

SCCARA-GRAM



Santa Clara County Amateur Radio Association

Volume 13, Number 8

August 1997



Club Station

It looks like the club station is nearly ready for operation. There will be an antenna-raising work party at the Red Cross on Aug. 10. Contact president Jack AC6FU if interested.

Web-master wanted

The board is considering having a SCCARA web page, but we need someone (web-master) to set it up and maintain it. Also, we need to set up a means of fielding questions that would come in. If you are interested, contact Don Apte, KK6MX, SCCARA internet chairman.

SCCARA Picnic

The annual SCCARA picnic is scheduled for September 21, mark your calendar! It will again be at Mary Gomez Park in Santa Clara around midday. Watch for more details in the Sept. issue and at the next meeting.

Lost & Found

Found after Field Day near CW station: Coat, light tan. Contact President Jack AC6FU.

Calendar

- 8/9 Foothill Flea Market
- 8/10 Antenna party--(San Jose Red Cross)
- 8/11 SCCARA General Meeting
- 8/18 SCCARA Board Meeting--(San Jose Red Cross, 7:30p, all are welcome)
- 9/21 SCCARA Picnic

Next General Meeting:

Day: Monday, August 11, 1997

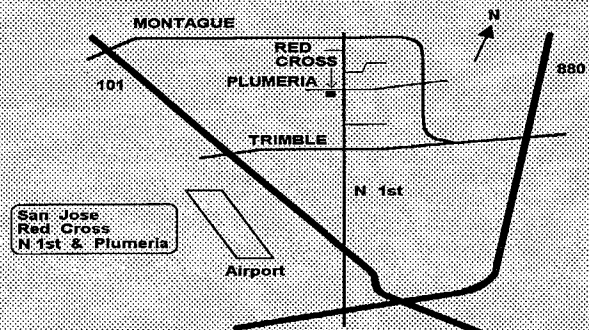
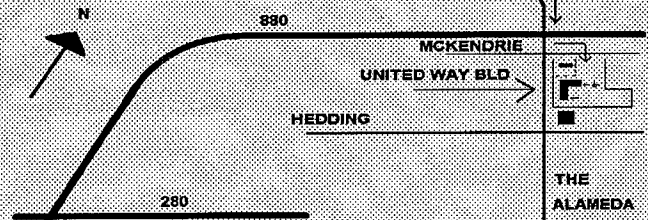
Time: 7:30 PM

Place: United Way Building

Agenda:

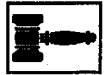
United Way Building 1922 The Alameda

From 880 in San Jose, take the Alameda turn-off South, left on McKendrie, then right into the parking lot (far end).



Meeting Minutes

General Meeting, July 14, 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, KE6QEI	293-3847
Secretary	Dan Dietz, WM6M	458-3460
Treasurer	Lloyd DeVaughns, KD6FJI	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

Meetings was called to order at 7:37 PM by president Jack, AC6FU.

Several announcements were made prior to the evening's program:

Henry Ponce, WD6CGI will operate as XE3EI from Merida Mexico, the capital of Yucatan on Tuesdays, Wednesdays, Thursdays and Saturdays July 15 through August 16. Look for Henry on 20 meters on 14.275 +/-QRM. He will be on a 9 PM PDT. The beam heading from here is 112.9 degrees.

Don, K6PBO announced that he has visited Barbara Norman, widow of SK Norm, KC6VPZ and has made a list of the amateur radio gear that she would like to sell. The list will appear in the next newsletter.

Lou, WA6QYS announced that the Foothill Flea Market was a success with many SCCARA members helping with the setup, selling and cleanup chores. The approximate profit is \$2580.00 from the gate and \$1317.00 from the food concession.

Vice president Barbara, KE6QEI reported that Field Day food costs exceeded the amount collected by only \$23.00. Dan, WM6M, Field Day chairman reported that 958 contacts were made during Field Day. The summary will be completed this week and sent to ARRL this week.

Barbara, KE6QEI introduced Milton Camp, K6OYX of Los Medicos Voladores (The Flying Doctors). He gave some background on the beginnings of the effort in 1972 and showed slides of the activities. The group regularly flies into villages in Mexico to bring staff, equipment and supplies for medical, dental and vision care to those villages.

