

# SCCARA-GRAM



## Santa Clara County Amateur Radio Association

Volume 13, Number 9

September 1997



## SCCARA Picnic

Sunday, September 21, 1997

Our SCCARA picnic this year will be on Sunday September 21 at Mary Gomez Park in Santa Clara. The park is on the corner of Forbes Ave and San Tomas Expy. Enter the park from the west (opposite side from San Tomas). Time will be around 1100 to 1500.

The club will provide burgers, hot dogs, soda, condiments, and tableware. Everyone should bring a potluck dish to share.

This activity should be a good family outing. We plan to have a bingo game too...rumor has it there will be a prize for the winner! So, let's all come out and make this a great activity.

73, Don K6PBQ

## SCCARA Class

SCCARA will be holding a class for those wanting to get started in amateur radio.

Where: Santa Clara County Adult Education Center  
1840 Benton Street, Santa Clara, room 27

When: Thursday evenings September 4 to November 20  
Code 6:30 PM to 7:15 PM  
Theory 7:30 PM to 9:00 PM

Text: Now You're Talking, 3<sup>rd</sup> Ed

Bring: Pencil and paper

This course is intended to get students to the Technician Plus exam if both the code and theory are completed.

73, Don KO6HH

## Calendar

- 9/8 SCCARA General Meeting--Dinner!
- 9/13 Foothill Flea Market
- 9/15 SCCARA Board Meeting--(San Jose Red Cross, 7:30p, all are welcome)
- 9/21 SCCARA Picnic

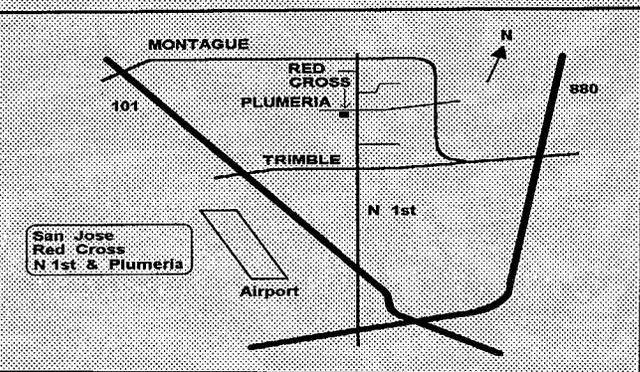
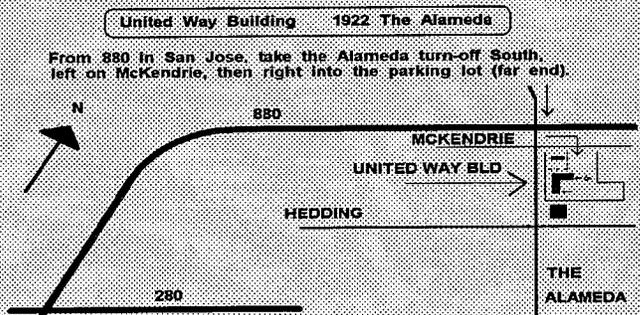
### Next General Meeting:

Day: Monday, September 8, 1997

Time: 6:30 PM

Place: United Way Building

Agenda: Dinner meeting, \$5 per person, kids under 12 free.



# Meeting Minutes

## General Meeting, August 11, 1997



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 of the American Radio Relay League (ARRL).

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

The deadline for SCCARA-GRAM articles is one week before the last Monday of the month.

### OFFICERS and DIRECTORS

President	Jack Ruckman, AC6FU	379-4846
Vice President	Barbara Britten, KD6QEI	293-3847
Secretary	Dan Dietz, WM6M	458-3460
Treasurer	Lloyd DeVaughns, KD6FJH	225-6769
Station Trustee	Stan Getsla, WA6VJY	275-0735
Director	Clark Murphy, KE6KXO	262-9334
Director	Don Apte, KK6MX	629-0725
Director	Don Village, K6PBO	263-2789
Director	Lou Steirer, WA6QYS	241-7999
Director	Wally Britten, KA6YMD	293-3847

### STAFF

Editor	Gary Mitchell, WB6YRU	265-2336
Facilities	Don Village, K6PBO	263-2789

### COMMITTEES

Repeater	Wally Britten, KA6YMD	293-3847
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 (auto-dial and auto-patch). 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 called to order by president Jack, AC6FU at 7:30 PM with 26 members present.

Jack announced that the antenna has been installed and tested at the Red Cross building.

Vice president Barbara, KD6QEI announced the club may be able to use the Oak Room at a Hewlett-Packard facility near Wolfe Road and Stevens Creek Blvd. for regular club meetings. This is reported as a fine facility with all necessary amenities and adequate space for our activities. She will visit the facility as well as pursue the possible use of the San Jose Armory.

It was announced that candidates for club officers are needed for the 1998 term of office. It is requested that anyone interested in being a candidate make it known soon.

The speaker for the evening was member and Pacific Division ARRL Director Brad Wyatt, K6WR. Brad and division vice-director Jim Maxwell, W6CF are nearing the end of their terms and request our support for another term. A petition for each was signed by most members in attendance.

Brad spoke to the issue of vanity calls and the third gate which will open soon. He also noted the FCC's has a plan to increase fees charged for them. Also addressed was the subject of protection of volunteers from liability while engaged in their respective activity. Volunteers including amateurs will be held blameless and protected by federal law and can not be sued while acting in that activity.

Brad also commented on pending action related to malicious interference enforcement issues. The FCC has not been actively pursuing persons engaged to this type of activity due to manpower constraints, etc.

Brad concluded his talk with a briefing on the forthcoming guidelines for radiation safety levels. Those guidelines have again been delayed for the commercial as well as the amateur fields.

