

# SCCARA-GRAM



## Santa Clara County Amateur Radio Association

Volume 46, Number 1

January 2021



# 2021 – Our 100<sup>th</sup> Year!

## Healthy New Year!

There's good news and bad news... You already know the bad news. 2020 has been a tough year. And the corona virus pandemic has been getting worse lately, so in-person meetings and activities are still out.



The good news is there's now a vaccine, although it will be a while before it's available to most of us.



There's more good news: Our first meeting was held roughly when our founding members saw this Baby New Year on the news stands.

Except for a hiatus during WW2, this year SCCARA has been active for a century!

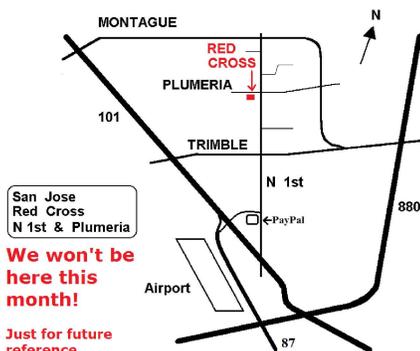
Proper celebrations will have to wait, but at least we can whoop it up in the SCCARA-GRAM! And on that topic . . .

## Calendar

- 1/11 SCCARA General Meeting --  **canceled**
- 1/18 SCCARA Board Meeting: On our 2 m repeater after the net at 7:30 PM)

## General Meeting

Day: Monday, Jan. 11 -- **Canceled**  
 Time:  
 Place:  
 Featuring:



The **SCCARA-GRAM** is published monthly by the SANTA CLARA COUNTY AMATEUR RADIO ASSOCIATION, PO Box 106, San Jose CA 95103-0106.

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.

Permission to reprint articles is hereby granted, provided the source is properly credited.

The deadline for articles is the **last Monday of the month.**

Web page: [www.qsl.net/sccara](http://www.qsl.net/sccara)

club email: [w6uw@arrl.net](mailto:w6uw@arrl.net) or [w6uw@sbcglobal.net](mailto:w6uw@sbcglobal.net)

#### BOARD OF DIRECTORS

(officers are also directors)

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#### SCCARA REPEATERS

SCCARA owns and operates two repeaters under the call W6UU:

2 meter: 146.985 - PL 114.8

70 cm: 442.425 + PL 107.2

Phone auto-dial and auto-patch is available. The two meter repeater is located at Eagle Rock near Alum Rock Park in the foothills of east San Jose. The 70 cm repeater 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 Village, K6PBQ. On ten meters, 28.385 MHz USB, Thursdays at 8:00 PM. Net control: Wally Britten, KA6YMD. Visitors welcome.

#### N0ARY PACKET BBS

SCCARA hosts the packet BBS N0ARY (connect to n0ary-1). User ports: 145.09 MHz at 1200 baud, 433.37 MHz at 9600 baud, and telnet sun.n0ary.org (login "bbs"). Sysop: Gary Mitchell, WB6YRU For general packet info, see the NCPA web site [ncpa.n0ary.org](http://ncpa.n0ary.org).

#### AMATEUR LICENSE TESTING

ARRL/VEC Silicon Valley VE group:  
Morris Jones, AD6ZH: 408-507-4698

## Anniversary Edition

We know that our first meeting was held in the Winter of 1921. We don't know exactly... best guess is February. **So the next SCCARA-GRAM will be our 100<sup>th</sup> anniversary edition!**

I urge everyone to contribute, especially those who have been amateurs and/or members for a long time. What are your thoughts on the club and amateur radio in general back around 1921 and how both have progressed since? What do you think is in store for us over the next 100 years? Please add your perspective as we look back at our beginning and forward to our future!



Let's have a really great and special 100<sup>th</sup> anniversary edition, one people would like to keep, one that future members will relish! There's no size limit, it's OK if the next edition is big. And photos! Let's have some photos, including club members. Please email everything to me by January 27.

