

NEWSLETTER OF THE NORTHERN CALIFORNIA CONTEST CLUB 44 Toyon Terrace Danville, CA 94526 March 1988 No. 189

PRESIDENT:

VP/CC: SEC/TREAS:

NCCC REPEATER:

W6RGG K4UVT VE2AQS 147.24 (+600) AWARDS:

K6ZM

JUG EDITOR: DIRECTORS:

W6SZN

KA6ING, WA6VEF, NV6Z,

W7MAP

# AWARDS BANQUE

April 2, 1988 (March Meeting)

Pleasanton Hotel 855 Main Street Pleasanton, California

(Same Room as Last Year, Plenty of Parking In Back)

No Host Cocktails at 6:00 P.M. Dinner at 7:00 P.M.

## MENU

London Broil w/Cabernet Sauvignon Sauce Breast of Chicken w/Mushrooms and Champagne Sauce

> Crisp Green Salad Red Skin Potatos Fresh Vegetable Hot Rolls Chocolate Mousse Beverage

\$17.00/person (includes tax and tip)

#### PLEASE RSVP TO:

KA6ING on 147.24 or 583-5333 OR VE2AQS, 672-8523

NO LATER THAN SUNDAY, MARCH 27

ELECTION MEETING APRIL 15, 1988

. (See The Prez Sez)

# THE PREZ SEZ

March meeting in April you say! Yes, it's true. Due to a scheduling conflict, the only date available at the Pleasanton Hotel for our awards gala was April 2. Because so many people said that they had a super time there last year, the decision was made to add two days to the month of March this year. Why should February get all the attention?

The Awards Committee has promised to come up with a few special presentations to liven things up. Be sure to get your RSVP in to Louese or Bob as soon as you can.

The April meeting, a/k/a Election Night, will actually take place during the month of April. This one will be your basic NCCC beer and pizza evening. The Castro Village Round Table Pizza has set aside its private meeting room for us and a discount pricing scheme has been worked out for your pizza orders. Be sure to order your pizzas only through our Secretary/Treasurer, VE2AQS, to receive the reduced rate.

The Board of Directors has been fortunate enough to find six members interested in serving as officers of the Club. As the following listing shows, all positions are covered except that of Vice President/Contest Chairman.

President	NV6Z
VP/CC	Open
Secretary/Treasurer	K6MA
Director	WZ6Z
Director	K6KLY
Director	VE2AQS
Director	K4UVT

Also, agreeing to continue as chairmen of two standing committees are WA6VEF for the CQP and K6ZM for awards. In addition to the election, the meeting will also feature a live demonstration of the DX packet spotting network.

As is always the case, the floor will be open for nominations for all offices. If you want to take on the responsibilities of Club leadership or have someone you wish to nominate, your chance is coming soon. I hope to see you all at the awards and election meetings.

KB, Bob, W6RGG

(Happy Birthday Mr. Prezident!!)
-- from the real Jughead

## RESULTS

## 1987 CALIFORNIA QSO PARTY





Thanks a Lot, Mother Nature!!!
October 3rd, 1987. 1600Z, the
beginning of the 1987 California QSO Party (CQP). WWV reports the solar flux at 91, the A index at 26, and geomagnetic activity as unsettled. Band conditions are just plain HORRIBLE! Propagation on 10 and 15 meters is non-existent, while 20 sounds hollow and flat, with very few loud East Coast signals.

And, while band conditions are not so hot, the weather sure is, as a 100-plus degree heatwave rages through Central and Southern California, causing major discomfort to the portable and mobile expeditioners out putting on the rare CA counties. Meanwhile, back east in parts of New York and New England, one of the earliest winter snowstorms in history knocks out power on Sunday morning of the contest for many CQP participants.

If that's not enough, on Thursday morning, October 1st, just two days before the contest, a 6.1 magnitude earthquake rocks the Los Angeles area. Aftershocks of the quake continue into the CQP weekend, including a major one at 4 am on Sunday which rouses L.A. amateurs out of bed and

onto the radio.

And, for several weeks before the CQP, a series of forest fires blacken thousands of acres of California timberland in the less populated northern and eastern counties of the state. With most campgrounds on "fire alert" status, it is with great difficulty that county expeditioners obtain permission to set up a tent, erect a ham radio station, and operate with a portable generator.

