

Publication of the Northern California Contest Club



Issue 600 July 2022



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NCCC — 52 years of

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NCCC ZOOM MEETING

FOR DETAILS: https://nccc.cc/meetings.html

Please join us on line via Zoom at:
Date: Tuesday, July 19, 2022
Time: Open chat, 6 PM PDST
Meeting: 6:30 PM to 8:30 PM
Open chat after the meeting, too.

Web Meeting Info: For Zoom meeting information, please contact the NCCC Secretary at secretary.nccc@gmail.com
Program:

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We look forward to seeing you all online! Greg, KK6PXT — NCCC Secretary"

President's Report - WD6T

An Intra-Club Contest of a Different Color David A. Jaffe WD6T

We contest year-round, year after year, in good solar weather and bad, in thick and thin sunspot activity, come Hell-fried finals or high SWRs. There are various things that we do to keep ourselves engaged. One of them is overlay competitions. The KB contest has been quite successful in this regard. The Champion of Asia and Oceania is a more recent addition to the intra-club competitive landscape. Other such incentives include the Jim Maxwell Memorial Trophy and the Founders Award. See nccc.cc/awards.html for more details.

Our July presentation features a well-known NCCC contester who relocated to the Pacific NW a few years ago. Any guesses? Yes, none other than Rusty, W6OAT. His talk will be on the early history of the World Radiosport Team Championship, better known as the WRTC.

The WRTC is an overlay (every roughly four years) on the IARU HF World Championship. Coming up in July, the IARU is an international contest that offers a good opportunity to work DX in the summer months, even on the high bands late at night.

(Con't on page 3)



Board of Directors, 2022 - 2023 Contest Season

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 NCCC Thursday Night Contesting - NS Ladder: Bill Haddon, N6ZFO

NCCC Thursday Night Contesting - RTTY Sprint and RTTY Ladder: Ed Radio, AJ6V

NA Sprint Flogger: Bob Vallio, W6RGG

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• Membership Committee: Gary Johnson, NA6O and Ian Parker, W6TCP

Thursday Night Sprint

The Northern California Contest Club sponsors a Thursday Night Contesting session of thirty minute duration. Often, on Fridays prior to a major contest weekend, a special practice session is held.

Generally, on 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 America time. The power limit is 100 watts. Occasionally, multi-week ladder competitions are held. See www.ncccsprint.com for details

Thursday Night Contesting Director and Founder NCCC CW Sprint NCCC RTTY Sprint NCCC Sprint Ladder Sprint Web master www.ncccsprint.com Ladder Scores Manager Thursday Night Contesting Advisory Group

Bill, N6ZFO
Tom, N3ZZ (initially Ken N6RO)
Ed Radlo, AJ6V
Bill, N6ZFO
John, K6MM
Tim, N3QE
Bill, N6ZFO Chair
Mark, K6UFO, (with W4NZ, N4AF,
W9RE, K4BAI, N3BB, VE3TY, and W08H)



Of course, the IARU is YAECEUFF ("yet another east coast / Europe feeding frenzy)," right? While it is tempting to complain about existing contests and their entrenched interests, wouldn't it be better to put our energy into creating a new overlay or an entirely-new contest? Tune into Rusty's presentation and find out.

Yes Virginia, it IS possible to create a new contest! Your little friends are wrong, they have been affected by the skepticism of a skeptical age.

Of course, it is also a huge amount of work, particularly for a worldwide DX contest. But it is not so difficult to create a new intra-club contest. Looking back through JUG issues, I found one such competition from 1972 ("The JUG – Uncorked frequently by the Northern California Contest Club"), which included a novel intra-club competition. Coincidentally, it was managed by Rusty (and likely designed by him).

The competition was focused on the All Asia contest and had a structure very different from our current KB contest. It included both individual and team competition. Although the JUG article is very terse—I suspect that the rules were explained in greater detail at the in-person meeting—here is my attempt at describing the competition:

There were two teams, the Red team and the Yellow team. Each team had 17 members. (I suspect there was a single team member for each category in the All Asia contest.) Each team had a "captain" who, the article said, "is trying to get in touch with everyone by phone." (At that time, email was just a twinkle in the ARPA Net's eye.)

