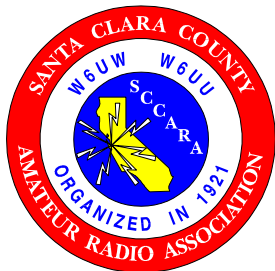


SCCARA-GRAM



Santa Clara County Amateur Radio Association

Volume 27, Number 11

November 2011



President's Prose

Pacificon has come and gone—sounds like the title for a new tune. It was great to have the convention in Santa Clara this year. Nice facility, better swap meet location, and 50 miles closer to home. I always enjoy attending the technical forums, particularly the Antenna Seminar on Friday. I also attended the Saturday evening banquet for the first time. The vendor exhibits are always interesting and for once I didn't leave any money behind, although I was tempted. My favorite presentation on Saturday was on the Softrock SDR (software defined receiver) design by Tony Parks. I've been following his website with great interest for a couple of years now. You might recall that John Westmoreland (AJ6BC) brought one of the SDR transceivers to our meeting last month.

One of the Pacificon speakers (I believe it was Jack Morgan, KF6T, speaking on station automation) diverged onto the subject of creating more interest in ham radio among the younger crowd. One of his recommendations was that we strive to become more visible as a body of technical experts and mentors rather than just radio appliance operators. One possibility that he advanced was for us to become more involved with the Maker Faire program as aides or consultants. If any of you have some other suggestions, speak up. Jack also pointed out that there are a very few hams that project a bad image due to poor personal hygiene and slovenly appearance—for which he offered some unpleasant personal experiences—which doesn't help our case.

Election of officers and directors takes place at the November meeting. So far, the only candidates are the incumbents, except for the office of treasurer that has no candidates. I'm concerned that perhaps the membership feels that the current officers and directors are so entrenched that there is no hope of someone 'new' being elected. The truth is, some of us wouldn't mind stepping aside to give someone else a chance to volunteer their time and energy. As I've said before, self-nominations are encouraged, as well as nominations of other members in SCCARA.

While I was writing this, an email from the CQ Newsroom arrived. There were several items of interest:

- The U.S. ham radio population exceeded 700,000 for the first time (700,221 as of 9/30/2011).
- December marks the 50th anniversary of the launch of OSCAR-1 (Orbiting Satellite Carrying Amateur Radio).
- David Caouette, N6DAC, was one of the eight people killed in the shooting spree at a Seal Beach beauty salon on October 12
- The FCC fined David Perla, KA3PRB, of Lewiston, Tennessee, \$17,000 for causing interference on Marine Channel 16.

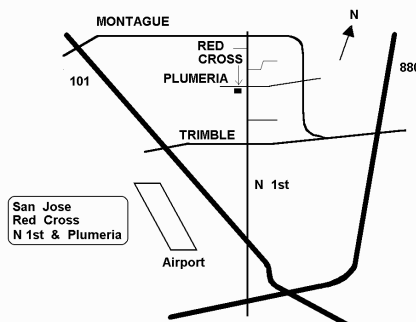
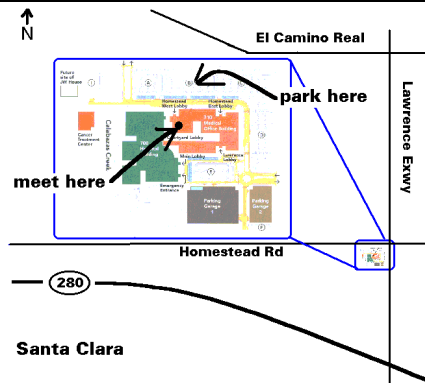
If you have a Technician Class license and would like to try HF, now is the time. The 10 meter band is starting to open up

Calendar

- 11/14 SCCARA General Meeting—elections
- 11/19 SCCARA Club Station—Sweepstakes
- 11/21 SCCARA Board Meeting--(San Jose Red Cross, 7:30p, all are welcome)

General Meeting

- Day: Monday, Nov. 14, 2011
Time: 7:30 PM
Place: Kaiser Santa Clara, Rm 196.1
Featuring: club elections, Fred Townsend, AE6QL: BPL Revisited



The **SCCARA-GRAM** is published monthly by the **SANTA CLARA COUNTY AMATEUR RADIO ASSOCIATION**, PO Box 106, San Jose CA 95103. 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: <http://www.qsl.net/sccara>.

OFFICERS & DIRECTORS

(all officers are also directors)

President	Don Steinbach, AE6PM	867-3912
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	e-mail: john_glass@att.net	
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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 (Mt Umunhum). User ports: 144.93 (1200 baud), 433.37 (9600 baud), telnet sun.n0ary.org (login "bbs"). Sysop: Gary Mitchell, WB6YRU (packet info: www.n0ary.org/ncpa)

TELEPHONE NUMBERS

SCCARA contact Clark KE6KXO:	408 262-9334
ARRL/VEC Silicon Valley VE group, Morris Jones, AD6ZH:	408 507-4698

now and you can operate from 28.300 to 28.500 MHz using SSB voice and 28.000 to 28.300 using RTTY and data. Also, don't forget the 2 meter FM net on Monday nights, and the 10 meter SSB net (28.385 MHz USB) on Thursday nights. Anyone who has a license can join in.

73, Don, AE6PM



Secretary Says

Dear club members,

I'd like to thank everyone for their patience while I've been gone so much this year for family medical issues. I am still assessing whether I can in good conscience be a candidate for this office this next year.

