



**Publication of the
Northern California
Contest Club**



Issue 568

September 2019



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Presidents Report:

Another Pacificon has come and gone; let's take a look at the largest hamfest in our area.

The hamfest started out with its usual Antenna Seminar on Friday. Several NCCCers participated, including N6BT, K6WX, NA6O and KN3O. Tom presented an interesting discussion about towers, the various types, how to select and install (spoiler: it involves lots of money). Tom was followed by Chip, K7JA, a very entertaining speaker discussing the minimalist approach to moonbounce. W6NBC followed with an introduction to slot antennas, mostly at VHF and up, although John did discuss some interesting variations for use in the low bands. Kristen, K6WX discussed portable operation and how to have your operation not get too deep in the woods when you go into the woods to operate. Arguably, just one topic of interest to contesters so far. K6OIK followed with a very interesting discussion of dipole basics. Steve always goes in depth with the technical details, and this was no exception. The spoiler here is that resonance is not really where you want your dipole to be. Hmmm....

Gary, NA6O, gave a great talk on the travails of RFI with a not-so-nice neighbor (look for this really soon in an NCCC presentation), and Evan, KN3O, talked about antennas for SOTA operation. So the tally comes up to two or three topics for experienced contesters out of seven very interesting talks.

Saturday had many more forums, about all sorts of topics. An example is "Event planning 101: You want to do what? When? Where?". I am sure this was a very interesting topic, and if not held directly competing with Eric, WA6HHQ's talk about 21st Century transceiver design it might have been a must see (I'm actually serious here). Still, I am sure most of us would have gone to see Eric's talk. Where am I going with this? The forums were pretty bare when it comes to contest topics. There were no "Introduction to contesting" or "How to be a better contesteer" topic. That doesn't mean there were no topics of interest to contesters. K6UFO gave a very good discussion on building and operating a remote contest station. In fact there were two forums on remote station construction and operation. Also, tower construction was

NCCC November Meeting

When:

Sunday, November 10, 2019
11:30 AM to 1:30 PM

Where:

Cattlemens
2882 Kitty Hawk Rd, Livermore, CA 94551

What:

Gary, NA6O, on Extreme RFI: Neighbors, ARRL, FCC and Me

Sign Up [HERE](#)



Northern California Contest Club

Excellence In Amateur Radio Contesting

Officers:

President	Jack Brindle	W6FB	jackbrindle@me.com
Vice President /Contest Chair	Hank Garretson	W6SX	w6sx@arrl.net
Treasurer	Tom Carney	K6EU	treasurer.nccc@gmail.com
Secretary	Greg DesBrisay	N6GD	secretary.nccc@gmail.com
Past President	Bob Hess	W1RH	w1rh@yahoo.com
Director	David Jaffe	K6DAJ	k6daj@arrl.net
Director:	Bill Haddon	N6ZFO	n6zfo@arrl.net
Director:	Bill Fehring	W9KKN	bill+nccc@w9kkn.net

Volunteers:

New Member Mentor	Al Rendon	WT6K	wt6k@arrl.net
Charter Member	Rusty Epps	W6OAT	w6oat@sbcglobal.net
Awards Chair	Gary Johnson	NA6O	gwj@wb9jps.com
CQP Chair	John Miller	K6MM	k6mm@arrl.net
K6ZM QSL Manager	George Daughters	K6GT	k6gt@arrl.net
K6CQP,N6CQP,W6CQP QSL Mgr	Ed Muns	W0YK	w0yk@arrl.net
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Webinars	Bill Fehring	W9KKN	bill+nccc@w9kkn.net
JUG Editor			

Thursday Night Sprint:

The Northern California Contest Club sponsors Thursday evening (NA local time) contest practice sessions of 30 minute duration.

On the Thursday (and, sometimes Friday also) prior to a major contest weekend, the practice format follows the upcoming contest.

Generally, on other Thursday evenings, a special format is followed, called NS or "NCCC Sprint". The NS began in the summer of 2004 as a snappy, concise contest occurring most Thursday nights, North American time. The power limit is 100 watts.

Thursday Night Contesting Director and Founder	Bill, N6ZFO
NCCC CW Sprint	Tom, N3ZZ (initially, Ken N6RO)
NCCC RTTY Sprint	Ken, K6MR
NCCC Sprint Ladder	Bill, N6ZFO
Sprint Web master www.ncccsprint.com	John, K6MM.
non-NCCC:	Tim N3QE (Ladder Scores manager)
Thursday night Contesting Advisory Group:	N6ZFO, Bill (Chair)
	Mark K6UFO, (with W4NZ, N4AF, W9RE, K4BAI, N3BB and W0BH).
The Thursday night NCCC Net	Ken, N6RO

represented by not just the talk on Friday, but a good one by AI6MS on Saturday as well. In fact there were several forums of interest on Saturday including another must-see discussion by K6WX on SWR. But again, nothing on contesting, our favorite topic.