73, Gary WB6YRU, Editor, [wb6yru@ix.netcom.com](mailto:wb6yru@ix.netcom.com)

## ARRL News

From *The ARRL Letter*, Dec. 03, 2020

### ARRL Asks FCC to Allow 3.4-GHz Operation until Spectrum is Occupied

In comments to the FCC, ARRL has argued that radio amateurs be allowed to continue shared operation in the 3.4 GHz band until 5G licensees who purchase the spectrum when the FCC puts it up for auction initiate incompatible operations. In its Further Notice of Proposed Rulemaking (FNPRM) in WT Docket 19-348, the FCC had proposed to sunset the band for amateur radio in two phases, governed by when new licenses are issued rather than when the new licensees begin to use the spectrum. In the FNPRM, the FCC solicited comments on whether alternatives exist to its proposal.

"Amateur activities further the public interest and should be permitted to continue on a secondary basis unless and until a new primary licensee is ready to occupy the spectrum in a preclusive manner," ARRL told the FCC. "At a minimum, amateur operations should be permitted to continue indefinitely in the 3.3 - 3.45 GHz spectrum, where no new flexible licenses are under immediate consideration. The Commission could consider whether a registration or other mechanism similar to that found in Section 97.303(g) would facilitate avoiding interference." Section 97.303(g) contains specific frequency-sharing requirements for the 2200- and 630-meter amateur bands.

“Amateurs often select the 3.4-GHz spectrum precisely because other spectrum choices are sub-optimum or simply not available. Amateurs also are only secondary users on most of the other spectrum suitable for similar purposes,” ARRL said. “Links must be carefully engineered because of that secondary status, which applies to most of the 2.4- and all of the 5.8-GHz bands available to amateurs.” ARRL emphasized the importance of allowing amateurs to continue to use the 3.4 - 3.45 GHz portion in particular.

ARRL pointed out that in many geographic areas it could be years before the 3 GHz spectrum is actually put into use by commercial users, and argued that amateur radio should be allowed to continue to operations on a secondary, non-interference basis as it has done for decades with federal primary users, until new uses actually begin, rather than when licenses are issued.

## Arecibo Observatory Suffers a Fatal Blow as Instrument Platform Falls

The 900-ton instrument platform of the 305-meter radio telescope at Arecibo Observatory in Puerto Rico fell some 400 feet Tuesday morning crashing into the huge, already-damaged dish below, the National Science Foundation (NSF) reported in a December 1 Tweet. “No injuries were reported,” NSF said, adding that it is still assessing the situation. “Our top priority is maintaining safety.” The calamity not only was a final and fatal blow for the observatory but for the people of Puerto Rico.



Before the fall: Arecibo Observatory in better days.



Just after the collapse (looking from the opposite angle).

Head of Telescope Operations Angel Vazquez, WP3R, called December 1 “indeed a sad day.” Vazquez was in the Observatory's control room at the time, salvaging important instruments when he heard a loud noise.

“At around 7:55 AM, the platform collapsed due to the extra stress on the existing cables because of the main cable failure in November. Strands were starting to pop all weekend long, and it was just a matter of time,” he told ARRL. “It came off the easternmost tower (T4) and took about 15 seconds. The azimuth arm that housed the dome came off the track, fell into the dish a little north of center and the triangle was pulled by the other existing cables to the northwestern part of the dish. The tops of the towers broke as well. This was a 900-ton platform, and the dome was smashed like an eggshell.”

Vazquez said the Observatory still has a 12-meter dish that will be used for radio astronomy, as well as a LIDAR Lab and an Optical Lab with photometers. “The site by no means is closed and it wasn't the intent of NSF to close the facility,” he said. “They did want us to stabilize the platform, so it could be lowered safely. We are looking into rebuild possibilities.”

On August 10, an auxiliary cable that helped to support the platform snapped and fell, causing a 100-foot gash in the reflector dish. After an extensive evaluation, NSF announced on November 19 that the damaged radio telescope -- in service for nearly 60 years -- was beyond repair and would be decommissioned due to safety concerns.

The iconic dish has served as a backdrop for several science fiction movies. The Arecibo Observatory Amateur Radio Club, KP4AO, is headquartered at the Observatory, and several other radio amateurs are employed there in addition to Vazquez.

