



Publication of the  
Northern California  
Contest Club



Issue 597

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## NCCC — 52 years of contesting excellence

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#### NCCC ZOOM MEETING FOR DETAILS:

<https://nccc.cc/meetings.html>  
Tuesday, April 19, 2022

Please join us on line via Zoom at:  
Date: Tuesday April 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](mailto:secretary.nccc@gmail.com) Program:

1. **Presentation of awards.** This will include CQP, RTTY Roundup, KB Competition, and Operating Achievement awards. Due to the virtual meeting, nearly all awards will be mailed out.

2. **Annual election of officers.** (If you are interested in any position of leadership within NCCC, please contact us!)

**We look forward to seeing you all online!**  
Gary, NA6O — NCCC Secretary

### President's Report - WD6T

## Welcome to NCCC!

Dave, WD6T

This month's column is in two parts, the first addressed to long-time NCCC members, the second to new members.

### Part 1, Welcoming the Freshmen

In recent meetings, we have seen a steady stream of new members. Dean (N6DE) and I have done some beating of the bushes to find active contesters who may not have known about our club, or did not know if they'd be welcome. New members come in all shapes and sizes; some are newly-minted hams, while others have been hams for decades but are new to contesting. Still others are experienced contesters, but are new to the area or newly discovering the NCCC family. I urge all of our members to invite your contesting friends who are not members to consider joining and provide sponsorship for their application.

A great source of new members is our contest logs; look and see whom you worked in N. California and Nevada. Perhaps there are some non-members whom you could approach. Email addresses are frequently available on QRZ.com. If each of us could find one new member, we could double our ranks, and make NCCC an even more formidable force in the big club competitions.



Board of Directors, 2021 - 2022 Contest Season

- President: David Jaffe, [WD6T](#)
- Vice-President and Contest Chairman: Andy Faber, [AE6Y](#)
- Secretary: Gary Johnson, [NA6O](#)
- Treasurer: Stefan Nicov, [AF6SA](#)
- Past President: Jack Brindle, [W6FB](#)
- Director: Bob Cox, [K3EST](#)
- Director: Rich Smith, [N6KT](#)
- Director: Roberto Sadkowski, [K6KM](#)

Volunteers

- Charter Member: Rusty Epps, [W6OAT](#)
- Awards Chair: Gary Johnson, [NA6O](#)
- California QSO Party Chair: Dean Wood, [N6DE](#)
- JUG Editor: Saraj Cory, [KU6F](#)
- K6ZM QSL Manager: TBD
- K6CQP, N6CQP, W6CQP QSL Manager: Ed Muns, [W0YK](#)
- NAQP Flogger: Fred Jensen, [K6DGW](#)
- NCCC Email Reflector Administrator: Phil Verinsky, [W6PK](#)
- NCCC Thursday Night Contesting - NCCC Sprint: Tom Hutton, [N3ZZ](#)
- NCCC Thursday Night Contesting - NS Ladder: Bill Haddon, [N6ZFO](#)
- NCCC Thursday Night Contesting - RTTY Spring and RTTY Ladder: Ken Beals, [K6MR](#)
- NA Sprint Flogger: Bob Vallio, [W6RGG](#)
- Webmaster: John Miller, [K6MM](#)
- Webinars: Bill Fehring, [W9KKN](#)

### 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](http://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](http://www.ncccsprint.com)  
 Ladder Scores Manager  
 Thursday Night Contesting Advisory Group

Bill, [N6ZFO](#)  
 Tom, [N3ZZ](#) (initially Ken [N6RO](#))  
 Ken, [K6MR](#)  
 Bill, [N6ZFO](#)  
 John, [K6MM](#)  
 Tim, [N3QE](#)  
 Bill, [N6ZFO](#) Chair  
 Mark, [K6UFO](#), (with [W4NZ](#), [N4AF](#), [W9RE](#),  
[K4BAI](#), [N3BB](#), [VE3TY](#), and [WO8H](#))



## **PRESIDENT'S REPORT** (continued from page 1)

Our goal must be not only to find new members, but also to make sure they are supported once they are voted in. To do that, we must continue to reach out to them, make them feel welcome, answer their questions patiently, help them with antennas and other challenges, and provide mentoring opportunities. A contest is only as much fun as the level of participation. The more operators we "infect" with the contesting bug, the more excitement, fun and challenge for everyone.

