE: MESSAGE NUMBER

PRECEDENCE: "R" = Routine
"W" = Welfare
"P" = Priority
"EMERGENCY"

CALLSIGN: Originating station

CHECK: Nr. of words and
punctuation in message

PLACE OF ORIGINATION

TIME (optional) and DATE

ADDRESS: Complete address, including
phone number if possible.

TEXT: Use "X" for "." and "COMMA"
for ",". 5 words/line for
easy counting of words.

BT & AR are prosigns sent with
the 2 letters run together on CW.

SIGNATURE: Use full name or other name
the addressee will understand.

LIST OF VALID NTS DESIGNATORS:

AK Alaska	GU Guam	MI Michigan	OH Ohio	UT Utah
AL Alabama	HI Hawaii	MN Minnesota	OK Oklahoma	VT Vermont
AB Alberta	ID Idaho	MS Mississippi	ON Ontario	VA Virginia
AZ Arizona	IL Illinois	MO Missouri	OR Oregon	VI Virgin
AR Arkansas	IN Indiana	MT Montana	PA Pennsylvania	Islands
BC British	IA Iowa	NE Nebraska	PE Prince	WA Washington
Columbia	KS Kansas	NV Nevada	Edward Island	WV W Virginia
CA California	KY Kentucky	NB N Brunswick	PR Puerto Rico	WI Wisconsin
CO Colorado	LB Labrador	NH N Hampshire	PQ Province	WY Wyoming
CT Connecticut	LA Louisiana	NJ N Jersey	Quebec	
DE Delaware	ME Maine	MN N Mexico	RI Rhode Island	AP0/FPO:
DC District of	MB Manitoba	NY N York	SK Saskatchewan	APOSF S Fran-
Columbia	MD Maryland	NF Newfoundland	SC S Carolina	cisco
FL Florida	MA Massachu-	NC N Carolina	SD S Dakota	APOSEA Seattle
GA Georgia	setts	ND N Dakota	TN Tennessee	APONY N York
		NS Nova Scotia	TX Texas	APOMIA Miami

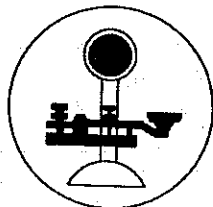
QUOTE OF THE MONTH

Will Rogers remarked that "We're all ignorant, only about different things." Nobody can be faulted for being ignorant, only for choosing to remain so.

-- Alexander E Braun in an editorial in Microwave Systems News and Communications Technology magazine.

The **MEMBERSHIP APPLICATION** on the next page should be filled out by everyone for renewal next month.





APPLICATION FOR MEMBERSHIP

SONOMA COUNTY RADIO AMATEURS, Inc.
PO Box 116
Santa Rosa, CA 95402



NAME _____

CALL _____

ADDRESS _____

PHONE NR. _____

ZIP _____

ARRL Member? YES () NO ()

CLASS OF MEMBERSHIP _____
(Full or Sponsoring - Full membership
available only to licensed amateurs)

DUES RECEIVED: \$ _____

INITIATION FEE: \$ _____

WOULD LIKE TO PARTICIPATE IN:

() Running for office of _____

() Net Control Station

() Serving on nominating committee

() Repeater Committee

() Other SCRA volunteer positions

() Technical Committee

() Public Service events

() Homebrew Contest

() RACES or ARES emergency services

() Packet Radio

() Club newsletter, "Short Skip"

() Taking Novice Classes

() Mini DX-peditions

() Taking Upgrade Classes

() Social events (picnics, potlucks,
Christmas Party etc.)

() Teaching a Class

() _____

(New Members only):

B A D G E

Fill in exactly as it should
appear on your badge

Callsign _____

First Name _____

City _____

MEMBERSHIP LOTTERY

(\$.25 per meeting)

Call _____

I wish to participate:

YES () NO ()