Sunday had several forums of interest, a four-hour marathon by K6OIK on antenna modeling (worth seeing, I learned quite a bit), a session on FT8 by JR1AQN, and one on antenna performance measurement by K8TE. Again, of interest to testers, but not specifically on contesting. Realize that when building and operating a contest station, we have



Ron, W8RJL, and Lee, KI6OY sitting at the table, talking to K6UFO, while an unknown visitor checks out the table

many interests. It is important to know how the latest high-performance transceivers work, how to get the last 1/8th of a db from our antennas and feedlines, and the ins and outs of operating with the new modes (like FT4/8), and Pacificon had several of these. But nothing that would teach someone not just why they might want to contest, but the proper way of doing it (such as not to say "Please Copy" unless your call is K6VVA. ;-)

As the premier contest club on the continent (ok, world), perhaps we might want to help out the folks at Pacificon and offer some contesting topics for next year. Planning and executing a large hamfest is a major effort. It takes a lot of people and a lot of time to bring about a fairly large convention of this sort, and the MDARC folks do a reasonable job of this each year. They offer the topics and talks they are presented with, choosing what they believe is the best mix for that year. Perhaps it is up to us to convince them that they need to bring some contesting topics (not just on Field Day) back into the forum listing. After talking with some of the folks, I believe they might appreciate the help.

About nine years ago NCCC did provide a lengthy contest forum at Pacificon. It was more for experienced testers, and not as well received as we expected. That doesn't mean we should not try again. It would be really great to have one

or two contesting forums at Pacificon, so why not try. For that matter, might it be worth while to work with the MDARC folks and schedule an NCCC meeting at Pacificon? Maybe not during the day, but perhaps on Friday evening.

By the way, NCCC did have a table at Pacificon. I really want to thank Vicky, N6KLS for arranging the table, right outside the vendor area containing the ARRL booth. We met and talked with many NCCCers on Saturday at the NCCC table, and introduced several hams (including some new ones) to contesting. I suspect we might see some new folks show up at our meetings in the near future. I will also admit, the table was a great place to park myself when there were no forums to grab my attention at the moment.

So what was my take on this year's Pacificon? I really enjoyed it. The talks I attended were well prepared and presented, and most were of interest. I will admit that while heavily tempted, I managed to not buy anything from the numerous vendors. Food? The chile-frito cup I discovered in the food area was really good. And best of all, the friends, both old and new, that I met (or made) were all the justification I needed for being there. And I came home with quite a bit of material for thought, and maybe some ways to make my station better. I would just have liked to attended a contesting forum or two. Maybe we can help with that next year!

On another topic, we still are looking for a more-permanent Jug editor to assemble this wonderful paper. The job isn't that bad, you don't need to write anything, unless you want to. We (the folks who provide the material) write the articles, and all you have to do is to assemble it into the proper format, then send it off for publication on the NCCC web site. John, K6MM does a wonderful job of making sure things work very well at the web site (thanks John!), so he is the one who receives the Jug when you go to "send it off". If you are interested, please drop me (W6FB) an email so we can discuss things.



Ron, W8RJL and Mark, K6UFO at the table

Vice-President / Contest Chairman Report:

Sweepstakes

Sweepstakes is not a focus contest this year. Our hope is to make SS a focus contest in 2020 to celebrate our Northern California Contest Club Fiftieth Anniversary and to win The Gavel.

This year, we hope everyone will do major SS efforts as prep for next year and to support your local clubs especially MLDXCC, which is going for yet another win in the Medium Club Category.

Here are some SS tips from N5KO.

Strategy for making 100k or more:

KW and beams—CQ for 24 hours.

KW and wires—CQ for 24 hours.

100 watts and beams—CQ for 24 hours.

Now some W6SX thoughts.

CQing is the name of the game. Received wisdom says signal-challenged stations should answer CQs early in the contest and maybe CQ toward the end.

I suggest just the opposite. At the beginning of the contest, everyone and his uncle is answering CQs. Your signal-challenged signal doesn't have much of a chance. If you are signal challenged, find a clear frequency up in the band and CQ. You will get more Qs than by banging your head against a wall answering CQs. Control speed by sending at a speed you are comfortable with. By CQing, you control things instead of being at the mercy of the big guns who are QRQ and answering the big signals first.

Later in the contest, you can power S&P and gets lots of quick contacts from stations desperately calling CQ.

Regardless where you stand on ID-every-QSO, Sweepstakes is made for you. Your call is part of every exchange, therefore you ID every QSO. Use this to your advantage. CQ and work someone. If you heard other stations or you sense someone is waiting in the wings, instead of TU W6SX, just send TU. If you don't get an immediate answer, CQ.

More advice and quotes from Trey.

K0RF: The guy who gets the most answers to CQs wins.

K5AU: Multipliers answer CQs.

Don't worry about how other stations are doing.

Mom: You should worry more about yourself and less about other people.

K5TR: Time listening to your competitors' serial numbers is time spent not making QSOs.

W6SX: The first rule of Sweepstakes is to have fun.

