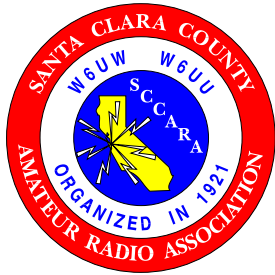


SCCARA-GRAM



Santa Clara County Amateur Radio Association

Volume 33, Number 8

August 2017



President's Prose

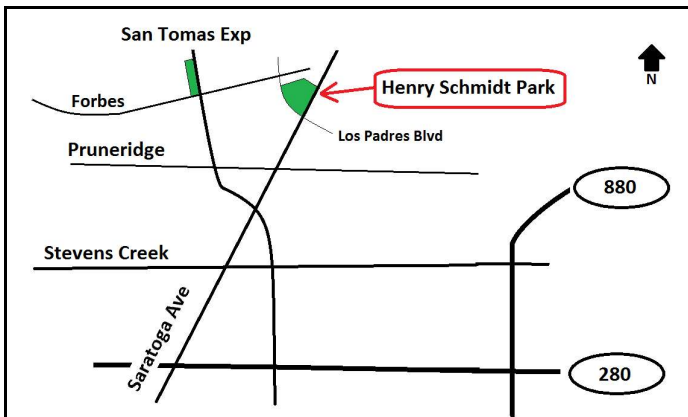
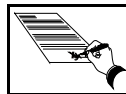
I would like to invite everyone to attend the SCCARA picnic on Sunday, August 20, 2017 at Henry Schmidt Park in Santa Clara. SCCARA will provide hot dogs, buns, condiments, sodas and charcoal for this pot luck event. Set-up crew will be there at sun rise to claim tables and hang antennas for at least one HF station. There will be more information at the August 14, 2017 SCCARA meeting.

Don't forget about the Saturday, December 16, 2017 SCCARA holiday luncheon. In order to celebrate the holidays at Micheal's Shoreline we need commitments from a minimum of 25 prepaid diners. There is a form in the SCCARA-GRAM that can be mailed in with a check or turned in at either the SCCARA meeting or the SCCARA picnic.

Picnic Directions: 1) from 280 exit Saratoga Road North. Drive 1.6 miles to the intersection of Los Padres Blvd. and Saratoga Road. Henry Schmidt Park is on your left. (If you see Scott Blvd. you have gone too far) 2) or if you are on El Camino Real take San Tomas South 1.8 miles. Turn LEFT on Saratoga Road. Drive .7 miles to Henry Schmidt Park, 555 Los Padres Blvd., Santa Clara. There will be talk-in directions on the SCCARA 2 m repeater after 9A.M.

Hope to see you at the picnic!

73, Gregg KF6FNA, kf6fna@comcast.net

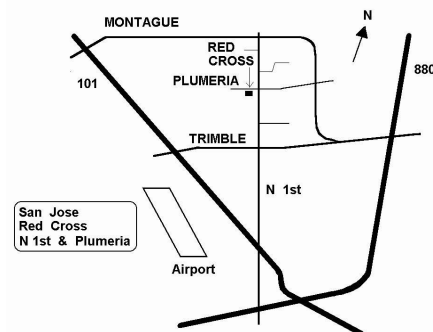
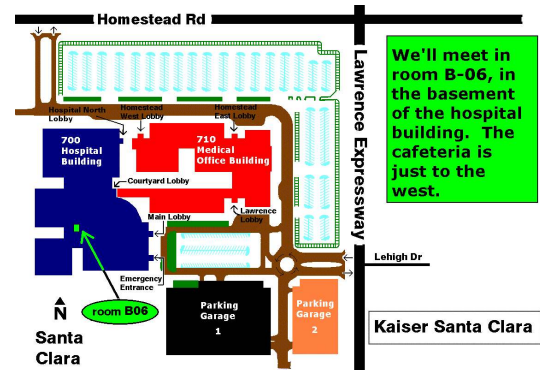


Calendar

- 8/12 Electronics Flea Market
- 8/14 SCCARA General Meeting
- 8/20 SCCARA Picnic - Henry Schmidt park
- 8/21 SCCARA Board Meeting--(San Jose Red Cross, 7:30p, all are welcome)

General Meeting

- Day: Monday, August 14, 2017
Time: 7:30 PM
Place: Kaiser Santa Clara, Hospital B-06
Featuring: {to be announced}



The **SCCARA-GRAM** is published monthly by the SANTA CLARA COUNTY AMATEUR RADIO ASSOCIATION, PO Box 106, San Jose CA 95103-0106. Permission to reprint articles is hereby granted, provided the source is properly credited.