The highest NCCC individual entry in each category (single bands and such) received 150 points. Other entries in the same category received points in proportion to the winning score in each category. For example, if the second highest 40 meter entry was 85% of the highest entry, that person would receive 85 points. The article states that "the NCDXC 2-meter net will probably be used extensively for those who have the facilities." The winning team also received the Dave Baker W6WX cup.



There are several attractive features of this contest:

- 1. The teams could be structured to be relatively fair, a mix of big and small stations, and operators of different skill levels.
- 2. There were separate competitions for each category within the club. In contrast, the KB contest favors the all-band high-power category.
- 3. Each member competed at three levels at once: within his own category within the club, as a team member, and within his own category in the world (or at least, outside of Asia).
- 4. The fact that the number of points is a percentage of the highest score in each category equalized point differences between the bands. For example, let's say the top score on 80m is 2,000 and the top score on 20m is 30,000. Both of these ops would get 150 points. Then, if the second place 80m op had 1,000 points and the second place 20m op had 15,000 points, they would both get 50 points, despite the large disparity in points.
- 5. By encouraging entries in all categories, it maximized the probability that an NCCC member would win some category worldwide (or at least, outside of Asia).

According to personal correspondence with Rusty, this concept was extended to an inter-club competition, via an attempt(finally achieved after many years of trying) to beat SCCC in every category.

What I take away from all this is that keeping NCCC contesting fresh is an ongoing process. Let's keep thinking creatively!



Hello KBers,

Please join us online for a presentation by Charles Epps "Rusty" W6OAT on WRTC.

"The meeting will be recorded and a link to that video will be posted.

Date: Tuesday July 19th, 2022
Time: Open chat, 6:00 PM PDST
Meeting: 6:30PM to 8:30 PM
Open chat after the meeting, too.

Web Meeting Info:

ID: 849 7263 8049 Passcode: 740291 One tap mobile

+16699006833,,84972638049#,,,,*740291# US (San Jose)

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Meeting ID: 849 7263 8049

Meeting ID: 849 7263 80 Passcode: 740291

Find your local number: https://us06web.zoom.us/u/kcAfrt0RvA

Program:

- 1. Contest update with Andy, AE6Y, our VP/CC.
- 2. Our member guest is Charles Epps " Rusty" W6OAT will be presenting on "How WRTC Came to be "...

Rusty, W6OAT, wrote the rules for and was Chief Judge of the first WRTC in Seattle in 1990. He was a member of the Organizing Committee for WRTC-1996 in San Francisco, and has been a Referee at the WRTCs in 2000, 2002, 2006, 2010, 2014 and 2018. He has been appointed Chief Judge for the upcoming WRTC which will take place in Bologna, Italy, in July, 2023. Rusty is one of only four individuals who has attended every WRTC. He is a member of the WRTC Steering Committee, and has been inducted into both the CQ DX Hall of Fame and the CQ Contest Hall of Fame.

Upcoming meetings:

August 16th 2022 Presentation TBD.

For now, we look forward to seeing you all online!

73.

Greg, KK6PXT, NCCC Secretary



July 2022 AE6Y VP/CC JUG Column

Of course, Field Day was a few weekends ago. I remember first working FD as an Explorer Scout circa 1962 or so with a local group. Amazingly, though the rest of us were using Heathkit transmitters and low budget RXs (e.g., an SX-99 or HQ-100), and no one owned an amplifier, one of our group had a Collins S-line, and brought it to the site. It was really fun operating at night in the rain in a tent being careful to keep the S-line dry. We didn't have much of a clue about contesting, but that wasn't what FD was about in those days — and of course it still isn't about contesting for a great number of the entrants. For them, the original purpose of demonstrating emergency preparedness and getting out into the woods with some friends form the essence of the event.

Though it's always been possible to operate from home, the ARRL discouraged that for years by providing that class D stations (i.e., home stations on commercial power) could not work each other for contest credit. The ARRL changed that rule for 2022, and from my limited operating time this year (from home in class 1D) my impression is that there were more 1D stations on than in previous years. In the 3830 results there are many well-known contester calls posted in the 1D and 1E (home station, emergency power) categories. I suspect their goal of incentivizing activity did pay off. To keep in practice I did all my sending by hand, without using the computer. I find that the older I get the worse my fist becomes, and FD is a good contest for hand sending, as the average CW speeds seem to be mostly in the 25-30 wpm range, which is more comfortable for me than hand sending above 30 wpm.