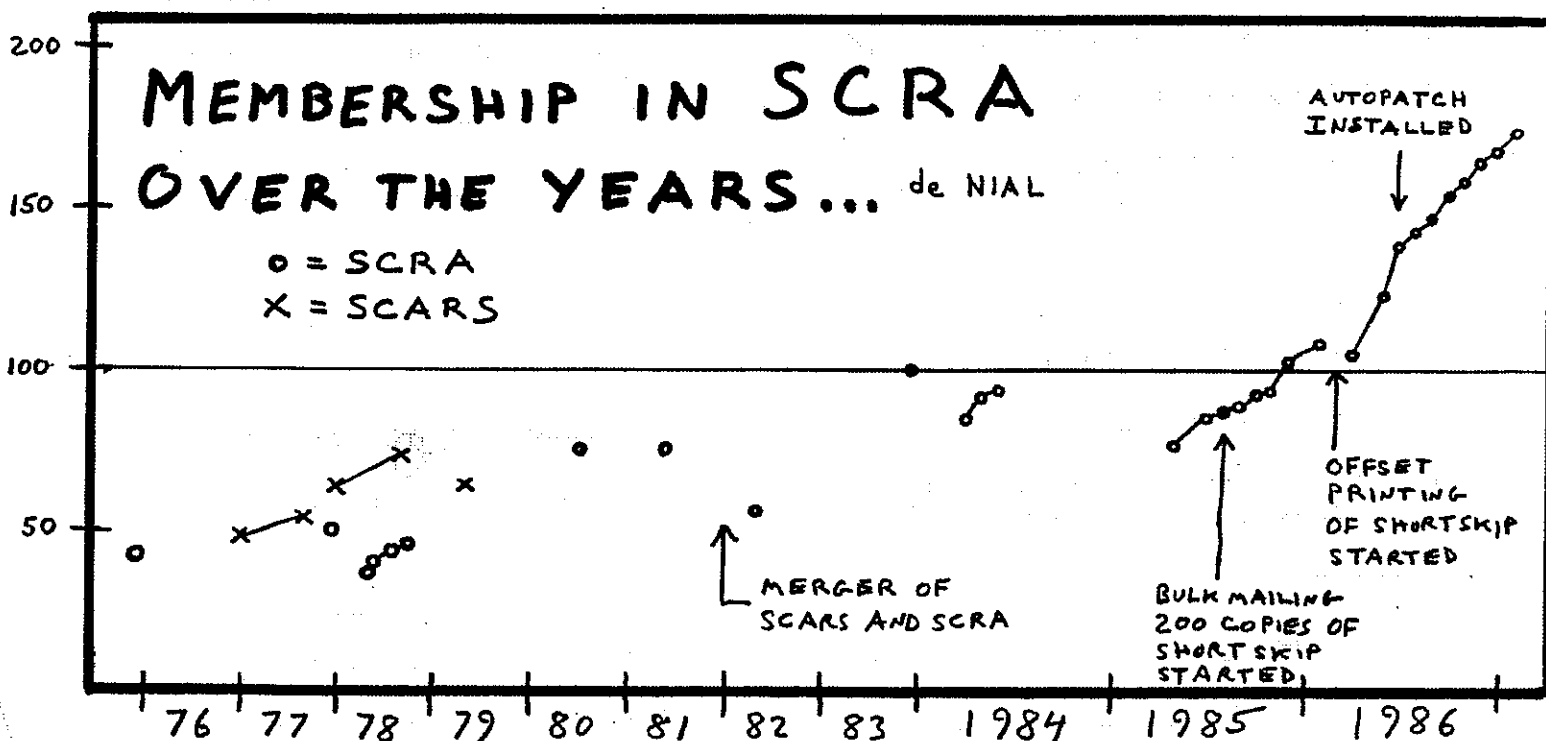
COMMODORE COMPUTER INFO

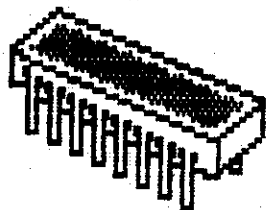
Here's a little help for all you packeteers trying to hook up the MFJ-1270 TNC to a Commodore 64 via the TTL port (without using an RS-232 interface). MFJ made one little mistake when they constructed the 1270: the male TTL connector on the back was installed upside down, so if you follow the TTL hook-up sequence given in Chapter 2 page 3, it will be backwards. To correct this problem, simply reverse the number sequence 8 through 1, and your problems are solved. Another small problem is with the DTR wire. After talking with MFJ, we found that most terminal programs will not work with the DTR wire connected. I solved the problem by connecting it via a micro on/off switch, allowing me to use it or not, depending on the terminal program used. Well, packeteers, there you have it, straight from the guy who spent over 15 hours figuring out MFJ's little goof-up!

A "COMMODORE SHOW" will be held at Brooks Hall in San Francisco from Friday 2/20 through Sunday 2/22. Cost is \$10 per day or \$15 for all three days. For more info, contact "Computer Swap" at (800) 252-SWAP.

