

# SCCARA-GRAM

VOLUME 6 NUMBER 12

DECEMBER 1989

## HAVE YOU-----

Signed up for the SCCARA CHRISTMAS DINNER?

Paid your DUES for 1990??

Made up your Christmas list??

Ole St. Nick sez..... you better get on the ball!!

### OUR PREZ SEZ HOLIDAY GREETINGS TO ALL!

HERE'S HOPING YOU ENJOY A FULL MEASURE OF SEASONAL HAPPINESS...AND IT WOULDN'T HURT IF YOU GOT THAT NEW RADIO GEAR YOU'VE BEEN ADMIRING! AND WHETHER YOU GET IT OR NOT, THE IMPORTANT THING IS THAT THE SEASON IS ONE TO APPRECIATE YOUR HEALTH, FAMILY AND FRIENDS AND YOUR OTHER BLESSINGS. THIS IS ESPECIALLY TRUE AFTER THE RECENT



DAN WM6M  
OUR OUTGOING PREZ

DISASTER WE ALL EXPERIENCED.

I WISH TO THANK SCCARA FOR A VERY GOOD EXPERIENCE AS YOUR PRESIDENT. I ENJOYED IT A LOT! I LOOK BACK AT 1989 AS A VERY INTERESTING YEAR. I THINK YOU MUST HAVE NOTICED THE EMPHASIS I PLACED

UPON REACHING A DECISION REGARDING THE FUTURE OF THE CLUB REPEATER. THIS WAS AN ISSUE I FELT STRONGLY ABOUT AND SEVERAL MEETING TOPICS REVOLVED AROUND THE SUBJECT. I FELT IT WAS ULTIMATELY IMPORTANT TO SET A COURSE OF ACTION REGARDING THE REPEATER. YEARS OF

INDECISION HAD ONLY HURT THE CLUB.

I'M EXTREMELY PLEASED WITH THE APPROVAL OF THE MEMBERSHIP TO PROCEED WITH A MAJOR INVESTMENT TO UPGRADE THE EQUIPMENT AND THE SERVICE AND WITH THE THOROUGH RESEARCH AND RECOMMENDATIONS MADE BY OUR REPEATER COMMITTEE. RESULTS ARE ALWAYS WHAT COUNT AND OUR GROUP HAS NOT LET US DOWN! THANKS TO STAN, WA6VJY; COMMITTEE CHAIR AND TRISH, WA6UBE; WALLY, KA6YMD AND THE OTHERS WHO MAKE OUR MACHINE SOUND LIKE A "REAL" REPEATER. WE LOOK FORWARD TO THE NEW INSTALLATION.

I ALSO WANT TO THANK J.D., K6YKG FOR HIS MANY EFFORTS. WE ALL KNOW J.D. IS THERE TO HELP NEWCOMERS, BUT HE IS ALSO INVOLVED IN TESTING AND NUMEROUS ALL THE OTHER SCCARA ACTIVITIES. EXTRAORDINARY MEMBERS LIKE J.D. ARE ALWAYS THERE FOR SCCARA...NOW IS THE TIME FOR US TO BE THERE FOR J.D. AS HE RECOVERS FROM HIS ILLNESS. GET WELL SOON, FRIEND!

THANKS TO FRANK, AA6LL WHO GOT THE CLUB MOVING AT THE FLEAMARKET. HE ALSO ASSISTS IN TESTING AND OTHER ACTIVITIES.

YOU KNOW, I COULD GO ON AND ON REGALING OUR MANY OUTSTANDING MEMBERS, BUT SPACE WON'T PERMIT. BUT IT OCCURS TO ME THAT OUR ORGANIZATION IS ENRICHED BY ITS GOOD MEMBERSHIP. J.D. AND FRANK ARE JUST TWO EXAMPLES OF THE MANY WHO "MAKE IT HAPPEN".

I THINK 1990 WILL BE A GREAT YEAR. YOU'VE ELECTED AN ABLE NEW PRESIDENT WHO I EXPECT TO TAKE THE CLUB TO MANY ACHIEVEMENTS IN '90. GEORGE, WA6O WILL HAVE THE BENEFIT OF EXTREMELY ABLE AND EXPERIENCED FELLOW OFFICERS AND DIRECTORS. I KNOW I APPRECIATED THEIR SAGE COUNSEL THIS LAST YEAR. I LEARNED THAT THEY TAKE THEIR RESPONSIBILITIES SERIOUSLY AND THEY WORK HARD AT KEEPING SCCARA THE BEST CLUB AROUND.