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

SCCARA was formed in 1921 and became a non-profit corporation in 1947. SCCARA is an affiliate of the American Radio Relay League (ARRL). The club station is W6UW.

Web page: www.qsl.net/sccara

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(officers are also directors)

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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

EchoLink

The club 2 meter repeater (W6UU/R) now has EchoLink installed and it is available to all users. For those unfamiliar with this feature, here is the Wikipedia description of the service:

EchoLink is a computer-based Amateur Radio system distributed free of charge that allows radio amateurs to communicate with other amateur radio operators using Voice over IP (VoIP) technology on the Internet for at least part of the path between them. It was designed by Jonathan Taylor, a radio amateur with call sign K1RFD

If you have access to the internet and have EchoLink installed on a portable device, then you can use our repeater from anywhere on the planet. I was sitting in a McDonalds' parking lot in Switzerland and talked to Paul KK6HWN here in San Jose. It works and it works very well. Club members are encouraged to download the software from the internet and follow the instructions for activating the service. Simply type "EchoLink" into your browser window and you are on your way. Once loaded on your tablet, MAC book, PC or smart phone, the rest is quite intuitive and easy to use. Try it, you will like it.

Thanks to Don Steinbach AE6PM and Paul Gorny KK6HWN for making it happen.

Goetz K6GKB

K6IUU - SK

It is with regret we report the passing of SCCARA member Virginia Metzger K6IUU, XYL of member Roy K6VIP, on June 12, 2017. Roy is still living at home. Services were held at Oak Hill Memorial Park on June 20.

ARRL News

From *The ARRL Letter*, June 29, 2017

Amateur Radio Poised to Retain Full 76-81 GHz Band, Sharing with Vehicular Radars

In a draft Report and Order (ET Docket No. 15-26) to be considered at its July 13 open meeting, the FCC has proposed lifting a nearly 2-decade-old suspension of Amateur Radio access to 76-77 GHz, giving the Amateur and Amateur-Satellite services access to the full 76-81 GHz band on a secondary basis. The FCC also reduced Amateur Radio's status from primary to secondary in the 77-77.5 GHz segment, to match the rest of the 76-81 GHz band, and it imposed a uniform power-level limit for users of the band. The draft Report and Order (R&O) concluded that Amateur Radio and vehicular radars will be able to successfully share the millimeter-wave band with minor adjustments in the Amateur Service rules. A goal of the proceeding has been to expand and consolidate the spectrum available worldwide for 76-81 GHz radar operations. It would bring the US Table of Allocations into line with decisions at the 2015 World Radiocommunication Conference (WRC-15) and make the entire band available internationally for vehicular radars operating in the Radiolocation Service (RLS).

"The rule changes we adopt modifying the regulatory status of amateur stations and capping their power levels will ensure the

continued operation of amateur stations in this band, and are a reasonable alternative to expanding the suspension of amateur operations from the 76-77 GHz band to the remainder of the 76-81 GHz band or removing the amateur allocations altogether from the 76-81 GHz band,” the draft R&O said. “In addition, these changes, coupled with the nature of amateur operations in the band...will ensure that the potential for harmful interference from amateur operations to vehicular radar operations in the 76-81 GHz band is negligible and satisfy our efforts to ensure protection for the important safety functions that vehicular radars will provide.”

The FCC R&O would impose a 55 dBm peak effective isotropic radiated power (EIRP) limit (316 W EIRP) on Amateur Radio operations in the band. This is the same as that allowed to vehicular radars. The R&O reasons that the risk for potential interference between Amateur Radio operation and RLS operations “is mitigated by the directionality of vehicular radars' antennas -- downward in orientation and mounted on a low position on the vehicles.” The R&O also cited the periodic and transient nature of amateur operations in the band coupled with high path losses in a band that is conducive to frequency re-use.

