

The Contest JUG



Newsletter of the NORTHERN CALIFORNIA CONTEST CLUB
3130 Raleigh Court
Fremont, California 94536

No. 56

January, 1977

Pres: W6PAA. VP/Contest Chairman: WB6DSV. Sec/Treas: WA6VEF. JUG'ED: WA6SFT
Directors: WB6LPK, WA6DQM, WB6CEP. Production and Circulation: WB6DSV (Chief)

PREVIEW OF COMING DISTRACTIONS

Jan. 8-9 VHF SS
15-16 CD Party (CW)
22-23 CD Party (Phone)
24 NCCC Meeting 7:30 Hayward
29-30 CQ 160 Meter DX Test
Feb. 5-6 ARRL DX Test (phone)
5-13 Novice Roundup
19-20 ARRL DX Test (CW)

Feb. 28 NCCC Meeting 7:30 Hayward
March 5-6 ARRL DX Test (Phone)
19-20 ARRL DX Test (-.-. .--)
28 NCCC Meeting 7:30 Hayward

CHECK INTO THE NCCC NET EVERY
TUESDAY EVENING AT 7:30 pm on 3.815kHz
Features a MINI-Contest each week with the
best of operators on the West Coast!!!!

NCDXCC

The Northern California Contest Club was formed six years ago because of a disagreement within the Northern California DX Club over the role the DX Club should play in contests. The rift which thereafter developed between the clubs has been deep and bitter. Enthusiasm for club projects and activities, as well as on-the-air operating, has been dampened since many members choose not to participate in the activities of either club, rather than side with one or the other. Viewed in this light, it is clear that neither club is functioning with optimal effectiveness.

It seems apparent today that the DX Club and the Contest Club each caters to specific needs of certain distinct - albeit closely related - segments of the amateur community. Each club is proud of its history and traditions, and values its separate existence. Through the considerable efforts of many people, relations between the two clubs have warmed somewhat in the past few years, but there is still a long way to go. Many suggestions have been made as to how best to continue the warming trend, but only one seems to offer all these advantages:

1. Provide a means whereby members of each club can work together for common purposes;

2. Get large numbers of members more actively involved in club activities;
3. Help heal past rifts and eliminate bitterness
4. Preserve the separate identities of the NCDXC and NCCC;
5. Make the annual Fresno Convention more meaningful for all concerned;
6. Allow us to compete effectively for National Titles in DX competitions.

The suggestion advanced to provide these advantages is to create the Northern California DX and Contest Cooperative - the NCDXCC. It is envisioned as a distinctly separate third organization having as its purpose:

"To provide a vehicle for cooperation between the Northern California DX Club and the Northern California Contest Club for any activity or purpose within the scope of the By-laws of either of those organizations."

As its name suggests, the NCDXCC exists to promote cooperative activities between the DX and the Contest Clubs and to provide a means whereby they can pursue mutually desirable goals.

Membership in the NCDXCC will be com-
((QSY to Page 2, Pse))

prised of all members of the NCDXC and NCCC, its territory will be congruent with that of existing NCDXC and NCCC areas, and its operations will be controlled by a Board of Directors appointed by the DX Club and the Contest Club.

The Boards of Directors of the DX Club and the Contest Club have discussed the NCDXCC in detail, and have both unanimously approved the concept. In the straw vote taken at the November Contest Club meeting, the NCDXCC received the endorsement of those members present. What needs to be done now is to have extensive discussions before the full memberships of both clubs and to formally vote whether or not to create the NCDXCC.

We are rushing to organize the NCDXCC before the end of January in hopes it can carry the Northern California banner of us in the ARRL DX contest in February and March. If we succeed, we should see enthusiasm and a level of activity unlike anything we have experienced before. Our goal is to win the club competition nationally. I firmly believe we can do it, and that now is the time to show the East Coast powerhouses that Northern California is indeed a force with which to be reckoned.

Rusty Epps, W6OAT

MESSAGE FROM FEARLESS LEADER...

