

SCCARA-GRAM



Santa Clara County Amateur Radio Association



Volume 34, Number 12

December 2018

Please Renew Your Membership!

Don't go, stay with SCCARA! All memberships expire December 31.

There's a form on the back of this newsletter and on the club web site. You can fill it in within your pdf reader and print the page all filled in. If you're renewing and your info hasn't changed, we only need your name and call, we already have the rest.

Holiday Dinner Meeting in December

Take a respite from the hubbub of holiday shopping. Come break bread with our congenial SCCARA membership. Mark your calendars. Reserve the date. The Santa Clara County Amateur Radio Association will hold its Holiday Dinner at Harry's Hoffbrau on Monday, December 10th.

Harry's is located at 390 Saratoga Ave., San Jose, just north of Highway 280 (between 280 and Stevens Creek Blvd). We have the corner area reserved from 6:30 PM. As you enter the front door turn left down the first aisle of tables and booths and proceed to the next room. This is where we will have our Gala Holiday Feast.

Do come and join your fellow SCCARA members and by all means bring the entire family. Guests, ham or not, are cordially invited. Invite your acquaintances who have shown an interest in ham radio. Witnessing the camaraderie of the club might entice them to join SCCARA and get their ham ticket.

The menu offers delicious meals large or small at reasonable prices. Their draft beers are endless in variety. Something for every taste, including sodas. Let us reminisce about our past activities and plan for future adventures. Looking forward to seeing all SCCARA members and visitors on December 10th. Let Don Village, K6PBQ, know how many are coming in your party.

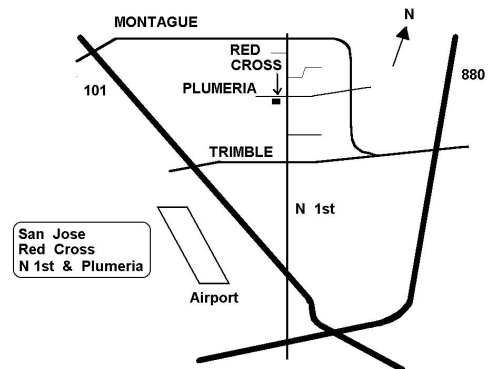
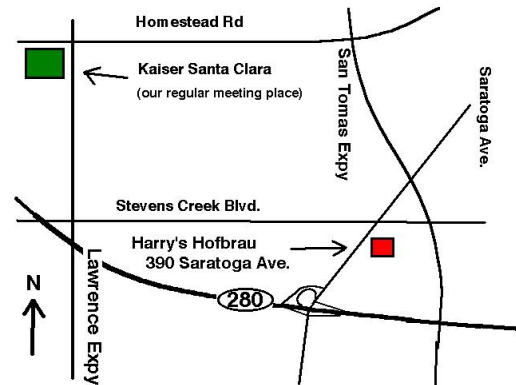
Lou WA6QYS

Calendar

- 12/10 SCCARA General Meeting
12/17 SCCARA Board Meeting--(San Jose Red Cross, 7:30p, all are welcome)

General Meeting

- Day: Monday, December 10, 2018
Time: 6:30 PM
Place: Harry's Hoffbrau, 390 Saratoga Ave.
Featuring: Dinner meeting



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

club email: w6uw@arrl.net or w6uw@sbcglobal.net

BOARD OF DIRECTORS

(officers are also directors)

President	Gregg Lane KF6FNA	408-393-5607
	e-mail: kf6fna@comcast.net	
Vice President	(open)	
	email:	
Secretary	(open)	
	e-mail:	
Treasurer	Goetz Brandt, K6GKB	408-259-7287
	e-mail: goetz@ix.netcom.com	
Station Trustee	Don Village, K6PBQ	408-263-2789
	e-mail: donvillage7@yahoo.com	
Director	Lou Steirer, WA6QYS	408-241-7999
	e-mail: wa6qys@aol.com	
Director	Wally Britten, KA6YMD	408-293-3847
	e-mail: ka6ymd@arrl.net	
Director	James Rustermier, KI6ZSK	408 972-1689
	e-mail: rustermier@gmail.com	
Director	(open)	
	e-mail:	
Director	(open)	
	e-mail:	

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	e-mail: w6gyru@ix.netcom.com	
Webmaster	Wally Britten, KA6YMD	408-293-3847
	e-mail: ka6ymd@arrl.net	

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.