There is also a public relations aspect to this: When posting to the reflector, please do keep new members in mind, and be sure that your comments are positive and constructive. While we all have our hearts in the right place, take a moment to ask how a new member might be reading your message (I am as guilty as anyone of forgetting to take this into consideration.) Projecting a positive image of testers is as important as promoting contesting itself.

One of the best ways to help new members is to invite them to your station to observe you operating and, to take a turn at the operating position. This is not solely altruistic; it can be a boon to the station owner as well. Some of us are approaching the "venerable" age where we may no longer be willing to put in 48 hour shifts; having a partner to share a Multi-Single effort can be a real advantage, as it enables you to contribute a top score to the club while keeping the abuse of your body down to a dull roar.

So please pay attention to the vote-in of new members, take note of who is in your area and consider reaching out to them. The tester you help today may be the one that helps us win collectively tomorrow (or provides competition that keeps us on our toes!)

### **Part 2, OK, I'm a Member, What Now?** (to the new members)

As a new NCCC member, what do you need to know? Although the Welcome E-Mail has some basic information about the reflector and such, there is quite a bit of context to absorb. I did an informal survey of several "rookies" (those who have been with the club less than three years); the remainder of this article is based on their input.

It is easy to be intimidated by the fact that we have some of the world's leading testers in our ranks. However, keep in mind that our membership is very diverse. There are those who have been dedicated testers for sixty years, while others have just started on their testing journey. Some never venture above 10 meters, while others rarely dip below 6 meters. There are intrepid travelers who voyage to distant DX locations and mount gargantuan efforts, while others test from the comfort of their own backyard. Some build massive stations with



numerous towers, while others are antenna-restricted and need to operate only with stealthy wires, operate only from their cars, or backpack up mountains to make contacts with battery-powered gear. There are those who enjoy QRP (5 watts) and others who wouldn't be seen in public with less than a full gallon. This great variety makes NCCC a rich environment for learning, making friends, and sharing the passion for contesting.

### *NCCC Meetings*

Although for the last two years, our monthly meetings have all been on Zoom, historically we have had in-person meetings involving lunch or dinner and a presentation. We expect to resume such meetings as Covid winds down. There is also typically a summer outdoor picnic. Since our membership extends over such a large range, it is not practical for everyone to attend every meeting, so we try to move the meetings around. We also have Zoom coverage of all meetings so those who cannot attend in person can still participate.

### *NCCC Contest Categories*

One possible area of confusion is the various categories of contests that we participate in. There are now four different categories:

- "Focus" contests
- "KB" contests
- The "Champion of Asia-Oceania Challenge" contests
- Other contests

At the top of the list are "focus contests." Each is an all-out effort in which we ask every member to get on the air and put in as much time as he or she can. We compete as a club against other large clubs and every log and every point contributes to our success. For example, in 2022, ARRL RTTY Roundup was a focus contest and it looks like we have another win, beating out the other large clubs. ARRL contests have three club categories, "unlimited," "medium," and "small." Unlimited size requires at least 50 logs, "medium" is 11-49 and "small" is 10 or less. NCCC competes in the "unlimited" category, which means there is no issue of our having too many logs: the more, the merrier. Other contests do not have club size categories, but still support club competitions, while some contests have no club competition at all.

Another category of contests are those in the "KB" list. "KB" stands for "kick butt," and is the club rallying cry. The KB competition is strictly within the club; members compete against one another. There is a particular set of contests that count towards the KB competition (some are also focus contests). To compete you merely need to report your score to the web site [3830scores.com](http://3830scores.com). If you have signed up for the email reflector, you have no doubt seen numerous



emails where people post their scores; there are simply the postings to 3830scores.com. Members share them on the email reflector to let other club members know about their activity. It can be quite interesting to read the comments people add to their postings. Even if you only make a few QSOs, please do post to 3830, and also to the reflector. The winners of the “KB” contest receive handsome plaques or certificates at the end of the year (see “Awards” below.) In addition, there are several brackets, Platinum, Gold, Silver and Bronze. This allows smaller stations to compete effectively.