Another memorable NCCC year has concluded topped off by an outstanding Awards Banquet on December 18th. The largest turnout ever enjoyed Zorba's fine dinner and belly dancers (kudo to VP DSV for all the FB arrangements) and a stellar awards presentation by CEP, DIL and OAT. Distinguished guests included BHY, MAR (now K6NA), RTT and YB. Achievements during our Bicentennial Year were many: notably what appears to be yet another CEP-inspired NATIONAL WIN in SS; a Herculean, though non-winning FD performance (never again 'til next year, eh Bruce?? at least we know how to put up a whole ridge full of towers) and another successful NCCC-sponsored California QSO Party-WA6DQM honchoing this one. Other headliners were the NCCC operation at the Pacific Division Convention as NC6CC, a big club showing in AA, the DSV-OOL-RGG DXpedition to 5W1AZ, several mountain top expeditions by our own record-setting VHF troops JUD, KLY, VEF, BMV et al,

and the social events at Fresno, K6SG picnic and the Sunnyvale Olympiad.

There were scores of individual operation efforts recognized by the JUG, QST, CQ, etc and many outstanding contributions to club affairs; however, one individual's efforts for the good of the club shined above all else. Bruce Swearingen, WB6LPK, was chosen the Contestor of the Year for his work as Chief of the Erector Set. Bruce climbed literally thousands of feet of tower, manhandled several tons of aluminum, steel and concrete at over a dozen NCCC members antenna sites during the past year. Through his skill, time and sweat, we were able to score an even more impressive win. Well done, Bruce!!!

Another, "Well, done", goes to the JUG Editor, Tom, and to George for their literary and publishing labors.

The Club will repeat many of last year's events in '77 and we are already planning for some: a massive effort in the ARRL DX contest in cooperation with the NCDXC; FD in June; Fresno in April; and something new - a charter flight to Dayton in May for a super contestor gathering. These and other items of Club interest will be aired on the Club Net Tuesday nights at 7:30pm on 3.815, and at the coming Club Meeting at Hayward on Jan. 24th. Join us!!

We were fortunate to welcome over 40 new members to the club in '76 and are looking forward to getting to know them better and urge their support in club happenings. Thanks to all Club members and especially to the ladies who supported and endured our contesting antics for a banner '76. You really made the Bicentennial Year something to remember.

73, Ken
W6PAA

Mini-Contest Results January 11, 1977:
WBØDJY 20/8 (rubber clock)
W6RTT 16/7 (ditto!!)
WA6SFT 12/5
K6STI 11/7
K6HIH 10/5
WB6HDH 10/5
WA7NIN 9/6
K4PUZ 6/5
K6PJY 7/4
W6GFF 5/3
K6QPH 4/4

CONTEST CHAIRMAN'S CORNER.....

What a year 1976 has been!! The Chinese may have all the dragons, but the NCCC has all the KB'ers! Even bigger things are shaping up for the NCCC in '77, and just around the corner is the big 'ol ARRL DX Contest. Come to the January 24th meeting and join in the fun and get in on the details for the hints and kinks for the test.

Congrats to K6KLY for his #1 SCV finish in the September VHF QSO Party, not to mention his handsome? picture gracing the pages of QST! Well, a Pacific Division Record rewarded Russ for all his hard work. Congrats are also in order to WA6JUD who braved 40+ mph winds to win Contest portable seven for the state of Oregon. Also in the contest were: the WA6VEF multi-crew; WB6HCI and WB6PYI who helped K6GSS take the Pacific Division Multi-op; K6QAX and WB6EMR, W6KQG winning SF Section (again), and W6YKM taking SJV. Nice going, guys!!!!

The high-claimed for the October CD party are out and no NCCC-er could be found, even after looking around on the edge of the page. Guess we were all getting ready for that contest nettime in November! Hope to see some NCCC people with appointments in the January CD. (Ed. note - George can now operate legally in CD parties, 'cuz W6CF presented him with an OO appointment at the Christmas Banquet.)

Remember 59 CAL in February and March.

73 es KB,
WB6DSV, George

Fore Sail and Other Things.....

4-1000 Amp R. F. Deck complete and all parts for power supply...\$500 call W6GFF

ROOMMATE WANTED to share QTH in mid-peninsula with Russ, K6KLY. Many extras in this bachelor pad. Also WANTED, Rohn #6 sections or complete tower, GONSET 80-10m Amp.

