

SCCARA-GRAM

Santa Clara County Amateur Radio Association

Volume 12, Number 6

June 1996

President's Prose

Summer is almost here and SCCARA is ready. The first weekend of summer, Saturday, June 22 and Sunday, June 23 will be Field Day. We will be having Field Day at Mount Madonna County Park, as in years past. Dan Dietz WM6M is Field Day Chairman and is already hard at work sorting out all of the many details that have to be set before the first contact is made. He is working with a great committee of SCCARA members and I can already tell that they are doing a great job.

For those of you who have never been to Field Day let me tell you that it is great fun. Especially for no-code tech's this is a great opportunity to practice some CW and to work HF phone. I really had a great time the last three years that I have attended.

Mount Madonna is a beautiful park and we have reserved our usual spot which is perfect for overnight camping. Many members come up on Friday to help set up and then camp over night. There is plenty to do for the non-ham members of your family. There are hiking trails and there is a big enclosure where there are deer and other animals to see. My XYL and her two sons had a great time last year hiking and checking out the park.

If that's not enough, don't forget the great BBQ lunch that will be prepared by Barbara Britten KD6QEI with help from Wally KA6YMD. Barbara has prepared lunch in years past and it is the high point of the weekend, at least for me. There is a choice of steak or chicken and they are both delicious. Barbara is also making breakfast on Sunday morning for those who stay overnight and sign up for it.

This will be a really fun weekend so be sure to sign up now. There is a form to fill out on the last page of the SCCARA-GRAM for your convenience. Be sure to get it in early and be ready to have a great time.

Hugh, KD6EFL



Calendar

- 6/8 Foothill Flea Market--We Host!
- 6/10 SCCARA General Meeting
- 6/17 SCCARA Board Meeting--(San Jose Red Cross, 7:00p, all are welcome)
- 6/22-23 Field Day

Next General Meeting

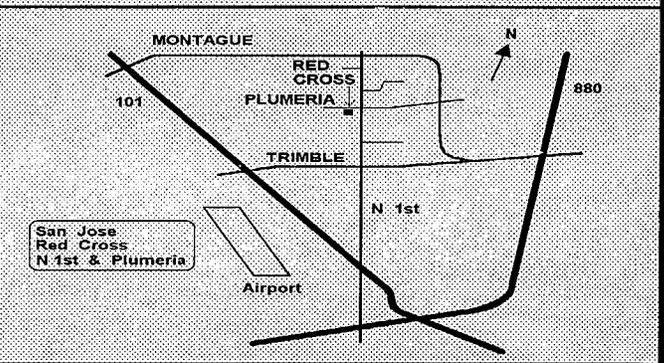
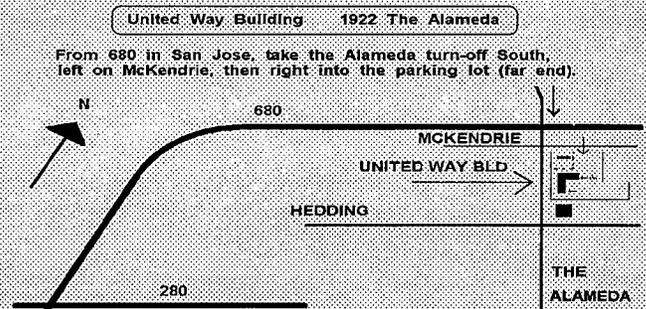
Day: Monday, June 10, 1996

Time: 7:30 PM

Place: United Way Building

Agenda:

(No information was received from the V.P.)



The *SCCARA-GRAM* is published monthly by the SANTA CLARA COUNTY AMATEUR RADIO ASSOCIATION, PO Box 6, San Jose CA 95103-0006. Permission to reprint articles is hereby granted, provided the source is properly credited.

SCCARA was formed as a general interest amateur radio club in 1921 and became a non-profit corporation in 1947. SCCARA is an affiliate and *Special Services Club* of the American Radio Relay League.

The club station, W6UW, is currently out of service.

Articles for the SCCARA-GRAM must be submitted to the editor a week before the last Monday of the month.

OFFICERS and DIRECTORS

President	Hugh Collis, KD6EFL	246-9374
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Photographer	Bob Keller, KB6OHO	725-1034

COMMITTEES

Repeater	Keith Butts, KN6K	248-3849
Youth Group	George Brady, AB6OZ	729-9012

SCCARA REPEATERS

SCCARA owns and operates two repeaters under the call W6UU:

2 meter:	146.385 +	PL 114.8 (none for basic use)
70 cm:	442.425 +	PL 107.2

Phone patch capability is available with a small subscription fee. The two meter repeater is located in the Mt. Hamilton foothills, Alum Rock area. The 70 cm repeater is located at the Alexian Brothers Hospital, North of 280 and 101.

SCCARA NETS

On our two meter repeater: Mondays at 7:30 PM, (not the second monday--it's our meeting night). Net control: Joe WA6DXP.

On ten meters, 28.385 MHz USB, Thursdays at 8:00 PM. Net control: Wally KA6YMD.

Visitors welcome to join in on the SCCARA nets.

IMPORTANT TELEPHONE NUMBERS

SCCARA HOTLINE:	249-6909
ARRL LICENSE (VEC) HOTLINE:	984-8353

Meeting Minutes

General Meeting, May 13, 1996



[No minutes were received. --Editor]

Board Meeting, May 20, 1996



[No minutes were received. --Editor]

Flea Market Time

SCCARA is the sponsor of the June 8 Foothill Amateur Radio Flea Market. This is a great opportunity to generate additional funds to help celebrate our club's 75th anniversary. The flea market is a manpower intensive endeavor but the more volunteers there are the easier it is for everyone. The shifts are in two hour increments so as not to overburden anyone. If you can handle more than one shift, let me know.

The shifts are:

- A 0500-0700
- B 0700-0900
- C 0900-1100
- D 1100-1300

The initial sign-ups are:

- Shift A: Wally, Clark, Rex, Gary M, John K, Lou
- Shift B: Doug, Don H, Lloyd
- Shift C: Dan, Terry, Henry, Mike M, Ron, Keith
- Shift D: Mike H, Adrian

Additional help could be used anytime but especially in the afternoon for tear down and clean up. Talk it up on the radio and bring a friend. Give me a call if you would like to help or have names of additional helpers.

Thanks, Lou WA6QYS (408 241-7999)

Class Complete

The SCCARA Novice, Tech, Tech+ class is complete. Many thanks to our instructors Bob Getsla WA6WHT, Don Hayden KO6HH, Doug Eaton WN6U, Jack

Ruckman AA6FU, Roy Metzger K6VIP and yours truly.

The class was held at the Santa Clara Adult Education Center located at 1840 Benton Street. Class duration was ten weeks. Start time was Thursday with CW practice at 1830 and the theory running from 1930-2100.

We started with 20 students but ended with a dozen or so. Unlike previous classes, this one appeared to have a more "non-electronic" flavor. I believe there was only one man that knew the electronics side prior to the class.

The local Volunteer Examiners came to the classroom on the last class night and administered exams. Our pass ratio was not the best. We had a half dozen that passed the Novice written exam but only two survived the Technician exam. We also had a couple students that passed the 5 wpm code.

Many thanks to all. Lets do it again (maybe in the fall).

73, Mike KB6LCJ

VLF HAM Band

From The ARRL Letter
May 3, 1996

The UK Radiocommunications Agency has announced a new VLF band for Amateur Radio. The RA says the allocation, 71.6 KHz to 74.4 KHz, was assigned following requests from the Amateur Radio community, particularly from radio amateurs who wish to investigate propagation through the ground by transmission from underground caves. The allocation will be available to Class A Amateur Radio licensees in the UK who wish to investigate LF propagation.

Introduction To Packet Radio

by
Larry Kenney, WB9LOZ
Part 13

In this part of the series and the next we'll take a look at some of the TNC commands available to you that we haven't covered previously. You might find that some of the commands are not available in your particular TNC or that they're used in a slightly different manner than what is presented here. Not all TNCs operate exactly the same. Please refer to your owner's manual for specific details on how to use these commands if they don't function as described here.

8BITCONV: This command enables the transmission of 8-bit data in converse mode. Used with AWLEN - see below. For normal packet operation, such as keyboard to keyboard transmissions, use of bulletin board systems, and the transmission of ASCII files, 8BITCONV should be OFF. If you need to transmit 8-bit data, set 8BITCONV ON and set AWLEN to 8. Make sure that the TNC at the receiving end is also set up this way. This procedure is normally used for transmission of executable files or a special non-ASCII data set.

AWLEN: This parameter defines the word length used by the serial input/output port of your TNC. For normal packet operation, as described above, AWLEN should be set to 7. Set to 8 only if you're going to send 8-bit data.

AX25L2V2: This command determines which level of AX.25 protocol you're going to use. If OFF, the TNC will use AX.25 Level 2, Version 1.0. If ON, the TNC will use AX.25 Level 2, Version 2.0. Note: Some early TNCs will not digipeat Version 2.0 packets. With AX25L2V2 OFF, if your TNC sends a packet and the packet doesn't get acknowledged the first time it was sent, it will send it again and again, until an "ack" is received or the TNC retries out. With AX25 ON, if your TNC sends a packet and doesn't receive an "ack" the first time, it will send a poll frame to see if the other TNC received the packet. If yes, then it would continue, if not then it would send the last packet again. The advantage here is that short poll frames are sent, rather than long packets containing data. This can greatly reduce channel congestion. For VHF/UHF operation, it is almost essential that every TNC have AX25L2V2 ON. Many operators have suggested that Version 2.0 NOT be used on the HF bands as it tends to clutter the frequency with poll frames. See the CHECK command below for related information.