AND LAST (BUT NOT LEAST), MY  
SPECIAL THANKS FOR TO ALL THE  
MEMBERSHIP FOR YOUR LOYALTY AND SUPPORT  
DURING MY TERM.

MY GIFT TO YOU THIS CHRISTMAS  
SEASON IS TO BRING YOU A RELATIVELY  
BRIEF COLUMN. CHEERS!!!!

73 DE DAN,WM6M

#### JD K6YKG IN SICK BAY

I have some good news and some bad news concerning JD (found out about it too late to get the info to Herb for his column). JD (K6YKG) had a mild heart attack right after Thanksgiving. He was taken to Alexian Brothers Hospital and spent several days in intensive care before going to a regular room. That is the bad news. Now for the good news. HE IS HOME NOW (11-30-89) and wants to encourage all of you to call on the radio, or telephone. He is a receiving visitors but asks that you call first as he still is seeing the doctor on a regular basis and is still somewhat tired.

As for the Tuesday class, it is still going strong. JD was so worried about the class, that he asked his XYL to get in touch with Jim O'Keefe (WE6V) and see if he could pick up the reins for the time being. I can report that he is filling JD's shoes admirably as I went to the class last Tuesday so his students could write in a get well card I got for him. JD says he hopes to be 100% soon and back to his class.

#### SCCARA MEETING OF NOV 13, 1989

The meeting was called to order at 7:45 pm by President Dan Dietz.  
Attn: 37 with 2 visitors.

Secretary minutes for Oct were read and approved.

New Business:

Election of Officers. The following were elected.

|                |              |        |
|----------------|--------------|--------|
| President      | George Allan | WA6O   |
| Vice President | Jim O'Keefe  | WE6V   |
| Secretary      | Don Village  | K6PBQ  |
| Treasurer      | Kathy Getsla | KB6ICQ |

#### Directors

|        |                 |        |
|--------|-----------------|--------|
| Dec 90 | Bob Forster     | N6PCQ  |
| Dec 90 | Herb Himmelfarb | KB6ABG |
| Dec 90 | Lou Steirer     | WA6QYS |
| Dec 91 | Ed Rawlinson    | WD6CHD |
| Dec 91 | Shorty Freitas  | AE6Z   |

Joe WA6DXP will be on vacation on Nov 27 and Dec 4. Keith KN6K will sub as net control on those evenings.

Lou WA6QYS notified us that we have the room at Agnews for 1990.

Old Business:

Shorty AE6Z reported that he still has to collect and pay bills before completing the convention report. Our program was Stan and Trish checking your rigs for freq.

Our next board meeting will be on Thursday Nov 16 at the Red Cross Comm Center at 7:30 pm.

Adjourn 8:35 PM

Don Village, Sec

K6PBQ Raffle winners: Ben Wilson, KC6EFQ, N6MQF, WE6V, AA6LL, WA6QYS, N6WDC, WD6CHD, & WY6G.

#### NEW MEMBERS AND UPGRADES

Well, the money is starting to trickle in for 1990 dues so I am entering my "busy season." Along with the dues from current members, I have received some from new members, so let's put out the welcome mat.

JD's class is still sending us new members. This month one of his "graduates" is a new SCCARA member. Alonzo Dallas is a new Novice with the call KC6GIY. Congrats on the new call and welcome to SCCARA, Alonzo!

The flyers at Quemets are also getting the word out. George (N6WFW) and Joanne (N6WLK) Hall are new members from Morgan Hill. I haven't heard them on W6UU yet, but have heard them on other area repeaters. I hope to meet both of you in person or on the air soon.

We picked up three new members at the November meeting. Frank (AA6LL) gave me dues for a family membership

and added Agnes (his XYL) to the roster. (Does this mean she might think about getting a ticket?) Also Mike (KC6BAI) not only paid his 1990 dues but when he did, he added his step-son Sean McNulty (KC6GUU) to his membership. Congrats to Sean on his new call. I hear he is trying or has already upgraded to Technician. And last but not least is our last new member for November, Ben Wilson. Ben attended our November meeting and decided to join on the spot. No call yet for Ben, but hopefully soon he too will call himself a ham.

Lets's all welcome these new members when we meet them on the air or at a meeting.