In reaching its tentative conclusions relative to the amateur allocation in the 2015 proceeding, the FCC considered the comments of several individual radio amateurs as well as ARRL, Bosch, Delphi, the Automotive Safety Council, the Consumer Technology Association (CTA), and automakers and their representatives, among others. Several automotive manufacturers had asked that Amateur Radio be ousted from the band.

W8CDX Takes Field Day Back to its Roots

Some younger radio amateurs may not realize that ARRL Field Day has been a staple operating event for more than 80 years. Former ARRL Communications Manager F. E. Handy, W1BDI, is credited with conceiving “International Field Day” in 1933, although it wasn't until the following year that he described it as the “test of the emergency availability of portable stations and equipment” we know today. For Field Day 2017, the crew at the Karns City Amateur Radio Club, W8CDX, once again took Field Day equipment back to the 1930s -- a time when the notion of “portable” applied only loosely to equipment of the era. Last year, W8CDX used a National HRO-5 receiver and a style of transmitter similar to something that could have been used at that first Field Day. This time, everything was home built.



Eric Tichansky, NO3M, sets up his vintage replica Field Day station for W8CDX.

“This would have been a possible setup used in the third Field Day in 1935,” Tichansky told ARRL. “The entire station was 100% homebrew, including the power supplies, T/R switching, and link-coupled antenna tuner -- inspired by a 1935 ARRL Handbook project.” Power supplies were based on standard designs from that era, using 866s in the amplifier supply and 83s in the buffer and oscillator supplies. The bias supply used an 80 rectifier and an 874 regulator of late 1920s vintage to supply the needed -90 V bias.



The W8CDX Field Day 2017 operating position. The receiver (shown here) was constructed from a 1934 QST article.

“We had a lot of fun putting up another 1930s-style station for Field Day 2017,” said Eric Tichansky, NO3M, the trustee of the W8CDX station. The transmitter was based on an August 1934 QST article, “A Medium-Powered Phone-C.W. Transmitter with Pentode Power Tubes,” the receiver on a May 1934 QST article, “A De Luxe Crystal Type S.S. Receiver.” Tichansky has documented the receiver project from start to finish.

Tichansky said the T/R switch, which could be operated by foot switch, not only switched the antenna between receiver and transmitter, but opened the keying line in receive, grounded the receiver input on transmit, lifted the grounded end of the receiver's RF/IF gain pot, and put a 15 kW potentiometer in line to adjust the side tone level. The antenna was an 80-meter doublet fed with homebrew open-wire feed line.

Using the replicated vintage gear, W8CDX logged 305 contacts, about evenly split between 40 and 80 meters -- up from 153 on 40 meters alone in 2016. The biggest issue on the air was chirp, “depending on how the stages in the rig were tuned.” Sometimes the receiver would decide on its own to change frequency. Tichansky gave the gear a trial run during the Breezeshooters Hamfest at the Butler Fairgrounds in Prospect, Pennsylvania, on June 4, making several contacts.

“We plan to keep this going as an annual event,” Tichansky told ARRL. “It's really a lot of fun putting this antique-style gear on the air.”

From *The ARRL Letter*, July 6, 2017

IARU Revises Satellite Coordination Guidelines to Align with WRC-15 Decisions

Starting on August 1, the International Amateur Radio Union (IARU) will follow revised guidelines for satellite frequency coordination. Educational satellite projects have grown in popularity as launch opportunities have increased. These satellites, constructed by students at universities and other institutions, generally have been licensed to operate in the Amateur-Satellite Service, which the International Telecommunication Union (ITU) Radio Regulations define as having the “purpose of self-training, intercommunication, and technical investigations carried out by amateurs...interested in radio technique solely with a personal aim and without pecuniary interest.”

“The strong preference is for all satellites using spectrum allocated to the Amateur and Amateur-Satellite services to operate under amateur licenses and within the definition of the Amateur-Satellite service and the service-specific Article 25 of the Radio Regulations,” IARU said in announcing the change. “The IARU believes the definition is sufficiently broad to encompass nearly all educational satellite projects that include giving students hands-on experience with radiocommunication and are conducted under an amateur license.”