Another contest within the club is the “Champion of Asia-Oceania Challenge.” This is a new competition, only in its second year. It is designed to encourage participation in Asian and Oceanic contests in which we on the West Coast have a good chance of doing well, unlike the many contests that are European-focused. The prizes for this contest are Starbuck’s gift cards, as well as certificates.

Finally, there are numerous contests that are in none of the above categories, including most state QSO parties, various DX contests, etc. Don’t assume that you are not encouraged to participate in them just because they are not in any of the above categories. If you participate in one, please post to 3830 and the reflector and share your thoughts about the experience.

A complete list of contests can be found on the web site [contesting.com](http://contesting.com). Click on “This week’s contests” to see what is happening for the current week. If you then click “12-month,” it will show you the entire yearly contest calendar. There are contests nearly every day of the week, not just on weekends.

It is always a good idea to send in your log for every contest in which you participate. This is easily done via the contest web site. Submitting your log enables log-checking for the stations you worked, and you may be surprised to discover you are a winner in your state, region or power category, even if you only make a few points. Of course, for focus contests, it is essential that you submit your log so that the club can get credit for your contribution to the team effort.

### *NCCC Awards*

April is our annual awards meeting. Awards recognize achievement and contribution to the club. Although dues in NCCC are optional, only dues-paying members are eligible to receive awards. This seems only fair, as it costs money to produce and distribute these handsome plaques and certificates.

There are several categories of contest-related awards: First, the top three winners in each level of the KB contest win plaques, and the top five receive certificates. There are also awards for the “Champion of Asia-Oceania Challenge.” In addition, there are awards for achieving certain



performance levels in particular focus contests. For example, in 2022, RTTY Roundup operators who make 100 or more QSOs receive a certificate, and those who make over 500 QSOs receive a plaque (if it is their first time achieving this level.) There are similar awards for other QSO milestones.

Another set of awards is given to recognize exceptional contribution to the club, operating excellence, and other categories. Finally, there are some “president’s awards,” given at the discretion of the NCCC president.

One award that beginners should be aware of there is given for scoring a total of 5 million points in *any* number of contests during *any* period of time. This plaque is given on a one-time once-per-person basis. While 5 million may seem like a daunting goal, you will be surprised how quickly the points add up. If you’re new to NCCC but not to contesting, you may have already made 5 million points. To apply, you simply provide a list of the contests and the point totals to the NCCC Awards Manager.

### *Making the Most of Your NCCC Membership*

If you see something on the reflector that is puzzling, don’t be shy to post a question. We were all new to the club and/or contesting at one time. In addition, there is a vast wealth of technical know-how in the club, so feel free to reach out if you need help with antennas, rig configuration, software, or any other aspect of ham radio contesting. The web site is also worth perusing, as it serves as an archive for numerous presentations and videos.

Future issues of the JUG will also contain additional tutorial articles.

Now that Covid restrictions are beginning to lift, there should be more opportunities for face-to-face interaction, both at in-person meetings, and in mentoring situations.

Welcome to the club and see you on the air!



## **AE6Y VP/CC ANNUAL ELECTIONS**

For the coming club year, we have the following proposed slate of officers. We will be voting on this at the April Elections and Awards meeting. Thanks to these new volunteers for stepping up. Additional nominations are also welcome right up to the hour of voting.

President WD6T  
VP/CC AE6Y  
Secretary AA6W (incoming)  
Treasurer W6DMW (incoming)  
Director K3EST  
Director N6WM (incoming)  
Director AJ6V (incoming)  
Past President W6FB

73,  
Gary NA6O  
NCCC Secretary

### **AE6Y VP/CC JUG Column April 2022**

I want to start out talking about WPX, a focus contest for the Club as it has been many times over the years. In fact, I remember we won it circa 2002, with a splendid effort that resulted in 253 million points, thus barely breaking the then club record held by the Contest Club of Finland. Needless to say, neither they nor we had established record WPX scores solely from our home territories – more on that later – but a nice thing about WPX is that CA stations can easily achieve scores of over a million points from their home stations, thus contributing significantly to a Club effort.