The business portion of the meeting was conducted after a short break following the program.

A motion was made by Lou, WA6QYS to accept the Secretary's minutes of board and general meeting minutes as published in the SCCARA GRAM. Motion passed.

Wally, KA6YMD reported that there was no news or activity to report relative to the repeater. Don, KK6MX said that the matter of moving the repeater to the city radio vault still has not been acted upon by the city council. It is thought to be scheduled for action this month.

There was no report or representative from the Youth

Committee.

The R5 vertical antenna purchased for installation at the Red Cross building has been located and secured in the club storage locker. We intend to install it soon so that the club station can be installed and put on-the-air at the Red Cross.

Don, KK6MX reported that he has been shopping for a fireproof safe for SCCARA record storage. The safe would be placed in the club's storage locker. The best buy he has found so far is a price of \$300 from Curtis Trading Company in Milpitas.

Tony, K6MOB has been our club newsletter mail carrier since 1989. He announced that he would like to retire from that activity. Volunteers?

Don, KO6HH announced the need to form a nominating committee soon to find candidates to be club officers for 1998. Nominations are in October, elections are in November and installations of officers is done at our annual Christmas dinner. Job descriptions will be printed in the next SCCARA-GRAM.

Lloyd, KD6FJI said that no Treasurer's report was available. It will be made at the next board meeting.

Lou, WA6QYS announced a SVECS breakfast on Saturday, July 26th at 9 AM at the Santa Clara Senior Center at Franklin and Monroe streets in Santa Clara. The speaker will be George Barry, KC6ULT from the San Mateo County Sheriffs Department speaking on intra-agency mutual aid systems.

Barbara, KD6QEI reported on the possible move of meeting site to the Valley Village complex. Our initial request was denied due to their belief that SCCARA would not interact with their residents beyond holding meetings at the facility. We do have a second request before their board of directors with additional support information provided.

Meeting was adjourned at 9:37 PM.

Dan Dietz, WM6M-SCCARA secretary

Board Meeting, July 21, 1997



[nothing received by deadline]

Flea Market

SCCARA DOGS ARE A FLEA MARKET HIT

The SCCARA sponsorship of the July 12th Foothill College Electronics Flea Market was a resounding success. The vendor spaces were a near sell out. 47 dozen donuts, 450 hot dogs, 25 gallons of coffee, and 800 sodas were sold. The clubs successful effort can be attributed to a seasoned crew of flea market entrepreneurs.

The first shift started early, that is 0400 hrs EARLY, registering vendors already there and setting up the food booth. People were asking for coffee even before we were out of our cars. The coffee and donut sales were going strong in no time, joined by expertly grilled breakfast dogs by 0600. By 0800 our talented chefs were at their best grilling lunch dogs. Of course the only difference between the breakfast dogs and lunch dogs was in the perspective of the consumer.

Everyone took on their tasks with enthusiasm; yes even at 0400 and on till 1300 with the clean up crew leaving the grounds cleaner than found.

Accolades are due to the hard workers who made this event possible. They were:

Chris KF6APP	Dan WM6M	Scott KB6UOO
Rex N6BUO	Tony K6MOB	Roy K6VIP
Lloyd KD6FJI	Don K6PBQ	Neal KO6WM
Art W6FS	Bob N6PCQ	Wally KA6YMD
Don KO6HH	John KB6RSB	Gary WB6YRU
Clark KE6KXO	Doug WN6U	El K6ZYY
Andrew, KD6EFL's step-son		
Margaret, AC6FU's XYL		
Gwen, WA6QYS's XYL		

It is heartwarming, when planning an event, to know that there are so many selfless people who you can count on to help make the endeavor a success.

Thanks to one and all.

Lou WA6QYS

Officers & Directors

SCCARA's Elected Officials

In SCCARA-GRAM masthead you will find a listing of "OFFICERS and DIRECTORS," "STAFF," "COMMITTEES," and other SCCARA items. The "OFFICERS and DIRECTORS" are the Elected Officials of SCCARA, the "STAFF" and "COMMITTEES" as well as members for temporary assignments such as Field Day are appointed. The President, Vice-President, Secretary, Treasurer, and Station Trustee (the "OFFICERS") are

elected annually by the membership for one year terms. The directors are elected for two year terms, with either two or three elected every year.