All in all, with the rotten propagation, lousy weather, earthquakes, and forest fires, one might come to the conclusion that Mother Nature does not want

the 1987 CQP to happen!

A Well Attended Party

As unlikely as it might seem, the 1987 California QSO Party will be remembered for tremendous overall activity and record setting performances. No less than 319 logs (the most ever) were received from 56 of 58 CA counties, 48 states, 6 Canadian sections, and 8 DXCC countries. Thirty four entrants set new single operator scoring records during the weekend--23 of them outside California and 11 in the Golden State.

The high level of CW activity which characterized the 1986 Party continued in

the '87 contest. California stations were again able to maintain good code QSO rates for sustained periods of time--which added greatly to their scores as CW contacts are worth three points versus two points on phone. As such, it's no surprise that 52 entrants submitted logs which contained only code QSOs.

In fact, with all of the increased Morse activity, CQP operating strategies have changed significantly. CW operation has become so important that top scorers are now making between 20 and 35% of their total QSOs on the Al mode, compared with 10 to 15% during CQP weekends of past years.

Band Conditions

Propagation was a combination of sweet and sour. Conditions on Saturday were miserable--10 and 15 meters were dead, and 20 was mediocre. Fortunately, things improved dramatically on Sunday, as 15 was open all day and 10 meters opened briefly to the East around 1900Z. A survey of the logs shows that stations located in the southern latitudes of the United States seemed to enjoy better conditions during most of the CQP weekend. Stations in the northern latitudes were competitive during the afternoon and evening hours, but had trouble working into California during the morning hours of the Party.

One interesting propagational phenomenom occurred on Saturday evening, when the MUF dropped so fast that 40 meters was pretty much useless by 0300Z. result of this drop, out-of-state participants QSYed to 80 and 75 meters earlier than usual for a CQP weekend. California stations who chose not to linger on 40 were treated to some fantastic 75/80 meter rates between 03 and 0400Z, while those who stayed on 40M too long and arrived after 0400 missed the peak of

activity.

California Competition

Tops among the California single-ops was Larry "Tree" Tyree, N6TR, guest operating from superstation K6NA in San Diego Co. Tree's final score of 292K fell just three QSOs short of breaking the all-time CA single op record, which he himself set way back in 1981. The key to his victory was 20 meter sideband, where his 1,011 QSO total was 300 contacts higher than any other entrant in the Party! Tree walked away from competition on Sunday

morning, averaging no less than 119 QSOs per hour (most of them on 20 SSB) between 1300 and 16002!

Capturing second place among the CA single-ops was Dean Straw, N6BV, who finished with a fine 266K and a new Contra Costa County record. And, third place goes to Kurt Andress, NI6W, who piloted another San Diego County station, N6ND, to a 258 kilopoint finish.

Despite the extremely high overall level of activity in the '87 CQP, California scores were generally down a bit as compared to the '86 Party. The average Top Ten CA score declined from 223K in 1986 to 216K in 1987, a statistic which is probably best explained by the depressed band conditions on Saturday of the contest. However, eleven CA single-ops rose to the occasion and established new county scoring records. They are: K6RK, N6BV, WB6ITM, K6LRN, W6REC, WA6ZBX, K6AAW, N6TR (at K6NA), N1EE/6, WJ6Q, and KI6CG.

A special mention should also be made of the CW-only effort of Dave Hodge, AA6RX (guest operating from W6UE). Setting his sights on N6QR's 1986 record of 1,001 CW QSOs, Dave contacted 1,004 stations during the CQP weekend, ALL of them on the code mode! Also, congratulations to N6NF, W6JTI, and W6UQF, who all cracked the California Top Twenty running 200 watts or less.

Among the California multi-operator entrants, first place in the multi-single competition belongs to KI6EZ and N6OP who operated with station owner Rich Cutler, WC6H, to a 184K finish from San Joaquin County. This is the third time in the past four years that Rich's station has captured top honors in this category. Taking the second spot with 129K was the K6SG Colusa Co. expedition effort, while WR6R and WZ6Z finished third with 124K.

