

SCCARA-GRAM



Santa Clara County Amateur Radio Association

Volume 18, Number 1

January 2002



President's Prose

Very soon we will be entering the year 2002. As I reflect on the past year, I recall all the good times we have had at social events. The most recent was the Christmas luncheon at Hungry Hunter in Milpitas.

The luncheon was wonderful. There were 25 people that enjoyed the fellowship and joy of the Christmas season. The Master of Ceremonies was Don Village, K6PBG. The program included an invocation given by Don Village, followed by lunch, then the Swearing in of the Officers for 2002 by Royal Metzger, handing out of certificates, and the gift exchange.

The Certificates of Appreciation were given to: Don Village for Monday Night Net Controller and Social Events Coordinator; Mike Hastings: Monday Night Net Controller; Field Day Chairman; Wally Britten: 10 Meter Net Controller, Repeater Chairman; Don Haden: Speaker Coordinator; Clark Murphy: Speaker Coordinator; Gary Mitchell: BBS/Packet Chairman and SCCARA-GRAM Editor.

Other than the social events we have had a good year. The meetings had good speakers (thanks to the work of Don Hayden, KO6HH, and Clark Murphy, KD6KXO). The editor of the SCCARA-GRAM, Gary Mitchell, WB6YRU, has been excellent as usual. Gary works very hard on the SCCARA-GRAM. He got some help from members who sent him articles and pictures that were printed in the newsletter. I hope that more people will be sending him articles and pictures for next year's newsletter.

We elected a new secretary this year, Willy Maquinalez, KG6HJE. He lives in Gilroy, is a member of the American Red Cross, and has worked out of the Gilroy and San Jose offices. I plan to interview him for a future newsletter article. WELCOME ABOARD WILLY!

We celebrated 80 years as club this year. I haven't been a member that long, and I can only imagine what this club was like 80 years ago and have seen all the changes that took place in those 80 years. The digital age has changed our radios. We have gone from tube radios that were fairly big in size to the present dual band radios with chips that are as

Calendar

- 1/14 SCCARA General Meeting
- 1/21 SCCARA Board Meeting--(San Jose Red Cross, 7:30p, all are welcome)
- 2/11 SCCARA General Meeting

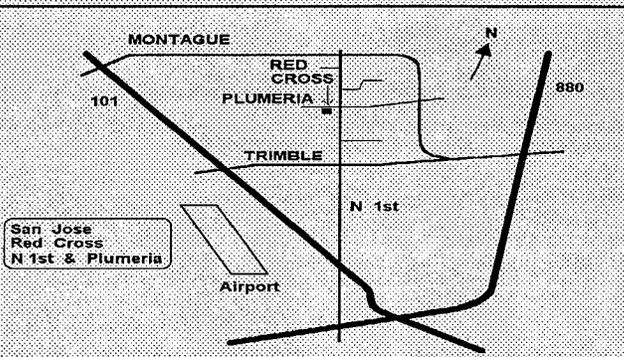
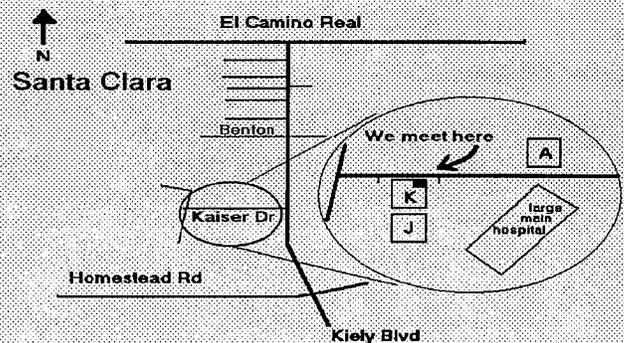
General Meeting:

Day: Monday, Jan. 14, 2002

Time: 7:30 PM

Place: Kaiser Santa Clara, Bld K, Rm 1

Featuring: {to be announced}



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.

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

SCCARA was formed in 1921 and became a non-profit corporation in 1947. SCCARA is an affiliate of the American Radio Relay League (ARRL). The club station is W6UW. Web page: <http://www.qsl.net/sccara>.

OFFICERS - DIRECTORS - STAFF

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	e-mail: williemaq@hotmail.com	
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	e-mail: ldevaughns@aol.com	
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	e-mail: wa6vjy@juno.com	
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COMMITTEES

Repeater	Wally Britten, KA6YMD	293-3847
	e-mail: ka6ymd@juno.com	
N0ARY BBS	Gary Mitchell, WB6YRU	265-2336
	e-mail: wb6yru@aenet.net	

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 auto-dial and auto-patch is available. The two meter repeater is located at the Santa Teresa Hospital, south-west San Jose (near IBM). The 70 cm repeater and N0ARY-BBS is located at the Regional Medical Center (formerly Alexian), east of downtown San Jose (north of 280 and 101).