The business portion of the meeting commenced after a short break.

Don, KO6HH has set up a class beginning Sept. 4th and will go into November. The site is the Wilson Adult Education Center on Benton Street in Santa Clara. Don is looking for volunteers to assist. A discussion as to the requirement of having students in our classes join SCCARA as a requirement, providing a free limited term club membership or offering a reduced rate club membership to students was held with no definitive plan being determined.

Jack announced that now that the antenna and rig at

the Red Cross are ready for use, we should become active and put that station on-the-air as soon and often as possible. It was mentioned that it is necessary to receive some training in Red Cross emergency procedures and protocols so that we may provide a trained operators for emergency situations. Only qualified and trained operators are permitted to assist in emergency operations.

Editor Gary, WB6YRU advised the copy costs for the SCCARA-GRAM at Staples had increased to the point he returned to the original copier in an effort to contain costs.

Don, K6PBQ announced that the club picnic will be held in Sept. and urges all members and family members to attend. Information on the location, etc is to be found in the SCCARA-GRAM. Barbara, KD6QEI announced the Sept. meeting will be our annual spaghetti dinner. Again, members and families are invited to attend.

Jack, AC6FU asked if anyone had information related to the pending "memo of understanding" we are to have before the San Jose city council. This memo related to the possible move of the club's 2 meter repeater to the city radio vault. No information was available.

Meeting adjourned at 9:36PM.

Dan Dietz, WM6M, SCCARA Secretary

## Board Meeting, Aug. 18, 1997



Call to order by President Jack AC6FU at 7:46 PM.  
Present: Jack AC6FU, Don K6PBQ, Lou WA6QYS, Lloyd KD6FJI, Don KO6HH, Clark KE6KXO, Gary WB6YRU, and John W6NMH.

There is just barely a quorum.

John W6NMH gave a presentation of his internet web page activities and invited SCCARA to consider letting him host a web page for us. The cost would be \$25/mo and would include the web page authoring and maintenance. Extra images would be \$1 each. Fielding questions from internet users and information updates would be our responsibility. Interested web-surfers may check out the site at [www.wigwag.com](http://www.wigwag.com). Even if we don't take him up on it, he's still interested in having SCCARA info in a section of his web page devoted amateur clubs in the area (no charge).

No word on how our repeater MoU is doing in the City bureaucracy.

Treasurer, Lloyd KD6FJI:

Savings	10,590.91
Checking	1459.51
Repeater savings	3705.75
Repeater checking	1192.57

Suggest we fold the repeater accounts into the regular club accounts. The checking accounts cost us \$8 per month.

Gary WB6YRU: Pointed out that this was originally done because the board wouldn't provide funds requested by the repeater committee. Frank started the flea market effort and put the proceeds in a separate account that the repeater committee could use without board's approval.

Lou WA6QYS: Motion to fold repeater accounts into regular club accounts. No second, motion fails.

Clark KE6KXO: Motion to consult the repeater committee and those who started these accounts. Three in favor, one abstained. Motion passed.

Discussion about Youth Group and Repeater committees not being very active.

Elections, Don KO6HH: Dan WM6M (Secretary) is the only one who is not running for re-election (board or officer). So, if we get someone to run for Secretary, we'll have at least one person for every position.

Editor, Gary WB6YRU: Staples has doubled their price on us. (We were wondering how long their cheap price would last.) The copying will now be done at the old place, Wolf Camera and Copy center. The cost there is 3½¢ per copy (in quantity). The result is about twenty five percent increase in copying costs for the newsletter.

The board approved the purchase of a printer (capable of doing a good job on photos), but since nobody submits any photos, I can't bring myself to spend hundreds of the club's dollars. Mike KB6LCJ offered to get us a much larger printer (very cheap) which could be used to print up the newsletter instead of copying it. This would allow us to automatically print labels on the newsletter, but we'd have to collate and staple each one by hand. It seems there would be little change in work load, possibly more. It's not clear if there would be any savings (copying vs printer cartridges and maintenance).

John W6NMH: Offered to have copies made at work for under 2¢ each. However, he works up the peninsula and the logistics seem like too much.

Class, Don KO6HH: SCCARA will have a Novice/Tech class starting the week of Labor Day. Thursdays, 6:30 PM for CW and 7:30 - 9 PM for theory. It's at the same place, Adult Education Center in Santa Clara (1840 Benton St) in room 27. Instructors will be: Doug WN6U, Frank K6RQ, Mike KB6LCJ, Bob WA6HWT, Jack AC6FU, and Don KO6HH. The book has been changed, new one is 3<sup>rd</sup> edition, \$19. I would like to give away the old instructor's copies to students and have the club get a copy of the new edition for each instructor (six).

Don K6PBQ: Motion to get six copies of the new edition for

the instructors. Passed unanimously.

Don K6PBQ: Motion to have bingo at the picnic and provide prize(s) for the winner(s) not to exceed \$30. Passed unanimously.

Adjourned 10:01 PM

Gary WB6YRU, recording for the secretary

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## Board Meeting, July 21, 1997



*[Due to Editor's error, these minutes were not in the Aug. issue.]*

Meeting was held at Red Cross building on North First Street in San Jose. Meeting called to order prior to arrival of secretary.

Attending were President Jack AC6FU; Vice-president Barbara, KE6QEI; Secretary Dan, WM6M; Treasurer Lloyd, KD6FJI; and Directors Don, K6PBQ; Wally, KA6YMD; Don, KK6MX; Lou, WA6QYS; and Clark, KE6KXO. Also attending were newsletter editor Gary, WB6YRU and member Roy, K6VIP.