WPX SSB this year was apparently a blast. I say “apparently” because I unfortunately experienced the contest only vicariously while on a family vacation in Bend, Oregon. But there were many excellent club scores posted on 3830. Here are the most outstanding ones (with apologies, as always, to anyone omitted):



Station	Qs	Mults	Hrs	Score
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Multi -2

WC6H	4770	1024	48	9,895,936
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(ops K6XV KH7Y NC6R NR6Q WC6H WK6I WX6V)

Multi/Multi

NR6O(@N6RO)	5900	1196	48	15,372,188
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(ops K3EST K6AW KK6PXT N6RO N6WM VA7RR W6DMW WD6T WX5S)

SOABHP

PJ4K(N6KT)	6431	1245	36	29,119,305
KK6P(W7IV)	3161	952	36	7,727,384
NF6A(K6XX)	1822	681	23	3,834,030
NJ6G(N7MH)	1575	679	24	2,452,548
KH6TU(AD6E)	779	336	11	1,076,544
AJ6V	1045	500	17	941,000
KE8FT	747	414	30	623,070

SOABLP

P4ØL(W6LD)	4140	1022	36	14,486,850
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The total score from just these postings is over 85 Mega-points! These are some terrific scores, with particular congratulations due to the high domestic scorers, as well as N6KT and W6LD, both of whom appear on their way to being world-wide #1's. Way to go, Club!

Let's put on a good show both as travelers and from home for WPX CW at the end of May. For myself, I'm going back to our P40L/P49Y station for CW as I did last year. That time I did a Classic 24-hour effort (finishing behind KP2M to get the silver medal), but I think I'll go back to a full 36-hour effort this time. It's more work than 24 hours, but just having 12 hours of off-time makes it so much easier than a killer 48-hour contest like ARRL DX or CQWW.

WPX remains essentially the same contest it has been for many years, so I'm going to reprise some of two columns I wrote for the JUG in 2001 and 2002. Note that there seemed to more DX venues easily available then than now. Of course, there are now two bright spots in the travel scenario: (1) with Covid loosening up, travel is more possible and less scary than it was last year (though air fares



seem to have shot through the roof, judging from my futile attempts to resuscitate the relatively economical fares that were routinely available to Aruba pre-pandemic); and (2) remote operation is now becoming almost commonplace, and certainly should be explored by any DX location.

Anyway, here's some nostalgic column-ing. Note mention of many callsigns still active 20 years later.

*From Jan. 2002 JUG:*

*Now it's time to turn our attention to the 2002 contests, and in particular to WPX, which we established earlier this year as being our second club goal. Here's a poem about that (with apologies for the uncharacteristic R-rating, but it's a difficult rhyme to make):*

*On to the "Nex..."*

*Sweepstakes continues to vex  
As East Coast clubs put on their hex.  
What's better than sex?  
To be contest DX  
And triumph in W-P-X.*

*January is going to be a very interesting panel presentation on contest DX-peditioning. We need lots of such efforts to prevail in WPX. There is a wider choice of venues than ever, as rent-a-QTHs have sprung up all over the world.*

*Possibilities for club members range from established superstations that we hope will come out in WPX, like HC8N, run by N5KO, W6NL, K6AW and N6KT, to bring-the-gear-and-put-up-the-antennas FD-like operations, like the 6Y exploits of Team Vertical, led by K2KW and N6BT. In between are wonderful places like ZF2NT's Little Cayman paradise, P49V (AI6V), and lots of QTHs for rent, such as the WP2Z hilltop station in the Virgin Islands (a haunt of N6DE) or the Villa Rose (used by AJ6V among others), and the 8P5 venue of W2SC, NH7A's and AD6E's Hawaiian locales – gosh, just listing a few makes me realize how much variety there is.*

*Also possible are expeditions within the U.S. and Canada to established sites. Particularly on the East Coast, a WPX expedition can give us Left Coasters the ability to feast on endless European pile-ups – the kind we used to see with JA's.*

*And don't forget the fun of simply operating your own station from home. Unlike CQWW and ARRL DX, in WPX the multiplier structure allows one to make a most credible score from home in*