I have been working on the new database. If you have seen or see in the future any problems with the mailing list data, please let me know. I will find some way of getting all the data in the database verified with you, probably in the form of printed roster sheets. If you come to the club meetings or the Christmas luncheon (hint, hint :-), we can do this in person. It is time to renew for next year anyway. I'd like to thank Bob N3FAW for all his help on the new database earlier this year before my absence. Any errors will be mistakes I've put in since.

Thanks, Viki

December Meeting

Our annual Christmas meeting will be a luncheon on Saturday December 17 at 12:00 noon. This year our luncheon will be at the Creekside Inn 544 W. Alma Ave, San Jose (one block west of Hwy 87).

This year we will be having a gift exchange. The way it works is that everyone brings a wrapped gift suitable for a man or women costing about \$10.00. This type of gift exchange is always a lot of fun to participate in.

Reservations need to be in by Friday Dec. 9th (see sign-up sheet). Talk-in will be on our repeater. W6UU, 146.985-. Why not renew your membership at the same time. Looking forward to seeing all of you there.

73, Don Village K6PBQ

Sweepstakes

SCCARA will operate the sweepstakes contest from our club station at the San Jose Red Cross. In November the ARRL has two sessions for sweepstakes. On Saturday Nov. 19 at 1:00pm we will operate the phone portion. These are great contests to operate as a club activity. So lets all make these fun contests for our club.

73, Don Village K6PBQ

HAM of the Year



Don Steinbach (AE6PM) received the ARRL Pacific Division Ham of the Year award at Pacificon 2011. The award was presented by Christina Sand, WO1NDR, at the Saturday Evening Banquet.

Speech by Christina San WO1NDR and Rob Vance, N6ROB at the 2011 Pacificon Banquet

Good evening. I am Christina Sand, WO1NDR. Tonight I'd like to ask you, "What makes a great Amateur Radio Operator?" There are undoubtedly many ways to answer this question; however, I would suggest to you the following criteria:

- Service
- Leadership
- Creativity
- Excellence

Tonight I present to you someone who has advanced the art and science of Amateur Radio in all of these areas.

As you all know, the Amateur Radio Service is a SERVICE. We have the largest bandwidth on the airwaves because of our commitment to public service. Tonight's honoree more than fills the bill. He is an Assistant Emergency Coordinator. He has participated in his local CERT program, helping to formulate a communications plan and coordinating frequencies between the city, community college, local schools and CERT teams. He tested numerous FRS/GMRS radios to find the best model for CERT use. He has been indispensable in helping to plan and manage CERT and amateur radio communications drills. He has conducted the EOC to EOC net as well as coordinated the local net. His local emergency services coordinator has said that "In five years, the emergency management program has grown by leaps and bounds. Credit belongs to many, but first and foremost to this ham."

This ham has volunteered countless hours of his time as a Volunteer Examiner as well as organizing and teaching Technician License exam classes. He has brought hundreds of new operators into amateur radio. I have taught some of these classes with him and it is always a great relief to me to know that he is in the room to take any question to which I don't know the answer. Not satisfied with merely licensing new hams, tonight's honoree has taught new hams how to use their radios and to be better operators.

Courage to pursue a vision and inspiring the community to follow that vision is LEADERSHIP. This ham has stepped up to the plate, not once, but time and time again. He serves as an officer in several amateur radio organizations around the South Bay. As many of you undoubtedly know, LEADING an amateur radio organization can sometimes be like herding cats. Ham radio clubs and their personalities can be a challenge. He quietly sidesteps the politics and personalities and just gets things done, and always with a smile. He quickly earns the respect of everyone who gets to know him, causing some to wonder, Can he be cloned?

Mentoring is another form of leadership. Tonight's honoree has mentored several hams, including teaching them how to build their own antennas, looking over their shoulder while they build their own radios from a kit, teaching them how to solder Anderson powerpole connectors, and much, much more.

A great ham is CREATIVE. This ham has shared his technical expertise in circuit design and antenna modeling, by writing articles for local newsletters, presenting topics at meetings as well as in the application. He designed and built an automatic back up power switch for his local repeater. He has helped with antenna installations. He helped to design and build Saratoga's EOC radio station. Broken radios in our community have always found a place on his workbench. His equipment room is quite literally breathtaking, not to mention jaw dropping and eye popping! And yes, I have no doubt that he really knows how to use all that stuff!

In everything he does, this ham personifies EXCELLENCE. He never pursues the lesser, easier alternative, where there is a better, right way of doing something. The virtue of patience that I mentioned earlier is key. I've never seen him hurry a project just because he wanted to be done with it. He always takes the time to do it right and his solutions are always elegant.

Amateur radio is both technology and COMMUNITY. We might be geeks, but we're geeks who like to talk! By definition, two-way communications creates community—our technology and relationships should be inseparable. Tonight's honoree is a person that you enjoy being around—you miss him when he's not there, whether it's on the net, at our Friday lunch gatherings or at meetings. I—and many others—count his friendship as a great blessing. He displays a selfless commitment to his family and even during times of great personal loss he has still found time to help others.