The Board of Directors meets once per month, presently at the San Jose Red Cross on the third Monday of each month at 7:30 PM. The voting members are the President, Vice-President, and the five directors, (the other officers are not board members, but report to the Board). The Board meetings are open to all SCCARA members and usually one or more members attend to observe or bring items to the Board. The Board meetings are the place where almost all SCCARA business items are discussed and decided. The Board also may conduct club business between General or Board meetings.

The President has two primary tasks: he is the chair for the General meetings and the Board meetings, and is the contact for SCCARA with external organizations. Most years this position requires less than two hours per week, although many things need to be done for SCCARA and the President is often the first to know of them. The President also appoints committee chairpersons.

The Vice-President also has two primary tasks: he is responsible for the programs at the General meetings (including getting the speaker and running the raffle), and he is responsible for the duties of the President when the latter is unable to perform them. This position generally requires about the same amount of time as the President's, although it can be rather frantic if a speaker backs out at the last minute.

The Secretary takes and keeps the minutes of all meetings and provides them to the Editor of the SCCARA-GRAM. In addition, the Secretary keeps the documents for SCCARA and is responsible for maintaining the membership roster. Familiarity with a computer, a word processor, and database is important.

The Treasurer is responsible for the day to day financial affairs of SCCARA including: the bank accounts, seeing that the bills are paid, and receiving the dues from members. This position also requires familiarity with a computer and *Quicken* financial software.

The Station Trustee is concerned with the relationship between W6UW / W6UU, and the FCC. This position is defined by the FCC rules and requires little time as long as nothing goes wrong. He is also the officer in charge in case of any illegal operation involving the club stations and reports any such activity to the Board.

The Directors do not have specific tasks similar to Officers, but are expected to attend General and Board meetings, set club policy, and help decide what SCCARA should do. The Officers do the day-to-day work of keeping the club running while the Board of Directors is the club's

ruling body.

Being a Director or Officer of SCCARA can be a rewarding experience and gives one a different perspective of one of the important parts of amateur radio.

Don, KO6HH

CDF CHILE

A favorite at Field Day:

1 lb Hamburger
1 can no-bean chile con carne
1 lb (can) peeled, chopped tomatoes
3 cans pinto beans
1 can kidney beans
salsa (sm) This is the "temperature" of the chile--mild, medium, or hot for your personal preference.

Brown hamburger, drain fat. In large stew pot place the contents of all cans, including liquids, and browned hamburger. Slowly raise temperature to a boil, for about 5 minutes, stirring constantly. Reduce heat to simmer. Stir periodically to prevent sticking and burning.

Enjoy!
Barbara, KD6QEI

Field Day Report

Field Day 1997
By Dan Dietz, WM6M

It's over! Field Day 1997 is in the books as a great success and another fine adventure in the outdoors by our hardy and intrepid crew. If you weren't there, you missed quite an event. If you were there, thank you for your support and effort, and I hope you had a great time.

The weather was a bit cool this year, actually a good thing remembering some rather hot Field Days of years past. There was no rain or fog but a chilly wind did set the stage for the evening and morning hours. It kept the wee hours operators wide awake which helped with the score.

Both phone and CW stations recorded the highest numbers of contacts that I can remember. The phone crew, captained by taskmaster and master videographer Mike, KB6LCJ, made 428 contacts. CW captain Don, K6PBO put in several long runs with his trusty bug. He and his group amassed 449 contacts. When the dust had settled, Eric, KC6SPV had kept the novice station humming with 17 contacts despite a somewhat late start and totally outdoor

operating conditions. Gary, WB6YRU and the VHF gang brought 62 more contacts into the total. The total number of contacts was 956. The total QSO points is 2844. The bonus points should be 1000 more points for a final score of 3844.

Special thanks to Barbara, KD6QEI and Wally, KA6YMD for buying, bringing, cooking, and serving outstanding meals throughout the weekend. Also a "thank you" to the committee which planned and executed the preparations and operation of Field Day.