Some administrations have issued experimental licenses for such satellites operating in Amateur-Satellite Service bands. The IARU has coordinated these satellites as well, to reduce the possibility of harmful interference that might result from uncoordinated operation. Since July 1, 2014, however, it has not been possible to coordinate experimental satellites in the 144-146 MHz band, because of the high probability of harmful interference in this heavily used band.

IARU will continue to coordinate satellites with combined amateur and non-amateur missions. It will only coordinate a non-amateur satellite if an administration directs in writing that it be operated in an Amateur-Satellite band under an experimental or other non-amateur license.

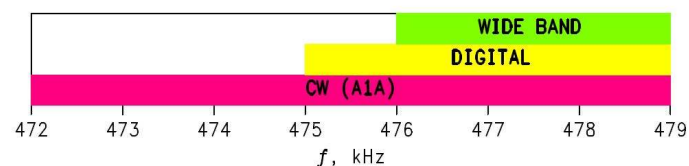
The new guidelines bring IARU's satellite coordination policies into line with Resolution 659 at World Radiocommunication Conference 2015 (WRC-15). That resolution noted that the use of 144-146 MHz and 435-438 MHz by non-amateur satellites was not in accordance with the definition of the Amateur-Satellite service in the Radio Regulations, and it made clear that the spectrum needs of what are now called “non-geostationary satellites with short duration missions” should be met either within the service in which the space station is operating, or within the Space Operation Service. If new or upgraded allocations to the Space Operation Service are needed, studies should be limited to the frequency ranges of 150.05-174 MHz and 400.15-420 MHz, IARU said.

WRC-19 has been invited to consider steps to facilitate the deployment and operation of nanosatellites and picosatellites. Such satellites generally must use spectrum below 1 GHz for operational reasons.

A global federation of national associations of radio amateurs in more than 150 countries, IARU has provided complimentary frequency coordination services for amateur satellites for many years.

Band Plan Proposed for Eventual Amateur Radio Use of 472-479 kHz

ARRL 630-Meter Experiment Coordinator Fritz Raab, W1FR, and LF/VLF enthusiast John Langridge, KB5NJD, have proposed a possible band plan for the pending 472-479 kHz Amateur Radio band. (<http://500kc.com>) Raab said that once US radio amateurs are granted access to 630 meters, he would move stations operating under the blanket WD2XSH FCC Experimental (Part 5) license to 461-472 kHz.



“This will clear the amateur frequencies, while allowing the experimenters to run unattended propagation beacons without using the limited bandwidth that will be available to amateurs,” Raab explained in his spring 630-Meter Experiment Project Status quarterly report. “The new 630-meter band will have a very limited amount of spectrum (7 kHz).”

On March 28, the FCC adopted rules that will allow secondary Amateur Radio access to 472-479 kHz and to 135.7-137.8 kHz (2,200 meters), with minor conditions. The issue now holding up amateur access involves a requirement to notify the Utilities Telecoms Council (UTC) of proposed Amateur Radio operation on either new band. The FCC says the Office of Management and Budget (under the Paperwork Reduction Act) must first approve the information-collection requirements in §97.303(g)(2). Procedures to meet the requirements are said to be still under development by UTC, which says it wants to avoid Amateur Radio interference to power line communication (PLC) systems used to manage the electrical power grid. No such interference has been reported during the extensive experimental operation on 630 meters and on 2,200 meters.

According to Raab's quarterly report, he and Langridge prepared the 630-meter band plan that “based upon established patterns, separates different modes of operation, and harmonizes US amateur operations with those in Europe.” The plan, which is still a proposal and has not been endorsed or adopted by ARRL, calls for using only narrowband modes -- with bandwidths of 150 Hz or less -- during nighttime operation. Under the plan, modes such as AM, SSB, and MCW would be discouraged after dark, except during special events. In the event a “wideband” mode were necessary, though, the signal should be confined to between 476 and 479 kHz.