BEACON: Used with EVERY or AFTER to enable beacon transmissions.

BEACON EVERY n - send a beacon at regular intervals specified by n.

BEACON AFTER n - send a beacon once after a time interval specified by n having no packet activity on the frequency.

n = 0 to 250 - specifies beacon timing in ten second intervals. 1 = 10 seconds, 2 = 20 seconds, 30 = 300 seconds or 5 minutes, 180 = 1800 seconds or 30 minutes, etc. For example, if you set BEACON EVERY 180 (B E 180), the TNC will transmit a beacon every 30 minutes. If you set BEACON AFTER 180 (B A 180), the TNC will transmit a beacon after it hears no activity on the frequency for 30 minutes. B E 0 will turn the beacon off. The text of the beacon is specified by BTEXT and can contain up to 120 characters. The path used for the beacon transmission is specified by the UNPROTO command. **YOU SHOULD USE BEACONS INTELLIGENTLY!** Beacons are often a point of controversy in the packet community because they tend to clutter the

Packet Pieces

Downloaded from the packet network:

=====
Date: 29 Apr 96 22:10
From: KB8NW@WA8BXN
To: QST@ARL
Subject: ARLB023 FCC denies petition

QST de W1AW From ARRL Headquarters Newington CT
April 29, 1996

To all radio amateurs

FCC denies petition

Citing overwhelming opposition, the FCC has denied a Petition for Rule Making, RM-8626, filed last year by Frederick O. Maia, W5YI, that would have prohibited one-way transmissions of bulletins and code practice--such as those aired by W1AW--on frequencies below 30 MHz. Maia had argued that such transmissions were outmoded and that some one-way, broadcast-type transmissions have interrupted two-way communications already in progress.

Maia publishes the commercial newsletter the W5YI Report, manages the W5YI-Volunteer Examiner Coordinator and publishes training materials for amateurs.

When he filed his petition, Maia expressed concern over the level of anger directed at certain one-way transmissions. "The proliferation of these stations has caused chaos in the amateur community that has now reached crisis proportions," he said.

The ARRL said that Maia's arguments were overstated and inflammatory, and the League urged the FCC "in the strongest possible terms" to deny or dismiss the petition without further consideration. The League cited W1AW's 65 years of free service to amateurs; other countries whose amateur societies also conduct informational bulletins on the air; the absence of any allegations that W1AW creates any significant interference to ongoing amateur communication; and the value of W1AW's bulletins in alerting amateurs to emergency situations.

The League said that "any on-air anger perceived by Maia" ought to be the subject of FCC enforcement action, not rules changes, saying such situations were the direct result of the Commission "allowing abuses to continue for months and years" rather than addressing them in a timely manner in the context of the existing rules.

The ARRL also said that W1AW code practice as a free

frequency if used too frequently. You should keep your beacons short and infrequent and they should only be used for meaningful data. Bulletin boards use the beacon for advising the community of who has mail waiting for them, clubs use beacons for meeting announcements, and beacons are used for severe weather warnings. In areas with heavy packet activity, beacons should not be used just to let everyone know that you're monitoring the frequency, that your mailbox is ready, or that you'd like someone to connect to you. You should monitor the frequency for activity and make some connections yourself.

CHECK n: Sets a timeout value for a packet connection. When a connection between your station and another seems to "disappear" due to changing propagation, channel congestion or loss of the path, your TNC could remain in the connected state indefinitely. If the CHECK command is set to a value other than 0, the TNC will attempt to recover the connection or disconnect. The action taken depends on the setting of AX25L2V2. The value of CHECK (n) may be set from 0 to 250 and the timing is based on the formula of $n * 10$ seconds. (n = 1 is 10 seconds, n = 5 is 50 seconds, n = 30 is 300 seconds or 5 minutes, etc. A value of 30 is a recommended value to use.) If CHECK is set to 0, it disables the command. If AX25L2V2 is ON, the TNC will send a "check packet" to verify the presence of the other station if no packets have been heard after (n * 10) seconds. If a response to the "check packet" is received, the connection will remain. If no response is received, the TNC will begin the disconnect sequence, just as if the DISCONNECT command had been sent. If AX25L2V2 is OFF, after no packets are heard for n * 10 seconds, the TNC will not send a check packet, but will begin the disconnect sequence.

CMSG: Enables the automatic sending of a connect message whenever a station connects to your TNC. If CMSG is ON, the TNC will send the message contained in CTEXT as the first packet of the connection. CTEXT can contain up to 120 characters. Of course, you must have a message in CTEXT for CMSG to function. This feature is often used when the station is on but the operator is not present. The connect message is used to advise the other station of that fact, and often says to leave a message in the TNC buffer or mailbox. If CMSG is OFF, the CTEXT message is not transmitted.

KISS: KISS enables the TNC to act as a modem for a host computer, allowing programs such as TCP/IP, the G8BPQ Packet Switch, various BBS programs, and other programs using the Serial Link Interface Protocol (SLIP) to be run. Before turning KISS on, set the radio baud rate and terminal baud rate to the desired values. Set KISS to ON and then issue a RESTART command.

alternative to Maia's retail sale of code practice products "is sufficient rebuttal to the allegation that the code practice has 'outlived its usefulness'."

During the comment period, the FCC said it received 371 comments opposing Maia's request and 20 comments supporting it. While acknowledging some disagreement about the propriety of one-way transmissions on HF bands, the Commission said the overwhelming opposition to Maia's petition "persuades us that the amateur service community continues to view the one-way information bulletins and the text for telegraphy practice to be of great value to the service."

=====
Date: 29 Apr 96 22:11
From: KB8NW@WA8BXN
To: QST@ARL
Subject: ARLB022 FCC 5 GHz news

QST de W1AW From ARRL Headquarters Newington CT
April 29, 1996
To all radio amateurs

FCC 5 GHz news

The FCC has proposed making available 350 MHz of spectrum at 5.15-5.35 GHz and 5.725-5.875 GHz for use by so-called NII/SUPERNet devices. The spectrum includes part of the shared Amateur Radio allocation at 5.65-5.925 GHz. The unlicensed devices provide short-range, high-speed wireless digital information transfer and could support new wireless local area networks (LANs) and facilitate access to the Internet. The proposal is in response to Petitions for Rule Making from Wireless Information Networks Forum (WINForum) and Apple Computer Inc.

The FCC has proposed regulating NII/SUPERNet devices under its Part 15 rules. "Unlicensed Part 15 status would facilitate spectrum reuse and provide protection to incumbent and proposed primary operations," the Commission's announcement said. The Commission also has proposed only the minimum technical standards necessary to prevent interference to other unlicensed devices as well as to services already using those frequencies, and to ensure efficient spectrum use. Proposed rules specify power limits, out-of-band emission limits and a basic "listen-before-talk" protocol. Details of the proposed rules are not yet available, however, according to ARRL General Counsel Chris Imlay, N3AKD. The FCC said it was encouraging industry to develop additional standards it believes necessary.

In a separate statement, FCC Commissioner Susan Ness said such unlicensed devices "can play a vital role in meeting established and incipient needs for

communications offering mobility, flexibility, versatility and economy." She said she was "especially enthusiastic" about WINForum's proposal, and said the proposal sets the FCC on a course that will "bring substantial benefits, with no intrusive governmental intervention."

=====
Date: 9 Dec 95 03:30
From: AA2AD@KB2OBB
To: TEKTIP@ALLUS
Subject: Troubleshoot power supplies

TEKTIP.7 - Troubleshooting power supplies, Part 1.

In previous TEKTIPS we examined some component testing techniques, explored some test equipment, and listed some resources. It is now time to discuss troubleshooting specific circuits. There is some logic to beginning with power supplies. Power supplies are sometimes easier to troubleshoot than other circuits and are the most likely of circuits to require repair, while diagnosis of other circuits often begins at the power supply. It will require a few TEKTIPS to cover this subject.

BLACK BOXES

I will often refer to the "black box" concept. Black boxes can correspond to the blocks in a block diagram; identifiable, discreet circuits or stages which have inputs and outputs. An analog circuit black box typically has inputs of signal and power, and has an output of signal which has been amplified and/or otherwise processed. A black box may consist of other black boxes.

Black Box Theorem #1: If any black box yields appropriate outputs when appropriate inputs are applied, all of the subunit black boxes in the larger black box are functioning properly.

There is another concept which all good technicians practice. Have you ever played this number-guessing game? One player picks a number, which the other players attempt to guess. After each guess, a clue is given: the guess was either too high or too low. Is it a good strategy to start guessing at zero and increment each guess by one? Of course not!

Black Box Theorem #2: Each step of the troubleshooting process should be an attempt to divide the problem in half.

THEORY

A power supply consists of some combination of these subunit black boxes, in this order. Our troubleshooting technique will be to isolate the black boxes, testing them for appropriate input and output.

Input interface: The cord, switch, protection device, power transformer, etc. which connect the energy source to the rig.