AMATEUR LICENSE TESTING

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

For Sale

Icom IC-R70 general coverage receiver, 100 kHz to 30 MHz. It has been tested and is working fine, but the FM option is not installed. It comes with a Ramsey model AA7B Active



Antenna (RF amplifier), it has not been tested.

Is there anyone on your Christmas list who might be interested in short wave listening? Get him/her this radio!

The asking prices currently found on ebay range from \$190 to \$368, but SCCARA members may expect to pay *significantly* less. Don't be bashful, **make an offer!** If you're the only member interested, we'll probably accept your offer. Email me at w6gyru@ix.netcom.com or see me at any meeting.

73, Gary WB6YRU

SCCARA Elections

Here are the result of our elections for 2019. There was one candidate per office, the slate was voted in unanimously.

President:	Gregg Lane KF6FNA
Vice President:	Lloyd Frisbee KM6FDD
Treasurer:	Goetz Brandt K6GKB
Secretary:	Barbara Britten KD6QEI
Director:	Janet Motha KF6PUQ
Director:	Truman Lindsey N6TRU
Director:	Rusty Rustermier KI6ZSK

Directors Lou WA6QYS and Wally KA6YMD have one more year to go. The Station Trustee's term is indefinite.

Retreat

By the time I got to know Royal Metzger (K6VIP he was in his late 90's). I missed the best part of his Ham Radio career, but his legacy was already well established. My association consisted of hosting him every morning on the Rhubarb net and having lunch with him every Friday along with the Rhubarb Net gang and his daughters. The sparkle in his eyes said it all, a glimpse into a life well lived.

His daughters, Jennifer and Jackie asked if I could come over and have a look at the collection of ham radio gear that had been accumulated over the years. Royal had a ham shack that was an addition to the two car garage that originally sat in the corner of the back yard. To say that the shack was packed with goodies is an understatement. Like so many of us hams, Royal had an eye for that singular component or piece of gear that might have a use someday. As the somedays went by the collection grew until it overflowed into the garage next door.

Bolted to the eve of the shack was a 50 foot triangular tower that Royal erected. At the top was a Cushcraft Tri Beam and on top of that was an eleven element two meter antenna. All this was turned by a High Gain Ham IV rotator that was pedestal mounted within the tower. One third of the way down was a stationary cross beam with additional antennas. In all there were six coaxial cables carefully taped to the tower legs and entering the shack through a rear access panel. There was another tower attached to the back of the house, same triangular structure, but



only thirty feet tall. Dipoles were hung where they could find a center support. Behind the garage and in the very corner of the property was a fifty foot push up mast, the support on an inverted V antenna.

The house has been sold, and the towers had to go. In his day, Royal climbed these towers like a monkey and fiddled and diddled as required. Now that we didn't have Royal, what to do about the towers? After some research we contacted R V Rudnick K6HJU who specializes in tower work. R V is no longer as mobile as he once was, so his assistant Bob Wolbert K6XX does the climbing. I was asked to help, mostly loading dangling ropes with my body weight to manage the lowering of whatever was coming down from above. So how is this done? Glad you asked, because it is simple once someone else has figured it out. Truth is, it the opposite of how it went up.

The singular piece of equipment that makes it all possible is the Gin Pole. This is a piece of pipe longer than any of the tower sections. At the one end is a cap with an off center pulley. At the other end is an external sliding double clamp, one the hugs the Gin Pole and its smaller twin that clamps onto a leg of the tower. Running up through the center of the Gin Pole is a rope that emerges at the top and rides over the pulley provided and dangles back down the outside. So up goes Bob to the top of the tower and clamps the Gin Pole to the outside of one of the tower legs. He slides the pole through the clamp until the upper end is above the top antenna boom. Tighten up all the clamps and attach his free end of the rope to the boom and it only remains for me to belay my opposite end of the rope until Bob has all the fasteners removed. He yells from above that the antenna is free and ready to be



lowered. A few "easy does it's," my hand over hand release of the rope and what was fifty feet in the air is now lying on the ground. The Gin Pole is moved downward one mast section, the process is repeated until all the antennas are removed and only a naked tower still stands.

