



# SCCARA-GRAM

W6UU .....VOLUME 5  
 SANTA CLARA COUNTY AMATEUR RADIO ASSOCIATION  
 \*\*\*\*ORGANIZED IN 1921

NUMBER 1 ...W6UW  
 SAN JOSE, CALIFORNIA\*\*\*\*



## HAPPY NEW YEAR

1986 TO BE A BANNER YEAR FOR SCCARA...DON'T YOU MISS IT!!!

### SCCARA MEETING MENU BOARD

January 13th, 7:30 PM : MONTHLY MEETING at our new quarters, American Red Cross Building, 333 McKendrie St., San Jose. (off Hedding) Park in West Lot, side door should be open. Our first meeting will feature Chris Zercher, who has a most interesting avocation. He services the antennas on Sutro Tower in San Francisco. If you have ever had that stomach dropaway feeling from height you will enjoy Chris' every word as he describes his work. Ask him what happens if someone "hots up the X-mitter???" Later in the meeting we will also determine what classes are needed (Novice, Tech, Advance or plain old code) by the membership, and IF we have the numbers and manpower to swing them. Hopefully, the black cloud will have dissipated from over our new repeater location, and we can go forward with some of the benefits we anticipated. Coffee and "drawings" as usual. Consider this meeting a "planning meeting" for 1986.

January 16, 7:30 PM, Red Cross Building, Side Door. First meeting of new Board and potential teachers of classes to be determined above. Strategy meeting to crank our needs into action.

QST                      QST                      QST                      QST

### OPEN ACCESS TO TEN EMERGENCY AUTODIAL NUMBERS

SPARK AND SARS announce the availability of ten emergency autodial numbers to any licensed amateur radio operator in the Greater San Francisco Bay Area. These numbers include the three California Highway Patrol districts of San Francisco, San Jose, and Oakland, as well as AAA Emergency Road Service and several local police.

With this information, radio amateurs with two-meter touch-tone equipment can call in highway emergencies via W6APZ/R operating on 144.63/145.23. The repeater is located in the Palo Alto foothills and covers from Gilroy through San Francisco, including the East Bay out to the Livermore Valley.

This free public service is provided by the South Peninsula Amateur Radio Klub (SPARK) and the SRI Amateur Radio Society (SARS). To obtain a list of the autodial codes, send a photocopy of your amateur radio license and a self-addressed stamped envelope to the repeater trustee:

W6APZ/R, 840 Talisman Drive, Palo Alto, Calif. 94303

## WHITHER SCCARA????

Having achieved the heady title of SCCARA President, I thought it only proper, (at least for me) that a little introspection would be very much in order.

As one of the oldest amateur radio clubs in the area, we have an enviable past, not to be confused with what we do in the future. Member needs and desires, NOW are what the new board requires for direction.

The past year has been rough in just keeping going as an organization. In spite of all our troubles, when you write it down it looks good:

1. First, we have a decent home, from which base we can now plan a class or meeting.
2. We have a "SCCARA-GRAM" newsletter that's a going affair. A product of several people, it can be better if you send in your contributions. News-worthy items are often hard to come by, and Editor Dick Letrich needs your help to keep SCCARA-GRAM from getting stuffy. Dick has done a tremendous job in getting us this far - let's give him a hand!
3. We now have a continuing incentive in keeping the October, 1986 Convention on target. It's still in the planning stages, and good ideas can be written into its fabric. Shorty Freitas is the honcho on this one!
4. We again have an interested Board of Directors that take the time to show up to meetings and give SCCARA the benefit of their input and efforts.

Now for the fine tuning . . . the 200+ (I almost said odd) SCCARA members represent every age and amateur class, not to mention interests. We know we have many DX'ers, computer devotees, etc., but I am sure that many come to meeting just to see old friends - for the fellowship if you will. Meeting attendance is growing, so we must be doing something right. We, your Board, think we could do better. We want your input, and to that end will have a short rap session at the end of our January 13th meeting. So, make sure your thoughts are voiced.

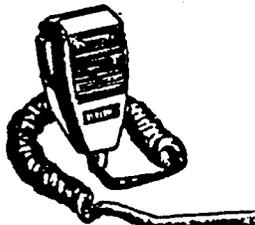
Seasons best to you all de Ed, WD6CHD

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### MAIL A PROBLEM?