Rectifier: If the energy source is in the form of a.c., rectifier semiconductors (or tubes) convert the a.c. to d.c.

Filter: The output of the rectifier stage is pulsating d.c. Filters smooth out those pulses.

Regulator: Many circuits require voltage which has a very specific, steady value. The regulator keeps the output voltage within acceptable specs.

Output interface: The current limiting resistors, wires or traces, protection devices, etc., which couple the power supply to the rest of the rig.

PRACTICE

IMPORTANT: From here on, many tests are done with the power on. BE CAREFUL!

For almost any catastrophic equipment failure, the power supply represents a good diagnostic starting place. Of course, the first step is to perform an external assessment. Before you even take the cabinet off, carefully observe everything that you can. Begin with the power cord. Is it plugged into a live socket? Don't laugh - I spent more time than I care to admit trying to fix a computer that was plugged into a socket controlled, unbeknownst to customer and me, by a wall switch. What symptoms did the equipment show in its final moments? Was there smoke or noise? If the unit is still functioning, is there a hum from the speaker? Where there any external influences, such as lightning or spilled Pepsi? If the house has a 220 volt service, a poor ground connection can put 220 volts across all of the 110V receptacles, or even more as a line transient at the moment that the air conditioner kicks on. Is there a fuse holder accessible from the outside? I will never stop harping on the importance of looking for the obvious, probably because I have such a hard time remembering to do that myself.

After an inventory of externals it is time to unplug the rig and take the cover off. Take a few minutes to look at the guts and see how they are laid out. It should be easy to identify the power supply section. Look for the power transformer, which is generally the largest transformer in a rig, filter capacitors, which are the largest capacitors, and rectifiers. Give another careful visual inspection, looking for parts which may have overheated, and look for internal fuses.

At any time you find an open fuse, replace it with exactly the same type and current rating. If the replacement blows, resist the temptation to try a higher rating - there is

something else wrong with the rig.

If all seems in order, plug the rig back in and turn it on. Black box Theorem #2 dictates that we should try to divide the problem in half. By measuring the power supply's output, the tech can determine whether the problem is in the power supply or elsewhere in the circuit.

If you have a schematic of the rig, study it to determine where the output of the power supply is. There will probably be several different feed points which supply different voltage and current levels appropriate for the different rig circuits: one or more tightly regulated low voltage / low current lines for oscillators and low-level amplifiers, one or more lines capable of higher current flow for high-level amplifiers, and one or more circuits directly from the transformer (e.g. unrectified a.c.) for incandescent lamps and tube filaments. The schematic will probably show expected voltage readings for each of these feed points. By searching for specific components as shown in the schematic, you will be able to determine where to measure voltages and see if they match the values given in the schematic.

Voltages are almost always measured as relative to the chassis ground. Connect one lead of your voltmeter to the metal case. If you are measuring positive (+) voltage, clip the negative lead of the meter to ground. Plug the rig in and turn it on, and carefully measure the voltage at each of the test points which you previously identified. Personally, I take the time to make written notes of my findings. They often come in handy later on.

If you do not have a schematic and don't have a clue about where to start, try measuring the voltages across filter capacitors. The proper d.c. voltage probably be approximately 80% of the voltage rating marked on the case of the capacitor. This is not an ideal test, but it does give an idea of whether the power supply is functioning at least up to that point. A better alternative is to identify voltage regulator devices and measure their output. Be thoughtful about what values to expect. You will do better than you think!

If all voltages are correct, your problem is not in the power supply. If voltages are low, try to disconnect the output of the power supply from its associated circuits by turning off and unplugging the rig and unsoldering the connection between the power supply and subsequent stages. Repeat the voltage measurements. If the voltage returns to its expected value, you must consider the possibility that the problem is in subsequent circuit, which is drawing too much current and causing excessive voltage drop at the power supply output. If the voltage is still low, the problem is in the power supply.

We will get into troubleshooting nitty gritty next week, but you have already taken the first step of isolating a problem

with your equipment!

73, Peter (AA2AD@KB2OBB.#WNY.NY.USA.NOAM)

=====

Date: 19 Apr 96 07:04
From: AE4EQ@KF4OJ
To: HUMOR@ALLUS
Subject: A DAY OFF

A DAY OFF!

So you want the day off? Let's take a look at what you're asking for. There are 365 days per year available for work. There are 52 weeks per year in which you already have 2 days off per week, leaving 261 days available for work. Since you spend 16 hours each day away from work, you have used up 170 days, leaving only 91 days available for work. You spend 30 minutes each day on coffee break and that adds up to another 23 days each year, leaving only 68 days available for work. With a 1 hour lunch break each day, you have used up another 46 days, leaving only 22 days for work. You normally use up 2 days a year on sick leave. This leaves you only 20 days available for work. We are off on 5 holidays each year, so your working time is down to 15 days per year. We generously give you 14 days vacation each year, which leaves you only 1 day for work and I'll be DAMNED if you're going to take that day off!

-
THE PERSON WHO SAYS SOMTHING CAN'T BE DONE,
IS LIKELY TO BE PASSED BY SOMEONE DOING IT.

-
From the Happy Club, 73 de Jose, AE4EQ @
KF4OJ.#ARC

=====

Keep smiling! © 73, Gary WB6YRU

Need Help?

Amateurs have a long history of helping each other. An experienced amateur who helps another is traditionally called an "Elmer." If you have a question or problem, you are encouraged to ask one of SCCARA's Elmers. Below is a list of topics including who to contact for each.

If you consider yourself to be reasonably competent in at least one area of amateur radio and would be willing help others, please ask the club secretary for an Elmer survey form and fill it out.

Antennas, feed-lines, tuners:
WB6EMR, AC6FU, K6PBQ, W6PHF, K6RQ, WB6YRU
Lightning protection, grounding: W6PHF, WB6YRU
Station set-up, equipment: AC6FU, K6PBQ, W6PHF, K6RQ
TVI/RFI: W6PHF, WB6YRU
Homebrew projects, construction: AC6FU, KD6FJI, W6PHF, WB6YRU
Computers: KB6NP; IBM PC: WN6U, WB6YRU
Packet Network (BBS, forwarding): WB6YRU
Other digital modes (AMTOR, RTTY): WN6U
Code operating and installations:
WB6EMR, AC6FU, K6PBQ, W6PHF, K6RQ
Contesting & techniques: W6PHF, K6RQ
DX (long distance/propagation): W6PHF, WB6EMR, K6RQ
Emergency operating/preparedness: W6PHF, WA6QYS
FM (VHF/UHF, repeaters): W6PHF, WA6VJY
HF operating techniques (SSB, CW):
WB6EMR, AC6FU, K6PBQ, W6PHF, K6RQ
Mobile operating: W6PHF, K6RQ, WN6U
NTS & traffic handling: W6PHF
QRP (HF low power, all modes): W6PHF, WN6U
TEN-TEN (10 M only): AC6FU
Classes/license upgrading: W6ACW, AC6FU, W6PHF
Legal/FCC rules: WB6YRU
SCCARA (club inner workings):
K06HH, K6PBQ, WA6VJY, WB6YRU, WA6QYS
Math applications: AC6FU
Children's Discovery Museum, volunteer operator: K6PBQ

W6ACW, Ed Hajny, (408) 739-6105

WB6EMR, James D. Armstrong, Jr.,
day: (408) 995-0621, evening & msg: (408) 945-1202

KD6FJI, Lloyd DeVaughns,
day: (408) 299-8933, evening: (408) 225-6769
packet: home BBS KB6MER

AC6FU, Jack L. Ruckman, (408) 379-4846

K06HH, Don Hayden, (408) 867-4643
packet: home BBS NOARY

KB6NP, Jon Dutra, day & msg (408) 428-2058
evening (408) 867-8654
packet: home BBS NOARY
internet: jad@aol.com

K6PBQ, Don Village, (408) 263-2789

W6PHF, David Palmer, (415) 948-9527

WA6QYS, Lou Steirer, (408) 241-7999
packet: home BBS NOARY

K6RQ, Frank Glass, (408) 356-1026

WN6U, Doug Eaton, (408) 377-3736
packet: home BBS NOARY
internet: deaton1@ix.netcom.com

WA6VJY, Stan Getsla, day: (408) 738-2888 x5929,
evening & msg: (408) 275-0735

WB6YRU, Gary Mitchell, msg (408) 265-2336
also (408) 269-2924
packet: home BBS NOARY
internet: wb6yru@arasmith.com

ARRL Pacific Division Update

June 1996

FCC Cracks Down On 2-Meter Jammer

Irvin J. Foret, KB5UJD, of Metairie, LA, one of a group of hams cited for 2 meter interference in the New Orleans area, has agreed to immediately surrender his Amateur Radio license for life and permanently divest himself of all electronic equipment capable of transmitting on the ham bands. In addition, Foret has agreed to refrain for life from applying for any FCC license or permit, regardless of the service; from participating as a third party in any communication in the Amateur Radio service; and from transmitting on CB. Foret also agreed to pay \$500. In addition, Foret agreed to "cooperate fully and completely with all government officials in connection with any ongoing or future administrative or law enforcement investigations" or proceedings involving ham radio operations by others.

Just maybe this is the beginning of FCC enforcement of rules. See editorial on page 9, June 1996 QST and page 77 June QST for more details.