Out-of-State Competition
Out-of-state single-op scores in the

Top Ten Band Breakdowns

Out-of-State

Call	Score	105	10C 1	55	15C	205	21	DC 4	105	400	755	800	C 16	05 1	160C	
K4XS	118,726	33	7 1	93	44	283		85	146	42	6 6	2	5	0	0	
WX4G	117,392	2	2 1	47	46	363		82	88	53	3 32	2 4	8	11	15	
NOBSH/9	102,828	0	0 1	36	33	313		58	190	23	7 4	1	2	0	0	
KVOI	74,536	0	0	58	26	276	1	85	25	38	4 1	2	8	0	0	
N5JB	73,872	0	0	47	24	299		72	77	32	2 6	5 1	7	0	1	
VE7SK	72,561	0	0	11	13	252		57	61	46				17	15	
WD5K	70,281	0 0 0 0 0	0	42	32			01	16					0	0	
KB9S	69,141	0	0	98	22	188		77	83		26	1	3	0	1	
K4LTA	65,448	0	1 8	87	42	190		62	8	71		2	6	7	11	
N6CQ/3	64,314	23	8	50	49	158	- 1	86	3	49			3	0	0	
Californ	nia															
Call	Score	160S	1600	75	S 80	C 4	05	400		205	20C	155	15C	105	10C	VHF
KENA	292,842	52	45	6	7 9	4 2	88	106	5 1	011	141	317	97	62	0 2	3
N6BV	266,220	0	(	17	6 10	5 2	23	14	3	711	230	321	86	12	4	0
NEND	258,796	14		12	3 8	1 1	64	158	3	688	228	385	82			5
NEBT	251,488	3		14	2 8	7 1	83	14	7	618	208	409	81	,	. 0	20
WEAQ	205,968	12	15	11	1 8	5 2	01	144	1	616	181	140	82		) 1	0
WEREC	199,578	20	22	14	5 8	5	82	120	)	380	183	273	133	(	0 1 0 0 0 0	6
K6HIH	186,296	26	22	11	2 10	8	37	124	1	440	208	173	82		0	0
WEUE	171,684	0	4.9	1	0 14	7				0	393	0	142			0
NE61	170,404	0	(	9	3 8	3	72	195	5	251	189	173	111			1
VE2AQS/ W6	159,210	0	(	10	4 7	5 1	50	100		389	178	66	84	5		6 0 0 1

1987 California QSO Party were simply out of sight. In a very, very close race for the top spot, first place goes to Jeff Bolda, WC4E, operating from K4XS in North Florida. Jeff's 118.7K score is, by far, the biggest tally ever made from east of the Mississippi. In fact, excepting N6TR/7's 1985 and 1986 efforts from Oregon, it's the biggest out-of-state CQP score ever made!

A look at Jeff's logs shows that he spent a lot of time calling CQ into California, and properly followed the flow of California activity as it shifted from band to band. Tied for the lead at sunrise on Sunday morning, Jeff benefitted the most from the good 15 meter band conditions on that day. He finished with 247 QSOs (42 more than any other entrant), and ultimately won the CQP on the strength of his 15 meter opening.

Landing in second place, just 11 SSB QSOs behind K4XS, was Bob Brockman, WX4G, who compiled 117.3K and a new record from the state of Georgia. Both WX4G and K4XS managed to snag all 58 California counties. However, third place finisher Mike Tessmer, NOBSH/9, who turned in a fantastic 102K score from Wisconsin, worked 57 CA multipliers, missing San Benito County. San Benito turned out to be the most hard-to-find county in the contest. Of the 21 stations who worked between 53 and 57 multipliers, 16 failed to find San Benito. Other troublesome ones, along with the

#### Special Awards

The Top Twenty-Winners of a personalized bottle of
California wine direct from the
cellars of the Northern California
Contest Club

California: N6TR, N6BV, N16W, WA6VEF, WA6OTU, W6REC, K6HIH, AA6RX, NE6I, VE2AQS/W6, K6RK, K6AAW, N6NF, WX6M, W6JTI, W7CB/6, WA6ZBX, W6UQF, N6HC, and K6LRN.