Each lower tower section has a dowel at the top end of each leg that plugs into the bottom of the next section leg which does not have dowel pin. The overlap is about four inches and allows two fasteners per leg. These threaded devices need a little help in surrendering their grip. Some Liquid Wrench, some box end tools and a little swearing and they eventually come apart. Now the fun begins, as I apply all my weight to the rope and Bob starts man handling the tower section to be removed. After endless shaking back and forth, the rust bond that has built up over the last 40 years gives way and the section rises up and swings freely. This process is repeated until all the tower sections are on the ground. The bottom section refused to unglue its grip on the steel studs sticking out of the cement anchor, so it had to be sawed off. Once the tower was gone, the cement revealed Royal's index finger "K6VIP" impression from the day he poured the concrete.

The thirty foot tower against the house was a repeat of the fifty foot tower against the shack. The 50 foot, five section push up mast gave almost no resistance at all after witnessing the other towers surrender to R J and Bob's talents. The K6VIP shack is slowly melting away and the new owners will have no clue that he house and garage were festooned with antennas.

Goetz Brandt, K6GKB



ARRL News

From *The ARRL Letter*, November 1, 2018

ARRL Says Wireless Power Transfer for Electric Vehicles Petition is Premature

ARRL is opposing a Petition for Rulemaking (RM-11815) by several vehicle manufacturers that calls on the FCC to “adopt field strength limits in Section 18.305 that will allow higher-power wireless charging technologies operating in the 79 - 90 kHz range” to accommodate what the petitioners call “next-generation” wireless power transfer for electric vehicles (WPT-EV). Comments filed on October 29 by ARRL contend that the petition is “woefully incomplete and inadequate” in its analysis of consequent out-of-band emissions from WPT-EV systems in the low- and medium-frequency ranges using upward of 11 kW of power. Given the high power levels, ARRL said harmonic emissions from WPT-EV systems could be appreciable, with the AM Broadcast Band and Amateur Radio as potential interference victims. “Interference potential from intentional radiators requires

substantial evaluation,” ARRL asserted in its remarks.



Researchers at Oak Ridge National Laboratory test a wireless power transfer charger on a fully electric vehicle. [US Department of Energy photo]

The issue of WPT-EV is a World Radiocommunication Conference 2019 (WRC-19) agenda item, for which studies are still under way. The Petition “quite obviously prejudices the outcome of WRC-19 Agenda Item 9.1.6,” ARRL said, stressing that the Petition is simply premature at this point.

“The Petition is typical [of those that] tout a new application of old technology,” ARRL commented. “So as to establish a sense of urgency, the bulk of the Petition is dedicated to establishing a public interest justification for making a rule change now, in order to accommodate the technology.”

The Petition seeks a specific field strength limit of 74.4 dB μ A/meter (at a distance of 10 meters), regardless of the charging system's operating environment. That works out to about 2.07 V per meter (at 10 meters) or 126 dB μ V -- 126 dB above 1 μ V. The Petition presumes that the optimum internationally harmonized frequency range for WPT-EV is already known to be 79 - 90 kHz and that the optimum field strength to minimize any impact on radiocommunication services has been established, ARRL commented.

“The problem, however, is that there is nothing in the four corners of the Petition that would justify those assumptions,” ARRL told the FCC. ARRL said the rollout of WPT-EV “has profound implications in terms of its ubiquity in future years,” and called on the Commission to deny the petition without prejudice or dismiss it altogether.

“Quite clearly, the petitioners have ‘jumped the gun’ by filing this Petition now,” ARRL concluded.

From *The ARRL Letter*, November 8, 2018

Radio amateurs in India now have access to three new bands

India's Ministry of Communications' Department of Telecommunications has published an updated National Frequency Allocation Plan, effective on October 25, which lists the new bands at 5 MHz (60 meters), 472 kHz (630 meters), and 136 kHz (2300 meters). All allocations are on a secondary basis. On 60 meters, hams now have access to 5,351.5 - 5,366.5 kHz at 15 W EIRP; on 630 meters, 472 - 479 kHz at 1 W EIRP, and on 2300 meters, 135.7 - 137.8 kHz at 1 W EIRP.

Radio amateurs in Italy and France have been allocated a slice of spectrum at 60 meters. They now have access to 5.351.5 MHz - 5.366.5 MHz on a secondary basis with a maximum equivalent isotropic power (EIRP) of 15 W, in line with amateur allocations in other European countries.

Sweden's IARU member-society SSA reports that radio amateurs there gained routine secondary access to 5,351.5 - 5,366.5 kHz, also at 15 W EIRP, effective on November 1.

Temporary permission has been available since 2016, by application.