Vanity Calls - Gate 1 Opens May 31, 1996

Amateur operators who meet the following eligibility standards may request a vanity call sign on or after May 31, 1996. File your request on FCC Form 610-V. Legibility is critical! If the information on your application is not legible, you could experience a delay in processing, lose the opportunity to obtain a requested call sign, or even obtain a call sign different from what you want. You must hold an unexpired amateur operator/primary station license grant of the proper operator class, as described below, to request a vanity call sign for your primary station. To request a vanity call sign for a club station, you must also hold an unexpired club station license grant listing you as the license trustee. Refer to the FCC licensee data base to verify that the call sign you are requesting is not already assigned. A call sign is normally assignable two years following license expiration, surrender, revocation, set aside, cancellation, void ab initio, or death of the grantee. See Fact Sheet PR5000 Number 206-V AMATEUR STATION VANITY CALL SIGN SYSTEM. For explanations of Groups A, B, C and D and the geographic regions, see Fact Sheet PR-5000 #206, *Amateur Station Sequential Call Sign System*.

Request by former holder (primary station)

- For your primary station, you may request a call sign that was previously assigned to your primary, secondary, repeater, auxiliary link, control, or space station. When so requesting

for your primary station, you may request your former call sign even though it has been unassigned for less than two years. The two year requirement does not apply to an otherwise eligible primary station if the call sign was previously assigned to a station of the requestor.

- You do not have to hold a class of operator license required for the Group (A, B, C, or D) for the call sign requested. A call sign request by former holder may be from any Group in the sequential system.

- Your mailing address does not have to be in the Region designated in the sequential system for the call sign requested. A call sign requested by a former holder may be in any Region.

Request by close relative of former holder now deceased (primary station)

- For your primary station, you may request a call sign that was previously assigned to the primary, secondary, repeater, auxiliary link, control, or space station of your now-deceased spouse, child, grandchild, stepchild, parent, grandparent, stepparent, brother, sister, stepbrother, stepsister, aunt, uncle, niece, nephew, or in-law. When so requesting for your primary station:

- You may request the former call sign of a close relative now deceased even though it has been unassigned for less than two years. Upon the death of the holder, a call sign is assignable immediately to an otherwise eligible primary station of a close relative.

- You must be an Amateur Extra Class operator to request a Group A call sign.

- You must be an Amateur Extra or Advanced Class operator to request a Group B call sign.

- You must be an Amateur Extra, Advanced, General, Technician Plus, or Technician Class operator to request a Group C call sign.

- You must be an Amateur Extra, Advanced, General, Technician Plus, Technician or Novice class operator to request a Group D call sign.

Your mailing address does not have to be in the Region designated in the sequential system for the call sign requested. A call sign requested by a close relative of former holder now deceased may be in any Region.

Request by former holder (club station)

- For the club station for which you are the license trustee, you may request a call sign that was previously assigned to that station. When so requesting for a club station:

- You may request your club station's former call sign even though it has been unassigned for less than two years. The two year requirement does not apply to an otherwise eligible club station if the call sign was previously assigned to the club station for which the requestor is the license trustee.

- You do not have to hold a class of operator license required for the Group (A, B, C, or D) for the call sign requested. A call sign request by former holder may be from any Group in the sequential system.

- Your mailing address does not have to be in the Region designated in the sequential system for the call sign

requested. A call sign requested by a former holder may be in any Region.

A \$30.00 fee is required with your FCC Form 610-V application. Payment of fees may be made by check (payable to "FCC"), bank draft, money order, or credit card. If paying by credit card, you must also complete and submit FCC Form 159 with your FCC Form 610-V to the Pittsburgh, PA address given in the 610-V. (Do not send cash.)

If you do not qualify under the above eligibility standards, your application will be dismissed. A future public notice will announce Gate 1A which will have expanded eligibility standards.

For further information, contact the FCC Consumer Assistance Branch at 1-800-322-1117. From FCC News Release.

Note: ARRL has established a one-stop vanity call sign page at: <http://www.arrl.org/fcc/vanity.html>. Further information will be in the July 1996 QST as the June 1996 QST had already been printed when this story broke. This information is also available on the Pacific Division WWW Home Page and the ARRL Letter for May 3 and 10, 1996.

Bill Introduced to Protect OO's and VE's

On March 29, 1996, Congressman Bill Baker (R-CA 10th - East Bay Section) introduced "H.R. 3207, a bill to amend the Communications Act of 1934 to facilitate utilization of volunteer resources on behalf of the amateur radio service." This bill provides liability protection for amateurs engaged in statutory defined activities with the Volunteer Examination program and with the Amateur Auxiliary to the FCC. It does so by declaring that, when they are engaged in these activities, they are considered "federal employees" for the purposes of the Federal Tort Claims Act. The FTCA is the body of law that protects federal employees from frivolous lawsuits when they are doing their volunteer jobs.

Original cosponsors in the Pacific Division include Ron Dellums (D-CA 9th - East Bay Section), Sam Farr (D-CA 17th - Santa Clara Valley Section), and Anna Eshoo (D-CA 14th - also in SCV). David Funderburk (R-NC 2nd), the only ham (K4TPJ) currently in Congress is an original cosponsor. Several other Congressmen from around the U.S. are original cosponsors.

Please spread the word, and ask every Pacific Division ham to contact his/her Congressional Representatives urging them to sign on as cosponsors of the bill.

Passage of this bill is critical to the success of helping contain the interference problems in our bands!

5725 - 5875 MHz Band is Threatened

On May 6, 1996, the FCC released a Notice of Proposed Rule Making, ET Docket 96-102, for a proposed wireless Internet called NII/SUPERNet. This proposed unlicensed service would occupy the 5725 - 5875 MHz

segment of the 5650 - 5925 MHz Amateur Band.

A special Pacific Division 5725 - 5875 MHz Alert Team is already in place with all the information necessary to work with ARRL and Comment on the NPRM to help save the band. Comments are due in 60 days; Reply Comments in 90 days.

If there are any others interested in being part of this team, please contact me at my Internet address, below.

The text version in ASCII format (no footnotes and without special formatting) is available via Internet. There are two parts to this bulletin; each part is about 45K bytes each.

If you wish a WordPerfect or Word for Windows copy which contains special formatting and the footnotes, W6CF can e-mail you a zipped, UUencoded copy. Please note that the zipped, encoded WordPerfect and Word for Windows files are 105K bytes and 67K bytes in length, respectively. You'll need to decode and unzip the files before printing. Please contact w6cf@arrl.org if you wish this service.

Thanks to Jim Maxwell, W6CF, Pacific Division Vice Director, for downloading these files from the FCC WWW site and performing necessary reformatting to make this service available. Thanks also to Dewayne Hendricks, WA8DZP, member of ARRL Future Systems Committee and Chairman of TAPR's Regulatory Committee, to Bob Wilkins, N6ERI, for the information on the Docket availability at the FCC site, and to Jeffrey Pawlan, WA6KBL, for his early warning about this NPRM.

We will need all those interested in retaining 5725 - 5875 MHz to be part of the Comment and Reply Comment effort.

Ham Legal Mailing List on the Internet

Just before press time it was announced that a new mailing list covering ham legal matters is available on the Internet. Those of you with interests along these lines may want to check it out. To subscribe, send a message to listserv@altlaw.com with the words *subscribe ham-law* in the body of the message.

Pacific Division Home Page Update

Visit the Pacific Division Home Page (address <http://www.pdarrl.org/>) for the latest news between Update issues.

You will find all the latest news as updated by our Pacific Division Webmaster, Randy Foutch, KE6HCL. Thanks, Randy!

Coming Events

- Livermore Swap Meet - 1st Sunday of each month at Las Positas College in Livermore, CA, 7 AM to Noon, all year. Talk in 147.045 from west, 145.35 from the east. Contact Noel Anklam, KC6QZK, (510) 447-3857 eves.

- Foothill Flea Market - 2nd Saturday of each month from March to September at Foothill College, Los Altos CA. Talk in on 145.23- PL 100Hz.
- 1996 Emergency Response Institute will be held at the Sacramento Municipal Utility District Headquarters, 6201 S Street, Sacramento on May 18-19. See ERI on the WWW at <http://www.garlic.com/oes>. To register, send a check or money order for \$20 to ERI 1996, P. O. Box 301, Fair Oaks, CA 95628. Make checks payable to CESRA. Further information may also be obtained from Dave Larton, N6JQJ, at (408) 778-7265

Brad Wyatt, K6WR
Director, ARRL Pacific Division

18400 Overlook Rd. #5
Los Gatos CA 95030-5850
(408) 395-2501 (voice & fax)

Packet: K6WR @ N0ARY.#NOCAL.CA.USA.NOAM
Internet: k6wr@arrl.org
Pacific Division WWW Home Page -- <http://www.pdarrrl.org/>



Field Day

As the date grows near, SCCARA's plans for Field Day '96 are completed. We're rolling out the tower trailer for a maintenance session on Saturday, June 1 at the home of Clark, KE6KXO in Alviso. We'll be checking out the antennas and the rest of the club's gear on the trailer and fire up the generator to make sure it's ready to go. Volunteers are welcome.

We have planned radios, computers, site layout, shelter, and, we hope, everything else we will need. The only element we can not plan is your participation!

As you have read in the SCCARA-GRAM, a form and information page has been included for you to sign up for this fun event. Why not sign up now?