Outside California: WC4E, WX4G, NOBSH/9, KVOI, N5JB, VE7SK, WD5K, KB9S, K4LTA, N6CQ/3, K9BG, WAOAVL, KIOF, AA4GA, WA3PWL, W5ASP, WB9JKI, W3HDH, W2HG, and AA4NC.

Chairman's Award: CA single-op with the most CW QSOs--David C. Hodge,

CA mobile single-op or team with the most QSOs (sponsored by the Redwood Empire DX Assn.)--Dick Church, N4ARO, and Carl Gardenias, WU6D.

Low power champions (200 watts or less) --California: Thomas E. Gehman, N6NF. --Out of state: Thomas C. Johnson, WD5K.

Top Club in California (sponsored by the Palo Alto (CA) ARA)--California Institute of Technology ARC (N6TR, WA6OTU, AA6RX, and N6LL--681,970 number of stations who missed them, included: Glenn (12); Sutter (10); Trinity (7); Lake and Monterey (5); El Dorado and Mendocino (3); Butte and Nevada (2); and Del Norte (1).

With all the W6 stations crowding the bands in the '87 Party, the average out-of-state Top Ten score rose from 68.0K in 1986 to 82.8K in 1987, far and away the highest average in the history of the contest. And, a score of 28K, good enough to squeeze into the Top Twenty in the 1986 CQP, would rank 33rd in the 1987 event! It's getting more and more competitive every year!

Congratulations to these single ops outside California who established new scoring records: K3HBP, WC4E (at K4XS), WX4G, AH6AZ, KB0C, KZ5D, KI0F, K5MK, KV0I, W5FS, W2HG, WA3PWL, W5TZN, N6CQ/3, KD0EE, K4LTA, N5JB, KE7KF, WA1JVV, N0BSH/9, VE2EDK, VE3KK, and VE7SK. As well, special mention should be made of WD5K's Top Ten finish, an effort achieved running a TA33-JR, wires, and an output power of 150 watts! The most competitive states in '87 were New York and Wisconsin, where three stations (W2HG, KQ2M, and NQ2O in NY; N0BSH/9, KB9S, and NG9L in WI) all broke the existing single op record.

California County Expeditions
Again this year we say "Thank you very much!!!" to the folks who pack up their radios and antennas and journey off to the hinterlands of California to activate those rare CA counties. Without the efforts of these fixed portable and mobile expeditioners, it would be very, very difficult for out-of-state stations to achieve big county multiplier totals.

They are:

Gary, WA6VEF, guest operating from portable station N6BT in Kings County, who finished fourth in California and first among the single-op county expeditions with 251 kilopoints. This "Field Day style" set-up, masterminded by Tom, N6BT, featured long boom monobanders on 40 through 10, generator power, and two complete stations (including a Henry 2K amplifier) set up in an RV . . . N6VV, K6XV, K6PJY, K3EST, and K6XO, who carted monobanders, generators, and rigs with amps to a difficult-to-get-to site at the Tuolumne/Alpine/Mono county lines. Their 239K is the top multi-op expedition score, as well as the first place California multi-multi . . . Dick, N4ARO, and Carl, WU6D, who set a new all-time mobile QSO record with 705 contacts from San Bernardino, Riverside, and Orange Counties . .

and KI6CG in Tulare . . . N6GC, N6KOI, and N6IR at "Four Corners," the county lines of Merced, Mariposa, Stanislaus, and Tuolumne . . . W6TVP in Plumas and Lassen . . . WA6ZBX in Mono . . N6NKN/mobile on a CQP tour of 10 Southern California counties . . . W6BSY

in Sutter . . . N1EE/6 in Sierra . . . K6SG, KF6A, KV6H, and KI6PL in Colusa Co. . . . N6NKT in Inyo . . . KS6H and N6ZB in Merced . . . K6MO and N6KG operating maritime mobile from a four-county spot in the middle of San Francisco Bay . . . N6LL in Kern . . . K6XO/mobile in seven counties, among them some of the most sought after in the Party . . . WJ6Q in Siskiyou . . . K6AAW in Plumas . . . and K6TMB and W6SZN operating a two man, two transmitter multi-multi from Placer.