Ladies and Gentlemen I am honored to present the Pacific Division's Ham of The Year Award for 2011 to Don Steinbach, AE6PM

ARRL News

From *the ARRL Letter*, October 6, 2011

WRC-12: EUROPEAN PROPOSAL FOR AMATEUR SECONDARY MF ALLOCATION CLEARS IMPORTANT HURDLE

In preparation for the 2012 World Radiocommunication Conference (WRC-12, www.itu.int/ITU-R/index.asp?category=conferences&rlink=wrc-12&lang=en), the CEPT Project Team

C (www.cept.org/ecc/groups/ecc/cpg/cpg-pt-c) approved a draft European Common Proposal (ECP) for an 8 kHz-wide band between 472 and 480 kHz at its September meeting. The draft ECP will now go to CEPT's Conference Preparatory Group for formal ratification in November. This breakthrough -- at the 11th and final meeting of the project team--occurred with the submission by the UK's Ofcom of an RSGB-drafted compromise ECP proposal that is also supported by France and Sweden.

Agenda Item 1.23 calls for WRC-12 delegations to consider an allocation of about 15 kHz in parts of the band 415-526.5 kHz to the Amateur Service on a secondary basis, taking into account the need to protect existing services. "While an 8 kHz allocation does not fully meet our objective of 15 kHz, having a European Common Proposal for an amateur allocation is a major step toward possibly achieving one at WRC-12," said ARRL Chief Executive Officer David Sumner, K1ZZ.

According to Colin Thomas, G3PSM, the prospect of an agreed CEPT position is good progress, representing a 48 country block vote going into next year's WRC-12. "It needs to be noted that the draft ECP comes with significant caveats to avoid interference to the primary user, as well as the existing secondary user services," he explained. "These are the maritime and aeronautical radionavigation services, respectively. As secondary users, we would also not be afforded any protection. It should be acknowledged that we have had support from a number of Region 1 IARU Member-Societies in getting to this position." Thomas is the CEPT Coordinator for this agenda item.

From *the ARRL Letter*, October 13, 2011

US AMATEURS NOW 700,000 STRONG!

As the third quarter of 2011 came to a close, ARRL VEC Manager Maria Somma, AB1FM, began calculating the number of licensed Amateur Radio operators in the US, as well as the number of new licensees. "At the end of September, I saw that the number of hams in the US was high," she said. "When I started comparing that number with other years, I found that it was an all-time high." For the first time, there are more than 700,000 radio amateurs in the US.

"When looking at the three current license classes--Technician, General, and Amateur Extra--these numbers are impressive," Somma explained. "The number of Technicians peaked in March 2011 at 342,572, while in September 2011, we saw both Generals and Extras peak at 159,861 and 125,661, respectively. As new Technicians earn their Amateur Radio licenses, and current Technician licensees move on to General and Generals upgrade to Extra, this can cause up-and-down fluctuations for these totals." Read more at www.arrl.org/news/us-amateurs-now-700-000-strong.

From *the ARRL Letter*, October 27, 2011

FCC TIGHTENS BPL INTERFERENCE RULES--BUT NOT BY ENOUGH

On October 24, 2011, the FCC released the Second Report and Order in its proceeding--now in its 9th year--to adopt rules for Access Broadband over Power Line (BPL) systems. The Second Report and Order is the final step in the Commission's effort to comply with the directives of the United States Court of Appeals for the District of Columbia Circuit, which in April 2008 ordered the FCC to correct errors it had committed in the course of adopting rules in 2004. The Court acted in response to a Petition

for Review filed by the ARRL.

In July 2009, the FCC issued a Request for Further Comment and Further Notice of Proposed Rule Making in which it proposed slight modification of measurement standards for determining whether a BPL system is in compliance with the maximum allowable levels of radiated emissions. In response, the ARRL argued that coupled with a scientifically valid extrapolation factor for determining those levels, mandatory notching of the amateur bands to a level 35 dB below the general emission limit would reduce the likelihood of harmful interference to amateur stations to a level that would permit any remaining harmful interference to be remedied on a case-by-case basis. The ARRL noted that its request for mandatory notching simply reflected the best practices of the BPL industry.

In the Second Report and Order, the Commission decided not to adopt its own proposal and also declined to adopt the ARRL's request for mandatory notching. Instead, the Commission has increased the requirement for BPL systems to be able to notch frequency bands to at least 25 dB, an increase of 5 dB from the existing requirement of 20 dB. The Commission also made technical adjustments to its rules for determining the distance between a power line and a measurement antenna and for determining site-specific extrapolation factors. Read more at www.arrl.org/news/fcc-tightens-bpl-interference-rules-but-not-by-enough.

Meeting Minutes

General Meeting, Oct. 10, 2011



Kaiser Hospital 710 Lawrence Expy., Santa Clara, CA. 95051

Don Steinbach, AE6PM, called the meeting to order at 1940 hrs. There were 27 members and guests present.

Announcements:

Pacificon October 14-16. SVECS Quarterly Breakfast October 29. CQ World Wide SSB Contest October 29-30. ARRL November Sweepstakes (CW) November 5-7. ARRL November Sweepstakes (Phone) November 19-21. KKUP fundraiser November 24.

Business Items: Fred (AE6QL) announced that soldering (kit building) and Extra Class license classes are under consideration.