*California or Nevada, particularly if you have, or can borrow, an interesting prefix for the occasion. Great scores have been turned in from W6GO (N6IG), W6NL, NR6O (N6RO and company), WC6H, W6YX (W6LD, N7MH), etc.). Even from a more or less average station like my own, 3M points per weekend is readily achievable. And many other stations of club members have greater potential than that, e.g., K6KM, K6ZM, K6TA, N6TV, K6RIM, W6OAT, and others (don't mean to slight anyone; the point is that lots of points can be scored locally just by putting in the effort).*

*It's also a relatively easy contest to operate. The exchange is just a report and serial number, and because the multipliers count only once, there is no need to worry about moving mults from band to band. Even if you have an antenna for only one or two bands, it's possible to turn in a high score – a determined 10 or 15 meter effort can score about as well as an all band attempt, particularly on phone.*

*From July 2001 JUG:*

*We have won WPX at least six times. The first time in the mid-80's was a new WPX club record of 38 million points! (For reference, the current club record appears to be the Contest Club of Finland's effort last year at 250M points). It's not just better operators, antennas or software; rather, it's clear that WPX has grown enormously in popularity in recent years.*

*Kenny, K2KW, posed an interesting question to me by email prior to the meeting. He wondered if it was a good idea to work up people's enthusiasm for WPX, getting members committed to spending their own money for contest expeditions, if we couldn't go all out and really be triumphant next year.*

*During our discussion of WPX, I posed this question to the assembled multitudes, and the roar came back: Yes, we can do it and it's going to be an exciting experience. There was universal agreement that with a combination of strong efforts from good stations in California, coupled with maximal use of club super-stations abroad, and a substantial effort at expeditioning, we should be able not only to win the contest, but also to break the club record.*

*The discussion on WPX was wide-ranging. We came up with the following principles to win it for the club:*

- 1) Put on a major effort from good stations in California. Good scores can be achieved from California. Carl, AI6V, volunteered to be the US station coordinator. Barry, K6ST, volunteered to comb through past results to look for non-NCCC members in our territory who could be signed up.*



- 2) *Where appropriate, go up a category, regardless of where that puts you in the standings for that category. For example, in WPX, single ops can work only 36 hours, but multis can go the full 48 hours. Even with one transmitter, if you can get someone else (who would not otherwise be contributing a score) to share the load, entering multi-single will allow your station to be used 48 hours, with fresher operators, and resulting higher score. Similarly, if a station has the capability to have two transmitters on simultaneously, consider a multi-multi operation, even though it's not competitive against larger multi-multi setups. There was a general consensus that spotting nets aren't helpful in WPX due to high error rate in the spots (and the general availability of multis anyway).*
- 3) *Use rare prefixes. Either borrow someone's 2x1 callsign, or get a special assignment from the FCC. My understanding of portable ops is that you can choose any valid prefix. If you are at a modest station, then choose an interesting portable identifier, like W7ABC/KQ6 (though a stronger station might actually have a higher rate with a simple prefix, as K6LL/7 seems to have every year)*
- 4) *Maximize efforts from overseas contest stations owned by club members, such as HC8N, P49V, ZF2NT, and the like.*
- 5) *Encourage members to go on special expeditions for the contest. A major contribution to the club score has to come from ad hoc expeditions. There are lots of QTH's now available.*

Back to today:

Some other results worth noting from recent articles  
CQWW SSB 2021

These are all top West Coast scores:

Multi-Multi

K3EST (@N6RO) 5.15M Points (ops K3EST K6AW K6KM N6RO N6WM NT6V WD6T)

M-2

W6YX (ops K5AN K6TJ KN6DOC N7MH W6LD) 2.98M

SOAB(A)

KK6P (W7IV) 3.27M

Way to go, guys! Who says we can't do well from the West Coast in CQWW??  
And in CQWW CW, from 3830:



Multi-Multi

N6RO 6.17M (ops K3EST K6AW K7GK N6RO N6WM WA6O WU6P WX5S)

SOAB (A)HP

W6YX(N7MH) 3.57M

N6JV 1.15M

N6IE 1,02M

SOABHP

K6XX 3.19M

Classic

AJ6V 684k

QRP

W6JTI 287k

Multi-Single

ZF1A 13.4M (partial NCCC: ops KI6RRN KN8U N2NL NT6V W9KKN WD6T)

Upcoming Contests

April 9 JIDX CW (Part of All Asia Challenge)

April 16-17 Ontario QSO Party (to thank them for their participation in CQP)

April 17 Quebec QSO Party

April 24 NA Sprint SSB

May 28-29 CQ WPX CW (a Club Focus Contest)



**Announcing the 2022 edition of the “Champion of Asia-Oceania” challenge**, a new intra-club competition devised by our guru of the Pacific, Bob K3EST.