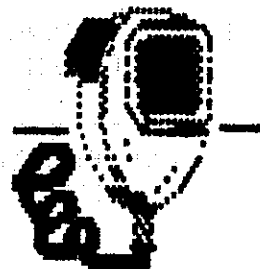
While on the subject of Commodore computers, when you start getting a lot of FILE NOT FOUND's, that is the tip-off that the drive may be out of alignment. (Commodore drives are famous for this.) There are several programs on the market that allow you to align your own drive, but most require taking the drive apart and making hardware adjustments. For those of you that choose not to attempt this sometimes-delicate job, you can take it to a repair center, which charges around \$35 - \$40. Or "A LITTLE PLUG FOR MYSELF", I do disk drive alignments for \$25, diagnosis for \$10, have a 1-day turn-around time, and guarantee my work for 90 days. So if you are having problems, give me a call at 707-584-3425 anytime.

-- Garry N6ONZ





H.S.C.



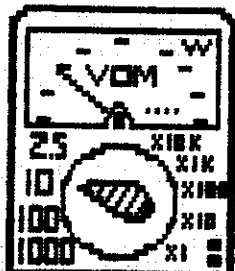
ELECTRONIC SUPPLY

6819 SOUTH SANTA ROSA AVENUE - COTATI

792-2277

ONE BLOCK SOUTH OF NEW K-MART IN ROHNERT PARK

MFJ	1270 PACKET TNC	\$139.00
AVANTI	On-Glass 2 Meter Antenna	\$42.50
LARSEN	2 Meter 5/8 Wave Mag-Mount Complete	\$37.00
ALINCO	2 Meter Hand-helds and Mobile rigs	
COM-SPEC TT Encoders	RF CONCEPTS 2 Mtr Amplifiers	
REGENCY/BEARCAT Scanners	GORDON WEST CW Tapes	

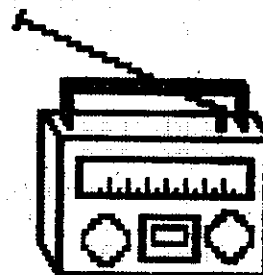


CONSIGNMENT NOW TAKEN

ON AMATEUR RADIO GEAR!

PHONE IN YOUR ORDERS,

DELIVERY BY NEXT-DAY UPS!

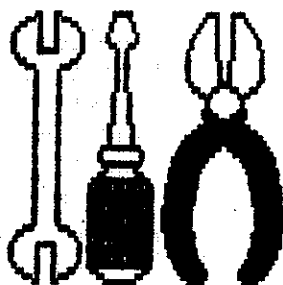


WE STOCK THE MAJOR PRODUCTS & BRANDS

MIRAGE LINEARS, KLM ANTENNAS, ARRL PUBLICATIONS, VAN GORDEN ANTENNAS, DICK SMITH PRODUCTS, LARSEN ANTENNAS, TAB BOOKS, AND MANY MORE!

COME VISIT OUR COMPUTER & HAM ROOMS

HAVE A FREE CUP OF COFFEE, BROWSE AROUND THE STORE AND SEE ALL THE SURPLUS BARGAINS THAT ARE AVAILABLE. CHECK OUT OUR NEW AND USED COMPUTER EQUIPMENT IN THE "COMPUTER ROOM". STOP INTO OUR (SOON TO BE COMPLETED) "HAM ROOM" AND "QSO" WITH YOUR LONG LOST FRIENDS. COME CHECK US OUT, YOU'LL BE HAPPY YOU DID!



EVENTS CALENDAR:

(Don't forget SCARS net every
Tuesday at 7:00 PM on 146.13/73)

NOTE: Don't forget the new SCRA net
starts Feb 10 and 17 at 7 PM
28.150 CW and 28.550 phone.