Repeater Committee Report. The Memo of Understanding related to the possible moving of the club 2 meter repeater from the present location to the San Jose city radio vault has not yet been brought up for action by the city council per Don, KK6MX.

The Treasurer reported deposits of \$1400.00 to the checking account and \$2707.04 to the savings account. A new member, Brenda Lee, KF6DVH has joined the club.

Gary, WB6YRU reported his finding for price and availability of a good quality tarpaulin to cover the club antenna trailer while in storage. It was previously discussed and passed that the club should buy a cover to protect its investment in this asset. Gary reported that two commercially made covers would fit the trailer. The larger of the two is 15x25 ft and the price is \$163.00. The smaller of the two is 14.5x23.5 ft and priced at \$147.00. Both items would have to be ordered and have an additional shipping cost of \$27.00. A motion was made by Don, K6PBQ and seconded by Barbara, KE6QEI to purchase (order) the larger tarp. Motion was passed. Gary will place the order.

Barbara, KE6QEI reviewed the text of a letter she has written to the management and directors of the Valley Village pursuant to the possible use of that facility for club meetings. The letter was edited and will be revised and sent by Barbara. Barbara will also look into the possible

availability of the National Guard Armory near city hall. The Leninger Center was also mentioned as a possible meeting site.

Don KK6MX brought up the topic of evaluating printer and software for the newsletter. Gary, WB6YRU mentioned that Mike, KB6LCJ might be able to provide a printer though his work-related contacts. This printer could print directly at 17 pages per minute which could allow Gary to print the newsletter without the necessity of purchasing the printing service. Gary will look into and advise prices for paper, ink and maintenance for this printer.

Don, K6PBQ reported that the club's Yaesu FT101E has been sold for \$260.00. SCCARA has had this transceiver for many years. We will now remove this item from the list of club assets, now that it has been sold.

Gary, WB6YRU reported on the possibility of assuming the N0ARY BBS. This opportunity is still available to SCCARA. He also mentioned that a lot of work needs to be done and some new equipment would need to be purchased to activate the system with the modes and capabilities which we need. The newly purchased TNC will allow the existing 440 repeater to provide a 9600 baud modem for access.

Don, KK6MX reported that the price of fireproof file cabinet is expected to be \$200-300. This is a very good price as new retail price is over \$1000.00.

A discussion of the crowded conditions in the club's storage locker was held. It is agreed we are storing many items with little or subjective value. When we buy a fireproof file cabinet, it was decided that it would be placed in the storage locker to safeguard club records and other historical or critical documents. Some of the bulkier items will be removed from the locker to make room for more important items such as the cabinet.

A motion was made and passed to allow Gary, WB6YRU to take/dispose of an old equipment cabinet and miscellaneous metal pipes to aid in cleaning and clearing the storage locker.

Lou, WA6QYS asked for the status of our web page project. Don, KK6MX reported that software designed for generating web pages is quite low in cost. He saw one program for \$15.00 recently. Our real need is to locate and/or assign a webmaster who will generate the page but will also update it regularly with news of meetings, classes and other club events.

Don, K6PBQ announced a SCCARA picnic to be held on Sunday, September 21 at Mary Gomez Park in Santa Clara near Benton and San Tomas. Look for more details in a future newsletter.

Adjourned at 9:55 PM.

Dan, WM6M, SCCARA Secretary

# Packet Pieces

**Downloaded from the packet network:**

```
=====
Date: 30 Mar 97 18:13
From: N8QGE@N8QGE
To: INFO@USA
Subject: Dissimilar Metals - Protection
-----
```

## Dissimilar Metals May Take Away Your Protection

There are many different types of metals and each has desirable properties. However, when you join two dissimilar metals to make an electrical connection some problems could result. This is particularly true when the connection is exposed to moisture or any other liquid that will act as an electrolyte. The process of corrosion will begin.

Corrosion is an electro-mechanical process which results in the degradation of a metal or alloy. Oxidation, pitting or crevicing, de-alloying, and hydrogen damage are but a few of the descriptions of corrosion. Most metals today are not perfectly pure and consequently when exposed to the environment will begin to exhibit some of the effects of corrosion.

Aluminum, such as that used in PolyPhaser's coaxial protectors, has an excellent corrosion resistance due to a 1 nanometer thick barrier of oxide film which instantaneously forms on the metal. Even if abraded, it will reform and protect the metal from any further corrosion. Any dulling, graying, or blacking which may subsequently appear is a result of pollutant accumulation.

Normally, corrosion is limited to mild surface roughening by shallow pitting with no general loss of metal. An aluminum roof after 30-years only had 0.076mm (0.003 inch) average pitting depth. An electrical cable lost only 0.109mm (0.0043 inch) after 51-years of service near Hartford, Connecticut. Copper such as C110 used in our Bulkhead Panels has been used for roofing, flashing, gutters, and downspouts. It is one of the most widely used metals in atmospheric exposure. Despite the formation of the green patina, copper has been used for centuries and has negligible rates of corrosion in unpolluted water and air. At high temperatures some copper alloys are better than stainless steel.

If you were to join copper to aluminum or copper to galvanized (hot dipped zinc) steel with no means of preventing moisture from bridging the joint, corrosion loss will occur over time. This is the accelerated corrosion (loss) of the least noble metal (anode) while protecting the more noble (cathode) metal. Copper, in this example, is the more noble metal in both of these connections. See the Noble Metal Table for a ranking of commonly used metals.

Where the connection is with galvanized steel, the zinc coating will be reduced allowing the base steel to oxidize (rust), which in turn will increase the resistance of the connection and possibly over time compromise the integrity of the mechanical structure.

The aluminum will pit to the copper leaving less surface area for contact. The connection could become loose, noisy, and even allow arcing.