#### TREASURER'S REPORT FOR OCTOBER 1989

|                        |          |
|------------------------|----------|
| Income                 | \$201.86 |
| Expenses               | 154.34   |
| Change in Bank Balance | \$ 37.52 |

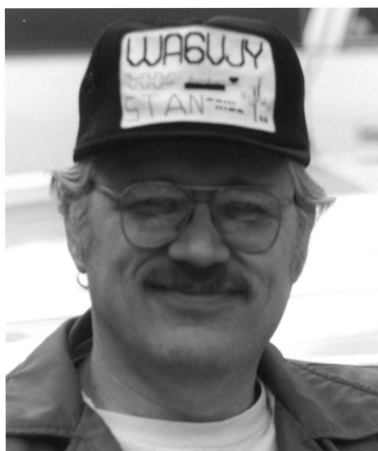
You may be wondering about the change in the Treasurer's Report for this month. At the last Board of Directors meeting, the point was made that the SCCARAGRAM goes not only to SCCARA members, but also to some non-members. These include other clubs, businesses and prospective members. From now on, you will see treasurer reports in the SCCARAGRAM like the one above. I will still be making reports that look like the previous ones I put out, but they will not be published in the SCCARAGRAM. They will be available for the Board of Directors to audit at their meetings. If you have any questions or comments to make about this, please direct them to me or any SCCARA officer or director so that they may be addressed at the next scheduled board meeting. 73 de KB6ICQ

#### REPEATER COMMITTEE REPORT de WA6VJY

11/28/89

I've got little to report this month. The repeater has been behaving

itself lately and has required no in-person work. The current focus of our attention is on emergency power for the repeater. It appears that RV-type deep-cycle lead acid sealed batteries are the best cost/performance selection.



STAN (WA6VJY)

During an emergency, the transmit duty cycle on a repeater can go to 100% transmit for hours. If any of you were listening to W6FIY/R, W6WSH/R, or WB6ADZ/R during and shortly after the quake, you

might remember just how much those machines were used.

The power requirements for our repeater currently are on the order of 100-120 watts or so. (5 watts for the controller, 40-50 watts for the 2M repeater, and another 50- 60 watts for the 440 repeater) This equates to around 8-10 amps at 12 volts. A battery which can supply 10 amps for 1 hour is said to be rated at 10amp-hours. But this doesn't necessarily mean that the battery will be capable of supplying the needed current AND staying high enough in voltage for the load to properly operate. What this means to us is that, while the battery may be capable of supplying 10 amps to a load for 10 hours (100 amp-hours), the voltage may drop below what is needed to keep the equipment operating properly BEFORE the 10 hour mark is reached. (You might consider the extra capacity of the battery which you cannot make use of as wasted.) To make up for this, a battery with a greater amp-hour capacity is needed. If we could buy a 100 amp-hour battery and make use of all 100 amp-hours to run the repeater, our machine could operate at 100% transmit for about 9-10 hours. If the transmit to receive ratio were cut to

about 50%, this would approximately double the battery life. Note, however, that this doesn't take into account that the repeater might fail to function as the voltage drops below about 11.5 volts or so. You would be right to think that the battery could supply additional power, but if the radio has failed due to low voltage, the additional power is useless.

My goal is to find that amp-hour rating which will carry our repeater through any reasonable power outage which may occur at the repeater site. (As we found out after the quake, the power was out for about 12 hours at our site.) I plan to include automatic charging/recharging in the installation, along with enough battery capacity to operate for 8-12 hours or so. Look for more on this topic in future columns.

->Repeater committee members (and others interested)... there will be a committee meeting during the last half of January. More will follow in the next SCCARA-Gram on exactly when and where.

Have a great holiday season!  
73, Stan WA6VJY

#### DECEMBER HOLIDAYS DINNER & 1990 DUES

When this issue of SCCARAGRAM goes to press, all those who are attending the Holiday Dinner will have already made and paid for their reservations. I want to remind them that it will be held on our regular meeting night (Monday December 11) at the Le Baron Hotel. Dinner starts at 7:30 PM and those who want to socialize before dinner will be meeting in the hotel lobby about 6:30. We will be having a gift exchange again this year with a suggested value of approx \$7.50. Men will bring one marked for a man, and women will bring one marked for a woman.

For those who haven't already sent in their dues, I want to remind you to do so. They are due Jan 1st each year and you can use the form below. - - - - -

#### 1990 MEMBERSHIP DUES SIGN UP FORM

Call \_\_\_\_\_ Nov Tech Gen Adv Ex

Name \_\_\_\_\_ Phone \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

ARRL? Yes No Send ARRL Information

Family Names, Calls and Class of License

Individual \$15.00 Family \$20.00  
Students under 18 \$5.00

Mail to: SCCARA Dues, PO Box 6,  
San Jose, CA 95103

#### PACKET'S NOT SO SLOW

Just as Morse Code can be sent rapidly or slowly, digital communications can be sent at a variety of speeds. Morse code is usually expressed in words per minute; the baud rate is the unit of transmission speed for digital signals. In a single-channel transmission, 1 baud equals 1 digital bit of information transmitted per second. The common signal rates in Packet Radio are 300 and 1200 baud; 300 baud for HF, 1200 baud for VHF and UHF. How do these compare with Morse Code speeds??? Roughly 1200 baud equals 1440 words per minute... Extracted this tidbit from the Hangtown Newsletter who in turn extracted it from QST Oct 87.