A Few Words About the Rules

There appears to be a major bit of confusion over how to log California stations who operate portable or mobile from a county line location. The procedure in this situation is simple: the station counts as one QSO, and may (for out-of-state entrants) be claimed as a multiplier for any or all of the counties he gives out in his exchange. As an example, a 15 meter SSB QSO with N6VV at the county lines of Tuolumne, Alpine, and Mono, would count for one QSO, worth two points, and three potential county multipliers.

potential county multipliers.

All of the 1987 CQP logs were checked on this point, and scores were reduced if an entrant claimed multiple QSO credit for California stations on a county line. For example, if someone claimed three QSOs for a 15M SSB N6VV contact, two of the three contacts were deleted from his log. (One important note--CA stations that CHANGE counties during the CQP may be worked again for contest credit.)

Another problem occurred with QST's paraphrasing of the official CQP rules. Unfortunately, they mistakenly reported that, for W6 stations, states, provinces, AND CA counties count as multipliers. As a result, more than a few logs were received with ASTOUNDING multiplier totals, which upon closer inspection, had to be adjusted to reflect the actual CQP rules.

The "Worked All

California Counties" Award

The Northern California Contest Club is pleased to announce its sponsorship of the new "Worked All California Counties" Award. This award, a handsome certificate suitable (of course) for framing, is available to any amateur who submits proof of contacts with all 58 California counties. All QSOs for the award must be made after October 1st, 1987, so QSL cards for contacts made during the 1987 CQP may be applied toward the certificate.

For a complete set of rules and a list of California counties, check out the last page of this CQP write-up.

The People Who Do the Work
There's no doubt about it--the

California QSO Party is the premier state QSO Party on the contest calendar. The big turnout in an event like this is the direct result of lots and lots of dedicated work and effort. The Northern California Contest Club would like to acknowledge these amateurs for their contribution to the success of the 1987 CQP: Assistant Chairmen W6REC and NV6Z, who, along with WW6D, K6LRN, NU6S, WE6G, K6MBV, and K6SG, all served to co-ordinate NCCC and Northern California CQP activity; N6ADI and N6TR who co-ordinated CQP participation in the Southern California Contest Club; NV6Z, KI6EZ, WA6AHF, KA6ING, and W6BSY for helping with publicity; N6EK for his many hours of fine work on the certificates and mailing lists; W6SZN for maintaining the CQP all-time records list; W7MAP for helping with photocopying; W60SP for procuring the wine awards; and N6BT for handling the CQP T-Shirt project.

In addition, NCCC wishes to thank these fine folks who graciously provided mailing labels for the pre-contest publicity campaign: K5ZD of the National Contest Journal; W3HDH of the Nittany (PA) Amateur Radio Club, organizers of the Pennsylvania QSO Party; KB6ZV, Pacific Division Director of the ARRL; N6AUS of the Northern California DX Club; and NK6A of the Southern California DX Club.

Mark Your Calendar!

Don't miss the next running of the California QSO Party, scheduled for October 1st and 2nd, 1988.

If you'd like to receive a CQP '88 paperwork packet containg rules, a master log and summary sheet, contest records, and official county abbreviations, just send an SASE to Gary Caldwell, WA6VEF, 1830 Polk Street, Concord, CA 94521. The packet will be mailed to you approximately a month prior to the CQP weekend.

See you in the contest!

73,

Gary Caldwell WA6VEF 1987 CQP Chairman

Soapbox

Out-of-State....

An 80m inverted-vee in the trees WILL load on 40m (kind of). Many thanks to the paitent operators on the other end. (WA7NWL) . . . Blizzard hit early AM Sun 4th. Wait till NEXT year when I don't have trees on most antennas! (NC1E) . . . In my judgement the California QSO Party is the best of all, and from what I hear on the air, it's getting bigger and better every year. (KY5M) . . . Heard only 1 station on

'40, heard several on 75 but they didn't hear me! (WL7K) . . . K4XS was running them about 1 or 2 a minute on 75 phone and I COULD NOT hear the stations he was working--wonder what his antennas are? (K9BG) . . .