-- Thanks to Paul Gaskell, G4MWO, Editor, The 5 MHz Newsletter; SSA

From *The ARRL Letter*, November 15, 2018

California Fires Spur Amateur Radio Emergency Service Activations

Amateur Radio volunteers have been active or are standing by on several fronts as wildfires continue to rage in large sections of California.

Camp Fire

In Butte County, in northern California, the Camp Fire, the state's deadliest wildfire, triggered a call up of Amateur Radio Emergency Service (ARES®) members for communication support. A small wildfire that started in a mountainous area of Butte County quickly grew, due to high winds. Eventually more than 25,000 people were evacuated. As multiple shelters opened to assist evacuees, five Sacramento Valley ARES groups were called out to support communication between the Red Cross Disaster Operations Center (DOC) and the shelters.

The uncontrolled wildfire eventually consumed the town of Paradise, a town of some 27,000 residents. As of November 14, the Camp Fire covered some 145,000 acres (35% contained), killed more than 40 people, and destroyed nearly 8,000 structures.

Utilizing mutual assistance, more than 20 ARES members from five ARES groups are supporting the shelters. ARES members have also been tasked by Red Cross to shadow Red Cross delivery vehicles to provide communication in the mountain areas to the shelters.

ARES communication at the shelters has been carried out using voice, Winlink, and email to pass shelter counts, and tactical messages between the shelter and the Red Cross Disaster Operations Center and Cal Office of Emergency Services.

Working 12-hour shifts, Sacramento Valley Section District Emergency Coordinator 3 Michael Joseph, KK6ZGB, has been staffing the Red Cross radio station as net control for the DOC, passing messages and tracking ARES personnel. Sacramento ARES members have been pitching in as needed. Joseph also has been coordinating ARES deployments as needed.

-- Thanks to Sacramento Valley Section Emergency Coordinator Greg Kruckewitt, KG6SJT

Woolsey Fire

The Woolsey Fire that swept through the westernmost portion of Los Angeles County, including Malibu, and the easternmost area of Ventura County in the ARRL Santa Barbara Section, required the evacuation of more than 200,000 Los Angeles County residents -- an unprecedented number in recent decades. Evacuees included several celebrities, several of whom lost homes in the fire. More than 50 people have died in all fires, and more than 100 are still missing.

"[G]overnmental radio systems used by fire and sheriff held up well, even though cell phone and internet service went out in many fire areas because of burned utility poles," said Los Angeles Section Manager Diana Feinberg, AI6DF. "Evacuees went to areas where cell phone service was generally available."

Feinberg said Los Angeles ARES (ARES LAX) has not been activated because no county hospitals are in the affected area and no hospital outside the fire zone was in danger of losing communication. She added, though, that a sizable team of ARES LAX operators organized by LAX-Northwest District Emergency Coordinator Roozy Moabery, W1EH, did extensive logistics work over the November 10 - 11 weekend at a major drop-off site in the San Fernando Valley for evacuee supplies. ARES team members worked with other volunteers to accept nearly 10 tons of pet food, plus thousands of boxes of items such as soap, toothpaste, toothbrushes, shampoo, conditioner, razors, lotion, feminine care products, and sunscreen, as well as baby food, formula, diapers and wipes, towels and bedding, snacks, and non-perishable food items, Feinberg said.

On the air for the Woolsey Fire, both the Los Angeles County Disaster Communications Service (DCS) -- Amateur Radio volunteers overseen by the Sheriff's Department -- and the City of Los Angeles Fire Department Auxiliary Communication Service (ACS) operated nets and monitored their respective frequencies. "The DCS group at Lost Hills Sheriff Station covers most of the Los Angeles County areas affected by the Woolsey Fire and communicated with organized amateurs in the cities of Calabasas, Agoura Hills, Hidden Hills, Malibu, Westlake Village, and unincorporated mountain areas when not affected by respective mandatory evacuation orders," Feinberg said. "The City of Los Angeles' ACS group was involved when the city's West Hills neighborhood in the San Fernando Valley became the fire's northeastern front, forcing about half of the West Hills community to evacuate." Santa Barbara Section Manager John Kitchens, NS6X, told ARRL that Ventura County ACS (ARES) is supporting evacuation centers and the Red Cross, in the Santa Barbara Section.

Feinberg said ACS members have also been involved with delivering food and water supplies to LAFD firefighters and performing fire patrols. American Red Cross volunteers are reported to be using Amateur Radio in connection with some of their fire response activities, Feinberg reported. The Woolsey Fire covers nearly 100,000 acres and was reported 47% contained as of November 14.