These corrosion problems can be prevented by using a joint compound which can cover and prevent the bridging of moisture between the metals. The most popular compounds use either zinc oxide or copper

	MAG.	ALUM.	ZINC	IRON	CAD.	NICK.	TIN	LEAD	COPPER	SILVER	PALL.	GOLD
MAGNESIUM	0.00	-0.71	-1.61	-1.93	-1.97	-2.12	-2.23	-2.24	-2.71	-3.17	-3.36	-3.87
ALUMINUM	0.71	0.00	-0.90	-1.22	-1.26	-1.41	-1.52	-1.53	-2.00	-2.46	-2.65	-3.16
ZINC	1.61	0.90	0.00	-0.32	-0.36	-0.51	-0.63	-0.64	-1.10	-1.56	-1.75	-2.26
IRON	1.93	1.22	0.32	0.00	-0.04	-0.19	-0.30	-0.31	-0.78	-1.24	-1.43	-1.94
CADMIUM	1.97	1.26	0.36	0.04	0.00	-0.15	-0.27	-0.28	-0.74	-1.20	-1.39	-1.90
NICKEL	2.12	1.41	0.51	0.19	0.15	0.00	-0.11	-0.12	-0.59	-1.05	-1.24	-1.75
TIN	2.23	1.52	0.63	0.30	0.27	0.11	0.00	-0.01	-0.47	-0.94	-1.12	-1.64
LEAD	2.24	1.53	0.64	0.31	0.28	0.12	0.01	0.00	-0.46	-0.93	-1.11	-1.63
COPPER	2.71	2.00	1.10	0.78	0.74	0.59	0.40	0.46	0.00	-0.46	-0.65	-1.16
SILVER	3.17	2.46	1.56	1.24	1.20	1.05	0.94	0.93	0.46	0.00	-0.19	-0.70
PALLADIUM	3.36	2.65	1.75	1.43	1.39	1.24	1.12	1.11	0.65	0.19	0.00	-0.51
GOLD	3.87	3.16	2.26	1.94	1.90	1.75	1.64	1.63	1.16	0.70	0.51	0.00

## Noble Metal Table

*Accelerated corrosion can occur between unprotected joints if the algebraic difference in atomic potential is greater than  $\pm 1.03$  volts.*

particles embedded in a silicone grease. As the joint pressure is increased, the embedded particles dig into the metals and form a virgin junction of low resistivity which is void of air and its moisture.

The use of a joint compound has now been adopted as the recommended means for joining our coaxial protectors to our bulkhead panels for non-climate controlled installations. We have been supplying copper joint compound for our bulkhead panel ground strap connections. We have tested this compound with a "loose" 1 square-inch copper to copper joint and have found it to handle a 25,500 ampere 8/20 waveform surge with no flash over and no change in resistance (0.001 ohms). We have even wiggled the loose joint before and after the surge and experienced no change in its resistance.

The connection of a copper wire to galvanized tower leg should be avoided even if joint compound is used. The primary problem here is the low surface-area contact of the round wire with the (round) tower leg. Consider using a PolyPhaser TK series stainless steel clamp as shown on page 53 of the '90-'91 Catalog. The TK clamp will help increase the surface area of the connection as well as provide the necessary isolation between the dissimilar metals. Don't forget to use joint compound on exposed applications of the TK clamps. For an even more effective connection, use copper strap in place of the wire with the TK series clamp.

Silver oxide is the only oxide (that we know of) that is conductive. This is one reason why PolyPhaser's N-type coax connectors are all silver with gold center pins. Copper oxide is not conductive and the proper application of joint compound will prevent oxidation.

Knowledge of corrosion can make the difference between a good site that stays on the air and one which needs a lot of maintenance after a short period of time.

=====  
Date: 30 Sep 94 08:01  
From: N5VDA@F6CNB  
To: HUMOR@USA  
Subject: LIST OF LATEST VIRUSES  
-----

**BOBBIT VIRUS:** Removes a vital part of your hard disk then re-attaches it. (But the part will never work again.)

**OPRAH WINFREY VIRUS:** Your 200 MB hard drive suddenly shrinks to 80 MB, and then slowly expands back to 200 MB.

**AT&T VIRUS:** Every three minutes it tells you what a great service you are getting.

**MCI VIRUS:** Every three minutes it reminds you that you're paying too much for the AT&T virus.

**PAUL REVERE VIRUS:** This revolutionary virus does not horse around. It warns you of impending hard disk attack.

**POLITICALLY CORRECT VIRUS:** Never calls itself a "virus", but instead refers to itself as an "electronic micro organism".

**RIGHT TO LIFE VIRUS:** Won't allow you to delete a file, regardless of how old it is. If you attempt to erase a file, It requires you to first see a counselor about possible alternatives.

**ROSS PEROT VIRUS:** Activates every component in your system. Just before the whole damn thing quits.

**MARIO CUOMO VIRUS:** It would be a great virus, but it refuses to run.

**TED TURNER VIRUS:** Colorizes your monochrome monitor.

**ARNOLD SCHWARZENEGGER VIRUS:** Terminates and stays resident. It'll be back.

**DAN QUAYLE VIRUS:** Their is sumthing rong wit yur kumpooter. Eye juts kant figyour owt watt!

**GOVERNMENT ECONOMIST VIRUS:** Nothing works, but all your diagnostic software says everything is fine.

**NEW WORLD ORDER VIRUS:** Probably harmless, but it makes a lot of people really mad just thinking about it.

**FEDERAL BUREAUCRAT VIRUS:** Divides your hard disk drive into hundreds of little units, each of which does practically nothing, but all of which claims to be the most important part of your computer.