From time to time its felt that the Post Office picks on you. Well it could be, but more often then not the mail that you are expecting never got mailed in the first place. Now if you feel that something is amiss you can follow up on it quite easy... Clip out the following and keep it for future reference. I hope you really never need to use it, but I for one had for many years a postman that left me wondering why on the day before his day off I never got any mail...With the following you have an easy way of checking it out. de WB6WKM

If you have a complaint about mail service, you can help the U.S. Postal Service solve the problem by filing a Consumer Service Card, PS Form 4314C. The complaint card is a registered, postage-free, multicopy form. One copy is sent to the local postmaster; one goes to Washington, D.C.; the third winds up at the U.S. Postal Service Consumer Service offices in St. Louis, Mo., and you keep the fourth. To get a consumer service card, contact your local postal authorities or write the Consumer Service offices, St. Louis, Mo. 63155-9993



FROM YOUR TREASURER.....

1986 is here and what a year it's going to be! SCCARA will host a big convention in October, membership is still growing, lots of interest in classes, a new meeting place, new officers and many other positive signs that SCCARA is alive and well.

CLASSES.....

The Novice class ended Dec. 3rd with a 100% pass rate! We all congratulate the 15 students that endured and passed. I'll list each new novice as soon as their calls are advised to me. Notable from this Novice group are Paul Allan-G1NPA and Mike Senff who have upgraded to Technician class. Not in an official class...but in a class by herself is Carla Watson-KG6TV who earned her Extra! Congrats all around!!!

THANKS.....

Our class was able to continue due to the assistance of a restaurant in North San Jose who made their meeting room available to us when all city facilities "dried up". The next time you are in that area and feeling a bit hungry, please try a breakfast, burger or a steak at the AMERICAN FAMILY STEAKHOUSE at 1164 N. 4th Street. Our thanks to Chris and the gang at the steakhouse for their help and hospitality!

ARRL.....

As you know, we are fortunate in having the ARRL Pacific Division Director as a club member. Rod Stafford-KB6ZV is a successful attorney and I'm sure he'll successfully represent the 8000+ ARRL members in "his" division. Bill Stevens-W6ZM is our retiring Division Director. Thanks for a job well done, Bill!...and GOOD LUCK, ROD! If YOU want to join or renew your ARRL membership, please do it through the club as a portion of your fee is returned to the club. It's a way of helping yourself, amateur radio and SCCARA. I have application forms for your use. Let me know!

1985 REPORT.....

Last year was a year of growth and renewed interest in SCCARA. We began 1985 with 138 club members and we now have 205 for an increase of 33%. Why is the club growing in spite of low DX activity, the decline of C.B. radio and other factors...My guess is that the word is out that amateur radio is a fine, rewarding hobby (THE VERY BEST!) and that SCCARA is on-the-move and many want to be a part of it. 1985 saw several emergencies of international consequence and it was reported many times that amateur radio was right there in the thick of each problem and working hard to help. Let's all see to it that SCCARA is THE CLUB in the Bay Area. 1985 was great, but 1986 can be even greater if we all stay active and do our part!

OTHER STUFF.....

We need to assemble a teaching group for classes. If you have taught before or if you feel you'd like to help, please let me know so we can get moving on this.

Note the new multi-purpose SCCARA sign-up form in the SCCARAGRAM. It's also available at Quements. You can use it update your address etc., join or rejoin the club, request info on the club, express interest in a class...and it makes a dandy paper airplane!!!73, Dan-WM6M

**ARE YOUR DUES  
FOR 1986  
PAID???**

**DON'T YOU MISS  
OUT OF ALL OF  
FUN, SEND IT IN  
NOW!!...TNX**



FCC RAID.....from WORLDRADIO, Dec.1985  
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On October 8, 1985 electronic engineers from the San Francisco District Office of the FCC along with U.S. Marshals conducted a search and seized an estimated \$30,000 of electronic equipment, including illegal radio frequency amplifiers and modified CB transceivers as well as sales records. The search warrant was executed against Doc Holiday Communications, 1695 Lawrence Road, Santa Clara, Calif. This action was taken as a result of a lengthy investigation by the FCC as part of a continuing nationwide enforcement program to assure that the FCC ban on manufacturing and selling CB linear amplifiers and other non-type accepted transmitters is observed. Federal law (47 USC 302(b)) prohibits the marketing and manufacture of such non-compliant electronic equipment. Investigations of this nature are necessary in order to prevent the increased sale and illegal equipment that can cause harmful interference to authorized radio systems such as police, fire and other safety services, as well as electronic home entertainment equipment.

## THE ABC'S OF RTTY.

What is RTTY, when would you use it, where is it, who uses it, and how does it work?