SCCARA NETS

On our two meter repeater: Mondays at 7:30 PM, (not the second monday--our meeting night). Coordinator: Don K6PBQ. On ten meters, 28.385 MHz USB, Thursdays at 8:00 PM. Net control: Wally KA6YMD. Visitors welcome.

N0ARY PACKET BBS

SCCARA hosts the packet BBS N0ARY (San Jose). User ports: 144.93 (1200 baud), 433.37 (9600 baud), telephone 408 259-8497, internet (by registration only, get info by sending e-mail to: info@n0ary.org). Sysop: Gary WB6YRU

TELEPHONE NUMBERS

SCCARA contact Clark KE6KXO:	408 262-9334
ARRL/VEC Silicon Valley VE group:	408-243-8349
me-ac6z@worldnet.att.net	

small as a cigarette package. Cell phones and other technologies have tried to push ham radio operators into extinction. Extinction will not happen as long as there is a need for our services.

The events of September 11 proved that ham radio operators are going to be needed in times of disaster. Phone communications didn't work too well because there were too many people trying to use their phones. The only thing that really worked were the ham radio operators that were on the air immediately after the first plane hit the north tower. They were on the air long after the towers crashed to the ground. Mayor Guilianni stated in a TV announcement, that he really depend on the amateur radio community as the communication system became very overloaded.

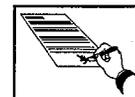
The events of September 11 have changed all our lives in one way or another. I prayed for all the lives that were lost and their families as they went through the grieving process. Thanks to all the men and women who worked so hard immediately after the crash to save all the lives they could. Some people became instant heroes, although they considered that everything they did was all in the line of duty. The millions of dollars that were collected from all over the country and the world helped the rest of us not directly involved in the work of saving people, feel like we had done something to help the victims. The terrorists tried to tear us apart. They failed. We became stronger, more united and more patriotic than ever before. The powers that be have warned us that there could be more events like this in the future. We have become more aware of changes in our surroundings. We have been placed in a constant state of alertness. We need to keep our ham radio license and training current to keep us ready to respond when the need arises.

The future of SCCARA is going to continue to provide the community those things that were outlined in our Charter. Next February, we are having a no code technician class. We are going to do something to improve the transmission of our repeater at the Santa Teresa Hospital site, get the radio station working at Regional Medical Center, have an interesting and challenging Field Day, and more people being involved in the social events.

I look forward to seeing many of the members at future events.

Season's Greetings and a Happy New Year to all.

73, Barbara, KD6QEI



Meeting Minutes

General Meeting, Dec. 15, 2001



{No minutes received by the deadline. --Ed.}

Board Meeting, Dec. 17, 2001



{No minutes received by the deadline. --Ed.}

No-Code Tech Class

The Winter 2002 SCCARA no-code class will start Thursday February 7, 2002 7:00 PM at Kaiser Santa Clara. There will be classes on February 14, 21, 28 and March 7, all starting at 7:00 PM and continuing until 9:30 PM. There is no fee for the class. The text will be the 4th edition of "Now You're Talking" and will be available for purchase at the first class meeting for \$18.50 including tax. Students should bring notebook and pen or pencil and a calculator. The instructors will be Bob, N6PCQ; Clark, KE6KXO; Wally, KA6YMD; Rich, AD6YC; and Don, KO6HH.

Don, KO6HH

ARRL News

From *The ARRL Letter*, November 30, 2001

COMMENTS DUE FEBRUARY 12 IN "BAND THREAT" PROCEEDING

Comments are due February 12, 2002, in an FCC Notice of Proposed Rule Making and Order, ET Docket 01-278, that ARRL has targeted as a potential band threat. Reply comments are due on March 12, 2002. The proceeding deals in part with a potential threat to the popular 70-cm band from Part 15 RF identification devices proposed for deployment between 425 and 435 MHz.

SAVI Technology, which markets radiolocation and wireless inventory control products, told the FCC it needs the rules changes to satisfy customer demand for increased RFID system capabilities. The FCC has proposed to allow operation of RFIDs as unlicensed Part 15 devices in the 425-435 MHz band with transmissions of up to two minutes at field strengths now only permitted for extremely short-duration, intermittent control signals.