We had at least two groups of visitors tour our site on Saturday. SCCARA had an assortment of printed material available and provided a hospitable greeting and tour to those groups.

So whether you stayed for the weekend or for a short time, if you came to Field Day this year, you had to have a good time!

35. Bird Model 43 wattmeter	sold
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 Isoloop antenna	175
44. Drake low pass filter	30
45. 3 foot tripod	10

The phone number for contact is Delphie Stevens 408-377-6722. 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

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. AEA PK 232 TNC	125
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. Alinco DJ 180 2 meter HT w/desk charger	sold
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. Kenwood HC 10 world clock	25
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. American Leigon 440 mhz J pole new	15
33. ICOM BP-5 Battery Pack new	65
34. ICOM ICP-2AT 2 meter HT	185

KC6VPZ Estate Sale

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

1. Alinco DJ580 Dual bander w/spk mike, cig lighter plug, no charger, manual	225
2. Trippe MFG Co 13.8 V, 3 A pwr sup.	10
3. Tripplite PR10B 13.8 V, 10 A pwr sup.	30
4. Ranger RC1-2950 10 meter XCVR 8/25 W	75
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.

Amateur Class

Instructors needed

I am in charge of the Novice/Tech class this fall for SCCARA. This is still in the organization stages. We plan to have them Thursday nights Labor Day to Thanksgiving. We need instructors for theory, about one hour time slots either two or three times for the course. We hope to have

them at the Adult Education Center in Santa Clara on Benton Street. Theory and code will be separate, code at 6:00 PM and theory at 7:30 PM. If anyone is interested in helping, please let me know.

73, Don KO6HH

Noxious? Offensive?

Does anyone have the February 1995 issue of Worldradio I could borrow? I was looking over some old packet files and came across this one, and would like to look into it:

=====
Date: 3 Feb 95 13:17
From: W5VYC@WB2ARS
To: ALL@ALLUS
Subject: "Noxious and offensive"

For those who haven't read Worldradio for February, a Florida judge has ruled that "Amateur Radio transmissions are noxious and offensive." I am posting this message to try to remind hams in traffic handling and search and rescue of this when Florida again has some kind of disaster. Remember that third party traffic is also "NOXIOUS AND OFFENSIVE". Let Florida's stupid judge get them help and pass health and welfare traffic!

Thanks,
73, Gary WB6YRU

Packet Pieces

Downloaded from the packet network:

=====
Date: 31 Mar 97 00:10
From: N8QGE@N8QGE
To: INFO@USA
Subject: Station Protection Pt 3 of 3

Ham Radio Station Protection

This is the third of a three part series on lightning protection information for the ham radio community.

Ground System Materials

Solid copper (wire/strap) or copper clad steel

(rod), makes copper the most commonly used grounding material. Your below grade ground system should be made with the same material throughout. Mixing of materials, like galvanized rods with bare copper radials, will create a battery action and the zinc of the galvanized rods will become sacrificial, dissolving into the soil. This leaves bare steel to rust which will not provide an optimum connection to earth. (Note: when wet, rust can conduct. It is not the best!) Using stainless rods in order to prevent corrosion will not provide the best conductivity. Since stainless wire will be required to interconnect the rods, the resistance of the system will increase. An all aluminum ground system should only be considered in very acid soil conditions and even then it should be chemically tested for other attacking soil compounds.

Joints between copper radials and copper clad rods should be made by exothermic welds or by using joint compounds in high compression clamps. Solder connections, even torched silver solder connections will not last as long as the above. An exothermic weld is created with a graphite mold of the connection into which copper oxide and aluminum powders are placed. An additional starter powder ignites the exothermic process. The resultant molten copper is deposited into the lower mold cavity where it burns away any oxides and creates a larger fused connection. The larger cross sectional bond decreases the resistance, increases the surface area which reduces the inductance of the joint. Since the materials are all the same, the connection will last as long as the rest of the grounding material. High pressure clamps provide a meshing of copper to copper since the material is soft (malleable). The use of joint compounds further enhances the weather tightness of the bond. The high pressure will need to come from another material stronger than copper.