RTTY is an abbreviation for radioteletype. The term teletype, or RTTY refers to a printer and keyboard unit that has been used to send teletype and Telex messages via telephone lines. Teletype messages have been sent across the Atlantic by undersea cable since the turn of the century. Once teletype equipment was adapted for radio transmission, these systems became known as radioteletype units-RTTY.

RTTY systems were used commercially even before 1940. Teleprinter equipment was in use between San Francisco and Honolulu by April 1932. Advanced equipment was also placed in use between New York and San Francisco by 1934. Additional equipment was then adapted for use across the Atlantic after the war. Special equipment, called ARQ RTTY was in service from New York to Amsterdam by 1947. However, RTTY equipment was not generally found in the amateur service until teleprinter equipment became available on the surplus market. In the 60's and 70's RTTY became a somewhat popular amateur mode, and with the advent of home computers and new terminal equipment, RTTY is a common and very popular transmission mode.

If you tune the amateur radio bands for RTTY, you will find transmissions nearly any time at about 7.075 and 14.075 MHz. In addition, ARRL broadcasts in RTTY occur every day; consult QST for time and frequency. Commercial and government transmissions occur at many places in the h.f. spectrum; try the 4, 8, 12 and 16 MHz bands.

Why use RTTY? Obviously, there must be some advantages in using RTTY or we would not find all this activity. While it is true that much of the commercial activity has moved to satellite carriers, RTTY activity has doubled in the h.f. spectrum during the last few years. We are in the information age and any spectrum space is at a premium, so RTTY continues to be useful. In fact, for some applications it is going to be cheaper to use an RTTY system, particularly for low data rate applications. For the radio amateur RTTY is ideal for exchanging messages with friends. RTTY is easily adaptable for computer-to-computer linking, too, even though to date most amateur RTTY links have been for QSO's.

At this point you probably have several questions: what kind of equipment do I need, how does it work, and how to operate it? Let's take a look.

The basic RTTY station requires a computer or teletypewriter, a Terminal Unit (TU), and a transceiver. The computer is used for entering and receiving messages. In most cases, the operator will also desire a printer. The TU is used to adapt signals going between the receiver and the computer. For most amateur systems the transceiver will be operated in l.s.b., regardless of band, for the transmission and reception of RTTY signals. Before describing a typical QSO, let's look a little bit closer at how the TU is connected to your transceiver and computer and how such a system works. -----(to be continued)-----

BY HARRY, AE6M





**SCCARA INVITES YOU!!!**

SCCARA invites you to inquire about joining. The SANTA CLARA COUNTY AMATEUR RADIO ASSOCIATION was formed in 1921 by enthusiasts interested in an interchange of technical ideas and the advancement of the hobby. That spirit continues today. SCCARA is an active general interest club with members from all walks of life..engineers, attorneys, businessmen, retirees, students and others.

SCCARA invites you to attend an introductory meeting. Meetings are held on the second Monday of each month at 7:30 PM at the San Jose Red Cross building at 333 McKendrie Street. All interested are welcome!

The SCCARAGRAM is published monthly with news concerning upcoming events and topics of interest.

SCCARA operates W6UU 2-meter repeater on 146.385 MHz output. A Monday evening net is held each week except on club meeting nights. You are welcome to check-in!

SCCARA is affiliated with the ARRL.

Annual dues are \$10.00 for individuals and \$15.00 for family membership (more than one ham at the same residence).

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- ...PLEASE SEND MORE INFORMATION
- ...PLEASE CALL ME WITH MORE INFORMATION
- ...I AM INTERESTED IN TAKING A CLASS
  - ....Novice (5 WPM code and written)
  - ....13 WPM code
  - ....Technician/General written
  - ....Advanced written
  - ....20 WPM code
  - ....Extra written
- ...YES! I WANT TO ...JOIN/REJOIN ...RENEW

NAME.....CALL.....

ADDRESS.....APT#.....

CITY.....ST....ZIPCODE.....

PHONE #..... LICENSE CLASS HELD.....

AMOUNT REMITTED \$..... ARRL MEMBER? ...YES ...NO

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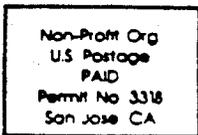
CLUB REPEATER....Input 146.985 MHZ-Output: 146.385 MHZ. On-the-air meetings Monday Nights 7:30PM Local time except on regular meeting nights.

REGULAR MEETINGS, are held the second Monday of each month. Meetings start at 7:30PM Local and are held at the RED CROSS Building, 333 McKendrie, San Jose, 292-6242 .

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