FEBRUARY:

- 2 - RACES etc. Net 7:30 PM
- 4 - SCRA meeting 7/7:30 PM
- 10 - SCRA 10M net 7PM (see above)
- 16 - RACES etc. Net 7:30 PM
- 17 - SCRA 10M net 7PM (see above)
- 19 - CDF VIP Meeting 7:30 PM
- 21-22 - ARRL DX Contest (CW)
- CQ 160 Meter Test, Phone

MARCH:

- 7-8 - ARRL DX Contest (Phone)
- 2 - RACES etc. Net 7:30 PM
- 4 - SCRA meeting 7/7:30 PM
- 1987 DUES PAYABLE!
- 16 - RACES etc. Net 7:30 PM
- 19 - CDF VIP Meeting 7:30 PM

APRIL:

- 13 - ARRL 144 MHz Sprint
- 21 - ARRL 220 MHz Sprint
- 24-26 - Dayton Hamvention
- 26 - March of Dimes Walkathon
- 29 - ARRL 432 MHz Sprint

MAY:

- 8 - ARRL 902 MHz Sprint
- 14 - ARRL 1296 MHz Sprint
- 23-24 - ARRL 50 MHz Sprint

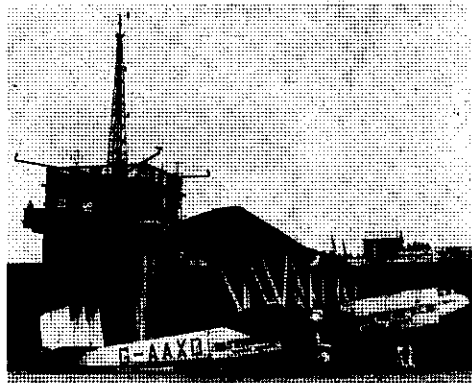
JUNE:

- 27-28 - Field Day

SEPTEMBER:

- 19 - SCRA Flea Market

VE EXAMS HOTLINE NR: 408-984-8353



1920 First remotely operated ground-air
Radio-telephone transmitter installed
at world's first civil airport.

HANK'S SWAP SHOP

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

AEA Model CP1 RTTY-to-computer
interface with RS-232. Could be
modified for packet. \$75.
CENTURY 21 CW xcvr fine for Novice
\$150. Doug WW6D 526-5131.

KENWOOD 830. Robot 400 & 800 with
B/W monitor. \$1300 for all. N6JLP
Bill 823-5652.

HEATH SB-200. KW amp uses 3-500
tubes. \$495. Dave K6SZK 545-0178.

KENWOOD 820. YAESU 101ZD.
SUBTRONICS mod 2000 solid-state VOM.
TIMEX-SINCLAIR 1000 computer,
printer, interface, TRS81 recorder,
books, programs on tape. CANNON
Typestar 6 - Battery opr. typewriter
also plug-in supply. RANDIX SC/R610
Radio/tape recorder. Hank W6DTV
823-7885.

SWAN 250 6 mtr SSB xcvr, VX-2 (VOX),
117XE supply, TV-2 transverter,
SHURE 450 desk mic, manuals, all for
\$275 or best offer. MOTOROLA 2 Meter
Repeater available - solid state
except finals. KB6BKN 415-897-4088.

TRADE: MFJ 1270 packet TNC for
CW/RTTY computer interface for
Commodore 64 or electronic keyer
with Bencher of Vibroplex key. Have
STEEL TOWER, 10 ft roof mount with
base plate. Garry N6ONZ 584-3425.

LATE NEWS FLASH...

ARRL Bulletin Nr 7, Jan 26, 1987, from W1AW:

The FCC has announced that written examina-
tion credit for Amateur Radio exams, PR
Docket 86-63, will become effective Feb 13,
1987. Also, the Office of Management and
Budget, OMB, has approved a revised FCC form
610. However, the July 1985 version of the
form 610, with an OMB expiration date of
3/31/88, will remain in use until revised
forms are available.



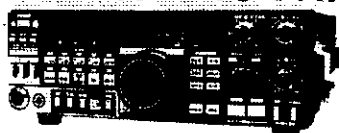
HAM RADIO OUTLET

LARGEST HAM OUTLET IN THE WORLD

OUR COMMITMENT TO YOU IS
QUALITY, ACTION & SERVICE.

7 STORE BUYING POWER

KENWOOD TS-711A TS-811A



Ideal VHF/UHF base stations for
2M/70CM transceive operation.

GREAT PRICES. CALL

KENWOOD TS-940S



TOP-OF-THE LINE
HF TRANSCEIVER

CALL FOR LOW, LOW PRICE

KENWOOD **NEW**

TH-21BT/31BT/41BT

MINI HAND-HELD

With dip switch
programmable
CTCSS encoder
built-in.



**GREAT
PRICE!**

KENWOOD TS-440S



HF TRANSCEIVER

- 160-m to 10-m Amateur Band
- 100-kHz to 30-MHz General
- Available with optional
built-in Antenna Tuner

CALL FOR PRICE!