Nominations from the floor for Officers and Directors were as follows: Director Lou Steirer (WA6QYS), Director Wally Britten (KA6YMD), Director Jeannie Felix (KG6YOR), Director Gary Mitchell (WB6YRU), Treasurer None, Secretary Viki Moldenhauer (KI6WDS), Vice President, Fred Townsend (AE6QL), President Don Steinbach (AE6PM) Joe Castellano (W6SNV) agreed to accept additional nominations and coordinate the election activity.

Program: The program for the evening was Home Brew Night. Six members had items to show: 1. Gregg Lane (KF6FNA), 9:1 balun. 2. John Westmoreland (AJ6BC), Softrock RXTX Ensemble SDR transceiver. 3. Fred Townsend (AE6QL), Power cord with choke and Powerpole connectors, 5 watt solar panel and controller, power supply (Power-X) and battery, and Elecraft K3 with panadaptor. 4. Goetz Brandt (K6GKB), Loading coils constructed from PVC pipe and coax. 5. Gary Mitchell (WB6YRU), Motorola Mitrek transceiver. 6. Don Steinbach (AE6PM), Rubidium oscillator frequency standard and drive-on portable antenna mount.

The meeting adjourned at 2138 hrs.

Don Steinbach, AE6PM President

Board Meeting, Sept. 19, 2011



Red Cross Building, 2731 N 1st St, San Jose CA Status: Unreviewed

The SCCARA Board Meeting was called to order by Don AE6PM at 1942 hrs.

Attendance: President Don Steinbach, AE6PM; Vice President Fred Townsend, AE6QL; Treasurer John Altieri, W6HW; Trustee Don Village, K6PBQ; Directors: Lou Steirer, WA6QYS; Wally Britten, KA6YMD; Gary Mitchell, WB6YRU; Gregg Lane, KF6FNAP

Absent: Secretary Viki Moldenhauer, KI6WDS; Director John Glass, NU6P.

Visitors: Gwen Steirer, KF6OTD; Clark Murphy, KE6KXO

Announcements: Don AE6PM announced that the SCCARA-GRAM inputs are due to Gary no later than September 26.

Treasurer's Report: Checking = \$3788.75; savings = \$3847.30; cash = \$187.85 for a total of \$7823.90.

Secretary's Report: Minutes of August meetings were reviewed. There were no additions or corrections.

Vice President: The program for the next General meeting hasn't been determined. Possibly homebrew night.

Business Items:

- An alternate site for the W6UU 2-meter repeater has been identified and visited by several members. Lou (WA6QYS) made a motion, seconded by Gregg (KF6FNA), to move ahead with the purchase of a Kenwood TKR-750 or equivalent repeater. Lou made the point that this discussion has been going on for months now with no closure. It was also pointed out by Gary (WB6YRU), Gregg (KF6FNA) and others we have almost everything else we need (mast, antenna, duplexer, controller and cabinet are all available at no cost). Fred (AE6QL) felt that we should spec the system as if for bids and see if the vendor could supply a duplexer and circulator, instead of using our duplexer and not adding a circulator. Fred agreed to return with specifications and cost at the next Board meeting. Lou withdrew his motion.

- Lou (WA6QYS) and Gregg (KF6FNA) finished painting the Club storage lockers at Clarks (KE6KXO) QTH. Additional expenses of \$24 were incurred for pest control. Fred (AE6QL) moved and Don (K6PBQ) seconded that the Club reimburse Lou/Gregg \$24. Motion passed unanimously.

- John (W6HW) confirmed that the Club donated \$80 to AMSAT.

- Lou (WA6QYS) and Gregg (KF6FNA) stated that there were no additional expenses for the August picnic.

- The possibility of selling the 'old' generator that failed on Field Day was discussed. Fred (AE6QL) made a motion, seconded by Lou (WA6QYS), to sell the generator as-is. Motion passed unanimously.

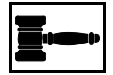
- The possibility of purchasing a new generator, a Honda EU2000i, was discussed. Fred (AE6QL) moved to authorize funds to purchase the generator. The motion was seconded by Lou (WA6QYS) and was passed unanimously. Clark (K6KXO) agreed to check pricing and local availability.

- Our new P.O. Box number is 106.

The meeting was adjourned at 2035 hrs.

Don Steinbach, AE6PM, President.

Board Meeting, Oct. 17, 2011



Red Cross Building, 2731 N 1st St, San Jose CA Status: Unreviewed

The SCCARA Board Meeting was called to order by Don AE6PM at 19:42.

Attendance: President: Don Steinbach AE6PM; Vice President: Fred Townsend AE6QL; Secretary: Viki Moldenhauer KI6WDS; Trustee: Don Village K6PBQ; Directors: Lou Steirer WA6QYS, Wally Britten KA6YMD, Gary Mitchell WB6YRU, Gregg Lane KF6FNA; Visitors: Gwen Steirer KF6OTD; Excused Absence: John Altieri W6HW, John Glass NU6P.

Announcements: Don AE6PM announced the SCCARA-gram inputs are due to Gary WB6YRU no later than October 31, 2011.

There was no Treasurer's Report.

Secretary's Report: There were no minutes to review.

Vice President's Report: Fred AE6QL has 3 speakers lined up for 2012. So far no one is confirmed for November.

Old Business:

- Fred AE6QL reported on the Kenwood NXR700: there were issues with the documentation that raised more questions than answers. More details to follow.

- Red Cross HF Antenna project: Nothing to report.

- Replacement generator for Field Day: Don AE6PM will take an action item to pursue a local price for the 2KW Honda generator EU2000i.