Contest Exuberantly,

Hank, W6SX

VP/CC

CQP Wine Presented at Yankee Clipper Contest Club Meeting

Bob, W1RH



It seemed like all of the planets were in alignment, while attending a friend's wedding and visiting my son and his wife, in New England. The Yankee Clipper Contest Club holds their meetings every other month, on a Sunday afternoon and that Sunday occurred during my visit. This was my first opportunity to attend a meeting of my former contest club since my move to California in 2004. At the meeting, I saw several old friends, and that includes the current YCCC President, Dennis, W1UE. It just so happens that Dennis won a bottle of CQP wine for placing third, in the Non-California category, in the 2018 California QSO Party. As Karen and I were preparing the 2018 bottles for shipment, I thought: Why not save NCCC 20 bucks and hand-carry the bottle to New England? I did, and I formally presented it to Dennis at the YCCC meeting. Following the presentation, in which WK6I's Twisted Oak Winery was actively promoted as the source of this fine wine, there was some discussion among the attendees that Dennis should share the bottle at the meeting. Alas, Dennis wisely chose to "drink no wine before its time", and took the bottle home with him.

The meeting, which was held in its usual location at a hotel conference

room in Sturbridge, featured a talk, from Joe, W1JR, on hearing loss as we age and how it affects our contesting abilities. This was followed by a talk from, W1UE, on SO2R contesting which included a live demo using a couple of K3's and a YCCC SO2R box.. A new YCCC SO2R box was also announced, which is built around the Arduino mini-computer. Lastly, Fred, K1VR, gave a really interesting review of a recent ARRL Director's meeting. Fred also mentioned that he is working on proposed legislation, dealing with homeowner CC&R's, built around hidden and disguised antennas.



Point Generator Profile

AJ6CY

(Interviewed by Bob, W1RH)

Name/Call Sign: Roberto (Rob on the air) AJ6CY

Past calls: None. Licensed on May 2018

Location: Livermore, CA

How much property do you have? Big house, small lot (8400 sq. ft.)

Describe your antenna system:

Current: . Vertical AV680 up on a 20 ft mast that Gary NA6O helped me install. Also a Homebrew 80/40 Magnetic Loop (6ft 3 inches diameter).

Future: I would love to put a Hex Beam but have not found a way yet without breaking the bank or messing up with the roof.

What's in your shack? Icom 7300, KPA500/KAT500 (thanks to Chris W6WM and Gary NA60), Yaesu 891 for SOTA activations

What are your previous QTH's? This is my first Shack.

If you're working, what is your career? If not, what was your career?

I retired at age 55 (3 years ago) after working in the Semiconductor Industry as a Mixed Signal Integrated Circuit Designer for some 23 years. Right after my first Engineering Degree I worked in Brazil installing and testing UHF links for rural telephony.

Married? Kids? Grandkids? Married to Esther for 15 years and two kids: David (age 14) and Ethan (age 12).

How many DXCC entities have you worked? 128 so far in about a year.

What's your favorite contest? Not sure since I have not completed a year in the Club yet. I'm fortunate to being brought to the N6RO Team and being trained by some of the best operators in the World. I like DX and because of my background (I'm from Uruguay and lived also in Brazil) tend to get the SA shift. Anything that helps the Team win! Fun to sneak a slang word in Spanish or Portuguese on the pile up to get attention...

Any tips for contesters? Oh my... How can I give tips? I'm a baby contester... I guess you have to persist and never give up. I see that a lot in our Team.