From *The ARRL Letter*, July 13, 2017

WWV 25 MHz Signal Swapped to Circular Polarization, Reception Reports Invited

The resurrected 25 MHz signal of time and frequency standard station WWV is now emanating from a circularly polarized turnstile antenna. WWV had used a vertically polarized antenna on 25 MHz in the 1970s. Silent since 1977, the 25 MHz signal returned to the air on an “experimental basis” in April 2014, and it's been transmitting ever since -- initially on a broadband disccone until August 2015, when it switched back to a vertical, which it used until the July 7 switch to circular polarization.

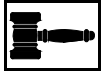


The WWV 25 MHz turnstile antenna. [Matt Deutch, NØRGT, photo]

“[W]e are broadcasting with 2 kW from a circularly polarized turnstile antenna,” WWV lead electrical engineer Matt Deutch, NØRGT, told ARRL this week. “It is just your standard plain-vanilla turnstile -- two horizontal orthogonal dipoles with a quarter-wave phase-shifting coax linking them.”

Meeting Minutes

General Meeting, July 10, 2017



{No minutes submitted. -- Editor}

When the 25 MHz transmitter was shut down in 1977, the antenna's radiating element was "tossed in the bone yard, and a new, longer section put on the tower to make it a 15 MHz standby antenna," Deutch has recounted. When WWV first reintroduced the 25 MHz broadcast some 37 years later in response to requests, it used a broadband monopole. But, it was later decided to use that antenna for WWV's 2.5 MHz standby transmitter and to rebuild the 25-MHz antenna. The old radiating section was retrieved, and the antenna rebuilt so that it looked like what was being used in 1977.

Deutch said it's hoped that the latest antenna change to circular polarization might be helpful to anyone studying propagation during next month's total solar eclipse, which will be visible across the US. "My effort right now is focused on getting the word out, just to make people aware that [the 25 MHz signal] is available, if it can be useful to them."

Located in Fort Collins, Colorado, WWV is operated by the National Institute of Standards and Technology (NIST). WWV has invited listeners' comments and reports on its 25 MHz signal.

From *The ARRL Letter*, July 27, 2017

ARRL President Issues Call for Members to Reach Out to their Senators to Support S. 1534

ARRL President Rick Roderick, K5UR, is calling on League members to urge their US Senators to support the Amateur Radio Parity Act of 2017, S. 1534. (<http://www.arrl.org/amateur-radio-parity-act>) ARRL has opened a RallyCongress page to simplify the task.

"[W]e are at a crossroad in our efforts to obtain passage of The Amateur Radio Parity Act," Roderick said. He said the campaign to secure passage of the bill scored a major victory earlier this year when H.R. 555 passed unanimously in the US House of Representatives. Obtaining passage of the companion Senate bill, S. 1534, is the final legislative hurdle.

"Now is the time for all hams to get involved in the process!" Roderick said. "Many of you already live in deed-restricted communities, and that number grows daily."

He urged radio amateurs now restricted by a homeowners association from installing effective outdoor antennas to visit the RallyCongress site and e-mail their two US senators. He also encouraged those not currently affected by deed covenants, conditions, and restrictions (CC&Rs) to support their fellow radio amateurs by doing the same.

"If you want to help create an opportunity -- not available before now -- for Amateurs who live in deed-restricted communities to install effective outdoor antennas on property that you own or lease, send these e-mails today!" Roderick said. "We need you to reach out to your senators today. Right away."

S. 1534 was introduced in the US Senate on July 12, marking another step forward for this landmark legislation. Senators Roger Wicker (R-MS) and Richard Blumenthal (D-CT) are the Senate sponsors. The measure will, for the first time, guarantee all radio amateurs living in deed-restricted communities governed by a homeowners association (HOA) or subject to any private land-use regulations, the right to erect and maintain effective outdoor antennas at their homes, while protecting the aesthetic concerns of HOAs.

Board Meeting, July 17, 2017



7:38 PM

Announcements:

Picnic on Sunday Aug the 20th
Club Station open on 07/29/2017
SVECS Breakfast on 07/22/2017
Don will not be available from 08/16/2017 - 08/24/2017
Wally volunteered to do the weekly NET's during the absence of Don Village

Secretary:

39 members
Rusty moved to accept meeting minutes as read. Don seconded. Carried.
Secretary to send a copy of the members list to the board members.