If you find a rock layer is making the ground rod insertion tough and you can't remove the rod to start over a few feet away, the best idea is to cut off the rod and connect it to the system. A rock layer will hold water and salts which means the conductivity will be good. Making more connections to areas of higher conductivity will reduce the overall impedance of the ground system. Note, we said impedance, which is resistance and inductive reactance (inductance). Your ground system has a resistance and an inductance value. (It has capacitance too!) The amount and location of the inductance can choke off the effectiveness of radials. When a radial is in poorly conductive soil such as buried in a dry, sandy layer, the radial inductance can be calculated as being in air (a very poor conductor). When the radial runs in highly conductive moist soil (maybe doped soil), the inductance of the wire is shunted by the soil's conductivity, making it unimportant. Since copper strap has lower inductance than wire, it is recommended for the radial run. The strap's extra surface area reduces the inductance and the sharp edges allow for a high E field concentration which will force more charge into the soil. Therefore, you don't have to worry about variations in soil conductivity. Short

multi-point (like bobbed wire) type grounding systems have been tried and have not been as effective as the sharp edge of copper strap for ground rod interconnecting material or for radial runs without rods. Copper strap radials have been proven successful on bare mountain top solar powered sites where ground rods could not be used. The strap edges helped disperse the strike's deposited charge to the tower by arcing onto the mountain surface, saving the solar powered radio equipment at the site.

Adding ground doping material to your radial trenches and rods can be done. Stay away from gels and other chemicals which can shorten the conductor life. In poor soils, concrete is least expensive although there are other conductive materials on the market. All add-on conductive grounding materials do little except make your copper conductors larger. This gives some percentage of improvement but it still must interconnect to Mother Earth and the Earth is conductive where it has both salts and moisture. If the soil is dry around the grounding material, the connection to Earth will be poor, regardless of the advertised claims. If the area is not large enough, the Earth connection will suffer. By increasing the area of your ground system with the addition of more radials, the same improvements can be obtained for less money.

Longevity

After doing all this work it is sad to say that Mother Nature has a way of making anything we do temporary. Once a ground system is in the ground it will start to age. Copper and other metals are attacked by acids while aluminum is attacked by bases. Other chemicals may be present in the soil which can cause decreased effectiveness of the grounding materials. This is why maintenance testing is important. While some ground systems last 30 years, others don't even last two years! There are two ways of finding out if your ground system is in need of work. One is after a lightning strike-too late! The other is to measure the system. An old timer once told me that he tested a ground by disconnecting it from everything and connecting it to power "hot" through a 30 amp fuse. If the ground was good, the fuse would blow. It is strange this guy lived to be old! This is not the way to test a ground and it could change the soil conductivity by attempting such a test. The proper way is to use an earth resistance meter which will provide a fall of potential type test. Be careful when connecting a ground system to your electrical utility ground rod. Depending on ground conductivity, harmonic and other currents could flow causing a spark when connected.

There is more, much more, to proper grounding for lightning protection. We have given you an overview here and invite you to read more on the subject. Our book "The 'Grounds' for Lightning Protection"- second edition, is a good starting point. Anytime we stick the tallest conductor in the air, you can bet on it getting hit. It is just a matter of time. Next time, we will discuss the issue of attempting to prevent a strike.

=====
Date: 23 Jul 97 15:28

From: VE7MTY@VE7CMR

To: HUMOUR@USA

Subject: BUMPER STICKERS..THE LIST!!

Hello all from Vancouver, BC Canada! Thanks to all who sent me their favourite bumper stickers. I have put together a list of the best! If you have any more great bumper stickers, send them to me and I will add them to the list.

BUMPER STICKERS

SURFERS ONLY RIDE THINGS THAT ARE REALLY SWELL

HONK IF YOU'RE HORNY

WATCH MY ASS, NOT HERS!

DON'T FOLLOW ME. I'M LOST ALREADY!

YOU DON'T HAVE TO WORRY ABOUT THE DRIVER, JUST THE PASSENGER.

PITBULL WITH AIDS

FORGET WORLD PEACE! VISUALIZE USING YOUR TURN SIGNAL

PASS QUICKLY---DRIVER CHEWS TOBACCO

I LIKE YOU, BUT WOULDN'T WANT TO SEE YOU WORKING WITH SUB-ATOMIC PARTICLES

WE ARE MICROSOFT. RESISTANCE IS FUTILE. YOU WILL BE ASSIMILATED

I MISS MY EX-WIFE, BUT MY AIM IS GETTING BETTER!