Field Day offers something for everybody. Your level of participation can be your choice of visiting and observing or you may choose to come up to spend some time enjoying our beautiful mountain weather in a beautiful park setting. That alone is worth the trip! You may also wish to dine with the group on the usual outstanding BBQ dinner put together by Wally, KA6YMD and Barbara, KD6QEI, our reliable and competent chefs.

You may wish to try your hand operation the stations. I can't encourage this enough. If you'd like a turn, please mention it to the operator and, in spite of the dazed, glazed expression, you'll get a turn. We welcome all operators.

We will operate class 2A with a phone and CW station. We are uncertain if we will have a novice station,

although we are making provisions to have one should the need arise. We also will have a VHF station with packet. We will likely use the club canopies for shelter as we are uncertain if any motorhomes or trailers will be coming. If you will bring either and will house a station for the contest, please contact me directly (408 458-3460).

The site will be monitoring the club repeater beginning Friday afternoon. As you get near the site, switch to simplex for talk-in.

I mentioned that we'd like to arrange transportation for those people that would usually not make the trip due to the distance, etc. If there is some interest, we will work to make arrangements for your ride.

We hope to have our photographer, Bob, KB6OHO on site again this year for a group photo. We hope to have a photo in QST of SCCARA Field Day '96 participation during its 75th year.

There is a certain spirit in Field Day. Field Day was originally intended to test whether and how an operator or group of operators could put a station on the air in a short time without commercial power and in a temporary location. The spirit I mention is that we plan to venture away from our shacks, couches, and familiar things to do something together! We operate during the contest, establishing and enhancing friendships.

Field Day isn't just about radios, antennas, computers, coffee, and mosquitos; it's about people with a passion for our hobby and the activity. That's the spirit.

We hope to see you there!

Dan Dietz, WM6M

Newsletter Notes

Unfortunately, the cost of publishing this newsletter has jumped up significantly where we normally get it printed (Wolf Camera Copy Center, formerly Photo Drive-up Copy Center). A quick check at Kinko's indicates we can get it done a little cheaper there, but not much. Because of this and other costs, the board is thinking about raising the annual dues, probably to \$20.

This isn't really so bad when you stop to think: the newsletter and meeting room rent alone cost just about \$20 per member per year already. With this increase for the newsletter, it's going to be a lot more--and this is NOT counting the other expenses the club incurs (Field Day, picnic, insurance, storage, repeater, etc). It seems our annual hosting of one of the Foothill Flea Markets is no longer able to make up the difference. So, it's inevitable, I guess.

On another topic...Please don't forget about the World Radio magazine subscription offer for articles! There's been an overwhelming lack of response so far.

73, Gary WB6YRU, editor

SCCARA Roster for 1996

Regular Dues-paying Members

CALL	CLASS	FIRST	LAST	PHONE #	ADDRESS	CITY	ST	ZIP	SINCE
		ANITA "DEE"	YOW		165 E HEDDING ST	SAN JOSE	CA	95112-4914	1995
		TERRY	RUSSELL	510 814-0570	2137 OTIS DR #204	ALAMEDA	CA	94501-5703	1996
W6ACW	G	ED J	HAIJNY	408 739-6105	20581 CRAWFORD DR	SUNNYVALE	CA	94087-1311	1983
N6ANE	T	EUGENE	HILL	408 226-6801	381 BLUEFIELD DR	SAN JOSE	CA	95136-2106	1980
KA6ASV	A	THOMAS	DUNBAR	703 406-2178	117 N STERLING BLVD	STERLING	VA	20164-4021	1990
KC6BFQ	N	WARNER	NASH	408 241-5788	2652 WALLACE ST	SANTA CLARA	CA	95051-3826	1988
K6BQN	E	WILLIAM	KEAGY	408 243-5948	2417 GLENDENNING AVE	SANTA CLARA	CA	95050-6415	1953
N6BUO	A	REX	SKIVER	408 263-5277	1871 SHENANDOAH AVE	MILPITAS	CA	95035	1994
WA6BYB	G	FRANK M.	MONEZ	408-578-7067	407 BLUEFIELD DRIVE	SAN JOSE	CA	95136-2004	
K6CAY	A	OTHO "OCH"	LAWRENCE	408 867-1647	18965 HARLEIGH DR	SARATOGA	CA	95070	1925
W6CF	E	JIM	MAXWELL	408 353-3911	PO BOX 473	REDWOOD ESTATES	CA	95044	1994
W6CFK	A	DICK	BARRETT	408 264-4320	1520 SANTA MARIA AVE	SAN JOSE	CA	95125-4463	1932
WD6CGI	G	HENRY	PONCE	408 433-1655	2151 OAKLAND RD #179	SAN JOSE	CA	95131-1520	1976
WD6CHD	T+	ED	RAWLINSON	408 264-2988	2619 ARAGON WAY	SAN JOSE	CA	95125-5811	1976
KO6CI	E	REUBEN J	VASELENKO	408 247-0825	1201-66 SYCAMORE TER	SUNNYVALE	CA	94086	1994
N6CMJ	G	DICK	RAWSON		141 KIT CARSON CT	SANTA CLARA	CA	95050-6615	
KE6CTH	T	JOHN	REGENT	408 984-1256	4201 NORWALK #DD103	SAN JOSE	CA	95129	1994
KY6CYE	T	SAUL	WOLD	408-395-3325	20284 BEAR CREEK ROAD	LOS GATOS	CA	95030	1996
KE6DSB	T	TOM	LAPIERRE	408 245-4717	1487 BARTON DR	SUNNYVALE	CA	94087	1993
WA6DXP	E	JOE	QUIRANTES	408 371-0959	2809 NICHOLAS DR	SAN JOSE	CA	95124-1535	1975
KD6EFL	T	HUGH	COLLIS	408 246-9374	611 WOODHAMS RD	SANTA CLARA	CA	95051	1992
K6EJF	A	JOHN	TANNER	408 244-2445	2340 WALNUT GROVE AVE	SAN JOSE	CA	95128	1992
WB6EMR	E	JAMES D	ARMSTRONG JR	408 945-1202	1334 HIGHLAND CT	MILPITAS	CA	95035-7057	1991
W6EOA	E	SAM	TERESI	415 968-1814	1988 DEODARA DR	LOS ALTOS	CA	94024-7056	1948
KE6EOC	T	STAN	CHUE	415 991-2128	66 ALPINE AVE	DALY CITY	CA	94015	1993
KE6EOI	T	LOUIS P.	KALDY	408-262-4799	2163 PEDRO AVE	MILPITAS	CA	95035	
KB6ERL	E	MIKE	MARNERIS	408 243-9042	2679 BRADY CT	SANTA CLARA	CA	95051-3030	1978
KB6ETA	T+	BYRON	BOMMARITO	408 281-1916	571 GIRAUDO DR	SAN JOSE	CA	95111	1989
KE6FBJ	T	LAURA	GAYNON	415 853-6049	1340 HAMILTON AVE	PALO ALTO	CA	94301-3122	1994
KC6FGX	T	JOHN	SKINNER	408 446-5451	939 S TANTAU AVE	CUPERTINO	CA	95014-4601	1988
KD6FJI	G	LLOYD	DeVAUGHNS	408 225-6769	216 WHIRLAWAY DR	SAN JOSE	CA	95111	1992
KE6FQV	T	THOMAS	JEW	415 857-6179	10109 OAKLEAF PL	CUPERTINO	CA	95014-1109	1994
KE6FTZ	T	RICHARD	GREENE	408 274-7783	2294 RUBY AVE	SAN JOSE	CA	95148	1994
AC6FU	E	JACK L	RUCKMAN	408 379-4846	1695 EBBETS DR	CAMPBELL	CA	95008-5111	1994
KE6GDA	G	STEPHEN	SELBERG	408 249-7369	1456 BARBARA DR	SANTA CLARA	CA	95050-4463	1995
WA6GKV	E	THEODORE C	BRICE	510 657-5779	48332 COTTONWOOD ST	FREMONT	CA	94539-7672	1976
KA6GZO	T+	JERRY	MCKEE	408 985-0349	1959 JACKSON ST	SANTA CLARA	CA	95050-3826	
W1HBQ	G	ROSS	ANDERSON		1065 OLEANDER CT	SUNNYVALE	CA	94086	1995
W4HCX	E	FOSTER W	PAULIS	408 370-7394	582 SMOKEY CT	CAMPBELL	CA	95008-3717	1991
KO6HH	A	DON	HAYDEN	408 867-4643	13755 SKYLINE	LOS GATOS	CA	95030	1991
KD6HIK	T+	JOANNA	WOODROW	408 266-3993	1545 CALLE DE STUARDA	SAN JOSE	CA	95118-1917	1994
KE6HM	A	CLIFF W	FURLOW	408 258-4139	27 PLEASANT RIDGE AVE	SAN JOSE	CA	95127	1981
N6HN	E	ERNEST	ESPIRITU	408 998-0729	430 N 8TH ST	SAN JOSE	CA	95112-3345	1995
KD6HNG	T	CRAIG	ADAMS	408 285-9702	15090 BEL ESCOU DR	SAN JOSE	CA	95124-5014	1993
KA6HTP	G	FRANK	MITCHELL	408 262-6655	1714 BUTANO DR	MILPITAS	CA	95035	1992
WB4IAI	E	KEN	STACKHOUSE	408 723-8979	1580 INVERNESS CIR	SAN JOSE	CA	95124-4809	1985
WA6IER	T	JACK	RUSSELL	510 814-0570	2137 OTIS DR #204	ALAMEDA	CA	94501-5703	1976
KE6IKV	T	MELVIN D	CHAN	408 379-5232	2054 ANTHONY DR	CAMPBELL	CA	95008	1995
K6IUU	T+	VIRGINIA	METZGER	408 294-3575	285 EAST MISSION ST	SAN JOSE	CA	95112-5011	1991
KN6K	E	KEITH	BUTTS	408 248-3849	409 BUNDY #8	SAN JOSE	CA	95117-1660	1977
N6KMQ	G	WILLIAM A	JOHNSTON	408 377-1524	209 SOUTH PETER DRIVE	CAMPBELL	CA	95008-3312	1988
KE6KXO	T	CLARK R	MURPHY	408 262-9334	PO BOX 135	ALVISO	CA	95002-0135	1995
KB6LCJ	G	MIKE	HASTINGS	408 243-6745	2681 BARCELLS AVE	SANTA CLARA	CA	95051-5729	1985
KB6LFZ	T	JOAN	HASTINGS	408 243-6745	2681 BARCELLS AVE	SANTA CLARA	CA	95051-5729	1986
WM6M	E	DAN	DIETZ	408 458-3460	25 WESTDALE DR	SANTA CRUZ	CA	95060	1977
KE6MEA	G	TIMOTHY G	BRADY	408 729-9012	687 HIGH GLEN DR	SAN JOSE	CA	95133	1995
KE6MGQ	T	BRIAN	SAM	415 968-3021	1428 SAN LUIS AVE	MOUNTAIN VIEW	CA	94043	1995
KE6MGR	T	DANIEL	SAM	415 968-3021	1428 SAN LUIS AVE	MOUNTAIN VIEW	CA	94043	1995
K6MOB	A	TONY	SANCHEZ	408 296-6676	1761 BENTON ST	SANTA CLARA	CA	95050-5200	1958
KE6MQU	T	CYNTHIA	SAM	415 968-3021	1428 SAN LUIS AVE	MOUNTAIN VIEW	CA	94043	1995
KK6MX	E	DONALD R	APTE	408 629-0725	17 SOUTH SEA CT	SAN JOSE	CA	95138	1990
KD6M2M	T	IMRE	TAKACS	408 251-9686	1649 VIRGINIA PL	SAN JOSE	CA	95116	1989
KE6NHK	T+	RONALD	NUNES	408-488-9990	2218 CONSTITUTION DRIVE	SAN JOSE	CA	95124	1996
WA6O	E	GEORGE	ALLAN	408 226-0497	668 CHEMOKETA DR	SAN JOSE	CA	95123-3012	1979
WB6ODL	A	WALT	MITCHELL	408 262-6655	1714 BUTANO DR	MILPITAS	CA	95035	1979
N6OHK	T+	THOR	JOHNSON	916 644-8498	2881 ALDER CT	CAMINO	CA	95709-9672	1986
KB6OHO	E	BOB	KELLER	408 725-1034	1059 BIG OAK CT	SAN JOSE	CA	95129-3106	1986
AA6ON	E	MILTON	O'HARA JR	408 988-3959	2376 SHORESIDE CT	SANTA CLARA	CA	95054	1989