{The collapse was caught on video:  
[https://www.nsf.gov/news/special\\_reports/arecibo/](https://www.nsf.gov/news/special_reports/arecibo/) about 1/3 of the way down the page. – Editor }

## Vacuum Tube

An IEEE Spectrum magazine article says, “For richness, drama, and sheer brilliance, few technological timelines can match the 116-year (and counting) history of the vacuum tube,” author and “tube guy” Carter M. Armstrong wrote. The article lists vacuum tube devices that, over the past 60 or 70 years, have changed the world. (Pictured, a gyrotron tube)



## FCC to Require Email Addresses on Applications

Amateur radio licensees and candidates will have to provide the FCC with an email address on applications, effective in mid-2021. If no email address is included, the FCC may dismiss the application as defective. The FCC is fully transitioning to electronic correspondence and will no longer print or provide wireless licensees with hard-copy authorizations or registrations by mail. A Report and Order (R&O) on “Completing the Transition to Electronic Filing, Licenses and Authorizations, and Correspondence in the Wireless Radio Services” in WT Docket 19-212 was adopted on September 16. The new rules will go into effect 6 months after publication in the Federal Register, which hasn't happened yet, but the FCC is already strongly encouraging applicants to provide an email address. When an email address is provided, licensees will receive an official electronic copy of their

licenses when the application is granted.

Under Section 97.21 of the new rules, a person holding a valid amateur station license “must apply to the FCC for a modification of the license grant as necessary to show the correct mailing and email address, licensee name, club name, license trustee name, or license custodian name.” For a club or military recreation station license, the application must be presented in document form to a club station call sign administrator who must submit the information to the FCC in an electronic batch file.

Under new Section 97.23, each license will have to show the grantee’s correct name, mailing address, and email address. “The email address must be an address where the grantee can receive electronic correspondence,” the amended rule will state. “Revocation of the station license or suspension of the operator license may result when correspondence from the FCC is returned as undeliverable because the grantee failed to provide the correct email address.”

## Radio Shack is Back

Radio Shack is back as an online retailer of electronics. It is offering some parts in its inventory that largely consists of radios, batteries, telephone gear, drones, computer accessories, and even cameras. The iconic company was recently purchased from General Wireless by Retail Ecommerce Ventures (REV). No plans are in place to reopen RadioShack-owned stores, although some 400 brick-and-mortar outlets are operated by franchisees.

## Universal Radio closed on November 30

All existing orders will be filled, and the Universal Radio website will remain open to sell off remaining stock. Owners Fred Osterman, N8EKU, and Barbara Osterman, KC8VWI, are retiring. The new mailing address for Universal Radio is 752 N State St. Unit 222, Westerville, OH 43082, telephone (614) 866-4267.

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From *The ARRL Letter*, Dec. 10, 2020

## Transatlantic Tests Mark 99th Anniversary

On December 11, 1921, radio history was made when a signal from amateur station 1BCG in Greenwich, Connecticut, was heard in Ardrossan, Scotland, marking the first successful transatlantic radio transmission using shortwave frequencies. Between 1921 and 1924, radio amateurs experimented with transmitting across the Atlantic. Sponsored by ARRL, the Transatlantic Tests aimed to prove that shorter wavelength frequencies could propagate long distances using transmitters running less than 1 kW. The initial run of the Transatlantic Tests was a failure. For the second Transatlantic Tests, ARRL dispatched receiver designer Paul Godley, 2ZE, considered one of the best of operators the day, to Europe to listen for participating stations. His nine-tube receiver employed the latest superheterodyne technology.

In one of those historical coincidences, during his voyage to England, Godley met Harold Beverage, who convinced him to use a specially designed, highly sensitive, directional 1,300-foot antenna, still referred to as the Beverage antenna.

During a pre-event dinner arranged by his British hosts, Godley also met wireless pioneer Guglielmo Marconi.