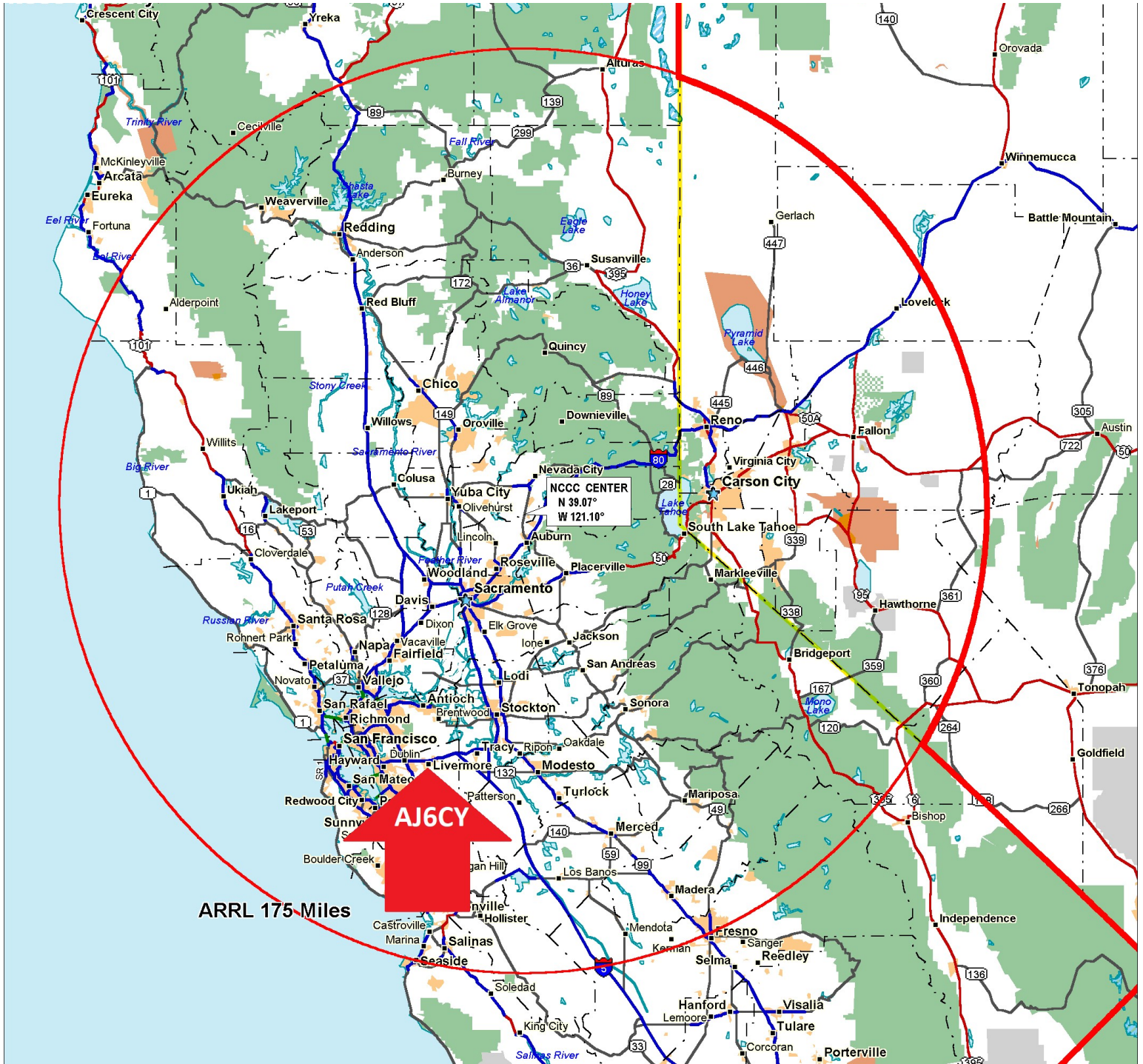
What would you like to see changed in NCCC? One of the things I appreciate the most about NCCC is the technical caliber of its members. I like learning and building things and this group of people has an incredible knowledge base and are always willing to teach and share. Just keep it that way.

Point Generator Profile – AJ6CY (Interviewed by Bob, W1RH)

Any other hobbies besides ham radio?

I used to play the classical guitar (self-taught) but now Ham Radio has taken all my time. My family believes it's an obsession...

I love hiking so SOTA is a lot of fun for me. Too bad we don't have higher peaks like in Colorado so most of the doable activations in the area are only 1 or 2 points even though some are quite challenging, particularly when you carry a 100w rig. My backpack weighs only 12 lbs right now. I want to make sure I do get those contacts...



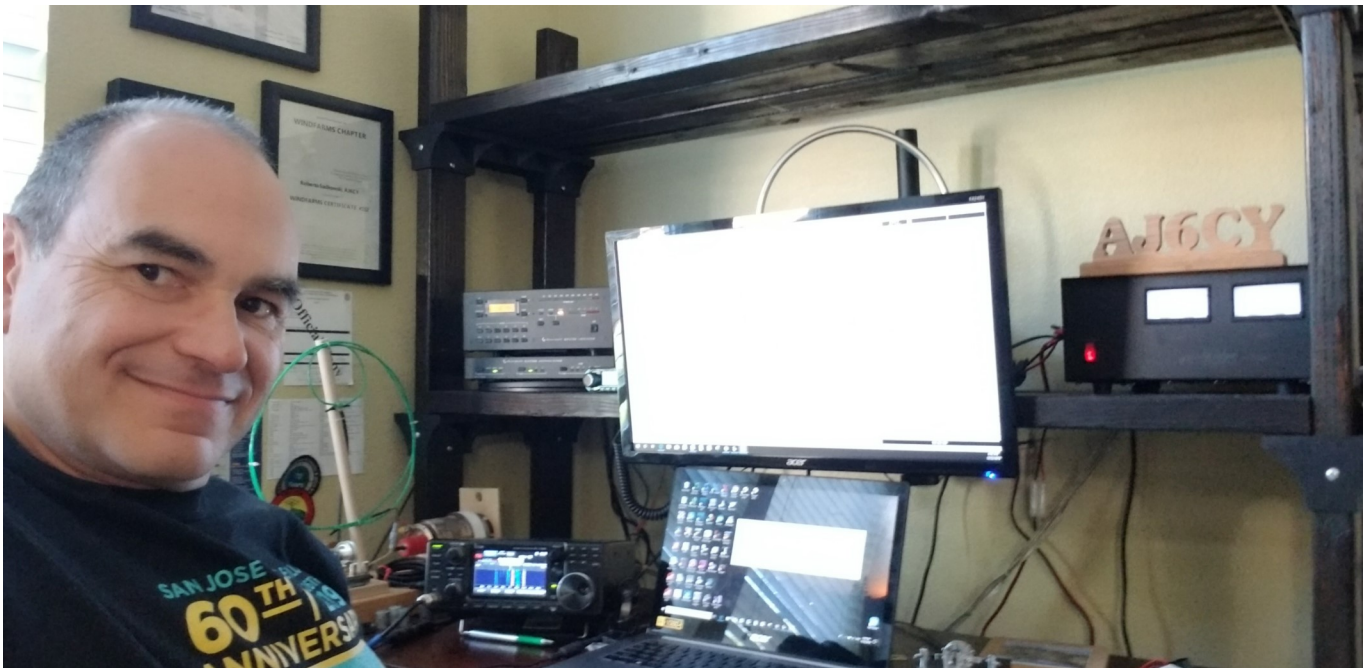
Point Generator Profile – AJ6CY
(Interviewed by Bob, W1RH)



Point Generator Profile – AJ6CY
(Interviewed by Bob, W1RH)



Point Generator Profile – AJ6CY
(Interviewed by Bob, W1RH)





Help Wanted!