There are six well-participated contests where a California station can win and/or have fun. Based on how many of them in which you participate, you will automatically be entered into a category (see below). The winners will be announced on November 20th of each year.

### **Eligibility:**

Any single operator category. You must enter 3 of the 6 contests to be eligible.

### **Results Calculation:**

The Challenge is based on the total, combined QSOs worked in all 6 events. Your result is determined by your [3830](#) entry.

### **Awards:**

The winner of each level is determined by total QSOs

The winner of the Gold level (1st place) = \$50 Starbucks gift card + certificate

The winner of the Silver level (2nd place) = \$30 Starbucks gift card + certificate

The winner of the Bronze level (3rd place) = \$20 Starbucks gift card + certificate

The runners up (4th-6th place) = certificate

### **Contest List:**

Here are the 6 contests, in order of occurrence within the contest calendar. Each contest has a CW and SSB weekend. A maximum of 5 of the 6 contests will count towards your QSO total.

**APRIL: JIDX CW Japan International DX Contest.** Second week. The world works Japanese stations. 30 hours (0700z Sat – 1300z Sun) <http://www.jidx.org/>

**JUNE: ALL ASIA CW All Asian contest.** The third weekend. 48 hours. The world works Asian stations. [https://www.jarl.org/English/4\\_Library/A-4-3\\_Contests/2021AA\\_rule.htm](https://www.jarl.org/English/4_Library/A-4-3_Contests/2021AA_rule.htm)

**SEPTEMBER: ALL ASIA SSB All Asian contest.** First weekend. 48 hours. The world works Asian stations. [https://www.jarl.org/English/4\\_Library/A-4-3\\_Contests/2021AA\\_rule.htm](https://www.jarl.org/English/4_Library/A-4-3_Contests/2021AA_rule.htm)

**OCTOBER: OCEANIA CW Oceania contest.** Second weekend. 24 hours. 0800z – 0800z. The world works Oceania stations. <https://www.oceaniadxcontest.com/>

**OCTOBER: JARTS RTTY JARTS WW RTTY contest.** Third full weekend. 48 hours. You can work anyone. <http://jarts.jp/rules2022.html>

**NOVEMBER: JIDX SSB Japan International DX Contest.** The second weekend. 30 hours. 0700z Sat– 1300z Sun The world works Japanese stations. 30 hours (0700z Sat – 1300z Sun) <http://www.jidx.org/>

In the most of the contests, the great majority of QSOs are with Japan. The Oceania contests bring out lots of YB stations, especially on 40 SSB. JARTS RTTY is wide-open and you'll work everyone everywhere. All of the six contests have multiple categories.



## TUBE OF THE MONTH

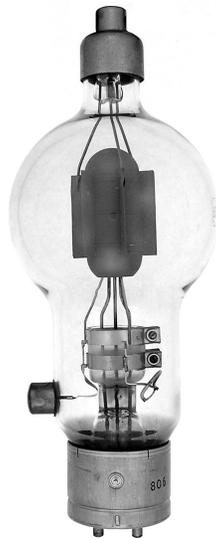
### Norm, N6JV

# 806

I was getting serious about getting my ham license in 1959. In our small town, my father, W6LLA, and his best friend, W6LID, were possibly the first hams in town having received their calls in 1934. I had been looking at the ARRL handbook, but I had never visited a real ham shack. My father drove me across town to visit a ham friend who had a big homebrew amplifier. The amplifier was classic 1950s construction. It was built in a rack with a big butterfly capacitor and plug in coils. The tubes were RCA 806s in push pull. Once when this amplifier was driving an end fed wire using ladder line, the shingles of the house caught fire where the feeders got too close to the roof.