Over the course of the test period, more than two dozen stations were heard between 230 and 235 meters, roughly 1.3 MHz in what

is now the AM broadcast band. Some utilized spark-gap transmitters, others employed vacuum-tube CW transmitters. The one heard most consistently was the 1BCG CW transmitter operated by six members of the Radio Club Of America -- Ernest Amy, 2VK; Edwin Armstrong; George Burghard, 2SS; Minton Cronkhite, 1BCG; John Grinan, NJ2PZ, and Walker Inman, 2BGM. From 1BCG, they transmitted their message at 2152 UTC (then GMT) on December 11, 1921:

“No.1 de 1BCG. W-12 [Words 12], New York, Date 11/12-21, To Paul Godley, Ardrossan, Scotland, Hearty Congratulations, Burghard, Inman, Grinan, Armstrong, Amy, Cronkhite”

Reporting on the accomplishment, ARRL Secretary Kenneth B. Warner, 1EH, declared, “Excelsior!”  
-- Thanks to Clark Burgard, N1BCG, and Mike Marinaro, WN1M

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From *The ARRL Letter*, Dec. 17, 2020

## Contest University to Host Propagation Summit

Several radio propagation experts will share their knowledge during a Propagation Summit via Zoom, sponsored by Contest University (CTU <https://www.contestuniversity.com/>). The event is scheduled for January 23, 2021. The presentation schedule includes: “Update on the Personal Space Weather Station Project and HamSCI Activities for 2021” with Nathaniel Frissell, W2NAF, at 11 AM EST (1600 UTC); “Solar Cycle 25 Predictions and Progress” with Carl Luetzelschwab, K9LA, at noon (1700 UTC); “Maximizing Performance of HF Antennas with Irregular Terrain” with Jim Breakall, WA3FET, at 1 PM EST (1800 UTC), and “HF Ionospheric Propagation” with Frank Donovan, W3LPL, at 2 PM EST (1900 UTC). Registration is free:

[https://zoom.us/webinar/register/WN\\_dfLvFDxaTyakOWd\\_C7puw](https://zoom.us/webinar/register/WN_dfLvFDxaTyakOWd_C7puw)

An Icom IC-705 will be raffled off as a door prize. The winner must be present on Zoom to win.

-- Thanks to CTU Chair Tim Duffy, K3LR

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# Meeting Minutes

## General Meeting, Dec. 14, 2020



*{meeting was canceled}*

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## Board Meeting, Dec. 21, 2020



Held verbally on our 2 m repeater, W6UU/R.

Meeting called to order by President Gregg Lane KF6FNA at 7:35 PM

Attendance:

President Gregg Lane KF6FNA; VP Ned Tufekcic AC6YY; Secretary Barbara Britten KD6QEI; Treasurer Goetz Brandt K6GKB; Station Trustee Don Village K6PBQ; Directors: Lou Steirer WA6QYS, Wally Britten KA6YMD, Truman Lindsey N6TRU, Janet Motha KF6PUQ.

Visitors: Editor Gary Mitchell WB6YRU, Ed KN6KOZ

President's Report, Gregg KF6FNA: Nothing new to report

Vice President's Report, Ned AC6YY: I updated the club entry on QRZ web site.

Secretary's Report,

Gregg KF6FNA: The previous board meeting minutes were published in the SCCARA-GRAM. Any corrections? Having heard none, I declare them accepted as published by acclamation. Gary WB6YRU: We currently have 48 members, 39 have yet to renew. During the year we received comments from some ex-members who didn't know they forgot to renew. We need to do a better job on that.

Treasurer's Report, Goetz K6GKB:

Checking = \$ 11168.46, Cash = \$ 216.04, Total = \$11384.50

Trustee's Report, Don K6PBQ: We're not doing anything at the club station in December because of the holidays and the pandemic. We'll postpone activity in January, we'll see about February. We plan to have a special event station in February.

Standing Committees

Repeater chairman's report, Wally KA6YMD: Everything seems to be working OK, still no idea where that intermittent noise is coming from.

Webmaster's report, Wally KA6YMD: Keeping it updated with each new SCCARA-GRAM as they come in.

Editor's report, Gary WB6YRU: I sent a year-end report to the board. In a nutshell, we're printing 4 paper newsletters now, just enough for those on the mailing list and for archival.

We know this club started in the winter of 1921, but we don't know exactly. Best guess is February. So I'd like to have a special 100th anniversary edition in February. The deadline for that edition is only one month away! Whenever I've asked for input for the newsletter, I almost never get any response. Please make this time different, let's have an outstanding issue for our anniversary edition. Remember: an editor puts the publication together, he/she doesn't create all the content. So this one will be great or a flop based on all of you.

BBS Sysop's report: Gary WB6YRU: Nothing new to report, it's running normally.