Goetz :
TBD

Trustee's report:

Radio hooked up again post field day. Everything working as expected.
We need confirmation on holiday luncheon by 08/28/2017. We need at least 25.
Gregg suggested we send email to all members, talk to them during August general meeting. We also will call them all to make sure they all know about this.

President's Report:

Next month speaker is TBD
Picnic on Sunday, Aug the 20th. We will do a potluck. Henry Schmidt park. Write an article for that in sccaragram.

Repeater report:

Repeater is working.
ECOLINK is available on the repeater now. We need to arrange a talk to educate the club.
We are working on getting a phone line at the 440 repeater.

Old Business:

We need to setup Antenna party for the roof on Red Cross to setup antenna rotor. We need to check with Goetz on the rotor cable.

Bill for the Field Day weekend:

Rest room for field day - \$174.08. We need to refund the money to Lou. Board to instruct Goetz to send a check for the amount.

Meeting adjourned at 08:11 PM PDT.

Signed
KK6VGB - Praveen Akunuru
Secretary - SCCARA

Board Meeting, June 19, 2017



7:44 PM

Attendance: KF6FNA - Gregg Lane; KA6YMD - Wally; K6PBQ - Don Village; WA6QYS - Lou Stierer; KI6ZSK-James Rustermier; Fred Townsend; KK6VGB - Praveen Akunuru

Excused Absences: Goetz - Out of station; Clarke

Announcements:

Remind club about the holiday banquet. We need to confirm the booking with the restaurant by August.

Secretary Reports:

May meeting minutes - Rusty moves to accept minutes as corrected. Don has seconded. Carried.

Reconciling member list pending.

Goetz - on vacation

Trustee:

Don will not be available for a week in August. We need to find an alternative member for doing Net Control.

President:

Speaker for next month is TBD.

Field Day:

Board discussed on the plan for field day.

Meeting closed at 8:17 PM

Signed

Praveen, KK6 VGB

Secretary - SCCARA

Board Meeting, May 15, 2017



7:27 PM

Attendance: KF6FNA - Gregg Lane; K6GKB-Goetz; KA6YMD - Wally; K6PBQ-Don Village; WA6QYS-Lou Stierer; KE6KXO-Clarke Murphy; KI6ZSK-James Rustermier; KK6VGB-Praveen Akunuru

Visitors: KK6HWN-Paul Gorny; WB6YRU-Gary

Announcements:

SVECS FLEA market June 10, 2017

SCCARA club station open May 27, 2017

Field Day -

Picnic in August

Secretary's report:

Meeting minutes read. Revised minutes to be sent to BOD.

No new communications.

33 members - Needs to be reconciled.

President's report:

There is a possibility of we setting up another table at the Flea Market.

June 12th Field day.

Newsletter :

We need to make an announcement well in advance so that members get a chance.

BBS:

220 port is working again without any intervention.

Trustees Report:

Paul queried if anyone checked with Fred on Logbook of the world. Gregg will speak to Fred regarding this.

Paul and Ned will get together in August to work on SCCARA Yahoo groups.

Special Committees:

Repeater is working as expected.

Don Anastasia is working on the controller.

Gary passed on the locks to be installed on the 440 repeater cabinet. To do list.

Field Day:

Goetz offered his property for the club field day. Thank you.

We need to find the water hose bib using a metal detector.

Radios - We have sufficient radios.

Stations:

Voice - Gregg

CW / Digital - Don Village / Lou

GOTA - Wally

UHF / VHF - Gary

Porta Poti - Location & Delivery Date / Pick up date. - Can be put on the Drive Way.

BBQ / Fire Extinguishers ? (PIZZA Delivery?) - Keep it simple.

Logging / Scoring / Submitting - Gregg to bring a laptop.

Media / Advertising

Antennas / Trailer ?

Parking?

Grass / Weeds / Safety

Spend Night / Shift Sign ups

Tear Down / Cleanup

Old Business:

Flea Market Sales - At the flea market, we made sales of \$147.

Considering \$30 fee, we made a profit of \$117.

Sales Table June - Give members first bid.