NCCC is looking for an editor for the Jug. Our outgoing editor, W6TCP, having done a great job in the position, is ready to pass the baton to a new editor.

We thank Ian for all his work, and now seek someone to move the Jug into the future. What does the work entail?

As Ian puts it, the work is quite simple:

- Receive content from authors
- Build out the template (I use MS Publisher)
- When finished, create a PDF and send to K6MM (and Others)

The articles are created by various club members, and we work pretty hard to be on-time. As Ian notes, he uses MS Publisher on Windows. If you are a Mac user, you might consider using Pages or a page layout program.

Please contact W6FB or any of the BOD members for more info or to sign up for the position. We would really appreciate the help!

NCCC / N6RO Club BBQ (Photo Credit—AE6JV)



NCCC / N6RO Club BBQ (Photo Credit—NA6O)



NCCC / N6RO Club BBQ (Photo Credit—NA6O)



NCCC Annual KB Competition Rules

Revised March 1, 2019



Current rules and standings are always available at <http://nccc.cc/awards.html>.

Purpose: To provide a means of rewarding NCCC members who are DX contesters, sprinters, VHFers, and especially active contesters in all modes.

Time period: The contest year starts at 0000 March 1 UTC. ARRL DX SSB is the first contest of the year. NAQP RTTY is the last.

Eligible contests: Currently, points from 29 contests are counted. See the table on the next page

Scoring:

Score = N_Contests * sum of (points for each contest * each contest's multiplier).

Where N_Contests is the number of contests you participated in, with a maximum value of 20. Points for all contests in which you participate are always counted.

NCCC weekly sprints are special. Points for the entire year are added up, but it is only counted as a single contest.

Multi-ops: Points = total score divided by the number of operators.

Station owners: A station owner who does not participate in a particular contest receives 25% of the points.

Valid scores: Only scores posted to 3830scores.com are counted. Scores obtained by use of High Power in the 6 NAQP competitions and the NS CW/NS CW Ladder series will not be counted for the KB competition, either as scores or as contest multipliers. Scores are counted regardless of which club received the contest points (NCCC, MLDXCC, REDXA, PL259, etc.). The only requirement is that you **MUST** be an NCCC member to receive credit for the contest, and to be eligible for an award.

Brackets: There are four independent brackets for the purpose of awards: 1-Platinum, 2-Gold, 3-Silver, and 4-Bronze. Brackets are assigned at the beginning of the contest year according to your final position in the previous year's standings.

Awards: Paid NCCC members may receive awards.

How to Improve Your Standing

Post all your scores on 3830. Those are the only ones that count.

Participate! Even the smallest score has value. Every contest on the list is a multiplier.

Try a new mode or a new band (VHF, 10, 160).

Try the sprints. Small score, big multiplier.

Go for a big score in WPX: Exponential score growth and a big multiplier.

Join a multi-op: The score is split among ops.

Let someone else use your station: You get 25%.

Comments are welcome, as always. I log and track every comment and suggestion and try to improve the KB Competition each year. The one thing I can guarantee is that each year will be different!

Contact: Gary NA6O, NCCC Awards Manager, gwj@wb9jps.com

NCCC Annual KB Competition Table

Contest	Month	Mult
ARRL DX Contest SSB	March 2	10
CQ WPX SSB	March 30	10
7QP	May 4	20
NEQP	May 4	150
CQ WPX CW	May 25	5
ARRL June VHF	June 8	500
RAC Canada Day	July 1	15
IARU HF World Championships	July 13	10
NAQP Summer RTTY	July 20	25
NAQP Summer CW	August 3	25
NAQP Summer SSB	August 17	25
CQWW RTTY	September 28	5
NA Sprint Fall CW	September 8	150
CQP	October 5	10
Makrothen RTTY Contest	October 12	1
CQWW SSB	October 26	6
ARRL Sweepstakes CW	November 2	15

ARRL Sweepstakes SSB	November 16	15
CQWW CW	November 23	3
ARRL 160 Meter Contest	December 6	30
ARRL 10 Meter Contest	December 13	100
ARRL RTTY Roundup	January 4	50
NAQP Winter CW	January 11	25
NAQP Winter SSB	January 18	25
NA Sprint Winter CW	February 2	150
CQ WPX RTTY	February 8	10
ARRL DX Contest CW	February 14	4
NAQP Winter RTTY	February 22	25
NCCC Sprint CW	Weekly	50

KB Award Brackets

There are four independent brackets for the purpose of issuing awards: 1- Platinum, 2- Gold, 3- Silver, and 4- Bronze. Your bracket is assigned automatically at the beginning of the contest year according to your final position in the previous year's standings. New members or those who have never posted a score to 3830 default to the Bronze level. On the left, is an alphabetical list of the current assignments to the top three brackets. If your call is not listed, you are in Bronze. If you believe your current bracket is incorrect, please contact NA6O.