RCA came out with the [806](#) in 1937 and it was obviously an attempt to offer a clone of EIMAC's [250T](#). The 806 was very similar to the 250T except for the large plate and grid caps but was rated at a bit less dissipation (225 watts). The filament voltage and current were the same as the 250T as well as the amplification factor which was close to the 250T "LO" type. The 806 was made for years by several manufacturers. In spite of the long production life, I have actually only seen a few examples which may indicate that it was not as popular as the competition.

Visit the museum at [N6JV.com](http://N6JV.com)  
Norm N6JV





## **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](mailto: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 [secretary.nccc@gmail.com](mailto:secretary.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, [saraj@sonic.net](mailto:saraj@sonic.net), 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: "NCCCCKB"



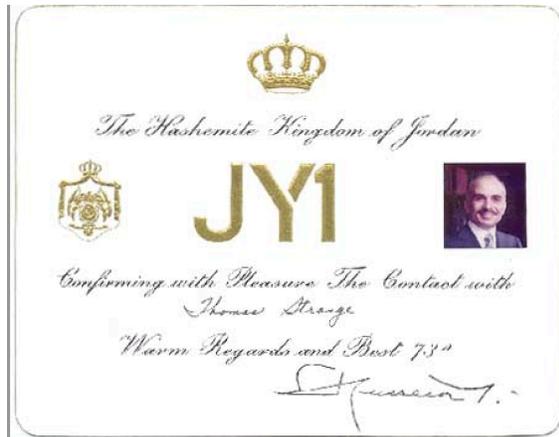
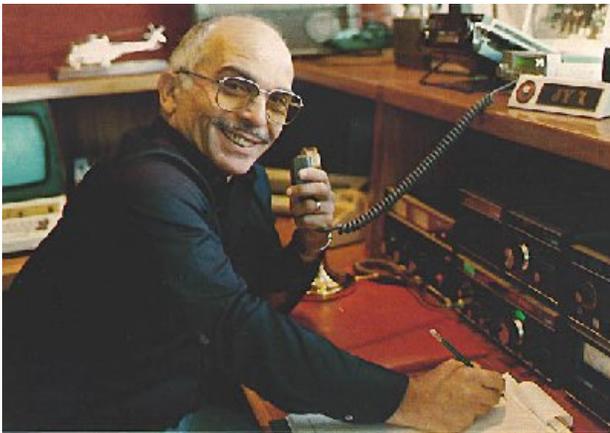
### A Prince, A King, and a Ham .....

I was at a trade show in London demonstrating products from my company. I was told that some VIP visitors would come to the booth after normal hours and be prepared. The Visitors were Prince Philip and the King of Jordan. After the demo was finished I said to the king, I am NW6P. He immediately said that he was JY1, my handle is H-U-S-S-E-I-N, QTH Amman. What is your handle and QTH? I told him I was Tom and I lived in the San Francisco Bay Area.

The king said he would like to invite me and other ham operators to Jordan. He had his assistant give me his card. On one side it said Hussein, The Palace, Amman. The other side was in Arabic and probably said the same thing. I told some friends about the offer and six hams from Southern California went to Jordan to operate in the CQ WW SSB contest that year. All were given business class tickets from Los Angeles to Jordan. They operated at the soccer stadium where a tri-bander and a two element 40 m beam and 80 m dipole were installed.

I was busy with work and a new family and didn't have the time to make the trip. However, I remember working them during the contest.

73 de Tom, NW6P





Acorn Woodpeckers are total Posers. Crane Creek Regional,  
Sonoma County, April 2022. c. Saraj, KU6F