New Business: The club received a package from AmSat in response to our donation, including the AmSat Journal, frequency charts (an expected CD was not found, still looking for it). The package was given to Don K6PBQ to keep at the station.

Station Trustee's Report: Don K6PBQ announced several dates: Oct 29 after the SVECS breakfast, the station will be open for the CQ Worldwide SSB contest, and in November for the ARRL Sweepstakes contest: the CW contest on Nov 5 starting at 2pm; the SSB contest on Nov 19 starting at 1pm. The station will not be open the last Saturday in both November and December because of the holidays. December 17th is our Christmas luncheon, and members are encouraged to send in their reservations and dues for next year at the same time. Don also mentioned he operated the CA QSO Party with Clark KE6KXO and Gregg KF6FNA, both CW and phone and all had a great time; he would like to see more people coming in to operate at the station. Lou WA6QYS worked England for the club DXCC on 20m before the net tonight, and also recently Tahiti.

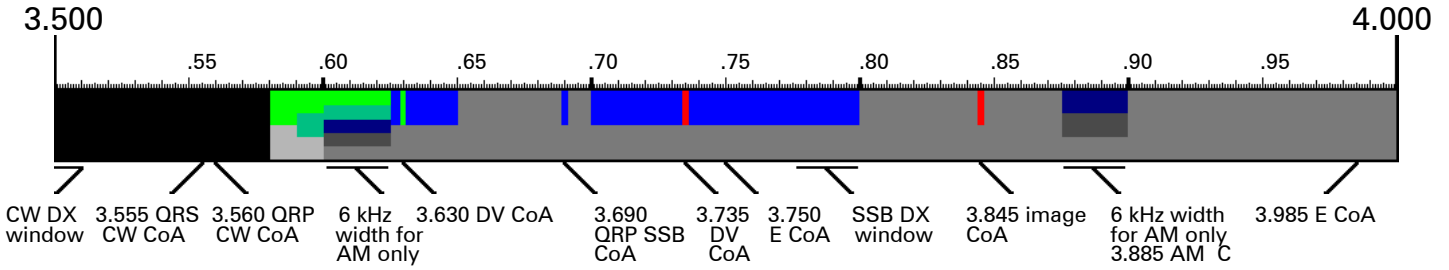
Editor's Report: Gary WB6YRU would be glad to see articles for the newsletter.

N0ARY BBS Report: Gary WB6YRU has the new 6m vertical antenna installed.

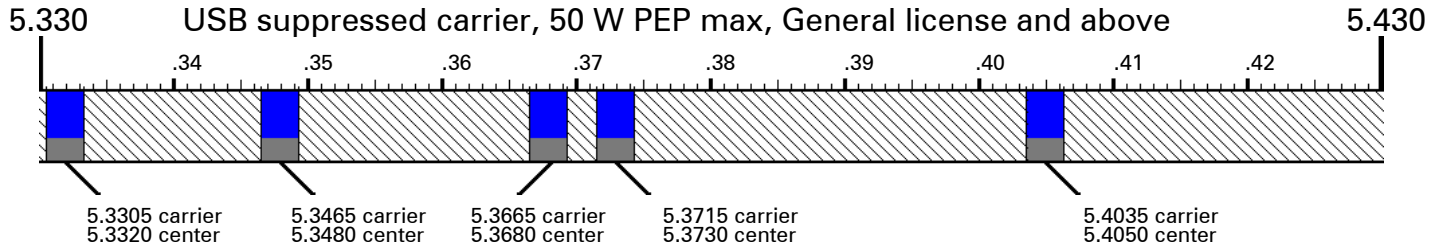
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HF Band Plan