#### EDITORS NOTES

Well I'm sitting here doing the newsletter with the flu bug... Guess it's that time of year. Got a XMAS POEM that will finish this newsletter out. Special HOLIDAY WISHES to one and all from your editor.. Mike KB6LCJ

# December 1989

## SCCARA SCHEDULE

SUN

MON

TUE

WED

THU

FRI

SAT

|    |  |    |    |  |                     |               |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
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| 3  | 4  | 5  | 6  | 7  | 8                   | 9             |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| 10 | 11<br>SCCARA MONTHLY<br>MEETING<br>SCCARA ANNUAL<br>XMAS DINNER  | 12 | 13 | 14   | 15                  | 16            |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| 17 | 18   | 19 | 20 | 21   | 22<br>Winter begins | 23<br>Hanukah |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| 24 | 25<br>Christmas  | 26 | 27 | 28<br>SCCARA BOARD<br>MEETING 1930<br>AT SJ RED<br>CROSS | 29                  | 30            |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| 31 | <div><div>November 1989</div><table><tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr><tr><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td></tr><tr><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td></tr><tr><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr><tr><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td></tr><tr><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td></td><td></td></tr></table></div> <div><div>January 1990</div><table><tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr><tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr><tr><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td></tr><tr><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr><tr><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td></tr><tr><td>28</td><td>29</td><td>30</td><td>31</td><td></td><td></td><td></td></tr></table></div> |    |    |  |                     |               | S | M | T | W | T | F | S |  |  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |  |  | S | M | T | W | T | F | S |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |  |  |  |
| S  | M  | T  | W  | T  | F                   | S             |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
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| 5  | 6  | 7  | 8  | 9  | 10                  | 11            |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| 12 | 13   | 14 | 15 | 16   | 17                  | 18            |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| 19 | 20   | 21 | 22 | 23   | 24                  | 25            |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| 26 | 27   | 28 | 29 | 30   |                     |               |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
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| 7  | 8  | 9  | 10 | 11   | 12                  | 13            |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| 14 | 15   | 16 | 17 | 18   | 19                  | 20            |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| 21 | 22   | 23 | 24 | 25   | 26                  | 27            |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| 28 | 29   | 30 | 31 |  |                     |               |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |

# SANTA CLARA COUNTY AMATEUR RADIO ASSOCIATION

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## CLUB OFFICERS

|                |              |        |          |
|----------------|--------------|--------|----------|
| President      | Dan Dietz    | WM6M   | 761-8958 |
| Vice President | George Allen | WA6O   | 269-4302 |
| Secretary      | Don Village  | K6PBQ  | 263-2789 |
| Treasurer      | Kathy Getsla | KB6ICQ | 275-0735 |

477 Pamilar Ave. San Jose, CA. 95128

## DIRECTORS

|                 |        |
|-----------------|--------|
| Herb Himmelfarb | KB6ABG |
| Bob Forster     | N6PCQ  |
| Shorty Freitas  | AE6Z   |
| Ed Rawlinson    | WD6CHD |
| Lou Steirer     | WA6QYS |

## REPEATER COMMITTEE

|                |        |
|----------------|--------|
| Wally Britten  | KA6YMD |
| Keith Butts    | KN6K   |
| Stan Getsla    | WA6VJY |
| Trish Gibbons  | WA6UBE |
| Ed Mangan      | KB6DLB |
| Nate Kirschman | N6PHW  |
| Ron Bardarson  | N6VUW  |

## SCCARA STAFF

|                |                 |        |
|----------------|-----------------|--------|
| Coffee         | Stan Getsla     | WA6VJY |
| Facilities     | Lou Steirer     | WA6QYS |
| Good + Welfare | Herb Himmelfarb | KB6ABG |

## SCCARA-GRAM STAFF

|              |               |        |          |
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| Mailman      | Tony Sanchez  | K6MOB  | 296-6676 |

## REPEATER INFO

|         |                      |
|---------|----------------------|
| Call    | W6UU                 |
| 2 Meter | 146.385 +            |
| 440     | 442.425 + (PL) 107.2 |

Nets are held every Monday evening at 1930 sharp, except for the second Monday which is our meeting night.

## STATION TRUSTEE

Jean "Doc" Gmelin W6ZRJ

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