Platinum	Gold	Silver
AD6E	K3EST	AE6JV
AE6Y	K6AW	AJ6CY
AF6SA	K6DGW	K0BEE
AJ6V	K6IJ	K0JP
K2RD	K6JS	K6KR
K5RC	K6MR	K6MI
K6DAJ	K6NV	K6OK
K6EU	K6RIM	K6RB
K6GHA	K6TQ	K6ST
K6LRN	K6UFO	K6TD
K6MM	KH2TJ	K6UM
K6SRZ	KH6LC	K6XN
K6XX	N0KQ	K6XV
K7XC	N2NS	K7GK
K9YC	N5KO	K7MKL
KA6BIM	N6EE	KA6W
N3RC	N6IE	KD6WKY
N3ZZ	N6JV	KE6GLA

Platinum	Gold	Silver
N6RO	N6KT	KE8FT
N6TV	N6PN	KF6NCX
N6WM	N6RK	KI6OY
N6ZFO	NC6R	KM6I
N7MH	NJ6G	KU7Y
NA6O	VE3RUA	KX7M
NW6P	W6DR	N6DE
W0YK	W6EU	N6DW
W1RH	W6FB	N6GD
W1SRD	W6IA	N6JS
W2SC	W6JTI	N6NU
W6FA	W6LD	N6XI
W6OAT	W6NV	N6YEU
W6SX	W6RC	NQ6N
W9KKN	W7IV	NR6Q
WC6H	WB6JJJ	OH1VR
WX5S	WU6W	VY1JA
		W6GJB
		W6NL
		W6RGG
		W6SC
		W6SR
		WA6O
		WE6Z
		WK6I
		WU6X
		WX6V

NCCC Life Membership!

The NCCC Life member program was introduced for a flat fee of \$250. If you are interested in becoming an NCCC Life member, please contact secretary.nccc@gmail.com

80/20 Rule:

Members who have reached 80 years young and been a NCCC Member for 20 years are eligible for Honorary life membership. Contact secretary.nccc@gmail.com

Previous NCCC Meeting

Greg, N6GD

NCCC Meetg, October 8, 2019

25 in attendance plus 7 via the webcast

Stories of CQP were exchanged. Lots of activity and expeditions. Many thanks to Dean for encouraging and enabling activity from the rarer counties!

Program:

Jim Brown, K9YC, *Minimizing Inter-Station Interference*

Slides are posted at K9YC.com along with detailed tutorials

We had some extra excitement when Jack spotted someone peering into Cars in the parking lot outside our restaurant window. Jack ran out and scared the miscreants away, but Bob discovered that one of his side windows had been broken nonetheless.

BoD meeting minutes

The monthly minutes from the NCCC BoD meetings are available in the members only section of the NCCC website. See <http://nccc.cc/members/minutes.html>

JUG Articles Wanted!

Without your help we cannot reproduce a quality newsletter so please consider submitting a suitable article!

We welcome any and all relevant articles for inclusion in the JUG.

Deadline is 7 days before month end. Preferred format is MS Word, Arial 12 point and pictures should be full resolution. Send your material to Ian, W6TCP at w6tcpian@gmail.com Don't worry about the formatting, we can take care of that if necessary !