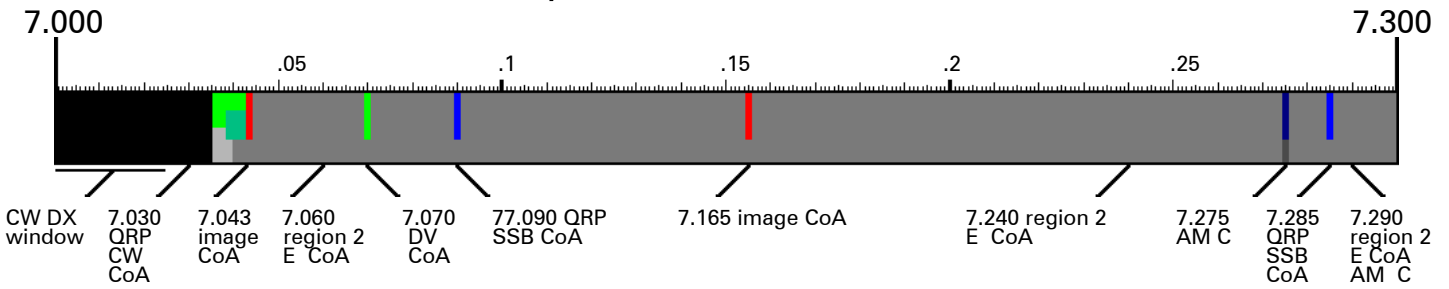
80 M, 3.500 - 4.000 MHz



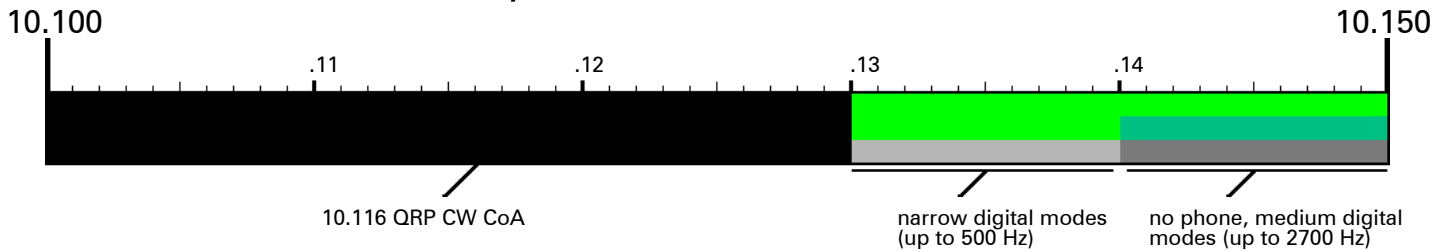
60 M, 5.332 - 5.407 MHz



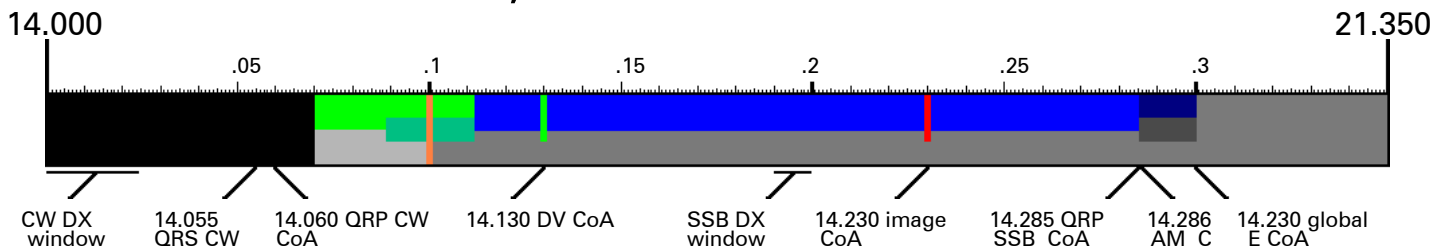
40 M, 7.000 - 7.300 MHz



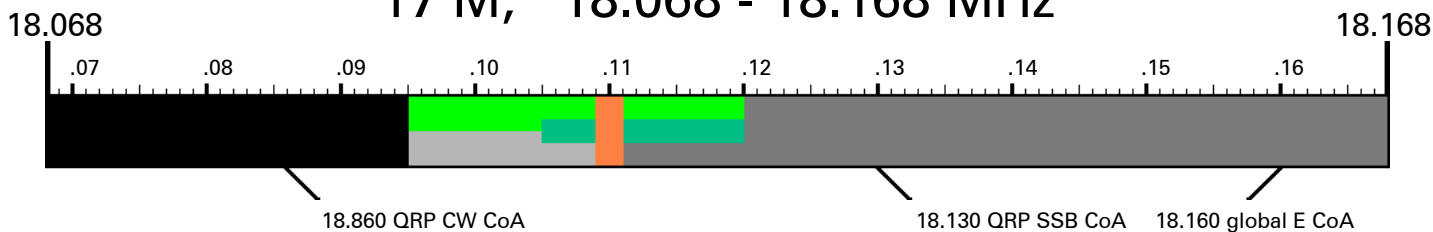
30 M, 10.100 - 10.150 MHz



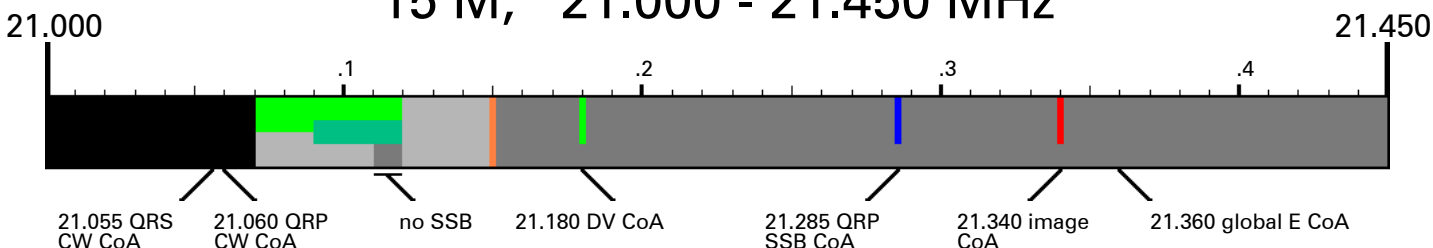
20 M, 14.000 - 14.350 MHz



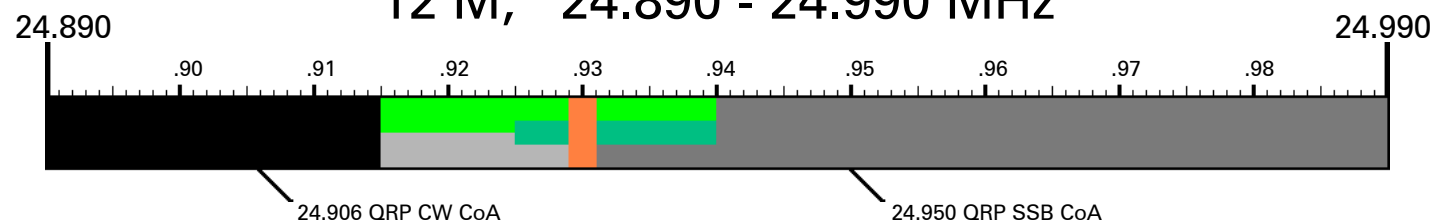
17 M, 18.068 - 18.168 MHz



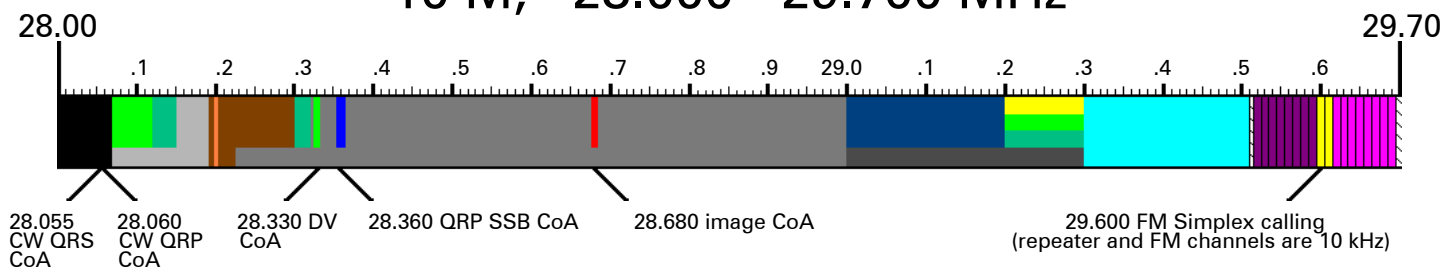
15 M, 21.000 - 21.450 MHz



















12 M, 24.890 - 24.990 MHz



10 M, 28.000 - 29.700 MHz



 AM	 Guard band (no TX)
 Beacons	 Phone (non-FM, SSB)
 NCDXF Beacons	 Repeater input
 CW	 Repeater Output
 Digital (RTTY, data)	 Satellite (downlinks)
 Digital Automatically controlled	 Modes up to 500 Hz wide
 Image (FAX, SSTV)	 Modes up to 2.7 kHz wide
 FM Simplex	 Modes up to 6 kHz wide

CoA – Center of Activity
DV – Digital Voice

C – Calling
E – Emergency communications

References: IARU, HF band plan for region 2, effective Jan. 1, 2008 <www.iaru-r2.org/band-plan>
ARRL <www.arrl.org>
Beacons: NCDXF <www.ncdxf.org/beacons.html>

Typical Digital and Image Usage

These frequencies were gathered from several sources, there's no guarantee it is complete or accurate. This list is intended to serve as guidelines as to where activity in each mode might be found.

	AMTOR	CLOVER	MFSK16	MT63	PACKET	FACTOR	PSK31	RTTY	THROB