SCCARA Roster for 1996

Regular Dues-paying Members

CALL	CLASS	FIRST	LAST	PHONE #	ADDRESS	CITY	ST	ZIP	SINCE
W600Y	G	BOB	WHARTON	408 251-0505	1535 SUNSHADOW LN	SAN JOSE	CA	95127-4663	1956
WB60RU	A	WILLIAM A	OLIVER	408 292-0426	627 N 4TH ST	SAN JOSE	CA	95112-5124	1973
KE60UG	T	BILL	PARENT	408 926-9040	1138 SUMMERCARDEN CT	SAN JOSE	CA	95132	1994
KE60UP	T+	JACK	MONAHAN	415 326-1713	1525 ALMA ST	PALO ALTO	CA	94301	1995
AB60Z	E	GEORGE F	BRADY	408 729-9012	687 HIGH GLEN DR	SAN JOSE	CA	95133	1991
KD6PAB	T	HARVEY	SAM	415 968-3021	1428 SAN LUIS AVE	MOUNTAIN VIEW	CA	94043	1993
K6PBQ	E	DON	VILLAGE	408 263-2789	3290 WOODY LANE	SAN JOSE	CA	95132-3544	1985
N6PCQ	E	ROBERT L	FORSTER	408 296-5509	268 KELLOGG WAY	SANTA CLARA	CA	95051-6713	1987
WB6PFB	G	KEN	ADCOCK	408 923-1701	3023 LITTLE ROCK DR	SAN JOSE	CA	95133-2030	1992
KC6PUQ	T+	KEN	WILLIAMS	408 247-4129	739 ROGERS CT	SANTA CLARA	CA	95051-5716	1991
KG6PY	E	ARTHUR	FURTADO	408 371-2655	2266 STRATFORD DR	SAN JOSE	CA	95124-2635	
KD6QE1	T	BARBARA	BRITTEN	408 293-3847	585 S 14TH ST	SAN JOSE	CA	95112	1989
KD6QEJ	T	KIRSTEN M	BRADY	408 729-9012	687 HIGH GLEN DR	SAN JOSE	CA	95133	1993
KC6QOC	T	REGINA	WILLIAMS	408 247-4129	739 ROGERS CT	SANTA CLARA	CA	95051-5716	1991
WA6QYS	A	LOU	STEIRER	408 241-7999	2809 TOLEDO AVE	SANTA CLARA	CA	95051-5605	1983
K6RQ	E	FRANK	GLASS	408 356-1026	14910 LOS GATOS RD	LOS GATOS	CA	95032-2011	1946
KB6RSB	T+	JOHN H.	KERNER	408-356-1663	16142 CAMINO DEL SOL	LOS GATOS	CA	95032	1996
KC6SOC	E	TERRY	YOUNG	408 270-5639	3383 BELGROVE CT	SAN JOSE	CA	95148-3114	1991
WA6TBT	G	JOSEPH	MANNINA	408 226-6214	5450-7 MONTEREY HWY	SAN JOSE	CA	95111	1980
KC6TDK	A	PAT	ITATANI	408 463-0844	PO BOX 13157	COYOTE	CA	95013-3157	1991
W6TQH	T+	MICHAEL	GAYNON	415 327-8640	1340 HAMILTON AVE	PALO ALTO	CA	94301-3122	1994
N6TQN	T+	JACK	LOVGREN	408 238-1900	6146 MONTGOMERY PL	SAN JOSE	CA	95135	1991
N6TYI	A	DAVID	PRATT	408 281-2482	207 PINOT CT	SAN JOSE	CA	95119-1855	1991
WN6U	E	DOUG	EATON	408 377-3736	185 UNION AVE #22	CAMPBELL	CA	95008	1984
WA6URE	G	PATRICIA "TRISH"	GIBBONS	408 923-0843	10958 MT HAMILTON RD	SAN JOSE	CA	95140	1995
KD6UD	A	WARREN	GILLERAN	408 988-2706	3543 MACINTOSH ST	SANTA CLARA	CA	95054-2246	1980
KM6UJ	E	CLINTON	HANCOCK	408 268-2106	6567 ASHFIELD CT	SAN JOSE	CA	95120-4502	1993
KA6UMI	T+	ROLAND	WELSPIEL	408 296-2006	1669 LEXINGTON ST	SANTA CLARA	CA	95050-5350	
KA6UUS	G	FRAN	ELLIOTT	408 226-6214	5450-7 MONTEREY HWY	SAN JOSE	CA	95111	1980
WE6V	E	JIM	O'KEEFE	408 264-4987	1581 INVERNESS CIR	SAN JOSE	CA	95124	1981
K6VIP	E	ROY	METZGER	408 294-3575	285 EAST MISSION ST	SAN JOSE	CA	95112-5011	1956
WA6VJY	A	STAN	GETSLA	408 275-0735	477 PAMLAR AVE	SAN JOSE	CA	95128-4220	1971
KC6VPZ	G	J FERRIS "NORM"	NORMAN	408 947-1011	450 FULLER AVE	SAN JOSE	CA	95125-1546	1992
KC6VVU	A	DONELEY H	WATSON	408 266-3993	1545 CALLE DE STUARDA	SAN JOSE	CA	95118-1917	1991
WB6VXA	G	BOB	AVINA	408 247-3311	963 BLOSSOM DR	SANTA CLARA	CA	95050	1989
W6VZT	E	ALBERT F	GAETANO	408 379-3776	115 OLD ADOBE RD	LOS GATOS	CA	95030	1946
KE6WBQ	T	KENNETH W	WHITE	408 238-4470	3077 OLDFIELD WAY	SAN JOSE	CA	95135-1029	1995
KE6WHE	T	MICHAEL	O'HEARN	408 395-5848	105 OLIVE ST	LOS GATOS	CA	95030	1995
KO6WM	A	NEAL A.	PATE	408 293-1219	PO BOX 15	SAN JOSE	CA	95103	1994
KD6WPC	T+	RUTH	SMITH	408 248-3646	3215 ORTHELLO WAY	SANTA CLARA	CA	95051-3761	1991
N6YLM	T+	BARBARA	EGGLESTON		141 KIT CARSON CT	SANTA CLARA	CA	95050-6615	
KA6YMD	A	WALLY	BRITTEN	408 293-3847	585 SOUTH 14TH ST	SAN JOSE	CA	95112	1978
WA6YRU	A	JOE	BOCANEGRA	408 266-2997	PO BOX 585	SAN JOSE	CA	95106	1977
WB6YRU	A	GARY	MITCHELL	408 265-2336	1851 LAURINDA DR	SAN JOSE	CA	95124-5614	1990
N6YWZ	T+	WILLIAM M	ROGERS	408 225-8377	4648 MIA CIR	SAN JOSE	CA	95136-2325	1994
KD6ZJJ	T	ANDY	WIRT	408 978-1874	5067 RAFTON DR	SAN JOSE	CA	95124	1994
KD6ZJK	T	JOANNE	MOSES	408 578-7306	6059 BIGELOW CT	SAN JOSE	CA	95123-4404	1995
W6ZM	E	BILL	STEVENS	408 377-6722	2074 FOXWORTHY AVE	SAN JOSE	CA	95124-1407	1935
KE6ZOV	T+	RONALD H.	GORDON		1137 RAJKOVICH WAY	SAN JOSE	CA	95120	
W6ZRJ	E	JEAN "DOC"	GMELIN	408 973-8583	10835 WILLOWBROOK WAY	CUPERTINO	CA	95014	1946
KD6ZUC	G	WIM	DEWILDER	408 732-5477	984 E EVELYN AVE	SUNNYVALE	CA	94086-6772	1995
KE6ZXU	T	CARL C.	WINCHESTER	408-269-2083	2498 WESTGATE AVE.	SAN JOSE	CA	95125-4041	1995
K6ZYY	A	EL	WIRT	408 377-2202	4952 ESTHER DR	SAN JOSE	CA	95124-5411	1991