Had the rig all warmed up and tuned, and at about 1555 hit the rotator switch to swing the 20 meter beam to the west. It rotated to the North position and stopped! So, spent the first 45 minutes (of the contest on the tower) fiddling with the rotor and thrust bearing (WOJTC) . . . A great event! Many W6 stations and I did better that last year! (K1CLN) . . . I must say thanks to the little guns who are just there to give out contacts for the big guns. Thanks guys -- without the little guns there would be no war. (KIOF) . . . N6VV/6 and N6GC, both sitting on county lines, sure helped my county total. I do not recall hearing any county that I did not work. (WONGB) . . . I hope I am drinking a bottle of your fine wine before too long. (KV0I) . . . Rotten conditions and broken radio. I fixed one, but not the other! (AE7K) . . .

And from California....

At 2358Z on Saturday my driver tube breathed its last. Last year one of the diodes in my power supply went. See you in '88 with healthy equipment, I hope. (K6DYP) . . . This was my first "Field Day" operation all by myself. Found out it's kinda difficult to get a yagi in the air without help. (N6LL) . . . Hats off to the unusual expedition stations dropping anchor or tower base on a multi-county corner. But what a pain to pull all that information out of a noise level signal on crowded 20 MTRS! (AA6RX) . . . Working conditions much better than last year -- no snow!! Operated out of back of camper-shell, not much head room. (K6AAW) .

I actually believe Saturday afternoon (produced) the worst contest conditions I've ever seen. (W6UQF) . . . Working a W6 with a higher total motivates you to work harder. Working 4 or 5 out-of-state stations with higher totals is just plain DEPRESSING! (N1EE/6) . . . Battery power, wire antennas, and a magnificent view of Mt. Shasta. My first attempt at a county record. (WJ6Q) . . . I had a lot of fun, thought I would never reach 100 QSOs, but sure was pleased when I did. A dipole and 100 watts has a hard time competing against beams and kilowatts, but it's still fun for an old timer (67 years) new in the ham business (18 months). (KI6PG) . . . Being located exactly on the four county lines of Mariposa, Merced, Stanislaus, and Tuolumne proved to be more of a hindrance than a help. We spent nearly a quarter of our time explaining our location! (N6GC/6) . . . My first serious attempt at contesting. It was a blast!! (N6NKN/M)....SK

