



# NORTHERN CALIFORNIA DX CLUB, INC.

8 MARCH 1977

## TO OUR FELLOW DXERS

YOU ARE CORDIALLY INVITED TO ATTEND THE 28TH ANNUAL INTERNATIONAL DX CONVENTION TO BE HELD AT THE HILTON HOTEL IN FRESNO, CALIFORNIA, AND HOSTED BY THE NCDXC, APRIL 2ND & 3RD. THIS IS THE "BIG ONE". PASS THE WORD TO YOUR FELLOW DXERS AND MEET THE TOP GUNS AT FRESNO.

PRE-REGISTRATION - Fee \$21.00. Late registration at Fresno \$23.00. The pre-reg prize will be a TS-700A Kenwood 2 Mtr. XCVR. GRAND PRIZE will be a Kenwood TS-820. Make checks payable to the NCDXC and mail them so as to arrive no later than March 30 to WA6AHF, Rubin Hughes - 17494 Via Alamitos - San Lorenzo, CA 94580. Pre-reg only eligible for TS-700A. Everyone will be eligible for TS-820 Grand Prize.

HOTEL RESERVATIONS - Call Millie Miller collect at the Fresno Hilton 209 485-9000. Be sure to mention the DX Convention. Singles \$20.00, Doubles \$26.00. Share a room and conserve expenses. 2 Dbl. Beds/Rm.

BAY AREA [Liquid suspension] ROUND TRIP CHARTER BUS - \$20.00. Contact Rich Lawton, K6QZ (now N6GG) Call Book Address. This is the best deal gg.

PROGRAM - Bill Rindone, WA7ABK, with the ST2SA/0 story along with Pacific exploits and 9N1MM operation. YASME UPDATE by the Colvins, Lloyd & Iris. A DX FORUM chaired by Gary Stilwell, A CONTEST FORUM with Rusty Epps at the helm. We have invited the manufacturers to give technical presentations on their latest equipment. Don Tyrell, Sls. Mgr. of DRAKE and Bill Gabel of their Las Vegas facility will represent their Co. Bary Copeland will handle the KENWOOD presentation. Bernie Tower, W6RNW will be attending for YAESU. Dick Ehrhorn is unable to attend but will provide one of their Amplifiers. KLM ELECTRONICS will have Mike Staal and Mel Ferrer on hand. Clyde Blyleven of TRI-EX will handle a Tower Installation on the roof and KLM will provide their 6 Element 20, 6 El. 15, 40 mtr. Rotary Dipole and Antennas for OSCAR along with Mode A & B equipment. We are hoping that the Tower and Antennas may wind up on the Prize list. Jack Curtis of CURTIS KEYER fame will have his CW Microprocessor Computer on display along with other goodies. All this at great expense to the management. The usual 5 to 7 p.m. "personality improvement" COCKTAIL PARTY being sponsored by Bob Ferrero, K6AHV/W6RJ and the HAM RADIO OUTLET STORES in Van Nuys, Anaheim and Burlingame. A BEER BUST also by Bob following the Banquet. Not to be outdone, Larry Webster, W6RPH, of WEBSTER RADIO in Fresno plans to contribute to our delinquency by providing Wine for everyone at the Banquet. Jim Neiger, W6BHY, has worked up a CW tape to be played at the Sun. B'fast. Whoever identifies the most calls is hero of the hour. Becky Johnson, XYL, of W6MUR, has organized a great LADIES PROGRAM for Sat. p.m. complete with prizes but she has reserved the Ladies Grand Prize for presentation at the Banquet.

VISITORS - Phil, 5WIAU & XYL; 5Z4LW (rumored); JA1KSO, JA1ELY, JA1ETQ, JETFFW, J11HXR; KH6IJ; KH6GQW plus others. *VE3 FXT/SB*

The DX HALL OF FAME AWARD from CQ will be presented to Lloyd and Iris Colvin. Katashi Nose, KH6IJ, will receive the OCEANIA AWARD. ARRL & CQ Contest Awards will also be presented. RESERVE NOW FOR THE BIG SHOW.

*Bob*

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NCDXC SETS NEW CLUB RECORD IN 1976 CQ WORLD-WIDE DX CONTEST !!!

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It was a busy, eventful, exciting fall contest season for the NCDXC membership, and by any method of measurement a fruitful, rewarding one.

Back in the spring, when the decision was made to enter the CQ WW and ARRL DX Contests, an ambitious goal was set, not only to beat the SCDXC in the event, but to do it with a convincing margin. The SCDXC having beaten us with a club score of 12.3 million in 1975, we felt that a score of 15 million points would be needed to do the job. And considering, that our club score that year ('75) was only 4.2 million, the goal was ambitious indeed.