Here's a pome about the new status of One-Delta in Field Day:

The Rise of 1D

One Delta used to be lame,
You couldn't work more of the same.
But now there is credit
So get on and get it:
A few fleeting hours of fame!



Some Reminiscences of Ken Anderson, K6TA

Like many who knew him, I was saddened to hear just a few days ago that Ken Anderson, K6TA, had become a Silent Key. It was not a surprise, as Ken's health had been failing for years due to a progressive disease, the ravages of which he endured with uncommon grace and resolve.

I'm hoping that we'll have additional thoughts from more of his friends and DX and Contesting buddies in a future edition of the JUG, but I did want to express some personal reminiscences based upon my acquaintanceship with him both in Aruba and in California.

First, in Aruba Ken(K6TA) and Kay (K6KO) were regular guest ops at the P40L/P49Y station that John Fore, W6LD, and I bought from Carl Cook, AI6V, P40V, in 2003. They would routinely come to the island in December to operate the ARRL 160-meter and 10-meter contests. Generally, Ken would operate the 160 as P40TA, and either both of them or just Kay on SSB would operate the 10-meter contest as P40K. They always did well in these contests; in fact, Ken won the world on 160 in 2005 and 2008 (not an easy task from the Caribbean), and they were generally in the top five in their category on 10 meters, which is even harder from there.

They had operated when the station was owned by Carl, and our website (www.arubaqth.com) shows them active every year from 2002 through 2008 except for 2004. Eventually Ken's health just wouldn't support all the BIC time necessary to fly to the Island and do a serious 160 operation, so they reluctantly had QRT from Aruba.

Below are pictures of each of them, operating from our then two-radio 756 Pro2 station. (Note that in the picture of Kay, the SixPak is appropriately set to 10 meters).







Here's a poem about Ken and Kay on Aruba

The Ballad of P40TA and P40K
To Aruba came Ken and Kay,
Papa Forties TA and K.
While Ken pounded brass
Kay played sideband lass,
We'll miss you: K-6-T-A.

My other primary memory of Ken is the wonderful hospitality that Ken and Kay showed me for a number of years as I operated CQP from their station in Pine Grove, in Amador County. They were sparkplugs of the very active and committed club, the Mother Lode DX and Contest Club, based in Jackson, which I had joined when I was President of NCCC in 1997-98. They have a lovely house on a ridgetop with a great DX outlook, and I had often noted from Aruba how they would invariably come in right over the top of a pileup of West Coast callers.

They don't have an N6RO-style superstation with tall towers and stacked yagis; the advantage of their station was the geographic and mainly the topographic location on the ridgetop with clear takeoffs in useful directions. My recollection is the station has two medium (i.e., 50-footish) towers and a flamethrower 6 element 10m yagi mounted just a few feet above the roof. It always played well in CQP for me and was a pleasure to pilot, particularly with Kay attentively bringing in small edibles during the day. We typically didn't communicate much during the operating time, but I do recall going into the living room one year and letting out a whoop after just working a VY1 for the 58th mult on 80 meters.

I operated CQP from their station in 2009 and 2011-15. Each operation was a treat for me, and would typically end up with my score being about 15% higher than I could do from home (generally almost – but not quite enough – to beat Rich Cutler, WC6H). I would drive up on Friday afternoon and get the station set up to my taste before dinner. This would generally involve quite a bit of recabling for my own idiosyncratic way of doing SO2R with their K3s/Alpha 87s (though I would generally bring one of each of my own as well), and they were extremely tolerant of my wrecking the shack that must have taken them days to restore properly after I left.

Kay always made a delicious dinner Friday night (I remember her coq au vin with particular gustatory affection), and we would spend the evening chatting and catching up on our respective recent histories. There was a separate guest room across a little breezeway, and it was always cool at night in early October in the Foothills. That outbuilding also held Kay's canning supplies, and she would always send me home with several jars of her First-Place-Amador-County-Fair jams and preserves.

I remember one year with particular appreciation. As I entered the house upon arrival, Ken asked if I had worked the Glorioso station yet. There was an expedition underway to that island, but it was very hard to work from the West Coast as you might expect, and I had not yet been able to work them from home. I desperately wanted to, as it was the very last country I needed to have worked all the current DXCC list. Fortunately, Ken had FT5GA teed up on 20m SSB with a strong signal, and I got them on the first call to complete my Honor Roll list. What a privilege.