The ARRL has argued that under the Communications Act of 1934 the FCC lacks authority to permit unlicensed devices with substantial interference potential and that such devices

must be licensed. The League also is looking into the interference potential posed to 20 meters by a proposal to increase the maximum emission levels permitted by Part 15 devices operating at 13.56 MHz, as well as the maximum level of out-of-band emissions.

Commenters are advised to read paragraphs 20-27 of the NPRM&O, available on the ARRL Web site <<http://www.arrl.org/news/stories/2001/10/19/1/290a11.html>>. Interested parties may file comments using the FCC's Electronic Comment Filing System, <<http://www.fcc.gov/e-file/ecfs.html>> (search using "01-278"). Commenters should include full name, US Postal Service mailing address, and applicable docket or rule making number--in this case ET 01-278.

It's also possible to e-mail comments via the ECFS. To obtain e-mail filing instructions, commenters should send an e-mail to ecfs@fcc.gov and include the words "get form <your e-mail address>" in the body of the message. A sample form and directions will be sent by reply e-mail.

G3AQC'S SIGNAL SPANS THE ATLANTIC ON 73 kHz!

Low-frequency experimenter Lawrence "Laurie" Mayhead, G3AQC, has added another LF accomplishment to his list--transatlantic reception of his 73 kHz signal. Word of the LF exploit comes just weeks away from the centennial of the historic transatlantic transmission of December 12, 1901, when Guglielmo Marconi, in Newfoundland, received the letter "S" transmitted from England.

Mayhead reports that on the night of November 21-22, his signal on 72.401 kHz was received in the US. "I managed to transmit a full call sign to John Andrews, W1TAG, in Holden, Massachusetts," he said. Mayhead was using dual-frequency CW--or DFCW--featuring elements that are two minutes long, and Andrews detected his signal using ARGO DSP software.

Andrews, who lives in Central Massachusetts, says he first tried to receive G3AQC's 73 kHz transmissions last spring, but got only partial copy. Mayhead resumed beaconing again in late August, and Andrews devoted "quite a number of evenings" to trying to hear him. His patience was rewarded November 20 (UTC), when he reports G3AQC's signal "magically appeared from the noise" and, although very weak, showed up on his computer display. Initially, Mayhead was just sending his call sign suffix--"AQC"--over and over, but the next night he began repeating his full call sign.

"Luck being with us, conditions were absolutely amazing," Andrews said, adding that G3AQC's signal was much clearer than the previous evening. "Figured by grid squares, the distance between G3AQC and W1TAG was 3275 miles (5270 km)," he said. G3AQC and two other UK stations have transmitted since the evening of November 21-22, but no

further reception has occurred.

Andrews said he lives in a residential area that's not known for being especially "quiet," so he's puzzled that he's apparently the only US station to hear the 73 kHz transmissions from the UK.

Last February, Mayhead and Larry Kayser, VA3LK, in Ontario, completed a transatlantic Amateur Radio contact on 136 kHz. The UK's 73 kHz band is a 2.8 kHz sliver of spectrum, from 71.6 to 74.4 kHz. The ARRL has petitioned the FCC to create two low-frequency Amateur Radio allocations--at 136 kHz and at 160-190 kHz. FCC action is anticipated in 2002.

From *The ARRL Letter*, December 7, 2001

TAKE A NUMBER: FRN NOW MANDATORY

Anyone filing an Amateur Radio application now will be asked to supply a 10-digit FCC Registration Number (FRN) issued by the FCC's new Commission Registration System, or CORES. The requirement applies to FCC applications filed on-line or on paper. The FCC also has supplanted Universal Licensing System (ULS) registration with "CORES/Call Sign" registration, so applicants no longer need to register separately in both systems.

Most, if not all, hams who registered previously with the ULS already have an FRN, although they may not know it yet. The FCC just completed another cross-registration to include those already on the ULS books within the CORES "entity registration" database, and another is scheduled. Amateurs can learn their FRNs by doing a license search on the FCC's Universal Licensing System page <<http://wireless.fcc.gov/uls/>>. FRNs also are displayed via the ARRL call sign server on ARRLWeb <<http://www.arrl.org>>.

The FCC has updated its ULS page <<http://wireless.fcc.gov/uls/>> to reflect the new reality and to make the page a bit less confusing. Amateurs not yet registered in CORES who click "CORES/Call Sign" registration will be redirected to the CORES site to complete that process. Amateurs who click "Online Filing" are advised to proceed to CORES to register if they do not already have an FRN, then return to ULS for filing.