-- Thanks to Diana Feinberg, AI6DF

Meeting Minutes

General Meeting, Nov. 12, 2018



Santa Clara Kaiser Hospital Building, 700 Homestead Rd., Room B-06

The meeting was called to order by President Gregg Lane at 19:37.

Introductions were made.

Announcements:

- 1) SSB Sweepstakes Nov. 17-18, 2018. 1P.M. start at the Red Cross Radio Room.
- 2) Check out the back table to see items for sell and copies of the SCCARA-GRAM.
- 3) SCCARA holiday dinner will be on Monday, Dec. 10, 2018, starting at 6:30 P.M. The location this year will be at Harry's Hoffbrau, 390 Saratoga Ave. (North of 280) Let Don Village know if you will attend.
- 4) Becky Frisbee brought Baked Goods for tonight's

meeting. Thank you Becky!

Elections for 2019

Nominated:

- 1) President - Gregg Lane KF6FNA nominated by Lou WA6QYS, second by Goetz K6GKB.
- 2) Vice President - Lloyd Frisbee KM6FDD nominated by Lou WA6QYS, second by Don K6PBQ.
- 3) Secretary - Barbara Britten KD6QEI nominated by Gregg KF6FNA, second by Lou WA6QYS.
- 4) Treasurer - Goetz Brandt K6GKB nominated by Gary WB6YRU, second by Don K6PBQ.

New 2 year term for Directors:

- 5) James Rustermier KI6ZSK nominated by Lou WA6QYS, second by Janet KF6PUQ.
- 6) Truman Lindsey N6TRU self nominated, second by Gary WB6YRU.
- 7) Janet Motha KF6PUQ nominated by Lou WA6QYS, second by Barbara KD6QEI.

Directors with 1 year left of their term:

- a) Wally Britten KA6YMD
- b) Lou Steirer WA6QYS

No offices contested. President Gregg Lane declared a white ballot. Carried.

Gregg introduced Goetz Brandt K6GKB who gave a demonstration about on-line remote SDR receivers. He went to several of the sites and showed what the displays looked like and how to choose a signal to monitor. Goetz acts as Net Control on an HF net and shared how several of the participants of the net used various SDR receiver sites to help monitor all of the participants of the net (due to propagation, some hams are in the skip zone of some of the other hams.)

The meeting was adjourned at 20:28 and refreshments were shared by all.

Gregg Lane KF6FNA

Board Meeting, Nov. 19, 2018



Red Cross Building 2731 N. 1st. St., San Jose, CA.

Meeting called to order by President Gregg Lane at 19:40.

Attendance:

President Gregg Land KF6FNA; Treasurer Goetz Brandt K6GKB; Station Trustee Don Village K6PBQ; Directors: Lou Steirer WA6QYS, Wally Britten KA6YMD, James Rustermier KI6ZSK; visitor Editor Gary Mitchell WB6YRU.

Announcements:

- 1) Holiday Dinner at Harry's Hoffbrau on Monday, Dec. 10, 2018. Start time 6:30 P.M.
 - 2) Club Station will not be open in December.
 - 3) Tonight's donuts from Rusty, cookies from Lou.
- Thanks to both of you!

Secretary's Report:

- 1) SCCARA has 58 members for 2018
- 2) 2019 Officers:

President - Gregg Lane KF6FNA
 Vice President - Lloyd Frisbee KM6FDD
 Secretary - Barbara Britten KD6QEI
 Treasurer - Goetz Brandt K6GKB
 Director - Lou Steirer WA6QYS (1 year left)
 Director - Wally Britten KA6YMD (1 year left)
 Director - James Rustermier KI6ZSK (2 year term)
 Director - Truman Lindsey N6TRU (2 year term)
 Director - Janet Motha KF6PUQ
 Trustee - Don Village K6PBQ

Treasurer's Report: As of 11/19/2018

checking = \$8,251.03
 savings = 500.07
 cash = 1,466.95
 Total = \$10,218.05

Trustee's Report:

- 1) The beam antenna at the Red Cross has high SWR, needs to be checked.
 - 2) 2 new log books were donated by Wally and Rusty.
- Thanks!

Old Business:

Gary sold the Yeasu FT-101ZD transceiver. Has had some interest in the ICOM IC-R70 receiver.