My comments haven't even touched on Ken's many contributions to DXing and Contesting. I'm hopeful that others will provide personal insights to round out our appreciation of a fellow club member who added greatly to our appreciation of our hobby. RIP, our friend.



I had the pleasure of working the Lake Sonoma Osprey Nest on June 5th.

Yes, there are two chicks in the nest. They are rather larger at present. Saraj, KU6F









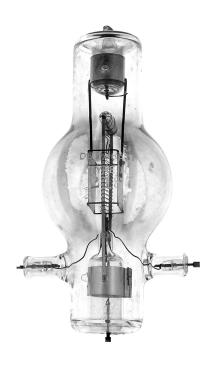
Tube of the Month

de Forest TYPE H

The de Forest company had started making high power transmitting tubes around the end of WWI. By 1926 they introduced a new line of transmitting tubes for commercial and amateur use. The first of these tubes was advertised in January of 1926 and was the Type H. The Type H was rated at 150 watts input and could be run on up to 3000 volts at 50 ma. The filament was rated as 10 volts at 2.35 amps. The unusual shape reflects the attempt to keep all the leads separated to allow the tube to operate at higher frequency. De Forest claimed that the Type H could operate up to 300 MHz. I would be very interested is seeing the instrumentation they used to make that claim. They must have been using a Lecher line that was commonly used in those years.

The flat plates and their lateral supports make a box that encloses the grid. The element spacing is wide to allow the use of very high voltage and to minimize the output capacity for high frequency. The glass construction is good but fragile. Without a base, the mounting was left to the operator. These tubes are not very common and I have seen other similar tubes that were larger. This tube is just under 6 inches tall. The filament attachments points are small square plates that I assume where intended to be used with alligator clips. De Forest charged \$18 for the Type H and if you needed a high voltage rectifier, they removed the grid and filament side arms from the H and sold you the Type HR rectifier for \$16.

Visit the museum at N6JV.com Norm N6JV





NCCC Life Members

Gary, NA6O, NCCC Membership Committee

Congratulations to the following members who have been voted in as Life Members of NCCC:

N3ZZ

K6TD

K3EST

WU6P

K6KM

W6JTI

KH7Y

AF6RT

If you're interested in becoming a Life Member, fill out the online form at this link:

https://www.memberplanet.com/s/nccckb/life_membership

The one-time fee is \$250, and you'll no longer get those annoying dues renewal notices. If you are 80 years old and have been an NCCC member for at least 20 years, you are eligible for a FREE life membership. Just check the box on the form.



NCCC Membership Information

If you wish to join NCCC, please fill out an application for membership, which will be read and voted upon at our 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).

Life Memberships.— \$250.00 Contact secretary.nccc@gmail.com. The 80/20 Rule:

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

JUG Articles Wanted!

Your help allows us to produce a quality newsletter. Please consider submitting an article!

The editor welcomes any and all relevant articles for inclusion in the JUG. The preferred format is Mac PAGES or MS Word (.doc or .docx), Arial 11 point. Indicate the insertion point and title of diagrams and pictures in the text and attach photos separately. Pictures should be full resolution. Avoid PDF files and email text. Please contact us if that's your only format.

Send material to Saraj, KU6F, <u>saraj@sonic.net</u>, ph: 707-888-3906 PLEASE INDICATE "JUG SUBMISSION" IN EMAIL SUBJECT LINE.

Northern California Contest Club Reflector—Guidelines

The NCCC reflector is devoted to the discussion of contesting. Topics include, for example, contests, station building, dx-peditions, technical questions, contesting questions, amateur radio equipment wants/sales, score posting, amateur radio meetings/ conventions, and membership achievements. Postings may not include personal attacks, politics, or off-subject posts. Such postings will be considered a violation of the Guidelines.

Find NCCC on Social Media

Facebook: "Northern California Contest Club"
Twitter: "NCCCKB"



NCCC Lands' End Store

We are pleased to announce that the new NCCC Land's End store is online! You can choose from an array of shirts, jackets, and hats and apply your choice of custom-embroidered NCCC logos: A plain one, or one that also says Fifty Years. And, you can personalize your item by adding your name and/or call sign. The store is open 24/7 and items are shipped directly to you. No more waiting for everyone else to make up their minds on a group purchase.