For Sale 37' Crank-up Tristao guyed tower - very small for \$50.00 All above ^{K6KLY} 592-3165

ATLAS 215X-NB, AC console and external digital readout. The 215X and console are brand new, original cartons, never used. Digital readout was used about a month. List price is - \$1,047.00, but will sell for \$850 or trade for a Collins S-Line or other Collins equipment (like 30L-1, etc.). Call/Write Deane Yungling, K6RLY, 8002 California Ave., Fair Oaks, CA

zip 95628, Tele: 916-961-4031 or 961-4603.

For Sale - Kenwood Pair, T599 and R599 with 2-mtr convertor with original cartons and only used on contest weekends. Been standby rig for past year and half. SB-200 amp also used as standby rig. Tom, WA6SFT (WAØENP) 1873 Granger Ave, Los Altos 94022. 415-964-5554 or work 415-941-7641.

POWER SUPPLY and other amp parts - 47.4Mfd 4.5KV Capacitors, 7200VCT @ 1 Amp transformers, Jennings 500pf 15KV Ceramic vacuum variables w/turns counters, Coax relays for RG-17, one only 4600 volt transformer at 1.5 A plus, and super power three-phase power supplies made to run 5-10KW continuous some complete with pair 4-1000 for 40mHz. Last but not least, pair of 4PR-1000 (pulse-rated 4-1000). Contact Tom, WA6SFT (ØENP)

NEW KID ON THE BLOCK - LCDR. Scott Redd KØDQI is now /6 in Monterey. Scott perhaps is better known as XE1IJ, CX3BBD, 3V8DQ. Welcome to the area, Scott and hope you can join us at a meeting or two.

PARTIAL LISTING OF 160 and 10 Mtr Scores: 160--

K6STI/6 from the antenna range at his work QTH using dipole @ 100': 323/62

W6KQG using his Beverage (non-liquid type) topped his last total ending about 350/64

K6HIH remaining secretive, but also did better than last year. Lost antennas in the storm.

WA6SFT in first top-band try goofed around for a hundred/32

10--

Seems that we had a lot of activity, but the JUG Folder is pretty void. Hope you guys will try and keep it choked full of good info

W6PXG : 449/53

AA6MQS : 334/38

WA6SFT : 300/41

There was a tremendous opening to the East on Sunday mid-morning running to almost noon. Rates of 150 to over 200 were run in an hour by many of the KB-Crew. Later in the evening the E-layer opened up and every ham in Colorado was heard from.

THE STORY OF THE YEAR, by Cliff, K6HIH

You can't believe what happened to me during the CQWW CW. One and a half hours into the ((QSY onward to Page 4))

contest, the power went off. It did not come on for another seven hours. I went to bed, set the alarm for 4am to work JA's on 40.

I got up and tried to load my rotary dipole, but it would not work and gave me 800 watts back, and not much more than a whisper out! I took a flashlight and strolled outside to find out just what could have possibly gone wrong. Well, half of the antenna had blown clean off and was found in the back 40 of my property (sounds like a logical place for it to end, Ed.).

Back inside, I tried 80 meters. With no luck, I went back to bed and set the alarm for 7:30 AM to catch the opening on 20 to Europe. Was running a good rate for about an hour and 20 minutes and the power went off again. Called PG&E.

PG&E did not know how long the power would be off. Went back to bed and told the wife to wake me when the power returned. Power came on at around 2:00PM.

Loaded up on 15 meters and heard 5W1AU working guys like crazy, then happened to check the SWR. OH, OH. Had 700 out and 600 back. Went out to the tower to see what was going on. The half of the 40 meter dipole remaining had blown around and had wedged itself into the 15 meter beam, effectively shorting out the driven element. That put an end to the 15 meter operating. One crummy QSO on 15.

To top it all off, the 160 mtr antenna had also broken and had successfully wrapped itself around the 10 meter driven element. Not only that, but in rotating the beams, half of the 10 mtr driven element had been broken off - no 10 mtr QSO's.

Never fear - ran some JA's on 20. Still had my 40 mtr delta loops headed East and managed a few QSO's on 40. However, this didn't last too long, for the wind was still blowing up a storm at 75+ mph and broke one of my delta loops for 80 and this in turn fell on to the 40 mtr delta loops doing a superlative job of wiping them out, too. This also took out my other 80 mtr delta loop, leaving me with only a sloper on 80 and my 20 mtr beam.