And then something fascinating happened. As members started to discuss their plans for the event, as the repeater started to buzz with contest preparation talk, it became clear that this was to be a truly cooperative club effort. As people made multi-team arrangements, as antenna erection parties were organized, as plans were made for efficient utilization of WR6ACZ, it was evident that each participant has individually decided that the club can and will achieve its goal, and trounce the SCDXC in a style that they are not likely to forget.

The rest is history. As of this writing (Jan.10), with some scores still not in for the CW half, the club total score stands just a shade under 26 million points. Not only a new NCDXC record, but a score that beats the highest SCDXC score (of 1971) by 5 million points!

How did we do it? The score listings and statistics tell only part of the story. Behind the success story told by the numbers, lies another story of enthusiasm and perseverance in the face of repeated strikes by that arch-foe of contesters, "Murphy". There is the story of WA6AHF and crew (W6BJH, K6OP) who having planned a multi-multi effort, had one of the stations go up in smoke five minutes prior to the phone contest. Undaunted, they went on as a multi-single. Or that of W6BH, who lost his sky-needle with all antennas to the hurricane force winds on the eve of the CW test. Or how W6BJH, having worked for weeks on his new 4 el Quad for the contest, lost it after a few hours in the same winds, jumped into his car and went to activate WA6AHF for the remaining time. The numbers don't tell the story of K6CN, who had to shut down every time the neighbor decided to watch football, and with all that he still put in 31 hours. Or how W6MUR, a man not known for his love of SSB, continued to the end after his guest op WA6GSN got ill; or how he had to work the CW contest with beams stuck on Europe after the rotator had jammed in the big wind. How about W6OKK, the perennial multi host, who ran up nearly a half million on CW by himself, when we could not provide operating help! K6QZ, being disappointed with the phone score put up two Sterba curtains between modes. Was it worth it? You bet; check the scores. And on and on, there are many untold stories behind those numbers.

As you look at the scores, there were superb performances by some "big guns" with their helpers, like K6UD, W6OKK, W6BH and K6ZM. But it took three other

groups in addition to make the club effort successful. First, it took 50 other stations (about 75 people) doing their best, big or small. Then, it took six different DXpeditions, contributing over 7 million points between them. And last, but certainly not least, all the unsung heroes who served as control stations on WR6ACZ, who don't show up in the score listing, but whose contribution no doubt amounts to millions of points hidden in the scores of the rest of us. W6OAT, K6RXZ, W6JZU, K6IXS, K6QX among others gave us all an ability to keep abreast of all the choice multipliers on all the bands while working one.

Now for the story that the numbers tell. Since this was a contest effort by members primarily to maximise total club score (there was not a single Single Band entry !), it is appropriate that we list the participating stations in descending order of their total contribution to the club score.

STATION	PHONE	CW	TOTAL
5W1AZ	-	2,660,000	2,660,000
K6UD	1,471,976	1,050,000	2,521,976
9D5A	-	1,854,212	1,854,212
K6CQF(K6PU)	877,251	883,464	1,760,715
W6OKK	928,908	448,448	1,377,356
W6BH	1,306,692	-	1,306,692
K6ZM	692,405	519,590	1,211,995
VP2VDJ		1,015,795	1,015,795
K6HIH	827,820	124,000	951,820
W6KG/AJ3	881,748		881,748
K6QZ	221,950	528,515	750,465
K6RV	691,599		691,599
K6AO	253,044	402,480	655,524
W6CF	330,372	297,414	627,786
W6EYY	382,332	228,582	610,914
K6RU	201,440	390,980	592,420
K6DC	60,024	495,234	555,258
WA6WXP	522,080		522,080
W6BIP	218,600	263,228	481,828
WA6AHF	387,520	92,336	479,856
KX6DC		467,040	467,040
W6MUR	264,916	136,458	401,374
K6SSJ	325,000		325,000
W6NKR	9,222	275,632	284,854
FOØGC	267,424		267,424
W6OAT	1,260	257,472	258,732
W6SC	141,303	112,312	253,615
K6ITL	242,000		242,000
W6YKS(K6YK)	80,569	130,508	211,077
K6MA	153,306	50,779	204,085
WB6RIU	142,222		142,222
K6BR	136,800		136,800
W6ZYC	127,072		127,072
WB6ZHD	111,540		111,540
K6CN	86,500	24,817	111,317