SCCARA Mailing List for 1996

Non-dues-paying Members

MAILING CALL	MAILING NAME	PHONE #	ADDRESS	CITY	ST	ZIP
	AMADOR CO. A.R.A.		PO BOX 1094	PINE GROVE	CA	95665
	AMATEUR COMM. SOC.		PO BOX 3594	SAN RAFAEL	CA	94912
	CALAVERAS A.R.A.		PO BOX 391	ANGELS CAMP	CA	95222
	CONTRA COSTA C.C.		PO BOX 20661	EL SOBRANTE	CA	94803-0661
	EAST BAY A.R.C. INC.		PO BOX 6017	ALBANY	CA	94706

SCCARA Mailing List for 1996

Non-dues-paying Members

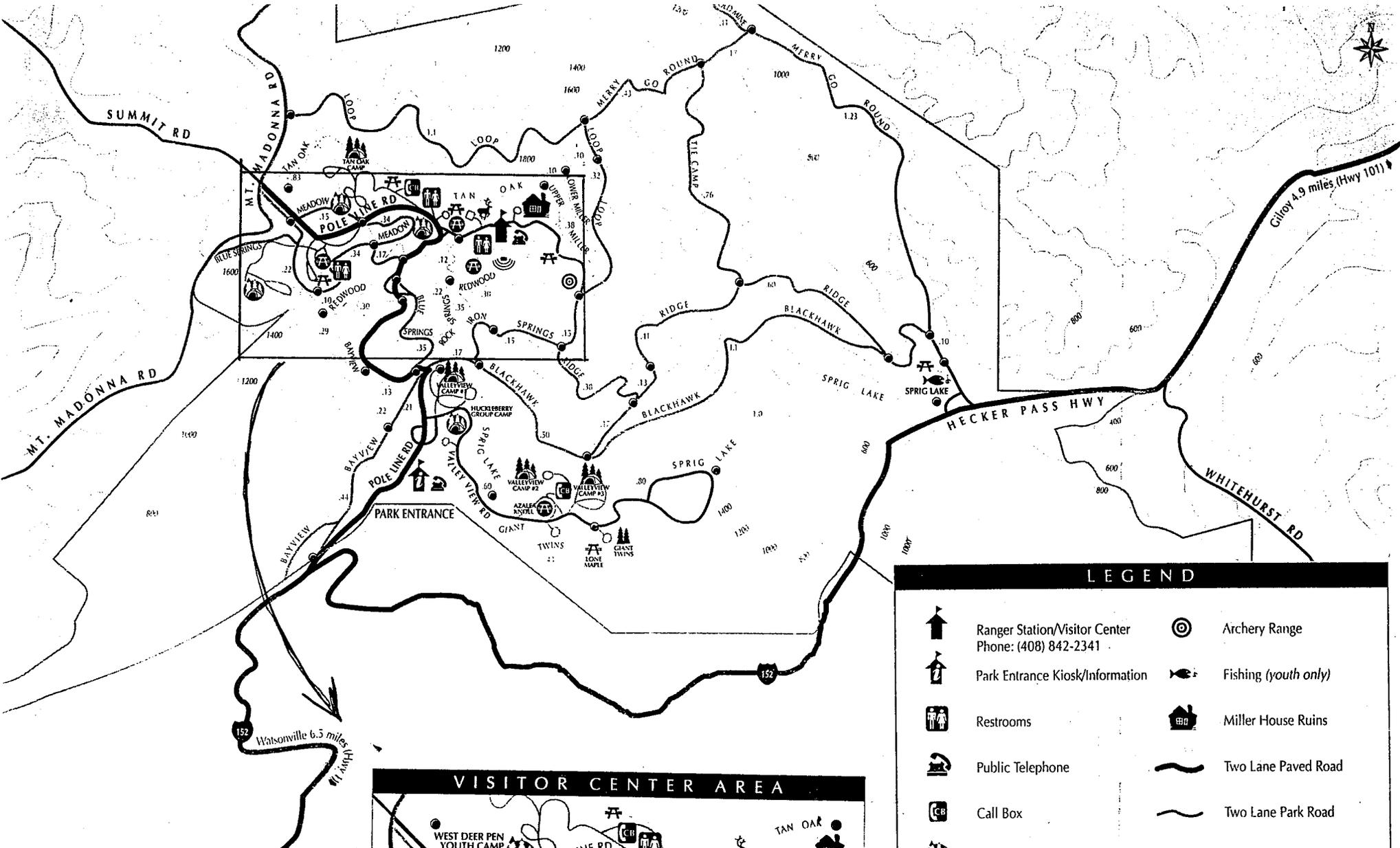
MAILING CALL	MAILING NAME	PHONE #	ADDRESS	CITY	ST	ZIP
	EMARC RELAY		PO BOX 1450	LOS ALTOS	CA	94023
	c/o OMRI SERLIN AA6TA					
	F A R S INC		101 FIRST ST #394	LOS ALTOS	CA	94020
	FRESNO AMATEUR RADIO CLUB		PO BOX 783	FRESNO	CA	93712-0783
	GABILAN A.R.C.		PO BOX 2178	GILROY	CA	95021-2178
	GOLDEN EMPIRE A.R.C.		PO BOX 508	CHICO	CA	95927
	HALL ELECTRONICS		1660 MCKEE ROAD STE A	SAN JOSE	CA	95116
	HAM RADIO OUTLET		510 LAWRENCE EXPWY #102	SUNNYVALE	CA	94086
	HANGTOWN AMATEUR RADIO CLUB		PO BOX 305	PLACERVILLE	CA	95667-0305
	LIVERMORE A.R.K.		PO BOX 3190	LIVERMORE	CA	94551-3190
	MANTECA A.R.C.		PO BOX 545	MANTECA	CA	95336
	MARIN A.R.C.		PO BOX 151231	SAN RAFAEL	CA	94915-1231
	MT. DIABLO A.R.C.		PO BOX 23222	PLEASANT HILL	CA	94523
	NORTH HILLS R.C. INC.		PO BOX 41635	SACRAMENTO	CA	95841-0635
	P A A R A		PO BOX 911	MENLO PARK	CA	94026-0911
	RIVER CITY A.R.C.S.		PO BOX 215073	SACRAMENTO	CA	95821
	SACRAMENTO A.R.C.		PO BOX 832	SACRAMENTO	CA	95812
	SANTA CLARA VALLEY REPEATER SOCIETY		PO BOX 2085	SUNNYVALE	CA	94087-2085
	SHASTA CASCADE A.R.S.		2955 SHASTA ST	REDDING	CA	96001
	SIERRA FOOTHILLS A.R.C.		PO BOX 3262	AUBURN	CA	95064
	SIERRA INTERMOUNTAIN ERA		PO BOX 2348	MINDEN	NV	89423-2348
	SOLANO CO. A.R.S.		PO BOX 457	FAIRFIELD	CA	94533
	SONOMA COUNTY RADIO AMATEURS		PO BOX 116	SANTA ROSA	CA	95402
	STANISLAUS A.R.C. INC.		PO BOX 4601	MODESTO	CA	95349
	THE PERHAM FOUNDATION	408 734-4453	101 FIRST ST, STE 394	LOS ALTOS	CA	94022
	TRINITY COUNTY A.R.C.		PO BOX 2283	WEAVERVILLE	CA	96093
	VACA VALLEY R.C.		419 MASON ST STE 126	VACAVILLE	CA	95688
	WILLITS A.R.S.		PO BOX 73	WILLITS	CA	95490
	YOLO A.R.S.		PO BOX 659	DAVIS	CA	95617
	YUBA-SUTTER A.R.S.		PO BOX 1169	YUBA CITY	CA	95991
	& EMERGENCY SERVICE		PO BOX 982	ANOKA	MN	55303
ANOKA COUNTY RADIO CLUB	UNITED WAY OF SCC		1922 THE ALAMEDA	SAN JOSE	CA	95126-1430
ATTN: ADRIENNE J HERMAN	TANDEM RADIO AMATEUR CLUB	408 285-0414	10600 RIDGEVIEW CT	CUPERTINO	CA	95014-0789
ATTN: MARK WUNDERMAN	BLDG 229 MAIL STOP 31					
CLUB BULLETIN EDITOR	WORLDRADIO		PO BOX 189490	SACRAMENTO	CA	95818-9490
K6LY/R	NPS AMATEUR RADIO CLUB		833 DYER RD, RM 437	MONTEREY	CA	93943-5121
K6WR	BRAD WYATT	408 395-2501	18400 OVERLOOK RD #5	LOS GATOS	CA	95030-5850
KB6UO	SCOTT HENSLEY		3734 CARAVELLA DR	SAN JOSE	CA	95117
KB6ZV	ROD STAFFORD	408 274-0492	5155 SHADOW ESTATES	SAN JOSE	CA	95135
LEE KNIRKO W9MOL, PRES.	ARNS BULLETIN		833 PARK AVE.	PARK RIDGE	IL	60068
QRM	SAN MATEO RADIO CLUB		PO BOX 751	SAN MATEO	CA	94401
SHORT SKIP	S.C.C.A.R.C.		PO BOX 238	SANTA CRUZ	CA	95061-0238
W1AW	AMERICAN RADIO RELAY LEAGUE		225 MAIN ST	NEWINGTON	CT	06111
W6CNN	LEO W RUTH	408 722-8890	101 SHELL DR #115	WATSONVILLE	CA	95076-9665
W6OAT	CHARLES "RUSTY" EPPS		651 HANDLEY TRAIL	REDWOOD CITY	CA	94062
W6PIY/R	W.V.A.R.A.		PO BOX 6544	SAN JOSE	CA	95150-6544
W7GUF	MILO LACY	503 535-2316	PO BOX 264	TALENT	OR	97540
WA6GFY	LERA AMATEUR RADIO CLUB		PO BOX 3504 BLDG 160	SUNNYVALE	CA	94089-3504
WB6W	GLENN P THOMAS		502 WALNUT DRIVE	MILPITAS	CA	95035-4133