100th anniversary QSL certificate report: Gary WB6YRU: Most questions about the text appear to have been settled during the previous meeting, next was what imagery do we want. Several examples were made up and emailed to the Board. This set included various images using the "then and now" theme with a screen grab from our 1925 film showing two members holding equipment of the day and one made by Ned AC6YY of him next to his station. One example showed the images in the foreground, one showed the images as background with some text printed over them, one showed the background version with background color added, three showed the same with different colors of text.

A few months ago samples were sent to the board showing other people's cards who did that sort of thing. Also, many of those had an added background color. That's why I included examples of that, and of having different text color to provide better contrast with the background.

And last time one or two seemed to be having second thoughts about having images at all, so a seventh one was made without images, just logos. If we went with the latter, I strongly suggest having some kind of background, not just white. If anyone else would like to see these examples, just let me know.

The questions for the board are:

Do we want the images in the foreground (as solid images) or as background images? The foreground images are more overt--this is where we were and this is where we are now. The background images make the "then and now" theme more dream-like or faded memories, not the primary focus. Or are we having second thoughts about the images in the first place now? And what about background color or patterns of some kind? That can be as bold or subtle as desired.

Don K6PBQ: If we could use stock certificates with pre-printed color shading or patterns, that would make the design work easier. Most good printers probably already have a big selection of those. Lou WA6QYS, Don K6PBQ, Truman N6TRU: (having second thoughts) How about let's skip the photos.

Don K6PBQ: We could have a key on one side and a mic on the other side of our call sign. There's blank space there that needs to be filled.

Truman N6TRU: Or have oval shaped photos on either side of the call sign.

Don K6PBQ: The photos might be too small, the simpler mic and key are better. And use a wood grain or parchment style background.

Gary WB6YRU: I'll make up a couple more examples with those ideas.

Old Business:

Gregg KF6FNA: Work at the Red Cross has not been done because of the pandemic.

Don K6PBQ: We are planning to do a special event station in February, we could operate the club station from home because of the pandemic. That's is, operate from home but with the club call. Gregg KF6FNA: We're working on some new email lists for the club.

Gary WB6YRU: Our web host is qsl.net, they have mail lists available for free.

Wally KA6YMD: There's groups.io also.

New Business:

Elections:

Wally KA6YMD: I don't have the numbers here, but all who voted approved the whole slate. One paper ballot that was sent out was not returned.

Gregg KF6FNA: Then I'll declare the slate elected by unanimous vote.

President: Gregg Lane KF6FNA

V.P.: Ned Tufekcic AC6YY

Secretary: Barbara Britten KD6QEI (until 3/5/21, then Truman Lindsey N6TRU will take over)

Treasurer: Goetz Brandt K6GKB

Directors (3):

John Parks W6JPP

Ben Shuford KK6CCU

(vacant)

Meeting adjourned 8:42 PM

Gary Mitchell, WB6YRU, recording for the Secretary

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## Packet Pieces

**Downloaded from the BBS packet network:**

Date: 12/30/2020

From: WL7COO

To: NCALWLINKNET

Subject: Winlink traffic thru K6IXA-12 on  
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To promote a Happier New Year I offer the following 2020 crowd-sourced wisdom stolen from a friend's FB post. I added #13 at the end.

Parodying "The History Guy" (if he thought about it) "2020 is year whose History needs to be forgotten."

-----  
Here are 13 things to consider as we get closer to closing the door on 2020:

- 1. The dumbest thing I ever bought was a 2020 planner.  
--
  2. I was so bored I called Jake from State Farm just to talk to someone. He asked me what I was wearing.  
--
  3. 2019: Stay away from negative people.  
2020: Stay away from positive people.  
--
  4. The world has turned upside down. Old folks are sneaking out of the house & their kids are yelling at them to stay indoors!  
--
  5. This morning I saw a neighbor talking to her dog. It was obvious she thought her dog understood her. I came into my house & told my cat. We laughed a lot.  
--
  6. Every few days try your jeans on just to make sure they fit. Pajamas will have you believe all is well in the kingdom.  
--
  7. Does anyone know if we can take showers yet or should we just keep washing our hands?  
--
  8. This virus has done what no woman has been able to do. Cancel sports, shut down all bars & keep men at home!  
--
  9. I never thought the comment "I wouldn't touch him/her with a 6-foot pole" would become a national policy, but here we are!  
--
  10. I need to practice social-distancing from the refrigerator.  
--
  11. I hope the weather is good tomorrow for my trip to the Backyard. I am getting tired of the Living Room.  
--
  12. Never in a million years could I have imagined I would go up to a bank teller wearing a mask & ask for money.  
--
  13. Stephen King's "The Stand" is now a 'for pay' Television series. The Original Movie is Free on YouTube  
--
- Have a Happier and Staying-Safer New Year de WL7COO.