STATION	PHONE	CW	TOTAL
W6BJB	102,604		102,604
K6QW	85,000		85,000
K6RK	44,850	39,216	84,066
W6YVK	81,789		81,789
W6LD	80,000		80,000
WB6CQY	14,787	58,813	73,600
W6CLM	13,504	53,000	66,504
WA6TUF	10,000	50,000	60,000
WB6UOM	59,717		59,717
K6YGS		47,565	47,565
W6MZ		42,964	42,964
W6ISQ		36,308	36,308
K6IXS	11,480	16,050	27,530
W6BJH		25,615	25,615
W6MTJ		25,149	25,149
W6IAE	25,000		25,000
W6FOJ	23,660		23,660
K6DYQ	21,600		21,600
K6TZX		12,580	12,580
W6VG	11,661		11,661
W6KHI	11,000		11,000
W6RVS	10,000		10,000
K6OZI		6,812	6,812
WB6BKN	3,298		3,298
W6QDE	496	2,726	3,222
W6EJA	819	1,386	2,205
WB6CUA	1,350		1,350

Club total score Phone - 12,957,510  
 Club total score CW - 13,127,480

TOTAL NCDXC COMBINED AGGREGATE SCORE - 26,084,990 !!!!

Number of different stations participating - 62  
 Total number of entries - 89  
 Number of Phone entries - 51  
 Number of CW entries - 38  
 Average score per Phone entry - 254,068  
 Average score per CW entry - 345,460

According to the summary sheets sent in, club members made over 18 thousand QSOs on Phone and over 19 thousand on CW. That is more than 37,000 QSOs in two weekends. That is a lot of DX! No wonder QSL printers and outgoing bureau managers just love us contesters.

Incidentally, it is fascinating to note, that WALKID, operating K6UD in the Phone portion worked DXCC on 20 meters alone during the weekend. Did I hear someone say there isn't any DX around to be worked?

The top 5 Single Operator Stations

PHONE		CW	
K6UD (op. WALKID)	1,471,976	K6PU (op. VE3DXV)	883,464
K6CQF (op. VE3DXV)	877,251	K6DC	495,234
W6EYY	382,332	KX6DC (op. W6VG)	467,040
W6CF	330,372	W6OKK	448,448
K6SSJ	325,000	K6AO	402,480

The top 5 Multi Operator Stations

PHONE		CW	
W6BH (+WA6IQM)	1,306,692	5W1AZ (WB6OOL, WB6DSV, W6RGG)	2,660,000
W6OKK (+WB6DSV, WB6LPK)	928,908	9D5A (K6KM, W6GEN)	1,854,212
W6KG/AJ3 (+ W6QL)	881,748	K6UD (+WALKID, WA6TLV)	1,050,000
K6HIH (+ WA6 )	827,820	VP2VDJ (W6KG, W6QL)	1,015,795
K6ZM (+ K6VY, K6RM)	692,405	K6QZ (+ K6QX)	528,515

Please note: all of the above scores are listed for informational purposes only. The NCDXC 1976 CQ WW DX Contest Awards recipients will be based on the final scores as listed in CQ Magazine in the late summer. Awards presentation will be made at Fresno 1978, or earlier, at the discretion of the Awards chairman.

For those who are interested in "post mortem" analysis of logs and comparing with some of the bigger scorers, here are some band by band breakdowns from some of the summary sheets sent in.