**NOW! RAPID DELIVERIES
FROM OUR OUTLETS**

**COAST
TO COAST**

To Our Customers

KENWOOD TM-2570



FIRST COMPACT 70W/2M
FM MOBILE TRANSCEIVER

IN STOCK FOR IMMEDIATE DELIVERY

KENWOOD TR-751A



COMPACT 2-METER
ALL MODE TRANSCEIVER
LOW PRICE!

KENWOOD TM-3530A



The First Comprehensive
220 MHz FM Transceiver

**ARE YOU READY FOR
220 MHz OPERATION?**

KENWOOD TR-2600A/ 3600A

Deserves its well-
earned reputation
as the leading HT.

CALL FOR PRICE!



All Major Brands in Stock Now!



Bob Ferrero W6RJ

President

Jim Rafferty N6RJ

VP So. Calif Div.
Anaheim Mgr.

ANAHEIM, CA 92801
2620 W. La Palma
(714) 761-3033, (213) 860-2040
Between Disneyland &
Knotts Berry Farm

ATLANTA, GA 30340

6071 Buford Hwy.
(404) 263-0700
Neil, Mgr. KC4MJ

Doraville, 1 mi. north of I-285

BURLINGAME, CA 94010
999 Howard Ave.
(415) 342-5757
George, Mgr. WB6DSV
5 miles south on 101 from SFO

OAKLAND, CA 94606

2210 Livingston St.
(415) 534-5757
Al, Mgr. WA6SYK
17N-Sin Ave / 17S-16th Ave

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

SAN DIEGO, CA 92123

5375 Kearny Villa Rd.
(619) 560-4900
Tom, Mgr. KM6K
Hwy. 163 & Claremont Mesa Blvd.

VAN NUYS, CA 91401
6265 Sepulveda Blvd.
(818) 988-2212
Al, Mgr. K6YRA
San Diego Fwy.
at Victory Blvd.

STORE HOURS
10 AM-5:30 PM
CLOSED SUNDAYS

**FREE
SHIPMENT**

CALL TOLL FREE (800) 854-6046

Toll free including Hawaii. Phone Hrs. 7:00 am to 5:30 p.m. Pacific Time. California, Arizona and Georgia customers call or visit nearest store. California, Arizona and Georgia residents please add sales tax. Prices, specifications, descriptions subject to change without notice.



NEW LOCATION!

LETTER SHOP PRINTING

4283 Montgomery Dr., P.O. Box 2614
Santa Rosa, CA 95405 • 539-1252

A FULL SERVICE PRINT SHOP

Announcements	Envelopes	NCR forms
Booklets	Enlargements	Negatives
Brochures	Flyers	Newsletters
Business cards	Film processing	Numbering
Business forms	Graphics	Pamphlets
Binding	Hole punching	Postcards
Bulletins	Illustrations	Posters
Copying	Labels	Price lists
Collating	Layout dept.	Reductions
Catalogs	Letterheads	Resumes
	Manuals	Reports
	Mailing labels	Rubber stamps
		Stapling
		Stationery
		Stats
		Typesetting
		Tickets

Wedding announcements

... and more!

SHORT SKIP
friends
and families

COPIES
5¢ each

through
March
31st

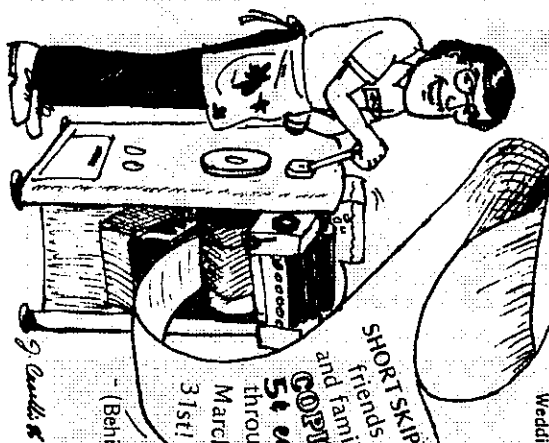
Remember us for ALL
your printing & copying needs!

PHIL & MARSHA

539-1252

4283 Montgomery Drive — Santa Rosa

(Behind Carns Restaurant — Lakeside Shopping Center)



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

BULK RATE
U.S. POSTAGE PAID
SANTA ROSA, CA
PERMIT NO. 658

DERI BREMER & FAMILY
445EV
6200 RUBIN LANE
SANTA ROSA CA 95401

Address Correction Requested