=====  
Date: 22 Dec 2020 23:22  
From: GM3YEW@GB7YEW  
To: HUMOUR@WW  
Subject: jokes 23/12  
-----

TO ALL Radio Hams:

'Twas the night of the Contest, with all at the club,  
Not a contact was made, and we should have been at the

pub;

The operators were snoozing without any care,  
In hopes that someone would show up on the air;

The early shift was nestled all snug in their cots,  
While one was keyed down not minding his watts.

The chili had gone cold, and the beer it was warm,  
The fire was out but there was no harm.

When out on the lawn there arose such a clatter,  
I sprang from the chair to see what was the matter.

Away to the door and tripped over a wire,  
Someone had to get up and light up the fire.

Some headlights reflected off the new fallen snow,  
Giving the impression of mid-day to objects below;

I thought it was something from the ionosphere,  
But red Ford truck did finally appear,

With a grumpy old driver, just out of the blizzard,  
I knew in a moment it was the bearded wizard.

More rapid than RTTY his shouts they came,  
And he whistled, and shouted, and called them by name:

"Now! Steve, now! Rick, now! Jeff, and Ryan,  
"On! Craig, on! Brad, on! Big Mike, and Dan;

"Get your arses out here and pick up some wood!"  
We all got up as fast as we could.

The logs they were passed hand over hand,  
And soon things were hopping and we got on the bands;

We called out CQ and the responses they flew,  
The loggers were so busy sorting the crew.

The rotors they spun in the sky as we searched,  
But the one got stuck and started to lurch.

And then in a twinkling, I heard on the roof  
The wizard was jarring the tower for proof

That the antenna was turning, we shouted hooray,  
All shuffled to the stations from the doorway.

A wink of his eye and a twist of his head  
Soon gave me to know I had nothing to dread.

He spoke not a word, but went straight to his work,  
And pounded CW, then turned with a jerk,

And giving a nod, we finished the Q  
There was such a pileup we had so much to do.

He tuned up the amp with a bit of a whistle,  
Running with power is always so blissful.

The contest was through, we'd done it just right,  
Happy DX to all, and to all a good night.

73 & Merry Christmas

de GM3YEW

=====  
Date: 25 Dec 2020 23:35  
From: GM3YEW@GB7YEW  
To: HUMOUR@WW  
Subject: jokes 26/12  
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### Little Christmas Story -

When four of Santa's elves got sick, the trainee elves did not produce toys as fast as the regular ones, and Santa began to feel the Pre-Christmas pressure.

Then Mrs. Claus told Santa her Mother was coming to visit, which stressed Santa even more. When he went to harness the reindeer, he found that three of them were about to give birth and two others had jumped the fence and were out, Heaven knows where.

Then when he began to load the sleigh, one of the floorboards cracked, the toy bag fell to the ground and all the toys were scattered.

Frustrated, Santa went in the house for a cup of apple cider and a shot of rum. When he went to the cupboard, he discovered the elves had drunk all the cider and hidden the liquor. In his frustration, he accidentally dropped the cider jug, and it broke into hundreds of little glass pieces all over the kitchen floor. He went to get the broom and found the mice had eaten all the straw off the end of the broom.

Just then the doorbell rang, and an irritated Santa marched to the door, yanked it open, and there stood a little angel with a great big Christmas tree.

The angel said very cheerfully, 'Merry Christmas, Santa. Isn't this a lovely day? I have a beautiful tree for you. Where would you like me to stick it?'

And so began the tradition of the little angel on top of the Christmas tree.

Not a lot of people know this.  
HAPPY CHRISTMAS

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## Need Help?