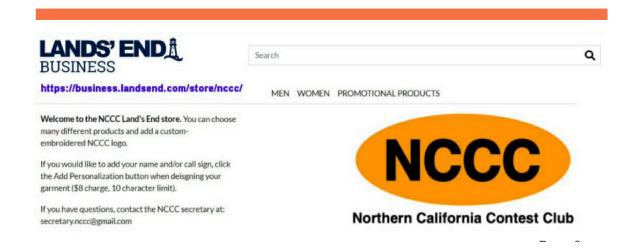
Go to https://business.landsend.com/store/nccc/ It's easy to use.

From nccc.cc: http://nccc.ccc/members/lestore.html

Thanks to W6TCP for helping to set this up.

Instructions for purchases from Lands' End NCCC Store:

- 1. Go to https://business.landsend.com/store/nccc/
- 2. Click on Men's or Women's link, then choose item(s)
- 3. Pick color, inter quantity of each size you want to order.
- 4. Click Apply Logos and Personalizations. This will display the logo choices. Try them out. It will show you what they look like on your chosen fabric color.
- 5. Select a location for logo (left side, ride side, back, etc)
- 6. Click Apply Logo.
- 7. Optionally, click Add Personalization to add your name or call sign (\$8.00, 10 character limit)
- 8. Click Add to Bag and Continue Shopping or.
- 9. Start Secure Check out. Account creation and credit card required.







A direct-sampling SDR you'll love to use

Our new K4 transceiver harnesses advanced signal processing while retaining the best aspects of the K35 and P3. It features a 7" touch display, plus a rich set of dedicated controls. Per-VFO transmit metering makes split mode foolproof. Band-stacking registers and per-receiver settings are versatile and intuitive. Control usage information is just one tap away thanks to a built-in help system.

Modular, hybrid architecture adapts to your needs

The basic K4 covers 160-6 m, with dual receive on the same or different bands. The K4D adds diversity receive, with a full set of band-pass filters for the second receiver. (Thanks to direct RF sampling, there's no need for crystal filters in either the K4 or K4D.) The K4HD adds a dual superhet module for extreme-signal environments. Any K4 model can be upgraded to the next level, and future enhancements-such as a planned internal VHF/ UHF module—can be added as needed.

Single or dual panadapter, plus a high-resolution tuning aid

The main panadapter can be set up as single or dual. Separate from the main panadapter is our per-receiver mini-pan tuning aid, with a resampled bandwidth as narrow as +/- 1 kHz. You can turn it on by tapping either receiver's S-meter or by tapping on a signal of interest, then easily auto-spot or fine tune to the signal.

Comprehensive I/O, plus full remote control

The K4's rear panel includes all the analog and digital I/O you'll ever need. All K-line accessories are supported, including amps, ATUs, and our K-Pod controller. The Video output can mirror the K4 screen or display a high-res Panadapter only screen. Via Ethernet, the K4 can be 100% remote controlled from a PC, notebook, tablet, or even another K4, with panadapter data included in all remote displays. Work the world from anywhere—in style!

K4 KEY FEATURES

Optimized for ease of use

Modular, upgradeable design

7" color screen with touch and mouse control

ATU with 10:1+ range, 3 antenna jacks

Up to 5 receive antenna sources

Full remote control via Ethernet



The K4 interfaces seamlessly with the KPA500 and KPA1500 amplifiers

'The performance of their products is only eclipsed by their service and support. Truly amazing!' Joe-W1GO



For complete features and specifications visit elecraft.com • 831-763-4211









IC-9700 All Mode Tri-Band Transceiver



IC-7300



IC-7100 All Mode Transceiver



ID-5100A Deluxe VHF/UHF Dual Band Digital Transceiver



HF/50/144/430 MHz All Mode Transceiver





TS-590SG HF/50MHz Transceiver



TM-D710G



TM-V71A 2M/440 DualBand



TM-281A



TH-D74A





FT-991A HF/VHF/UHF Transceiver



FT-891 HF+50 MHz All Mode Transceiver



FTM-300DR C4FM/FM 144/430 MHz Dual Band



FTM-400XD



C4FM/FM 144/430 Xcvr



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