BE NICE TO YOUR CHILDREN. THEY'LL BE CHOOSING YOUR NURSING HOME!

MY KARMA RAN OVER YOUR DOGMA

HAM OPERATORS DO IT 'TILL THEIR MEGA-HERTZ!

DON'T LAUGH AT MY CAR--YOUR DAUGHTER MIGHT BE IN IT!

IT MAY BE UGLY, BUT IT'S PAID FOR

DON'T HONK. I'M PEDDLING AS FAST AS I CAN!

MY PORSCHE IS IN THE BODY SHOP

GET IN, SIT DOWN AND SHUT UP

I LOVE CATS. THEY TASTE JUST LIKE CHICKEN
OUT OF MY MIND. BACK IN FIVE MINUTES
COVER ME. I'M CHANGING LANES
AS LONG AS THERE ARE TESTS, THERE WILL BE
PRAYER IN PUBLIC SCHOOL
LAUGH ALONE AND THE WORLD THINKS YOU'RE AN
IDIOT
SOMETIMES I WAKE UP GRUMPY. OTHER TIMES I LET
HIM SLEEP
I WANT TO DIE IN MY SLEEP LIKE MY
GRANDFATHER---NOT SCREAMING AND YELLING LIKE
THE PASSENGERS IN HIS CAR
I DIDN'T FIGHT MY WAY TO THE TOP OF THE FOOD
CHAIN TO BE A VEGETARIAN
It IS as bad as you think, and they ARE out to get you
YOUR KID MAY BE AN HONOR STUDENT, BUT YOU'RE
STILL AN IDIOT
TIME IS THE BEST TEACHER. UNFORTUNATELY, IT KILLS
ALL ITS STUDENTS
IT'S LONELY AT THE TOP, BUT YOU EAT BETTER
GIVE ME AMBIGUITY OR GIVE ME SOMETHING ELSE
WE ARE BORN NAKED, WET AND HUNGRY. THEN,
THINGS GET WORSE
WHY DO WE PARK ON DRIVEWAYS AND DRIVE ON
PARKWAYS?
HE WHO LAUGHS LAST, THINKS SLOWEST
LIFE IS HARD, YOU PAY TAX, THEN YOU DIE
I MAY BE FAT, BUT YOU'RE UGLY AND I CAN ALWAYS
DIET
BACK OFF OR I'LL FLICK A BOOGER
ALWAYS REMEMBER, YOU'RE UNIQUE, JUST LIKE
EVERYONE ELSE
VERY FUNNY, SCOTTY. NOW BEAM DOWN MY CLOTHES
CONSCIOUSNESS: THAT ANNOYING TIME BETWEEN
NAPS
I SUPPORT PUBLIK EDEKASION

THERE ARE THREE KINDS OF PEOPLE. THOSE WHO
CAN COUNT AND THOSE WHO CAN'T
WHY IS ABBREVIATION SUCH A LONG WORD?
TOO BAD HOUSAIN, IT'S ON PROPANE
I LOOK FORWARD TO A TIME WHEN SCHOOLS ARE
GIVEN MILLIONS AND THE ARMED FORCES HAS BAKE
SALES
I'M NOT SCHIZOPHRENIC, AND NEITHER AM I
SUPPORT MENTAL ILLNESS--OR I'LL KILL YOU
I STILL MISS MY EX-HUSBAND---BUT MY AIM IS
IMPROVING
LOTTERIES: A TAX FOR PEOPLE WITH POOR MATH
SKILLS
ON A COLD NIGHT YOU CAN HEAR A FORD RUST
I WOULD RATHER PUSH MY CHEVY THAN DRIVE A
FORD
FORD: Found On Road Dead...Flip Over and Read
Directions...Fix Or Repair Daily...First On Race Day
WILL WORK FOR BEER
BEER....IT'S NOT JUST FOR BREAKFAST ANYMORE
Tyson BITES!
I TRIED TO GET A NEW CAR FOR MY WIFE, BUT THEY
WOULDN'T ACCEPT THE TRADE
WHILE YOU'RE HONKING, I'M RELOADING
Very 73, Marty VE7MTY
=====
The Facts of Life via K8CV:
1. The 2 most common elements in the universe are
hydrogen and stupidity.
2. If at first you don't succeed, skydiving is not for you.
3. Money can't buy happiness...But it sure makes misery
easier to live with.
4. Deja Moo: The feeling that you've heard this bull
before.
5. Psychiatrists say that 1 of 4 people are mentally ill.
Check 3 friends. If they're OK, you're it.
6. Nothing in the known universe travels faster than a bad
check.
7. A truly wise man never plays leapfrog with a unicorn