Tube Of The Month

Norm, N6JV

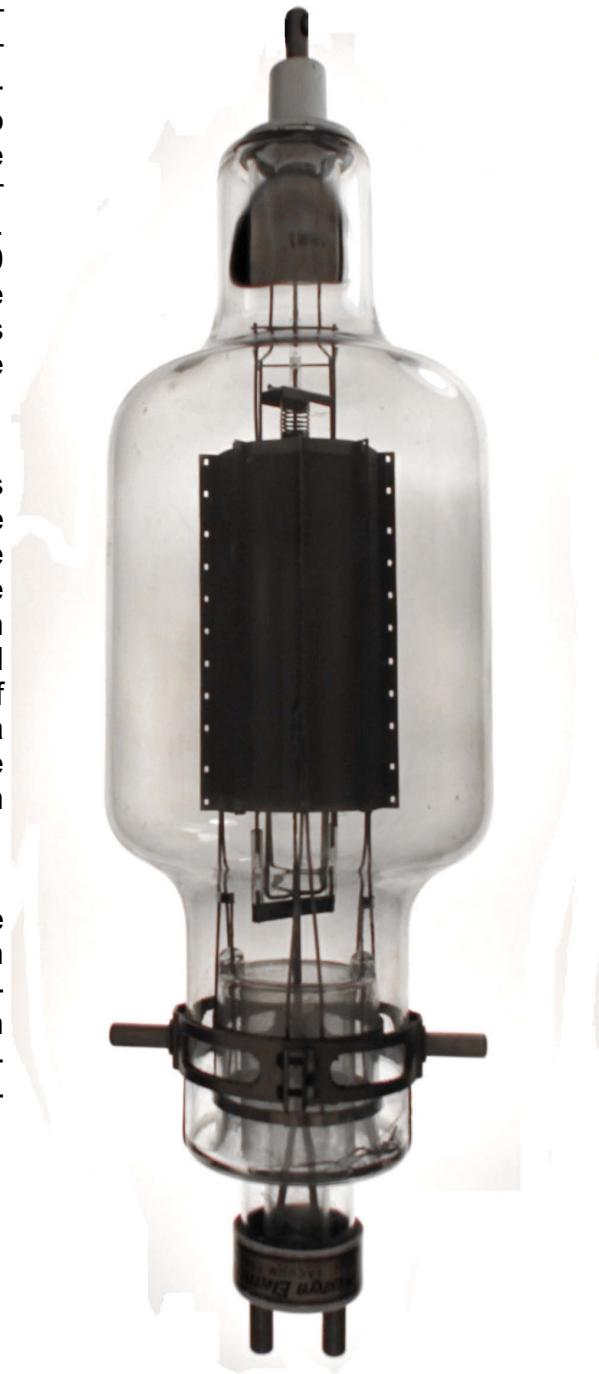
Visit the Museum: www.n6jv.com

WE 279A

In the 1920s, several manufacturers produced water cooled tubes in the 5 KW range that were intended for commercial and military use. Most glass tubes were limited to 250 watt dissipation. Western Electric decided to make new larger tubes that would fill the gap up to where water cooling would become necessary. It would be over 20 years before ceramic power tubes would be available. In 1930, Western Electric started producing the 1000 watt dissipation 251A and the 1200 watt 279A. These tubes would operate well into the short wave bands where most existing tubes wouldn't. The 279A was the most powerful glass tube produced up to that date.

The 279A was a monster at 21.5 inches tall and 6 inches in diameter. It was also built "upside down". The base only had 2 large pins for the filament and the grid came out the top. The two plate connections came out the side a few inches above the base. I imagine it was plugged in much like a giant fuse. The tube could be used at full power up to 20 MHz. There was a complex system of springs to keep proper filament tension. The 279A had a mu of 10 and operated at 3000 VDC at 800 ma. The huge cylindrical plate would glow cherry red at maximum dissipation.

The 279A was used in several amplifiers to produce 1000 watts or better. Applications included aviation ground control, police, military and commercial broadcasting. In 1941 it was replaced by the WE379A and in 1948 all production of large transmitting tubes was transferred to Machlett. Other manufacturers such as Amperex and Sylvania produced their versions of the tube.





Contest Calendar— November page 1

November 2019

NCCC RTTY Sprint	
NCCC Sprint	0230Z-0300Z, Nov 1
Silent Key Memorial Contest	0600Z-0859Z, Nov 1
Zombie Shuffle	1600-2400 local, Nov 1
IPARC Contest, CW	0600Z-1000Z, Nov 2 and 1400Z-1800Z, Nov 2
Ukrainian DX Contest	1200Z, Nov 2 to 1200Z, Nov 3
SA Sprint Contest	2100Z-2259Z, Nov 2
ARRL Sweepstakes Contest, CW	2100Z, Nov 2 to 0300Z, Nov 4
IPARC Contest, SSB	0600Z-1000Z, Nov 3 and 1400Z-1800Z, Nov 3
EANET Sprint	0800Z-1200Z, Nov 3
High Speed Club CW Contest	0900Z-1100Z, Nov 3 and 1500Z-1700Z, Nov 3
RSGB FT4 Contest Series	2000Z-2059Z, Nov 4
ARS Spartan Sprint	0200Z-0400Z, Nov 5
Phone Fray	0230Z-0300Z, Nov 6
CWops Mini-CWT Test	1300Z-1400Z, Nov 6 and 1900Z-2000Z, Nov 6 and 0300Z-0400Z, Nov 7
UKEICC 80m Contest	2000Z-2100Z, Nov 6
NRAU 10m Activity Contest	1800Z-1900Z, Nov 7 (CW) and 1900Z-2000Z, Nov 7 (SSB) and 2000Z-2100Z, Nov 7 (FM) and 2100Z-2200Z, Nov 7 (Dig)
SKCC Sprint Europe	2000Z-2200Z, Nov 7
NCCC RTTY Sprint	0145Z-0215Z, Nov 8
NCCC Sprint	0230Z-0300Z, Nov 8
WAE DX Contest, RTTY	0000Z, Nov 9 to 2359Z, Nov 10
PODXS 070 Club Triple Play Low Band Sprint	0000Z, Nov 9 to 2359Z, Nov 11
10-10 Int. Fall Contest, Digital	0001Z, Nov 9 to 2359Z, Nov 10
JIDX Phone Contest	0700Z, Nov 9 to 1300Z, Nov 10
SARL VHF/UHF Analogue Contest	1000Z, Nov 9 to 1000Z, Nov 10
OK/OM DX Contest, CW	1200Z, Nov 9 to 1200Z, Nov 10
SKCC Weekend Sprintathon	1200Z, Nov 9 to 2400Z, Nov 10
CQ-WE Contest	1900Z-2300Z, Nov 9 (CW/Digital) and 0100Z-0500Z, Nov 10 (Phone) and 1900Z-2300Z, Nov 10 (Phone) and 0100Z-0500Z, Nov 11 (CW/Digital)