**GALLOUP VIRUS:** Sixty percent of the PC's infected will lose 38 percent of their data 14 percent of the time. (plus or minus a 3.5 percent margin of error.)

**TERRY RANDLE VIRUS:** Prints "oh, no you don't" whenever you choose "Abort: from the "Abort, Retry, or Fail" message.

**TEXAS VIRUS:** Makes sure that it's bigger than any other file.

**ADAM AND EVE VIRUS:** Takes a couple of bytes out of your Apple.

**CONGRESSIONAL VIRUS:** The computer locks up, screen splits erratically with a message appearing on each half blaming the other side for the problem.

**AIRLINE VIRUS:** You are in Dallas, but your data is in Singapore.

**FREUDIAN VIRUS:** Your computer becomes obsessed with marrying it's own motherboard.

**PBS VIRUS:** Your programs stop every few minutes to ask for money.

**ELVIS VIRUS:** Your computer gets fat, slow, and lazy, then self destructs; only to resurface at shopping malls and service stations across rural America.

**OLLIE NORTH VIRUS:** Causes your printer to become a paper shredder.

**NIKE VIRUS:** Just does it.

**SEARS VIRUS:** Your data won't appear unless you buy new cables, power supply, and a set of shocks.

**JIMMY HOFFA VIRUS:** Your programs can never be found again.

**CONGRESSIONAL VIRUS #2:** Runs every program on the hard drive simultaneously, but doesn't allow the

user to accomplish anything.

**KEVORKIAN VIRUS:** Helps your computer shut down as an act of mercy.

**IMELDA MARCOS VIRUS:** Sings you a song (slightly off key) on boot up, then subtracts money from your Quicken account and spends it all on expensive shoes it purchases through Prodigy.

**STAR TREK VIRUS:** Invades your system in places where no virus has gone before.

**HEALTH CARE VIRUS:** Tests your system for a day, finds nothing wrong, and sends you a bill for \$4,500.

**GEORGE BUSH VIRUS:** It starts by boldly stating, "Read my docs... No new files!" on the screen. It proceeds to fill up all the free space on your hard drive with new files, then blames it on the Congressional Virus.

**CLEVELAND INDIANS VIRUS:** Makes your 486/50 machine perform like a 286/AT.

**LAPD VIRUS:** It claims it feels threatened by the other files on your PC and erases them in "self defence".

**CHICAGO CUBS VIRUS:** Your computer makes frequent mistakes and comes in last in the reviews, but you still love it.

**ORAL ROBERTS VIRUS:** Claims that if you don't send it a million dollars, it's programmer will take it back.

So please use your virus scan. Don't let any of these viruses happen to your PC!!!

73, MEL N5VDA @ F6CNB.#SETX.TX.USA.NOAM

=====  
Date: 30 Jul 97 03:47  
From: VE7MTY@VE7CMR  
To: HUMOUR@USA  
Subject: BUMPER STICKERS...LIST #2  
-----

Hello from Vancouver, BC Canada.

I've had many requests to send out the bumper stickers lists again, so here is list #2. If you see a good one, send it to me and I will put together a third list...73..Marty

**BUMPER STICKERS LIST #2**

**DON'T WORRY ABOUT IT. WE AREN'T GETTING OUT OF THIS WORLD ALIVE**

**TWO WHARVES ARE NOT A PARADOX**

**HARD WORK HAS A FUTURE PAYOFF...LAZINESS PAYS OFF NOW**

**WORK HARD ALL YOUR LIFE...SO A JUDGE CAN TAKE IT ALL AWAY**

**IF AT FIRST YOU DON'T SUCCEED, TRY SECOND BASE**

**MONEY ISN'T EVERYTHING....BUT IT'S WAY AHEAD OF WHATEVER'S IN 2ND PLACE**

**HORN DOESN'T WORK. WATCH FOR FINGER**

**P.I.S.T.O.F.F. People Interested in Stopping the Terrible Overspending of Federal Funds**

**PILOTS DO IT IN THE COCKPIT**

**HURRAY FOR WOMEN'S LIB. LET HIM SLEEP ON THE WET SPOT**

**WE'RE SPENDING OUR KIDS INHERITANCE...AND LOVING IT**

**EVERYBODY HAS ONE...SOME ARE ONE**

**WELCOME TO SOUTHERN CALIFORNIA. DON'T DRINK THE WATER. DON'T BREATHE THE AIR**

**CATS FLATTENED WHILE YOU WAIT**

**MARRIED MEN DON'T LIVE LONGER; IT JUST SEEMS LONGER!**

Very 73, Marty VE7MTY

=====  
Date: 16 Sep 94 09:34  
From: KD4LRG@KF4OJ  
To: HUMOR@USA  
Subject: Stan and Harry  
-----

Stan and Harry decided to go on a fishing trip but they needed some equipment, so they bought rods, reels, fishing tackle, wading boots, creels and a barrel full of worms. They had to rent a car so they could to the cabin they had reserved in an isolated part of the Canadian wilds, and they had to put money down on a motor boat if they were going to get to that special fishing spot where all the pike and Bass were waiting to get hooked. Not only did they spend a huge amount of money, they also had to drive 12 hours, 7 of them on rocky back roads.

Not 15 minutes after they had arrived at the cabin, they were on the lake tolling for a bite. Unfortunately they didn't catch a thing. "No problem," said Stan. "We'll have better luck tomorrow."

But they finished up the second day with nothing. The same thing happened the third, forth and fifth days until finally, on the last day on the lake, Harry caught a small perch.

The drive home was less than joyful, and Stan summed up the vacation with a depressing thought."You know what, Harry? that poxy fish you caught cost us about

a thousand dollars each..!"