I had started this contest with nine antennas and now had only 2 left! My wife was taking care of my 2 yr old granddaughter. Sunday (with wind still blowing at 70+mph) morning, my wife awoke very sick. She was so bad that she stayed in bed. This then left me with a very sick wife and a 2 yr old to tend to between QSO's made with my remaining 2 antennas.

Managed 427 QSO's and 102 multipliers, giving

me only 124,440 points. Last night after the net, I read where my CQWW Phone log had be in by Dec. 1 or they would not be any good. So there I was with 1195 QSO's to dupe. I was up until 1:30 AM getting the logs ready, but after all the work - it's still worth it! Here is my score:

Band	QSO	Zone	Multi	Points	Total
160	13	5	5	12	120
80	95	15	23	262	9,956
40	160	15	24	437	17,042
20	467	29	55	1,355	113,820
15	404	19	39	1,154	66,932
10	38	9	14	65	1,495
		1,177	92	160	3,285

Total points $92 + 160 \times 3285 = 827,820$ pts.

Not too bad, but should have done better. Now to dupe my SS Phone logs!!!

73's Cliff, K6HIH

SCCC VS NCCC ON FIELD DAY???

The gauntlet has been thrown northward to our fair club from the SCCC to participate in a category of FD. The category to compete in to be the selection of the NCCC. Guess we could request something horrendous like eleven transmitters, but in the true spirit of competition, we should probably be a bit (only a bit, now) more realistic.

The NCCC is open to suggestions by the membership and should begin to make preparations as soon as possible. The tentative FD Head is WALKID and all ideas should be routed to Bob as well as being discussed on the air and at the NCCC regular meetings.

It sounds like a good way to once and for all dispell any thoughts of other upstart clubs that they can waltz in and beat our super club!!! It should for sure put a large amount of ZIP into the NCCC FD effort.

Give it some thought and let the club know what your ideas are. Remember geographic advantages/disadvantages et al in preparing your suggestions.

CQ FD, George, WB6DSV

Gee, did I ever have a great time at the NCC Christmas Awards Banquet. And those belly dancers, were they ever

Mini-Contest Results January 4, 1977:

WBØDJY 23/10	WA6MQS 10/6
V 6OLD 25/9	WB6JGS 9/4
WB6ZVC 24/9	W6OAT 6/5
WA6SFT 19/8	W6KHI 3/3
K6HIH 15/8	

Check into the NCCC net and join in the fun each time! Formats vary and there is always a great bit of excitement generated around 3.815. Most nights there are fellows who will make a few contest QSO's from the east coast, midwest and who knows where. Really a blast to stir up the bands and increase the normal humdrum to a loud roar. Terrific time to check out your new antennas, too.

Some Final SS Scores:

WA7NIN - 1,773 / 75	Other partials rec'd:
WA7WXY - 1,757 / 75	1,502; 74; 984; 75;
WB2OEU - 1,737 / 75	1,133; 1,012; 71.

CQWW CW and PHONE SCORES (need more):

AA6MQS cw, 80 only - 140Q; 12Z; 16C = 9,604

K6UD (WA1KID + WA6TLV) cw about 1.1 MEG

K6UD (WA1KID, op) SECOND IN THE USA PHONE with 1.471 MEG. Great effort to the recent east coast transplant (must like the JA runs!). Bob did not operate in the SS Phone 'cuz UD wanted him to work on the antenna farm for the CQWW. Looks like they knew what they were doing!!

PROPAGATION, or how to know where it's at...

As most of you have, hopefully, noticed in the January issue of QST, there is a new feature. To fill in the gap voided by WWV reports and to help amateurs in their quest for knowledge and better operating skills, QST is now publishing their own computer-generated propagation reports, complete with weekly updates on the air via W1AW bulletins.

The charts show the paths from the West Coast point (which just happens to be San Francisco) to the major parts of the world and also to the East Coast. They indicate by actual UCT time the muf having ionospheric support on 50 percent or more of the days in the month (this value will be exceeded half of the time) and also give a lower curve which is the estimate of the frequency having ionospheric support on 90 percent or more of

the days during the month.

Being of the type to always want to try out something new, especially if it has to do with propagation, I decided to give the charts a good try. By gosh, if they didn't work very well. Even the 10 mtr openings which were a ways over the top curve came to pass a few times. These charts and associated game plan strategy for the ARRL DX Contests should enable us to increase our scores.

SPEAKING OF THE ARRL DX TESTS....