Amateurs have a long history of helping each other. An experienced amateur who helps another is traditionally called an "Elmer." If you have a question or problem, you are encouraged to ask one of SCCARA's Elmers. Below is a list of topics and who to contact for each. If your topic isn't listed, ask one of the Elmers under the topic that comes closest and we'll ask around.

If you consider yourself to be reasonably competent in at least one area of amateur radio and would be willing help others, please fill out an Elmer form (available from the club secretary or on our web site).

### Topics:

Antennas, feed-lines, tuners: **NV6W, W6JPP, K6PBQ**  
CW (Morse code): **NV6W, K6PBQ**  
DX (long distance, propagation): **NV6W**  
EchoLink: **K6GKB**  
Emergency operating, preparedness: **WA6QYS**  
HF operating techniques: **NV6W, K6PBQ**  
Homebrew projects, construction: **WB6YRU**

Legal, FCC rules: **WB6YRU**  
License testing, new amateurs: **W6JPP**  
Lightning protection, grounding: **WB6YRU**  
Packet Network (BBS, forwarding): **WB6YRU**  
SCCARA (club inner workings): **K6PBQ, WB6YRU, WA6QYS**  
Station set-up, equipment: **K6PBQ, W6JPP**  
TVI, RFI: **WB6YRU**

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## Newsletter Notes

The first year of the *SCCARA-GRAM* of course was volume 1. This year it's 38, but evidently that's wrong!

I've been looking into our newsletter's history. There's very little in the records prior to 1985. We have a few editions from the 1960's, it was "*The Junk Box*" then. We have two editions from 1974, neither had a title. We have one edition from 1976, that's the first known "*SCCARA-GRAM*."

The first *SCCARA-GRAM* could have come out in 1975, but there aren't any of those in the archives. But it definitely was the *SCCARA-GRAM* in 1976.

The earliest *SCCARA-GRAM* we have with a volume number is June 1984, it's volume 3. Perhaps there were some years between 1976 and 1982 when no newsletter was published. That might explain how 1982 came to be volume 1, but we just don't know.

There were some other goofs in the late 1980's and early 1990's. That's why it was volume 9 when I took over as editor many moons ago (March 1993). At the time I had no reason to question it, but apparently it should have been more like volume 18. And this year should be Volume 46, not 38.

So, with the information available, I'm going to assume our newsletter was first called "*SCCARA-GRAM*" in 1976. And that's why the volume number just skipped ahead... if anyone even noticed! 😊

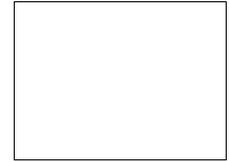
Remember, all the past newsletters we have are on our web site in the archive section, the direct link is [https://www.qsl.net/sccara/newsletter\\_archives.htm](https://www.qsl.net/sccara/newsletter_archives.htm)

73, Gary WB6YRU, editor





**SCCARA**  
 Santa Clara County Amateur Radio Association  
 PO Box 106  
 SAN JOSE CA 95103-0106



**FIRST CLASS**

**ADDRESS SERVICE REQUESTED**

**SCCARA Membership Form for 2021**

If renewing and none of your info has changed, we only need your name and call

Name: \_\_\_\_\_ Call: \_\_\_\_\_ Class: \_\_\_\_\_

Address: \_\_\_\_\_ Licensed since (year): \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip+4: \_\_\_\_\_

Telephone: \_\_\_\_\_ New Member      Renewal      I'm also an ARRL member

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

only for club communications and the SCCARA-GRAM newsletter (pdf)

**Membership type and dues:      Individual, \$20      Family, \$25      Student, \$10 (under 18)**

Memberships start January 1 and expire December 31.

Family memberships (more than one member per household): please include the above info for each member, use separate forms.

**New members:**

Dues are prorated: dues x (11 - month) x 10% For example: July would be \$20 x (11-7) x 0.1 = \$8)

If joining in November or December: normal dues for next year, the rest of this year is included free.

**I want the paper newsletter delivered by U.S. Mail for an additional \$15 per year**

(Prorated, \$1.25 per month. That's \$13.75 if starting in February, \$12.50 if starting in March, etc.)

\$ \_\_\_\_\_ **Total** enclosed

Give this completed form and payment to the Secretary or Treasurer at any meeting or mail to the club address.