PHONE	160		80		40		20		15		10	
	Q/	Z/ C	Q/	Z/ C	Q/	Z/ C	Q/	Z/ C	Q/	Z/ C	Q/	Z/ C
K6UD	4/	4/ 2	71/	19/28	140/	21/27	620/	33/101	622/	23/48	45/	18/20
W6BH	-/	-/ -	41/	12/21	335/	22/41	427/	29/77	512/	23/47	105/	15/37
W6OKK	6/	3/ 3	45/	16/27	311/	23/38	318/	28/81	288/	21/45	53/	12/27
K6CQF	2/	2/ 1	57/	15/30	83/	21/39	250/	26/73	566/	22/43	41/	13/24
K6ZM	-/	-/ -	41/	14/25	140/	15/29	322/	31/71	382/	17/42	28/	12/15
K6RV	-/	-/ -	73/	14/29	237/	25/41	399/	28/77	215/	13/30	9/	6/ 6
WA6WXP	-/	-/ -	60/	14/29	8/	7/ 6	273/	23/54	539/	23/52	-/	-/ -
WA6AHF	-/	-/ -	21/	8/17	149/	13/20	105/	21/45	284/	23/43	39/	10/24
W6EYY	-/	-/ -	17/	10/9	25/	10/12	192/	24/52	365/	20/38	50/	13/23
W6CF	-/	-/ -	15/	8/8	21/	10/17	182/	22/35	352/	17/31	46/	14/27
CW												
5W1AZ	3/	3/ 3	141/	12/14	610/	23/29	1010/	31/70	1360/	27/47	86/	13/19
9D5A	31/	4/ 7	302/	9/44	720/	17/49	725/	23/65	547/	23/61	10/	4/ 7
K6PU	1/	1/ 1	102/	15/27	469/	28/46	193/	27/57	312/	21/38	21/	10/10
K6QZ	-/	-/ -	32/	11/13	271/	25/35	127/	25/54	358/	23/38	7/	6/ 5
K6ZM	-/	-/ -	24/	10/14	260/	26/44	263/	26/52	237/	19/38	3/	2/ 2
K6DC	-/	-/ -	16/	10/12	387/	29/60	217/	25/61	79/	16/28	-/	-/ -
KX6DC	-/	-/ -	93/	9/ 9	61/	9/ 7	443/	27/32	501/	17/20	14/	5/ 5
W6OKK	4/	3/ 3	31/	12/13	236/	16/24	199/	19/46	271/	19/38	14/	7/ 8
K6AO	-/	-/ -	19/	10/13	215/	25/41	190/	26/60	168/	17/32	12/	8/ 8
K6RU	-/	-/ -	24/	10/10	409/	26/41	120/	17/34	221/	14/19	1/	1/ 1

Well, that just about wraps up the 1976 CQ WW, at least until the official results finalize the fruits of our efforts.

What next? Can we top our success with yet another big club effort? You bet! Only a few days separate us from the beginning of the real "biggie", the second and final contest event on our club calendar, the ARRL DX COMPETITION. As most of you already know, we are about to try something new and exciting in this contest. A joint effort with our friends of the Northern California Contest Club, under the banner of the newly organized NORTHERN CALIFORNIA DX AND CONTEST COOPERATIVE.

So what's an NCDXCC? For the benefit of those who missed the last few meetings, perhaps a little background history may be useful to understand how and why this new organization came about.

The Northern California DX Club has been a major power in DX contests since the early days of its history. About six years ago, the Northern California Contest Club was formed, due to a disagreement within the NCDXC 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 simply choose not to participate in the activities of either club, rather than side with one or the other. Viewed in this light, it was clear that neither club was functioning with optimal effectiveness, despite the efforts of many people to help warm the relations between the two clubs.

In preparing plans for the upcoming ARRL DX contest, both clubs found themselves in an almost totally untenable situation. Consider: both clubs have decided many months ago to make a full bore effort in the contest. Couple this with the fact that an examination of the two club rosters show 60 to 65 of some of the most active people are members of both clubs - well, you can see the problem. 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, its traditions and achievements, and values its separate existence. And yet, many expressed a desire to find a vehicle for cooperation between the two clubs. Many suggestions were offered and discussed, but only one, the formation of the Northern California DX and Contest Cooperative (NCDXCC) seemed 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 Fresno convention more meaningful for all concerned;
6. Allow us to compete effectively for national titles in DX contests.

The suggestion was offered for consideration to the Boards of Directors of both clubs. Both BoDs have enthusiastically supported the proposal and in turn presented it to the respective memberships. Again, overwhelming approval. The NCDXCC came into being. Thanks to the hard and fast work of Rusty, W6OAT,

Jim, W6CF, and especially our ARRL Director Doc Gmelin, W6ZRJ, the NCDXCC is now fully affiliated with the ARRL, enabling us to make our first cooperative effort in the upcoming 1977 ARRL DX Competition.

I think, this spring we will see enthusiasm and a level of activity unlike we have ever experienced before. It should be four weekends of real fun working tons of DX, and when the neighbor's kilowatt starts pumping our receiver, at least we will know he is working for the common goal. And if we all participate to our maximum abilities, we should see an aggregate score never before considered possible from the West Coast.

#### CONDENSED RULES, 1977 ARRL DX COMPETITION

CONTEST PERIODS: Phone: Feb. 5 0001 GMT to Feb. 6 2359 GMT, and  
Mar. 5 0001 GMT to Mar. 6 2359 GMT.  
CW : Feb.19 0001 GMT to Feb.20 2359 GMT, and  
Mar.19 0001 GMT to Mar.20 2359 GMT.

OBJECT: W/VE entrants work the rest of the world. (KH6, KL7 counts for DX)

VALID CONTACTS: Three points are earned by each complete QSO. Same station may be worked once on each band (160-10 m).