New Business:

Changes in our Property List. Gary is updating it.

SCCARA sign's at the hospital - We may need another set

Signed

Praveen Akunuru, KK6VGB

Secretary - SCCARA

Packet Pieces

Downloaded from the BBS packet network:

=====

Date: 4 May 2011 10:25

From: W1GMF@W1GMF

To: HUMOR@USA

Subject: Differneces between OM's and XYL's

An OM will pay \$2 for a \$1 item he needs.

An XYL will pay \$1 for a \$2 item that she doesn't need.

A YL worries about the future until she gets an OM.

An OM never worries about the future until he gets an XYL!

A successful OM is one who makes more money than his XYL can spend.

A successful YL is one who can find such a man!

SCCARA (club inner workings): K6PBQ, WB6YRU, WA6QYS

EchoLink: KK6MX

License testing, new amateurs: W6JPP

Contacts:

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

KK6MX, Don Apte, 408-629-0725 e-mail: kk6mx@aol.com

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

Holiday Lunch

Last year we had to cancel our lunch due to lack of sign-ups. This year the board would like to try to have the luncheon back again. We have a tentative reservation for Saturday Dec 16 at Michael's at Shoreline in Mountain View. We must have a minimum of 25 paid lunches by Monday, August 28th in order to confirm our reservation. See the sign up form (below).

73, Don Village K6PBQ

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 from the club secretary.

Topics:

Antennas, feed-lines, tuners: NV6W, W6JPP, K6PBQ

Lightning protection, grounding: WB6YRU

Station set-up, equipment: K6PBQ, W6JPP

TVI/RFI: WB6YRU

Homebrew projects, construction: WB6YRU

Packet Network (BBS, forwarding): WB6YRU

Code operating and installations: NV6W, K6PBQ

DX (long distance/propagation): NV6W

Emergency operating/preparedness: WA6QYS

HF operating techniques (SSB, CW): NV6W, K6PBQ

Legal/FCC rules: WB6YRU

Newsletter Notes

In the news from the ARRL Letter (above) is an article about a proposed band plan for 472 - 479 kHz. Those numbers are similar to those we're familiar with in the 70 cm band. But notice it's kHz, not MHz. It's an easy mistake to make... I've done it twice. ☺

I think they're being a little generous to CW at the expense of other modes. There's nothing for beacons and I imagine people would be more interested beacons here than in most other bands. I'd slide digital down a little too. One the other hand, it's a small segment--just 7 kHz. There's not a lot of wiggle room.

But at least 7 kHz is better than the tiny sliver of a segment we're due to get at 2200 m, 135.7-137.8 kHz. 2.1 kHz isn't enough for even one SSB QSO. I don't see why they're being so stingy. Now that all the LORAN beacons have been phased out, they could do better than that.

73, Gary WB6YRU, editor

December Luncheon Sign-up

Our annual December meeting will be a luncheon on Saturday, December 16, at 12 noon. This year our luncheon will be at Michael's at Shoreline, 2960 North Shoreline Blvd in Mountain View. You have a choice of three entrees, \$30 each. We need your **paid** reservations (this form) no later than Monday, August 28. I hope to see you all there!

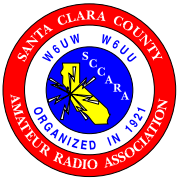
73, Don Village K6PBQ

For the annual meeting in December, sign me up for the following lunch(es) at \$30 each:

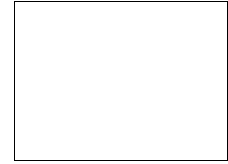
_____ Roast beef English cut _____ Chicken Cordon bleu _____ Broiled Salmon

Name: _____ Call _____ Total for lunch(es) \$ _____

Give this form (or copy) with payment to the treasurer, or mail to: SCCARA, PO Box 106, San Jose CA 95103-0106



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



FIRST CLASS

ADDRESS SERVICE REQUESTED

SCCARA Membership Form for 2017

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

Name: _____ Call: _____ Class: _____
 Address: _____ Licensed since (yyyy): _____
 City: _____ State: _____ Zip: _____ Licence Expiration
 Date: (mm/dd/yyyy): _____
 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, which is \$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.