## 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.

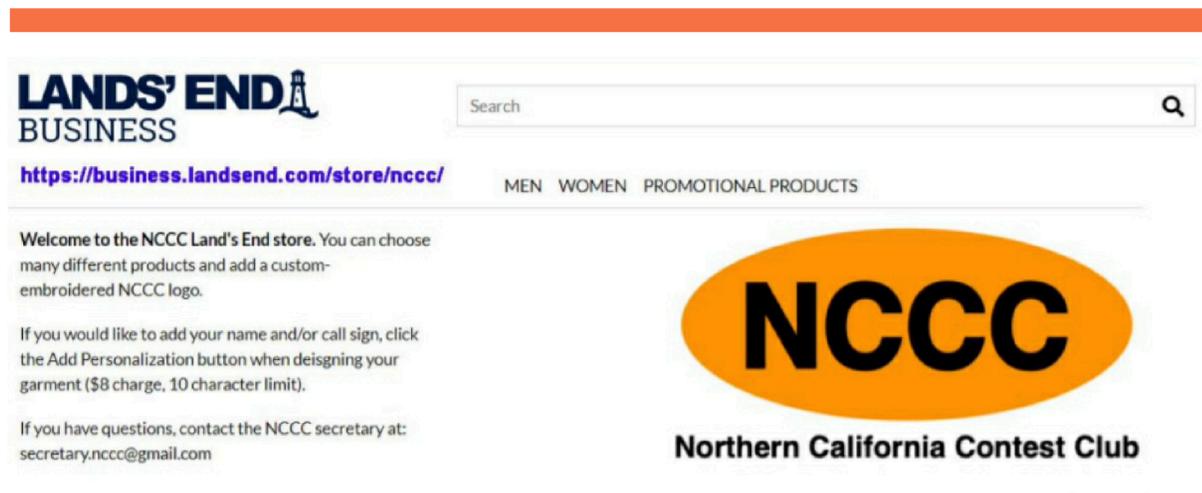
Go to <https://business.landsend.com/store/nccc/> It's easy to use.

From nccc.cc: <http://nccc.cc/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.



# Northern California Contest

Excellence In Amateur Radio  
Contesting

## K4 HIGH-PERFORMANCE DIRECT SAMPLING SDR



### A direct-sampling SDR you'll love to use

Our new K4 transceiver harnesses advanced signal processing while retaining the best aspects of the K3S 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 KPAS500 and KPA1500 amplifiers

The performance of their products is only eclipsed by their service and support. Truly amazing! Joe - W1G0



For complete features and specifications visit [elecraft.com](http://elecraft.com) • 831-763-4211

# Northern California Contest

Excellence In Amateur Radio  
Contesting

Vf N\* . . .

## HAM RADIO OUTLET

MULTI-STORE BUYING POWER!

**ICOM**



**IC-9700**  
All Mode Tri-Band Transceiver



**IC-7300**  
HF Transceiver



**IC-7100**  
All Mode Transceiver



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



**IC-705**  
HF/50/144/430 MHz All Mode Transceiver

**KENWOOD**



**TS-590SG**  
HF/50MHz Transceiver



**TM-D710G**  
2M/440 Dualband



**TM-V71A**  
2M/440 DualBand



**TM-281A**  
2 Mtr Mobile



**TH-D74A**  
2M/220/440 HT

**YAESU**  
The radio



**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**  
2M/440 Mobile



**FT-700R**  
C4FM/FM 144/430 Xcvr

5 Ways to Shop!

- RETAIL LOCATIONS - Store hours 10:00AM - 5:30PM - Closed Sunday
- PHONE - Toll-free phone hours 9:30AM - 5:30PM
- ONLINE - WWW.HAMRADIO.COM
- FAX - All store locations
- MAIL - All store locations

HRO is family owned and operated by active hams!

ANAHEIM, CA (800) 854-0646	OAKLAND, CA (877) 892-1745	PORTLAND, OR (800) 795-4267	PHOENIX, AZ (800) 559-7389	MILWAUKEE, WI (800) 559-0411	WOODBIDGE, VA (800) 444-4799	Shop Anytime From Anywhere with Our Online Superstore <a href="http://WWW.HAMRADIO.COM">WWW.HAMRADIO.COM</a>
PLANO, TX (877) 456-8750	SAN DIEGO, CA (877) 520-9623	DENVER, CO (800) 444-9476	ATLANTA, GA (800) 444-7927	NEW CASTLE, DE (800) 644-4476	SALEM, NH (800) 444-0047	

Contact HRO for promotion details. Toll Free including KL7, VE and KH6. Call will be routed to nearest store. All 800-HRO-lines can assist you. If Busy, you may call another number. Prices, specifications and descriptions subject to change without notice.