8. It has recently been discovered that research causes cancer in rats.
9. Always remember to pillage BEFORE you burn.
10. If you are given on open-book exam, you will forget your book.
11. COROLLARY: If you are given a take-home test, you will forget where you live.
12. The trouble with doing something right the first time is that nobody appreciates how difficult it was.
13. It may be that your sole purpose in life is simply to serve as a warning to others.
14. Paul's Law: You can't fall off the floor.
15. The average woman would rather have beauty than brains, because the average man can see better than he can think.
16. Clothes make the man. Naked people have little or no influence on society.
17. Vital papers will demonstrate their vitality by moving from where you left them to where you can't find them.
18. Law of Probability Dispersal: Whatever it is that hits the fan will not be evenly distributed.
19. A 0.44 Magnum beats 4 aces.

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

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

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

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

Newsletter Notes

Remember, the board voted to authorize the purchase of a 600 DPI printer? Well, Mike KB6LCJ came up with an idea... He has a surplus high-speed laser printer with native 600 DPI and it prints on both sides of a page. The idea is to use it to print up all of the newsletters instead of having them copied. This would also allow the automated printing of mailing labels on each *SCCARA-GRAM*. It's not known how much money this might save on copying costs, if any. It would save time, effort, and cost of labels. On the down side, the large photocopiers can collate and staple each newsletter on the fly, the printer can't do that.

Needless to say, we're still looking at options. If someone has any other ideas, let's hear 'em.

73, Gary WB6YRU, editor

ARRL Pacific Division Update

August 1997

Gate 3 Vanity Call Program to Open

The FCC announced on July 3 that Gate 3 for Advanced Class licensees will open on Aug. 6, 1997. Details on the Vanity Call program can be found on the ARRL WWW site at 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.

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 web at <http://thomas.loc.gov/cgi-bin/query/z?c105:S.543.ENR>. The text should also be available from other sources.

PL 105-19 is much broader in scope than the Amateur Radio Volunteer Services Act of 1997 -- To quote PL 105-19, "The purpose of this Act is to promote the interests of social service program beneficiaries and taxpayers and to sustain the availability of programs, nonprofit organizations, and governmental entities that depend on volunteer contributions by reforming the laws to provide certain protection from liability abuses related to volunteers serving nonprofit organizations and governmental agencies."

See p. 15, August 1997 QST for more information.

Amateur Radio Volunteer Services Act

Now that PL 105-19 is law, it is likely that H.R. 1013 will not have further consideration in Congress, although it is technically alive. Many thanks to Congresswoman Anna Eshoo (CA 14th) for introducing H.R. 1013!

Spread Spectrum NPRM In FCC Hands

WT Docket 97-12, proposes to make significant changes in the regulations governing Amateur Radio use of spread spectrum (SS) technology. The changes are targeted to encourage greater use of this mode, a mode that is

expanding very rapidly in the Part 15 commercial world. The text of the Docket can be found on the FCC web site at <http://www.fcc.gov/Bureaus/Wireless/Notices/1997/fcc97010>. See page 78 of May QST for more information. The text of the Comments and Reply Comments on the NPRM can be found on the TAPR WWW site <http://www.tapr.org/ss>. I urge you to read the filings and participate in the discussion even though the deadline for comments has passed.

Committee Proposes New Licensing Plan

One of the charges given to the ARRL WRC-99 Planning Committee by the ARRL Board of Directors early last year was to study the U.S. amateur licensing structure. A full discussion of the Committee's proposals related to the U.S. licensing structure is given in March QST at page 55. Please read it and offer your comments to ARRL and to me.