"My god," replied Harry in amazement, "it's good we didn't catch any more then!"

--  
This joke was sent by Keith, G7RWP

--  
From the Happy Club, 73 de Orlando, KDRLRG

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## W6ZM Estate Sale

1. Yaesu FT-1000D HF XCVR with all filters	2750
2. ICOM IC-751 HF XCVR w/extra cw filters	795
3. ASTRON RS20A power supply new	90
4. ICOM R-71A Receiver w/extra filters	495
5. EF Johnson antenna tuner parts	125
6. Set of 1994 Callbooks	10
7. Weller 8100 soldering gun	25
8. Ungar Soldering pencil	8
9. ICOM IC-228A 2 meter mobile XCVR	225
10. ICOM IC-2400A dual band mobile XCVR	395
11. <del>AEA PK 232 TNC</del>	<del>125</del>
12. Henry Radio 2K Ultra HF amplifier	1125
13. Alinco EP-3030 Power supply	25
14. Heil Sound speakers (3)	30 ea
15. Drake W4 wattmeter	25
16. <del>Alinco DJ-180 2 meter HT w/desk charger</del>	<del>sold</del>
17. ICOM IC-3AT 220 HT w/BC-30 charger	200
18. ICOM IC-micro2AT 2 meter HT	175
19. Heil Microphone equalizer EQ-200P new	40
20. Yaesu FNB-4A Battery Pack new	35
21. Yaesu FT-709R 440 HT new	250
22. Kenwood PS-6 power supply 13.8 V, 3.5 A	35
23. <del>Kenwood HC 10 world clock</del>	<del>25</del>
24. Actronic iambic paddle	30
25. Hamco "The Carson" iambic paddle (similar to Vibroplex Brass Racer)	40
26. MFJ DXer's World Map Clock	15
27. Eimac 8873 vacuum tube (low emission)	50
28. B & W 550A coax switch (2)	20 ea
29. B & W 592 coax switch	15
30. Handy Power System I-6001	50
31. Astatic D-104 microphone (fair, no cord)	35
32. <del>American Legion 440 mhz J pole new</del>	<del>15</del>
33. ICOM BP-5 Battery Pack new	65
34. ICOM ICP-2AT 2 meter HT	185
35. <del>Bird Model 43 wattmeter</del>	<del>sold</del>
200-500 MHz 50 watt slug for above A50D	35
100-250 MHz 5 watt slug A5C	35
2-30 MHz 250 watt Coaxial Dynamics 82009	25
37. Swan WM300 wattmeter 3.5-30 MHz	20
38. RG 213/U coax about 50 ft (2)	12 ea
39. Vacuum capacitors call Don K6PBQ 263-2789	
40. More Vacuum capacitors "	
41. Vacuum relays "	
42. Ham-M rotator	165

43. AEA Isolooop antenna	175
44. Drake low pass filter	30
45. 3 foot tripod	10

Contact Delphie Stevens 377-6722. Items not described otherwise are very good to mint condition. Call Don K6PBQ at 263-2789 or Don at 867-4643 on the vacuum capacitors and relays.

73, Don KO6HH

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## KC6VPZ Estate Sale

J Ferris "Norm" Norman, KC6VPZ, SK  
Contact Barbara at 408 947-1011

1. <del>Alinco DJ580 Dual bander w/spk mike, cig lighter plug, no charger, manual</del>	<del>225</del>
2. Trippe MFG Co 13.8 V, 3 A pwr sup.	10
3. <del>Tripplite PR10B 13.8 V, 10 A pwr sup.</del>	<del>30</del>
4. <del>Ranger RC1 2950 10 meter XCVR 8/25 W</del>	<del>75</del>
5. NYE viking 020-001 low pass filter	20
6. Autek Research QF-1A noise filter	35
7. MFJ-112 DX'er clock	10
8. hand key, brass	3
9. Midland wattmeter/swr	10
10. mobile speaker	5
11. repeater directory, 1995/6	1
12. Cushcraft AR-270 dual-band ant.	25
13. Cushcraft AR-10 10 meter ringo vert. ant.	20

12 & 13 are still on roof, with coax.

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## Newsletter Notes

It was too good to last. Apparently, Staples has decided their cheap rate for copies isn't worth it. Our cost to copy the newsletter there has doubled! So, it's back to the old place, Wolf Copy Center. In bulk they charge 3½¢ per copy...not bad, but more than at Staples *old* price. This will be roughly a twenty or twenty five percent increase in our copying costs.

On the bright side, Wolf is more of professional copy center, not just a couple of machines in the corner of the store. So, we can do a few more things such as having a color high-light or an easier job with photos--if any of you might be inclined to submit any photos... hint, hint. ☺

73, Gary WB6YRU, editor

# ARRL Pacific Division Update

September 1997

## Comments on Private Enforcement

In what may be the start of the most significant enhancement of enforcement of Amateur Radio rules in years, the FCC announced, on Aug. 1, that the public Comments on the ARRL Petition for a Private Rules Enforcement Plan, now called RM-9150, will be accepted until Aug. 31, 1997.