About the roster...

It's been too long since the roster has been published. The database has been suffering from some maintenance problems and I was loathed to publish inaccurate data. Also, some of you have experience difficulties as a result of these database problems (not receiving the newsletter, etc). I've been working with the secretary for some time and although the database still needs work, it's getting better. On behalf of SCCARA, sorry for any inconvenience.

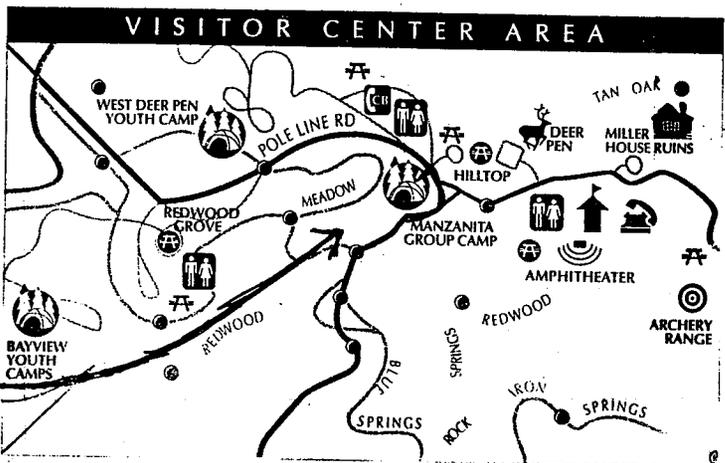
The above list only includes the basic information in the database. Please check everything over and report any errors or omissions to the secretary, Lloyd KD6FJI (225-6769). A full and completely correct roster hopefully will be ready for publishing next time--including first and last name cross references, etc.

Gary, WB6YRU, editor



Watsonville 6.5 miles (Hwy 152)

Enter the Manzanita camp area at the upper right.
WE WILL BE HERE



LEGEND			
	Ranger Station/Visitor Center Phone: (408) 842-2341		Archery Range
	Park Entrance Kiosk/Information		Fishing (youth only)
	Restrooms		Miller House Ruins
	Public Telephone		Two Lane Paved Road
	Call Box		Two Lane Park Road
	Reserved Campground		One Lane Paved Road
	Campground		Equestrian/Hiking Trail
	Reserved Group Picnic Area		Footpath (hiking only)
	Picnic Area		Elevation Contours (feet)
	Amphitheater		Trail Distance (miles)
	Deer Pen		Private Property

Field Day is coming up!

Field Day contest weekend is June 22-23. Mark your calendars!

For those who are new to amateur radio: Field Day is one of the biggest radio contests of the year. The underlying idea is to give amateurs practice making contacts under disaster conditions. This means the participants are encouraged to set up and operate portable stations. You can operate at home, but it's better (worth more points) to "setup shop" elsewhere. For the past several years we have been going up to Mt. Madonna County Park (Southern end of the county). We usually have a variety of stations and antennas. The stations have included phone, CW, digital, novice, solar, VHF, etc. The antennas have been: beams on towers (one is a sizable crank-up on a specially made trailer), a long wire, and miscellaneous dipoles and verticals. The more exotic the power source, the better. We usually use batteries, generators, and solar cells. We operate under a classification where several transceivers are on the air at one time. We are allowed a certain amount of time to set up--that's why some of us go up Friday afternoon. Once set up, we have 24 hours (starting at a specific time) to make as many contacts as possible. It's a lot of fun and a great way to hone those operating skills! Everyone is encouraged to participate. You can make a weekend of it or just show up for part of it, whatever you like.

The 1996 SCCARA Field Day weekend will again be held at Mt. Madonna County Park on June 22 & 23. Anyone who joins the group going up on Friday, June 21 and stays through Sunday helping with both setup and tear-down will be able to stay for free. All others need to pay the camping fee of \$8.00 per night per vehicle. Those who won't be staying overnight will be responsible for paying the "day use" fee themselves at the Park entrance.

A Field Day Committee and set-up group will be forming soon. Dan WM6M agreed to be the SCCARA 1996 Field Day Chairman. If you are interested, contact Dan.

The club will be serving a BBQ dinner at 1:00 PM on Saturday and breakfast on Sunday morning. The Saturday dinner will be your choice of steak or chicken, plus all the "fix'ns". Please indicate your choice on this sign up sheet. The cost of the dinner is \$10 per person and the Sunday breakfast is \$5 per person. You must pay for these meals in advance so that we know how much food to buy--June 17 is the cutoff date. All other meals are usually pot-luck or if you wish fend for yourself.

We're expecting a great Field Day this year, so please come join us!

Name _____ Call _____

Address _____

City _____ Zip _____

Overnight camping fee @ \$8.00 / night / vehicle: \$ _____

OR

_____ I will join the set-up group going up Friday, then help tear-down Sunday.

_____ Saturday steak dinner(s) @ \$10.00 / person: \$ _____

_____ Saturday chicken dinner(s) @ \$10.00 / person: \$ _____

_____ Sunday breakfast(s) @ \$5.00 / person: \$ _____

Total: \$ _____

Please fill out this sign up sheet (or a copy) and get it to me before June 17. I can take it at the next club meeting or mail it with your check (payable to SCCARA) to:

Barbara Britten KD6QEI
585 S 14th ST
San Jose CA 95112

S.C.C.A.R.A. Membership Form for 1996

(Fill in name and address if there is no mailing label below; make corrections if the label is incorrect)

Name: _____ Call: _____ Class: E A G T+ T N

Address: _____ Licensed since (yr): _____

City: _____ State: _____ Zip: _____

Telephone: () _____ New Member I'm also an
 Renewal ARRL member

For family memberships (at the same address), please list other name(s) and call(s):

Annual membership dues are payable at the first of the year and expire the following December 31. New members joining on or after July 1, pay half the membership dues (and half auto-patch fee).

Annual Membership dues: Individual \$15 Family \$20 Student (under 18) \$5 _____

I want _____ SCCARA badges @ \$3 ea. Badge name & call: _____

Please send the repeater Auto-Dial codes (no charge, circle): Yes

Please send the repeater Auto-Patch codes (includes Auto-Dial), \$10.00

WE MUST BE ABLE TO VERIFY YOUR AMATEUR LICENSE

BEFORE ANY REPEATER CODES WILL BE SENT

TOTAL: _____

Give this completed form (or copy) with payment to the Secretary or Treasurer at any meeting or mail to the return address below:

== PLEASE DO NOT TEAR/CUT ==

SANTA CLARA COUNTY
AMATEUR RADIO ASSOCIATION

PO BOX 6
San Jose CA 95103-0006

Affiliate of the American Radio Relay League

NONPROFIT ORG. US POSTAGE PAID SAN JOSE CA PERMIT NO 3318

FORWARD & ADDRESS CORRECTION

TIME DATED BULLETIN