All of you have read the headline article on pages one and two. While there will certainly be a lot of coverage at the January 24th meeting, a few more words should be said at this time.

The Northern California DX Club had its regular meeting last Friday evening (Jan 14th) and Rusty Epps (W6OAT) presented the same information to the group. It was met with a level of enthusiasm that should convince anyone of the sincerity and willingness of the NCDXC to enter into this cooperative effort. It also **should have** convinced everyone that the newly-formed and organized NCDXCC will, that is, **WILL WIN** the ARRL DX COMPETITION!!

The members of the NCDXC are ready and able to work with us to maximize the effort. Those of you who either need a station, equipment or operators for the contest, get in touch with either Rusty or Ken (W6PAA), but whatever you do, do it!!! Now is the time for all good contestors to come to the aid of their number one club in the country.

NUMEROUS TELEPHONE & ADDRESSES TO BE CORRECTED and/or CHANGED.....

W6CF/W6CUF B:408-742-8271
 K6AAR H: 714-998-5513, B: 213-998-2212
 K6AYA B: 209-529-5496
 K6MA B: 415-493-4000
 K6QX B: 415-997-4158
 K6QZ B: 415-997-4323
 W6BHY B: 213-648-6422
 W6OKK B: 408-984-3261
 W6RNF H: 415-364-4831
 WA6AVS B: 415-583-6257
 WA6TQK B: 408-277-4739
 WA6UZA H: 408-426-6691, 171 McGivern Way
 WB6NHF H: 707-822-9352 B: 707-443-8431
 WA6TLV H: 415-642-8166

*****NOTICE*****

During the ARRL DX Contest, there will be a spotting net, which is actually a full time job for a number of our fellow club members. The net will use WR6ACZ on 147.96 / 147.36 and for you fellas out of range of the repeater, the same info will be relayed/transmitted on 3.877 (for 1977). If possible, but not firmly planned, there may also be another frequency of 1.877 in the event that 75 mtrs over-shoots the farther out stations. Please note these frequencies in a conspicuous place (like along side your rig!!).

*****NOTICE*****

Only a high class publication could get the following dope:

CQ WW DX CONTEST 1976 PHONE SECTION
Station CT9AT Madeira Islands, Africa, Zone 33
Operated by Martin Laine, OH2BH, Single Op
All Bands

Station Equipment: Drake T4XC/R4C + Yaesu
FL2500B 600w; Hy-Gain 14AVQ + 80 m Dipole

Band	QSO	Cty	Zone	Points	Dupes	Af
3.5	322	38	10	945	4	3
7	421	57	21	1,224	12	3
14	972	96	30	2,778	38	18
21	975	79	22	2,759	48	19
28	486	68	19	1,367	18	17
3,176		338	102	9,073	120	60

Final Score 3,992, 120 Points

Log Computing Programmed and Supervised by Olle Hellsten. The log information above is actually from the computer used to keep the records of Martin's operating. Pretty nifty. Besides, that's the way to keep the rate up!

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RETURN POSTAGE GUARANTEED

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6 THE CONTEST JUG Vol. 56, January, 1977 SPEAKING OF COMPUTERS.....

We all knew it would come - sooner or later - and Curtis did it. It's the first computer made and marketed for the amateur radio operator. It also, of course, can be made to do almost anything that the I/O and software allows.

It is the SYSTEM 4000 HAM COMPUTER. Based around the well-known 8080a processor, it comes equipped with 4K bytes standard and up to another 60K can be added. I/O can be tape cassette or disk and system display is a TV set or video monitor. Special ham programs include:

- a) provision for 10 cw messages of 50-100 char
- b) contest management for auto-logging, dupes, scoring tactical advice and semi-auto return
- c) beam headings based on call letters
- d) screen editor for formatting messages
- e) satellite tracking
- f) DX predictions
- g) CW practice generator
- h) Baudot terminal
- i) receives morse code at 6-250 wpm+ and displays on CRT with speed on screen, upper or lower case. TTY output also. No need to manually calibrate
- j) keyer has keyboard with 200 key buffer up to 99wpm

Gee - what's it all coming to???

KB AND KEEP THE RATE UP, GUYS

NCCC NET TIME 7:30PM Tues on 3.815

MEETING JANUARY 24th in Hayward. CU

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At Fremont, CA.

7-77

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