The following is the W1AW bulletin that was sent when the petition was originally filed on March 28, 1997:

*ARRL calls on FCC to privatize handling of malicious interference complaints*

*Citing "a substantial need to improve and increase the quantity and quality" and timeliness of enforcement in malicious interference complaints, the ARRL has called on the FCC to "create a streamlined, privatized enforcement process" to handle and adjudicate the most serious Amateur Service rules violations. In a petition for rulemaking filed March 28, the League asked that the FCC change its rules to permit members of the volunteer Amateur Auxiliary to bring evidence of malicious interference violations directly before the FCC's Chief Administrative Law Judge (ALJ). The Chief ALJ would be authorized to determine if the complainants have a valid case, to issue show-cause orders, and to designate complaints for hearing.*

*The League recommended that the FCC capitalize on the volunteer resources available through the Amateur Auxiliary to relieve the evidence-gathering burden in such cases. If the rules changes are approved, the League said it would likely assist members of the Amateur Auxiliary in preparing and submitting complaints and in presenting cases at administrative hearings. "The increased use of volunteer resources would seem to be entirely appropriate in the Amateur Service, which involves avocational use of radio only," the ARRL concluded.*

*While noting that most hams obey the rules, the League said Amateur Radio needs the Commission's help "in a very few, persistent, serious enforcement cases" but has not been getting it in recent years because of the FCC's staff and budgetary limitations.*

*"Indeed, notwithstanding the best efforts of the Commission over the past several years, there has been no resolution of the four or five most serious cases brought to the Commission's attention," the League said in its petition. Even in some of the cases the FCC did act upon, the League said the Commission did not go far enough to make the problems go away permanently. The League cited a case in New Orleans where fines against several amateurs were reduced but remain*

*unpaid and uncollected. "There is a widespread, and growing, perception that administrative forfeitures are not collectable," the ARRL said, pointing to the complex, time-consuming method of collecting fines that is required by federal law.*

*The ARRL noted that while the FCC suspended one ham's license in that city in 1996, it failed to look into malicious interference charges against at least two other hams in that area. The League said examples like these send a message that the FCC won't enforce Amateur Service rules in malicious interference cases. "Malicious interference problems, if left unchecked, tend to spread and increase in intensity," the League said. The ARRL suggested that a series of "visible, successful enforcement actions" would deter rules violations and promote self-regulation.*

*The ARRL also suggested that some FCC policies get in the way of timely, effective enforcement. Current Wireless Telecommunications Bureau policy requires the Commission to independently corroborate evidence gathered by Amateur Radio volunteers. "The policy often acts as an absolute obstacle to any enforcement activity whatsoever," and it demoralizes volunteers who view their efforts as wasted.*

*While noting that malicious interference cases often attract a lot of attention within the amateur community, the League said ham radio can be "justifiably proud" of its history of voluntary rule compliance. "The overall level of compliant behavior among amateurs has not deteriorated over the years," the League emphasized, citing fewer than 10 active malicious interference cases in the US at present.*

Please comment in a positive fashion to help encourage FCC to issue a Notice of Proposed Rule Making (NPRM) on this matter.

NOTE: Based on extensive investigation, the FCC has apparently made NO provision to receive e-mail messages on RM-9150, so all Comments MUST be in hard copy format. Please send an original and four copies of your Comments to the FCC.

It's always best to write using your own thoughts, expressed using your own words. However, as a guide, here's a sample letter:

*Secretary, Federal Communications Commission  
1919 M St NW  
Washington DC 20554  
(date)*

*RE: RM-9150*

*I support the ARRL Petition to have the FCC change its rules to permit members of the volunteer Amateur Auxiliary to bring evidence of malicious interference violations directly before the FCC's Chief Administrative Law Judge. The Chief ALJ would be authorized to determine if the complainants have a valid case, to issue show-cause orders, and to designate complaints for hearing.*

*Please issue a Notice of Proposed Rule Making on this matter.*

Signed (your name, call, address)

For those of you with WWW access there is additional information available on line: The Aug. 11 Special Edition of the Pacific Division Update is on the Pacific Div. WWW site at <http://www.pdarrl.org/pdu/pdu9708a.html>, while the full text of the original petition can be found on the Pac. Div. WWW site at <http://www.pdarrl.org/pdu/rm9150.html>.

These entries were developed by the superb efforts of Paul Wesling, KM6LH, Pacific Division Webmaster, and Glen Lokke, Jr., KE6NBO, who converted the hard copy material into machine readable. Many thanks, Paul and Glen!

See also ARRL Letter of Aug. 15, 1997.

One last item -- the deadline for submitting Reply Comments, to reply to the original Comments, is Sept. 15, 1997.

### **Federal Legal Protection for Volunteers**

The Volunteer Protection Act of 1997, Public Law 105-19, should provide Federal protection from "frivolous, arbitrary, or capricious" lawsuits against our OO/AmAux and VE volunteers as well as other volunteers. The law becomes effective on Sept. 16, 1997. The text is available on the WWW at <http://thomas.loc.gov/>. Search for PL 105-19.

See p. 15, August 1997 QST for more information. This law may become a very strong companion to RM-9150 in a major turnaround in Amateur Rule enforcement.

### **Gate 3 of Vanity Call Opened**

Gate 3 opened for Advanced Class licensees on Aug. 6, 1997. Details on the Vanity Call program can be found on the ARRL WWW site at [www.arrl.org](http://www.arrl.org) or by calling the FCC National Call Center at 1-888-CALL-FCC. To file, use Form 610-V available via the FCC Internet Homepage at <http://www.fcc.gov/wtb/amradsrv.html> or from ARRL HQ. The fee remains \$30 for a 10 year license until Sept. 16, 1997.

The date for opening Gate 4 has not yet been announced. The new fee of \$50 for the 10 year license will take effect Sept. 16, 1997.

### **Latest Band Threat News**

The best news this month is that Paul Rinaldo, W4RI, ARRL Technical Relations Manager, has been named as an official member of the U.S. delegation to WRC 97 in Geneva this November.

There apparently has been no specific new band threat news this month on the Little LEO matter. This situation may remain this way until WRC 97 opens in Geneva in November. However, other country's delegations may yet propose the "broad allocation" scheme as the Little LEO companies have been active all over the world selling this idea. See also p. 9, August 1997 QST.