80 M	3.618, 3.620 3.622, 3.625	3.628 3.630	3.580 3.584	3.590 3.635	3.594 3.598 3.607	3.585, 3.611 3.618, 3.620 3.622	3.58015 3.582	3.550-3.650 3.590	3.580
40 M	7.076 7.1005	7.066 7.067	7.037 7.740	7.035 7.037	7.038, 7.0865 7.091 7.1005 †	7.045 7.060-7.080	7.035 7.08015 7.1032 ‡	7.077-7.090 7.040 7.080	7.037
30 M	10.126 10.128	10.137 10.143	10.137-10.14 10.147 10.148	10.140	10.141 † 10.145, 10.149 10.147 †	10.130-10.140 10.145	10.130 10.1389 ‡ 10.140 10.14215	10.130-10.140	10.147 10.148
20 M	14.065-14.085 14.0715 14.076, 14.098	14.067 14.114	14.075 14.080	14.106 14.109 14.114	14.098 †, 14.102, 14.105 14.108	14.060-14.080 14.080, 14.111 14.780	14.07015 14.097 ‡	14.070-14.095	14.075 14.080
17 M			18.105	18.105	18.106 18.108	18.100-18.110 18.095, 18.113	18.10015 18.1039 ‡	18.100-18.109	18.105
15 M			21.080	21.130	21.096 21.098	21.060-21.080 21.080	21.070 21.08015 21.1188 ‡	21.070-21.120	21.080
12 M			24.929	24.925	24.926 24.928	24.925	24.92015	24.920-24.929	24.929
10 M			28.080	28.130	28.102 28.104	28.080-28.120 28.110	28.12015	28.070-28.150	28.080

† packet BBS forwarding

‡ PSK31 beacons

RTTY or AMTOR: Listed frequencies are with the MARK tone. MARK is the low tone, SPACE is the high tone. The dial frequency is the carrier. To set the listed frequencies with the MARK tone: on LSB **add** the MARK frequency to the carrier frequency to get the dial frequency, and for USB **subtract** the MARK frequency from the carrier frequency to get the dial frequency.