Those filing on-line applications now are asked to supply either an FRN or a Taxpayer Identification Number (TIN--a Social Security Number for an individual) plus a password, typically the same for both CORES and ULS.

The process is a bit more daunting for new club station applicants, who now will be asked to register in CORES as business entities. Such applicants also may file with a Club Station Call Sign Administrator using Form NCVEC 605 and

simply leave the FRN field blank. ARRL VEC Manager Bart Jahnke, W9JJ, says that in those cases, the Club Station Call Sign Administrator (CSCSA), such as ARRL, will register the club station entity in CORES on the applicant's behalf.

The FCC also now only accept FCC Form 159 (Remittance Advice) dated February 2000 or later, which requires providing an FRN. A copy of the acceptable version is available on the FCC Web site <<http://www.fcc.gov/fees>>. At the left side of the page, click on "Form 159".

For more information about the Commission Registration System or on obtaining an FRN, contact the CORES Help Desk, 877-480-3201, cores@fcc.gov.

Packet Pieces

Downloaded from the packet network:

=====
Date: 27 Mar 99 21:01
From: WA1GDJ@K1UGM
To: HUMOR@USA
Subject: NEW MATH

"The New Math"

A ten-year-old Jewish boy was failing math. His parents tried everything from tutors to hypnosis; but to no avail. Finally, at the insistence of a family friend, they decided to enroll their son in a private Catholic school. After the first day, the boy's parents were surprised when he walked in after school with a stern, focused and very determined expression on his face. He went straight past them, right to his room and quietly closed the door. For nearly two hours he toiled away in his room - with math books strewn about his desk and the surrounding floor. He emerged long enough to eat, and after quickly cleaning his plate, went straight back to his room, closed the door and worked feverishly at his studies until bedtime.

This pattern of behavior continued until it was time for the first quarter's report card. The boy walked in with it unopened - laid it on the dinner table and went straight to his room. Cautiously, his mother opened it and, to her amazement, she saw a large red 'A' under the subject of Math. Overjoyed, she and her husband rushed into their son's room, thrilled at his remarkable progress.

"Was it the nuns that did it?" the father asked. The boy shook his head and said "No."

"Was it the one-to-one tutoring? The peer-mentoring?"
"No."

"The textbooks? The teachers? The curriculum?"
"No", said the son.
"On that first day, when I walked in the front door and saw that guy nailed to the plus sign, I KNEW they meant business!"

73 - Gil, WA1GDJ @ K1UGM

=====
Date: 3 Apr 99 04:22
From: G4YQQ@GB7TJZ
To: HUMOUR@WW
Subject: Lawyers Quotes

Lawyers and the Law.

Lawyers are the only persons for whom ignorance of the law is not punished.

Ignorance of the law does not prevent the losing lawyer from collecting his bill.

Litigant - A person about to give up his skin for the hope of retaining his bones.

It is better to be a mouse in a cats mouth than a man in a lawyer's hands.

Avoid law suits beyond all things, they influence your conscience, impair your health, and dissipate your property.

Discourage litigation. Persuade your neighbor to compromise whenever you can, point out to them how the nominal winner is often a real loser in fees, expenses and waste of time.

"An Honest Lawyer" - a book just out.

A photographer at a dinner for Lawyers came up with a unique way of getting them to smile. He said "say Fees"

Lawyer: individual whose principal role is to protect his clients from other members of his profession.

A Judge is a man who ends a sentence with a sentence.

A jury consists of twelve persons chosen to decide who has the better Lawyer.

An appeal is when you ask the court to show its contempt for another court.

Lawyers on opposite sides of a case are like the two parts of scissors, they cut what comes between them, not each other.

I was never ruined but twice, once when I lost a lawsuit, and once when I won one.

The penalty for laughing in a court room is six months in jail, if it were not for this penalty, the jury would never hear the evidence.

If there were no bad people, there would be no good lawyers..

73 Alan G4YQQ...

Who says I'm paranoid & why do they want to know ?

Floating around the internet...