New Business:

- 1) Installation of Officers at Dec. 10, 2018 Holiday Dinner.
- 2) Gary has updated SCCARA information for officers.
- 3) Rusty - We should start thinking of SCCARA's 100 year celebration. We could have a special event station or a SCCARA postage stamp. SCCARA should put together a u-tube video about our club.

Adjourned at 20:18

Gregg Lane KF6FNA

Packet Pieces

Downloaded from the BBS packet network:

=====
 Date: 1 Oct 2012 03:56
 From: GM3YEW@GB7YEW
 To: HUMOUR@WW
 Subject: Jokes 1/10
 =====

Gallagher opened the morning newspaper and was dumbfounded to read in the obituary column that he had died. He quickly phoned his best friend, Finney.

'Did you see the paper?' asked Gallagher. 'They say I died!!'

'Yes, I saw it!' replied Finney. 'Where are ye callin' from?'

 A resident in a posh hotel breakfast room called over the head waiter one morning. "I'd like one under-cooked egg so that it's runny, and one over-cooked egg so that it's tough

and hard to eat. I'd also like grilled bacon which is a bit on the cold side, burnt toast, butter Straight from the freezer so that it's impossible to spread, and a pot of very weak, lukewarm coffee."

"That's a complicated order sir," said the bewildered waiter. "It might be quite difficult."

The guest replied sarcastically, "It can't be that difficult, it's exactly what you brought me yesterday."

Books and their authors

- "The Human Brain" by Sara Bellum
"Please Don't Hurt Me" by I. Bruce Easly
"Life Through the Eyes of a Drunk" by Al Coholic
"Race to the Outhouse" by Willie Makeit
illustrated by Betty Wont
"The Proper Use of Sunscreens" by Justin Casey Burns
"How To Cure Scratching" by Ivan Awfulich
"Discount Alternatives" by Robin Stuff
"How To Save Time" by Terry A. While

Random Quotes

- "There are only two things a child will share willingly -- communicable diseases and his mother's age."
"I don't believe in astrology; I'm a Sagittarian and we're skeptical." --Charles Schultz
"It's no longer a question of staying healthy. It's a question of finding a sickness you like." --Jackie Mason
"Man had always assumed that he was more intelligent than dolphins because he had achieved so much -- the wheel, New York, wars, and so on; whilst all the dolphins had ever done was muck about in the water having a good Time. Conversely, the dolphins believed themselves to be more Intelligent than man for precisely the same reasons."
-- Douglas Adams
"I owe a lot to my parents, especially my mother and father." -- Greg Norman
"Most cars on our roads have only one occupant, usually the driver." --Carol Malia, BBC Anchorwoman
"Being young is beautiful, but being old is comfortable."
"If a man has enough horse sense to treat his wife like a thoroughbred, she will never turn into an old nag."
"100,000 lemmings can't be wrong."
73 Dave. GM3YEW

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**

Contacts:

K6GKB, Goetz Brandt, 408-259-7287
e-mail: goetz@ix.netcom.com

NV6W, James D. Armstrong, Jr.,
evening & msg: 408-670-1680

W6JPP, John Parks, 408-309-8709
e-mail: w6jpp@arrl.net

K6PBQ, Don Village, 408-263-2789
e-mail: donvillage7@yahoo.com

WA6QYS, Lou Steirer, 408-241-7999
e-mail: wa6qys@arrl.net

WB6YRU, Gary Mitchell, 408-269-2924
packet: home BBS N0ARY
e-mail: wb6yru@ix.netcom.com

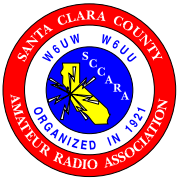
Newsletter Notes

We had a few things to sell in the previous edition, only the R-70 receiver remains. It being Christmas time, perhaps this radio would make a good gift for someone you know who is or might be interested in short wave listening. Some of us got started in amateur radio that way, including yours truly.

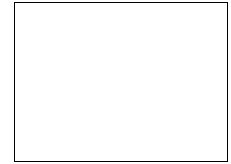
The club isn't asking a specific price--instead, you tell us what it's worth to you. If your offer isn't too ridiculous, we'll accept it.

Keep in mind we can have ads for members too. If you have one or two things you'd like to sell (or give to a worthy home), members may list it free in the SCCARA-GRAM.

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 2019

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% (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 \$30 per year

(Prorated, \$2.50 per month. That's \$27.50 if starting in February, \$25 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.