	FAX	Hellschreiber	SSTV
80 M	3.730-3.740	3.574-3.584	3.730 , 3.840, 3.845, 3.857
40 M	7.035-7.045	7.037, 7.077-7.084	7.035-7.045, 7.170, 7.171, 7.172
30 M		10.137	
20 M	14.230	14.063-14.069, 14.0635 , 14.074	14.230, 14.233, 14.236
17 M		18.103, 18.104	
15 M	21.340	21.063, 21.074	21.340
12 M		24.924	
10 M	28.680	28.074, 28.12015	28.680, 28.690, 28.700

FM Repeater Pair

Output	Input
29.620	29.520
29.630	29.530
29.640	29.540
29.650	29.550
29.660	29.560
29.670	29.570
29.680	29.580
29.690	29.590

FM Simplex

29.600	calling
29.610	

Repeater Chairman's Report: Wally KA6YMD said the repeater is working although there were intermittently odd sounds on 440.

Web Masters Report: Wally KA6YMD is publishing what he receives.

Future Actions: Upcoming elections: Nominations were held last meeting, with Lou WA6QYS, Wally KA6YMD and Gary WB6YRU running for directors, Viki KI6WDS for secretary, Fred AE6QL for Vice President, and Don AE6PM for President. So far no one is running for Treasurer. Joe Castellano will look into more candidates.

Membership: Lou WA6QYS asked how membership this year compared to last. He mentioned the club used to send out solicitations for new hams in the database (upgrades and new licensees). It was unknown how fruitful this was. Discussion included FARS having literature at Pacificon, our possibly putting SCCARA-grams on tables at the Marriot next year, having a one-page writeup to make available at HRO and hand out at Don's new ham test sessions. Viki KI6WDS will look for a welcome package in the Secretary's archive; this will need updating.

Ham of the Year Award: Lou WA6QYS mentioned that at the Pacificon Banquet, the Ham of the Year Award was presented to our own Don AE6PM; Congratulations, Don! Viki KI6WDS will contact Christina Sand to get the speech to run in the SCCARA-gram.

Don AE6PM adjourned the meeting at 20:40.

Viki Moldenhauer, KI5WDS, Secretary

Lightning protection, grounding: WB6YRU
Station set-up, equipment: K6PBQ, W6JPP
TVI/RFI: WB6YRU
Homebrew projects, construction: KD6FJI, WB6YRU
Computers: older IBM PC: WB6YRU
Packet Network (BBS, forwarding): WB6YRU
Code operating and installations: WB6EMR, K6PBQ
DX (long distance/propagation): WB6EMR
Emergency operating/preparedness: WA6QYS
HF operating techniques (SSB, CW): WB6EMR, K6PBQ
Legal/FCC rules: WB6YRU
SCCARA (club inner workings): K6PBQ, WB6YRU, WA6QYS
EchoLink: KK6MX

WB6EMR, James D. Armstrong, Jr.,
evening & msg: (408) 945-1202

KD6FJI, Lloyd DeVaughns,
(408) 225-6769 e-mail: kd6fji@arrl.net

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

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 including who to contact for each. 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.

Antennas, feed-lines, tuners: WB6EMR, W6JPP, K6PBQ, WB6YRU

Newsletter Notes

First of all... Congratulations, Don!
This issue continues with the band plan charts. We've finished with the upper bands, now on to the lower bands.
The HF charts in this issue include tables of typical usage. Those aren't cast in stone, just what I've been able to find out from multiple sources. If anyone has corrections or information that would be good to include, please let me know.

73, Gary WB6YRU, editor

December Meeting Luncheon Sign-up

Annual December Meeting Sign-up Our annual December meeting will be a luncheon on Saturday December 17th, At Creekside Inn 544 W. Alma Ave, San Jose. We will have a choice of three entrees, \$28.00 each. Reservations need to be in by Friday December 9th. See December meeting article for information on the gift exchange. Talk-in will be on our repeater, W6UU 146.985-. I'm looking forward to seeing all of you there. Why not renew your membership (back cover) at the same time .

73, Don Village K6PBQ

For the annual meeting in December, sign me up for the following lunch(es) at \$28.00 ea.

____ Coulette Steak ____ Chicken Marsala ____ Salmon

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

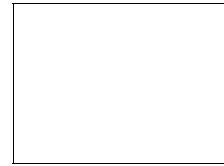
Give this form (or copy) with payment to the treasurer of Mail to SCCARA PO Box 106 San Jose, Ca. 95103-0106



SCCARA

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

Affiliate of the ARRL,
American Radio Relay League



FIRST CLASS

ADDRESS SERVICE REQUESTED

SCCARA Membership Form for 2012

If none of your info has changed, fill in name and call only

Name: _____ Call: _____ Class: E A G T N

Address: _____ Licensed since (yr): _____

City: _____ State: _____ Zip: _____ - _____ Licence Expiration
Date (mo/yr): _____

Telephone: () _____ New Member Renewal
 I'm also a member of the ARRL

E-mail: _____

Memberships begin January 1 and expire December 31.

If renewing: annual membership dues (base rate) are: \$20 Individual, \$25 Family, \$10 Student (under 18)

For new members:

If joining in January: base rate

If joining in February through October: base rate x (11 - month) x 10% (e.g. for June, that would be: base rate x 50%)

If joining in November or December: free for November and December if paying the base rate for the following year

\$ _____ **Dues payment for:** individual family student

For family memberships (at the same address), please include a separate form for each family member.

I want the newsletter by: U.S. Mail internet (make sure your e-mail address is legible and correct)

Give this completed form (or copy) with payment to the Secretary or Treasurer at any meeting or mail to the club address.