For the latest news on this volatile issue, read QST,

ARRL Letter, Pacific Division Updates, visit Pacific Division WWW site, visit the ARRL home page at <http://www.arrl.org/> and select "Band Threat News."

We won't be able to breathe easily about WRC-97 issues until the final gavel comes down on Nov. 21, 1997.

For more information on spectrum matters involving the U.S. budget and other spectrum issues, see pages 15, 16, and 74, August 1997 QST.

### **KN6FR, Instructor of the Year**

The ARRL Board at its July meeting named Eric J. Lagerstrom, KN6FR, of Seaside, California, as the recipient of the Herb S. Brier Instructor of the Year Award for 1996. Congratulations, Rick!

### **Sara KE6MWX, Winner in Science Fair**

Congratulations, Sara! Her project, "Does the design of the driven element affect the radiation pattern of a Yagi antenna," placed first in the Junior Division of Electricity and Electronics in the 46<sup>th</sup> annual California Science Fair. Thanks to the Willits ARC newsletter.

### **Landon KE6UAS, QCWA Scholarship**

Landon Quan of San Rafael, CA, was named by The Foundation for Amateur Radio, Inc., as one of the winners of the QCWA Memorial Scholarships -- specifically, the QCWA Robert Cresap (W9LRI) Memorial Scholarship. Thanks to FAR, Inc. news release

### **Dennis K7BV, new NCJ Editor**

Dennis Motschenbacher, K7BV, of Carson City, Nevada, will be the new editor of the National Contest Journal (NCJ), starting with the November/December issue. "It's an awesome honor," Motschenbacher said when he learned he'd gotten the job. "I'm very excited." Congratulations, Dennis! -- ARRL Letter.

### **Coming Events**

- Livermore Swap Meet - 1<sup>st</sup> Sunday of each month at Las Positas College in Livermore, CA, 7:00 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 - 2<sup>nd</sup> Saturday of each month from March to October at Foothill College, Los Altos Hills, CA.
- Reno Ham Radio Flea Market - Aug. 23, 1997 at Naval and Marine Corps. Reserve Center at 4601 Cocoa Ave., (Stead Complex) Reno NV - 8 AM until 3 PM. Sponsored by SNARS. Talk in 146.610 -, PL 123. VE test session at 0900. For more info on test session call Steve W7VI at (702) 972-3672. For overall info, call Swede, WD0AXP at (702) 852-2402.
- ARRL Southwestern Division Convention, Sept. 12-14,

1997, at Riverside CA. Contact Jerry Verduft, AD0A, (310) 784-1295.

• Sonoma County Radio Amateurs Hamfest, Sept. 20, 1997, at Sebastopol CA. Contact Rick Reiner, K6ZWB, (707) 575-4455.

• Pacificon '97 (Pacific Division Convention) to be held at the Concord Hilton, Concord CA, Oct. 17-19, 1997. For information: (510) 932-6125; PACIFICON@designlink.com; WWW <http://www.mdarc.org>. Hotel reservations - 1-800-826-2644 for the special room rate.

## DXAC REPORT

Jack Troster, W6ISQ, Pacific Division DX Advisory Committee, reports the following DX news:

There are no petitions for new countries and no petitions to delete any countries before the DXAC.

What is of interest to DXers is the first draft of the report by the DXCC2000 Committee, which generally outlines the rules and regulations for the new, revised DXCC Achievement Award.

Any newsletter editor or interested person may request a copy of that document by sending an e-mail to: [jmtroster@aol.com](mailto:jmtroster@aol.com). The reply will come via e-mail.

Please understand that this document is only a first pass. The Committee is still working on it. Your present DXCC score will be with you always, so stay cool and loose. There will be changes made by the Committee as it works out the wording and details to avoid future ambiguities.

Meanwhile, the WWV numbers have been improving slightly over the past 10 days, so maybe Cycle 23 is trying to nudge onward and upward.

Brad Wyatt, K6WR  
Director, ARRL Pacific Division

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



Packet: K6WR @ NOARY.#NCA.CA.USA.NOAM  
Internet: [k6wr@arrl.org](mailto:k6wr@arrl.org)  
Pacific Division WWW Home Page <http://www.pdarrl.org/>

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## 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, K6RQ, WB6YRU  
Lightning protection, grounding: WB6YRU  
Station set-up, equipment: AC6FU, K6PBQ, K6RQ  
TVI/RFI: WB6YRU  
Homebrew projects, construction: AC6FU, KD6FJI, 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, K6RQ  
Contesting & techniques: K6RQ  
DX (long distance/propagation): WB6EMR, K6RQ  
Emergency operating/preparedness: WA6QYS  
FM (VHF/UHF, repeaters): WA6VJY  
HF operating techniques (SSB, CW):  
WB6EMR, AC6FU, K6PBQ, K6RQ  
Mobile operating: K6RQ, WN6U  
NTS & traffic handling:  
QRP (HF low power, all modes): WN6U  
TEN-TEN (10 M only): AC6FU  
Classes/license upgrading: W6ACW, AC6FU  
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.,  
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](mailto:jad@aol.com)

K6PBQ, Don Village, (408) 263-2789

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: [wn6u@compuserve.com](mailto:wn6u@compuserve.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](mailto:wb6yru@arasmith.com)

# S.C.C.A.R.A. Membership Form for 1997

(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

E-mail: \_\_\_\_\_ Packet: \_\_\_\_\_

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.

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/Auto-Patch codes (no charge, circle): ..... Yes  
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

NONPROFIT ORG. US POSTAGE PAID SAN JOSE CA PERMIT NO 3318
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Affiliate of the American Radio Relay League

**FORWARD & ADDRESS CORRECTION**