Contest Calendar— November page 2

AWA Bruce Kelley 1929 QSO Party	2300Z, Nov 9 to 2300Z, Nov 10 and 2300Z, Nov 16 to 2300Z, Nov 17
North American SSB Sprint Contest	0000Z-0400Z, Nov 10
4 States QRP Group Second Sunday Sprint	0100Z-0300Z, Nov 11
RSGB 80m Autumn Series, Data	2000Z-2130Z, Nov 11
Phone Fray	0230Z-0300Z, Nov 13
CWops Mini-CWT Test	1300Z-1400Z, Nov 13 and 1900Z-2000Z, Nov 13 and 0300Z-0400Z, Nov 14
NCCC RTTY Sprint	0145Z-0215Z, Nov 15
NCCC Sprint	0230Z-0300Z, Nov 15
YO International PSK31 Contest	1600Z-2200Z, Nov 15
ARRL EME Contest	0000Z, Nov 16 to 2359Z, Nov 17
SARL Field Day Contest	1000Z, Nov 16 to 1000Z, Nov 17
LZ DX Contest	1200Z, Nov 16 to 1200Z, Nov 17
All Austrian 160-Meter Contest	1600Z-2359Z, Nov 16
REF 160-Meter Contest	1700Z, Nov 16 to 0100Z, Nov 17
Feld Hell Sprint	1900Z-2059Z, Nov 16
RSGB 1.8 MHz Contest	1900Z-2300Z, Nov 16
ARRL Sweepstakes Contest, SSB	2100Z, Nov 16 to 0300Z, Nov 18
Homebrew and Oldtime Equipment Party	1300-1500Z, Nov 17 (40m) and 1500-1700Z, Nov 17 (80m)
Run for the Bacon QRP Contest	0200Z-0400Z, Nov 18
NAQCC CW Sprint	0130Z-0330Z, Nov 19
Phone Fray	0230Z-0300Z, Nov 20
CWops Mini-CWT Test	1300Z-1400Z, Nov 20 and 1900Z-2000Z, Nov 20 and 0300Z-0400Z, Nov 21
RSGB 80m Autumn Series, SSB	2000Z-2130Z, Nov 20
NCCC RTTY Sprint	0145Z-0215Z, Nov 22
NCCC Sprint	0230Z-0300Z, Nov 22
CQ Worldwide DX Contest, CW	0000Z, Nov 23 to 2400Z, Nov 24
QCX Challenge	1300Z-1400Z, Nov 25 and 1900Z-2000Z, Nov 25 and 0300Z-0400Z, Nov 26
SKCC Sprint	0000Z-0200Z, Nov 27
Phone Fray	0230Z-0300Z, Nov 27
CWops Mini-CWT Test	1300Z-1400Z, Nov 27 and 1900Z-2000Z, Nov 27 and 0300Z-0400Z, Nov 28
UKEICC 80m Contest	2000Z-2100Z, Nov 27
RSGB 80m Autumn Series, CW	2000Z-2130Z, Nov 28
NCCC RTTY Sprint	0145Z-0215Z, Nov 29
NCCC Sprint	0230Z-0300Z, Nov 29
Russian WW MultiMode Contest	1200Z, Nov 30 to 1159Z, Dec 1



NCCC Membership Information

If you wish to join NCCC, you must fill out an [application for membership](#), which will be read and voted upon at the next monthly meeting.

To join, you must reside within [club territory](#) which is defined as the maximum of:

- Northern California, anything north of the Tehachapi's up to the Oregon border, and
- A part of north-western Nevada (anything within our ARRL 175-mile radius circle centered at 10 miles North of Auburn on Highway 49).

JUG Articles Wanted!

Without your help we cannot reproduce a quality newsletter so please consider submitting a suitable article!

We welcome any and all relevant articles for inclusion in the JUG.

Deadline is 7 days before month end. Preferred format is MS Word, Arial 12 point and pictures should be full resolution. Send your material to Jack, W6FB at jackbrindle@me.com Don't worry about the formatting, we can take care of that if necessary !

Northern California Contest Club Reflector—Guidelines

This reflector is devoted to the discussion of contesting.

This includes contests, station building, dxpeditions, technical questions, contesting questions, amateur radio equipment wants/sales, score posting, amateur radio meetings/conventions, and membership achievements.

This does not include personal attacks, politics, or off-subject posts which will be considered a violation of the Guidelines.

Violations may result in removal of the violator from the reflector and possibly from club membership in good standing.



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KENWOOD



TS-590SG
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TM-D710G
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TM-V71A
2M/440 DualBand



TM-281A
2 Mtr Mobile



TH-D74A
2M/220/440 HT

YAESU
The radio



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HF/VHF/UHF Transceiver



FTDX1200
100W HF + 6M Transceiver



FT-450D
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FTM-400XD
2M/440 Mobile



FT-60R
2M/440 5W HT

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