Why English is so difficult (author unknown)
Read these out loud, and note the spelling:

1. The bandage was wound around the wound.
2. The farm was used to produce produce.
3. The dump was so full that it had to refuse more refuse.
4. We must polish the Polish furniture.
5. He could lead if he would get the lead out.
6. The soldier decided to desert his dessert in the desert.
7. Since there is no time like the present, he thought it was time to present the present.
8. A bass was painted on the head of the bass drum.
9. When shot at, the dove dove into the bushes.
10. I did not object to the object.
11. The insurance was invalid for the invalid.
12. There was a row among the oarsmen about how to row.
13. They were too close to the door to close it.
14. The buck does funny things when the does are present.
15. A seamstress and a sewer fell down into a sewer line.
16. To help with planting, the farmer taught his sow to sow.
17. The wind was too strong to wind the sail.
18. After a number of injections my jaw got number.
19. Upon seeing the tear in the painting I shed a tear.
20. I had to subject the subject to a series of tests.
21. How can I intimate this to my most intimate friend?

Why English Is so Hard

We'll begin with a box, and the plural is boxes.
But the plural of ox should be oxen not oxes.
Then one fowl is goose, but two are called geese.
Yet the plural of moose should never be meese.

You may find a lone mouse or a whole lot of mice.
But the plural of house is houses, not hice.
If the plural of man is always called men,
Why shouldn't the plural of pan be called pen?
The cow in a plural may be cows or kine,
But the plural of vow is vows, not vine.
And I speak of foot, and you show me your feet,
But I give you a boot ...would a pair be called beet?
If one is a tooth and the whole set are teeth,
Why shouldn't the plural of booth be called beeth?
If the singular is this and the plural is these,
Should the plural of kiss be nicknamed kесе?
Then one may be that, and three may be those,
Yet the plural of hat would never be hose.
We speak of a brother, and also of brethren,
But though we say mother, we never say methren.
The masculine pronouns are he, his and him,
But imagine the feminine she, shis and shim!
So our English, I think you'll all agree,
Is the trickiest language you ever did see.

Correctly Spelling "Potato"

If GH can stand for P as in Hiccough
If OUGH can stand for O as in Dough
If PHTH can stand for T as in Phthisis
If EIGH can stand for A as in Neighbor
If TTE can stand for T as in Gazette
If EAU can stand for O as in Plateau
Then the right way to spell POTATO should be:
"GHOUGHPHTHEIGHTTEEAU"

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, K6PBQ, WB6YRU
Lightning protection, grounding: WB6YRU
Station set-up, equipment: K6PBQ
TVI/RFI: WB6YRU
Homebrew projects, construction: KD6FJI, WB6YRU
Computers: KB6NP; IBM PC: WB6YRU
Packet Network (BBS, forwarding): WB6YRU
Code operating and installations: WB6EMR, K6PBQ
DX (long distance/propagation): WB6EMR

Emergency operating/preparedness: WA6QYS
FM (VHF/UHF, repeaters): WA6VJY
HF operating techniques (SSB, CW): WB6EMR, K6PBQ
Classes/license upgrading: W6ACW
Legal/FCC rules: WB6YRU
SCCARA (club inner workings):
K06HH, K6PBQ, WA6VJY, WB6YRU, WA6QYS
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

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

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@aenet.net

Newsletter Notes

The past year has been pretty good for the *SCCARA-GRAM* in the way of photos. More photos have been submitted recently than in past years.

I do have one request: Please include some text with your photos, or at least a caption. The subject may seem obvious to you, but that may not be true for everyone, especially those members who are not able to attend meetings very often. Sometimes I'll try to add missing captions myself, but that's not the job of the editor.

Captions don't have to be too elaborate, just briefly describe the significance of the photo (what's going on, where it is, etc.). And, if at all possible, it's a good idea to include the name(s) and call(s) of people in your photos. Everyone likes to see their name in the paper, even if it's just a caption.

Happy New Year & 73, Gary WB6YRU, editor

SCCARA CHRISTMAS 2001



Officers



S.C.C.A.R.A. Membership Form for 2002

(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: _____ - _____ Licence Expiration Date (mo/yr): _____

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

E-mail: _____ Packet: _____

For family memberships (at the same address), please fill out a separate form for each. Indicate the "primary member" (for mailing purposes) name and call:

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 RADIO LICENSE
BEFORE ANY REPEATER CODES WILL BE SENT TOTAL: _____

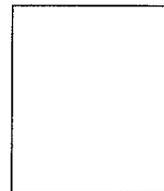
Give this completed form (or copy) with payment to the Secretary or Treasurer at any meeting or mail to the return address below:

===== PLEASE DO NOT TEAR OR CUT FORM =====

**SANTA CLARA COUNTY
AMATEUR RADIO ASSOCIATION**

PO BOX 6
San Jose CA 95103-0006

Affiliate of the American Radio Relay League



FIRST CLASS

ADDRESS SERVICE REQUESTED