My thanks to all of you who have written already. I have read each e-mail and hard copy letter and noted your thoughts. My goal is to respond to each of you in the Division who have written me directly. It is interesting to note that so far there seem to be as many views on this matter as letters and messages received. So far, there is clearly no consensus of opinion.

Please remember that this is just a proposal and there is no certainty that the ARRL Board will adopt this or any other proposal on this matter. Further, it is not clear that the FCC is even interested in revising the Amateur Radio licensing and testing structure.

ARRL VEC Pacific Division Number

To obtain all the Amateur Radio license testing information for the ARRL VEC Pacific Division, call (408) 984-8353. Follow the menu to obtain the necessary details. This information is also available on the Pacific Division WWW site at www.pdarrrl.org.

Ham Newsletter Competition

The Amateur Radio News Service (ARNS) seeks entries in its annual competition to identify and recognize "superior performance in Amateur Radio journalism" and to evaluate club newsletters "with suggestions for improvement."

The competition is open to all ham radio organizations, and membership in ARNS is not required to enter. Prospective applicants should obtain a contest entry form from ARNS by sending a business-size sase to ARNS President Lee Knirko, W9MOL, 11 S La Salle St, Ste 2100, Chicago IL 60603-1302. The deadline for entries is December 31, 1997. Thanks - Jerry Boyd, K6BZ/ARNS

New Pacific Division WWW Webmaster

Paul Wesling, KM6LH, has agreed to assume the helm of the Pacific Division web site. Paul has been most recently the assistant webmaster handling the Club and VEC

sections of the site. Paul is seeking volunteers to help. Contact Paul at paulw@pdarrl.org.

All information on the site is now current. There are significant changes planned for the future.

Many thanks to Randy Foutch, KE6HCI, who has been the webmaster and an Assistant Director since the inception of the site. Randy has gotten us this far, but his many other activities required him to resign both positions recently.

Avalanche of New Antenna Ordinances

There is a huge new wave of antenna ordinances being proposed by cities and counties. These ordinances are being driven by the spectrum auctions and by new and expanding numbers of Cellular and Personal Communications Services licenses being issued.

All of us need to be aware of this trend. When you first sense any of this action in your community, contact your Section Manager, the ARRL Regulatory Information Branch, and me immediately so that we can get help to you and the rest of the hams in your community. The key to a successful defense is to separate the commercial interests from Amateur Radio in the minds of the responsible officials. It's vitally important that your city or county officials understand Amateur Radio involvement with emergency communications - this story must be told repeatedly, especially before the antenna ordinance crisis develops!

Robert AA6VB, Volunteer Counsel

I am pleased to announce that Robert Chortek, AA6VB, has become a Volunteer Counsel for the Pacific Division in the San Jose CA area. Welcome, Bob.

Sacramento County Citizen of the Year

The Sacramento County Board of Supervisors recently named Jay O'Brien, W6GO, as its Citizen of the Year. The full story is on page 11-12 of the July issue of Worldradio. Congratulations, Jay! Tnx - Worldradio.

Latest Band Threat News

There is nothing specifically new to report 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, Pacific Division Updates in hard copy. Read ARRL Letter, Pacific Division Updates on e-mail; 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.

Coming Events

- Livermore Swap Meet - 1st 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 - 2nd Saturday of each month from March to October at Foothill College, Los Altos Hills, CA.
- Mt. Shasta ARC Swap Meet, Aug. 2, 1997, in Mt. Shasta, CA. Contact Rich Zanni, KJ6RA, (916) 926-1237. Talk in 146.82.
- Humboldt ARC Hamfest, Aug. 2-3, 1997, in Eureka, CA. Contact Wayne and Cynthia Carlson, KF6AAP & KF6CMC at (707) 668-4396.
- River City Hamfest, Aug. 16, 1997, at Bella Vista High School, Fair Oaks, CA. Contact Lewis Tuttle, AC6QP, (916) 771-2336
- 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.

Brad Wyatt, K6WR
Director, ARRL Pacific Division

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

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



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 ==

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AMATEUR RADIO ASSOCIATION
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