EXCHANGE: We send RS(T) and State (e.g. 599CA). We receive RS(T) plus "power" ( 599250).

SCORING: Multiply total number of points earned (# QSO x 3) by the sum total of the number of countries worked on each band.

REPORTING: Log sheets, a summary sheet and a dupe sheet for each band are required for a valid entry, to be postmarked no later than April 18, 1977.

To be eligible for Club competition, be sure to send final scores (preferably Xerox copy of Summary Sheet) to VE3DXV/W6, by same date.

FORMS: Log sheets, summary sheets and dupe sheets (CD-175) are available from ARRL. Also, VE3DXV has a supply of log and summary sheets available on request.

The complete rules for the contest have appeared in the December 1976 issue of QST, page 88.

THE WR6ACZ SPOTTING NET will be in full use again during the contest periods. The operation was a tremendous success during the CQ WW, not only improving individual scores but in maintaining a great level of perseverance and enthusiasm during the "tough" hours of the contest. Check in on the repeater one hour prior to the beginning of the contest for instructions, etc. As it was done during the CQ WW, the control station will repeat all announcements of the previous fifteen minutes, beginning at 0015 GMT and every 15 minutes thereafter. All announcements will be directed to the control station and likewise all questions should be directed to him. Note: the use of the spotting net in this contest places one in the multi-op category. However, since our major goal in this effort is to maximize individual and the club score, we very much encourage the use of the net.

Finally, remember, that the secret behind a good contest score is time spent on the air. If you can, team up with a friend, go multi-op. Any station can run up a big score if you can keep it on the air for 96 hours per mode. Work lots of JAs. Use the repeater, both for announcing good multipliers found and for learning what others have found for you. And above all, have a good time doing what it's all about - working lots of DX! GOOD LUCK!

Adam, VE3DXV/W6  
NCDXC Contest Chairman

BYLAWS OF THE NORTHERN CALIFORNIA DX AND CONTEST COOPERATIVE.

ARTICLE I. NAME AND PURPOSE

Section 1.

This organization shall be known as the Northern California DX and Contest Cooperative.

Section 2.

This club is organized 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 Bylaws of either of those organizations.

ARTICLE II. MEMBERSHIP

Section 1.

Membership in this organization is open to any person possessing a valid amateur radio operator's license, residing within the Club territory, and expressing an interest in either Contesting and/or DXing.

Section 2.

Membership in either the Northern California DX Club or the Northern California Contest Club is per se evidence of an individual's interest in Contesting and/or DXing, and automatically confers upon that individual membership in this organization.

Section 3.

Individuals meeting the requirements of Section 1 of this Article, but not qualifying for membership in accordance with Section 2, may be admitted to membership by a unanimous vote of the Directors.

Section 4.

Club Territory is defined as all those portions of California and Nevada encompassed within the territories of either the Northern California DX Club or the Northern California Contest Club.

ARTICLE III. BOARD OF DIRECTORS

Section 1.

The affairs of the Club shall be managed by its Board of Directors.

Section 2.

The Board shall consist of four Directors, two appointed by the Northern California DX Club and two appointed by the Northern California Contest Club.

Section 3.

The term of office for Board members is indeterminate. Board members serve at the pleasure of the organization from which they were appointed.

Section 4.

The Board shall designate one of its members as Chairman. The Chairman shall be responsible for calling meetings and for insuring that all necessary activities of the Club are performed. The Chairman shall preside at all regular Club meetings and Directors' meetings.

Section 5.

A unanimous vote of all Directors is required for passage of any motion or approval of any activity presented to the Board.



Section 6.

A quorum for the Board shall consist of all four Directors. Any Director unable to be present at a meeting may be represented by proxy both for attendance and for voting purposes.

ARTICLE IV. MEETINGS

Section 1.

The Club shall meet no less than four times per year at a date and place designated by the Board Chairman.

Section 2.

Meetings shall consist of the necessary business, confirming to Robert's Rules of Order.

ARTICLE V. FINANCES

Section 1.

Such expenses as are necessary for the proper operation of this Club shall be provided equally from the Northern California DX Club and the Northern California Contest Club.

Section 2.

There shall be no regular dues.

Section 3.

All assets and obligations of this Club belong equally to the Northern California DX Club and the Northern California Contest Club.

ARTICLE VI. AMENDMENT OF BYLAWS

Section 1.

These Bylaws may be amended by a unanimous vote of the Board of Directors if ratified by a majority vote of the Boards of Directors of the Northern California DX Club and the Northern California Contest Club.