Final Scor	es													
	ore, tot			tal	Lassen					San Berna W6HAL		610	(214)	5.2
	s (in pa				K6JKC W6TVP/6(	19,494	193	(127)	38		79,768 (+WU6D)	610	(314)	52
	op cont				H014F/0(	4,704	56	(56)	28		71,390	551	(196)	5.5
(M/S)	= multi-	single	; (CE			00/40/0000100		10.20.50		N6NKN/	1 180	10	(0)	9
	-op CA c				Los Angele W6AQ (WA					San Diego	,			
	expedit					205,968	1586	(506)	56		NETR op)			
mobile					W6UE (AA		27272777			NCMP (	292,842	2283	(483)	58
California						171,684		(1004)		NOND (I	NI6W op) 258,796	1947	(568)	58
Callioinia	1					105,894		(225)		W6UQF	106,419	704	(459)	
Alameda					N6IBP	34,075		(221)		WAGUFY	10,480	118	(26)	
N6EK W6RGG	79,713 58,896		(509) (409)		WB6VVS KG6VI	11,970	102	(107)		N6NKN/	532	19	(0)	14
K6MBV	24,612		(182)		NEIC	1,805	38	(19)	1000	San Franc	isco			
W6MFZ	24,480		(160)	51	N6NKN/M	162	9	(0)	9		35,673		(251)	
K6CSL WE6G	10,830 8,646	140	(81)		Madera					KEILM	22,554	220	(97)	42
KESIK	6,552	117	(0)		KD6FW	59,904	576	(0)	52	San Joaqu				
WAOYOM	1,512	38	(32)		Manda					W6FAH	25,344 KI6EZ, N6	264		48
K6ARE	147 WZ6Z) (M/S	, 7	(7)	7	Marin *K6LRN	102,030	692	(406)	5.7	woon (	184,672			58
MKOK (*)	124,468		(264)-	58	W6ZQK	1,100	25	(0)		Special Editions	Charles and the same of			
					Waninga / W					San Luis	Obispo 117,334	976	(271)	5.0
Alpine/Mon	no/Tuolum K6XV, K6P		SYO		Mariposa/M Tuolumne		anisia	ius/			(+WA6MSN,			
KSEST		01, K	JAO,		N6GC/6 (						105,618	751	(319)	58
	239,856	1820	(568)	57		64,896	486	(276)	52	San Mate				
Amador					Merced					N6NF	123,530	906	(434)	55
K6BPB	31,995	237	(237)	45		6ZB) (MCE	(3)			K6KLY	57,600	576	(0)	
N6GG	2,176	56	(16)			87,000	600	(300)	58	W6OAT N6AN	47,564		(232)	
K6XO/M	60	6	(0)	5	Modoc					NENRZ	19,393	233	(7)	
Butte						199,578	1450	(541)	58	AA6DV	13,338		(117)	
K6HTM	12,388	163	(0)	38	Mana					WEISQ	3,975 (WAOYOM op	53	(53)	25
Calaveras					Mono *WA6ZBX(C	E)				KOOLL	1,680	35	(0)	24
*K6RK	145,264	1067	(460)	56		111,216	993	(0)	56		-			
K6XO/M.	40	5	(0)	4	Monterey					Santa Bar WA6FGV	78,138	568	(311)	5.4
Colusa					WD6EKR	16,290	181	(0)	45	AC6T	25,543		(177)	
	KF6A, KV6				In a second			4.54		C 01				
	129,862	940	(359)	58	Napa W6FSJ	70,675	512	(261)	5.5	Santa Cla W6XB	74,196	563	(248)	5.4
Contra Co	sta				WOLZO	10,013	512	(201)	23	AD6E	67,626	442	(442)	51
*N6BV	266,220	2011	(568)	58	Nevada	122 0000	19070015	rivenasion	1021 02	WC 6 I	29,799		(231)	
VE2AQS/	W6 159,210	1152	(439)	5.0	WAGAUE	87,267	604	(323)	57	N6XI W6UR	6,592	78 32	(50)	100
K 6 Z M	88,715		(271)		Orange					WB6EXW	1,152	36	(0)	
AK6T	14,948		(118)		N6PE	63,282	479			Santa Cri				-
KEDYP	8,960	111	(58)	32	W6SX WA6FIT	37,490	325	(255)	51	NS6V	53,601	415	(221)	51
Contra Co	sta/Marin	/Sonor	ma/Sol	ano	NG7D/6	14,362	130	(74)	43				,	
K6MO/Ma	ritime Mo				NEOKX	7,326	111	(0)	33	Shasta	/6 2,616	4.4	1211	24
	38,594	313	(213)	46	N4ARO/M	2,500	56	(13)	20	WB6SRQ		4.4 5.2	(21)	
					N6NKN/M	40	5							
Del Norte K6HY	38,478	292	(142)	53	Placer					Sierra *N1EE/6	(CE)			
	50.5 (C. 1940)		1,232.0		W6RFF	19,800	165	(165)	40	NILLE/ O	56,056	413	(252)	52
Fresno	25 427	242	(27)	40		W6SZN) (M		1555	0.00	Siskiyou		242727		
*WB6ITM	35,427	343	(37)	49		87,416	660	(241)	56	*WJ6Q1C	E) 37,050 10,220	109	(153)	
Glenn					Plumas					"BOUET	10,220	103	( / 4 )	35
K6XO/M	544	16	(2)	16	*K6AAW(CE					Solano			72	
Humboldt					W6TVP/6(	126,266	920	(337)	58	K6HIH WX6M	186,296	1334	(544)	58 58
W6JTI	119,680	815	(546)	55	WOIVE/O(	12,312	114	(114)	36	KA6BTU	414	23	(0)	
*					KF7AM/6	3,363	59	7.100		2				
Imperial NR70	8,961	103	(103)	29	KA6HVY	1,980	46	(7)	20	Sonoma K6BWX	51,695	378	(299)	40
N6NKN/M		28		16	Riverside					WW 6D	28,485		(211)	
Tavo	3				N6MZH	8,742	141	(0)	31	KD6GC	20,295	191		
Inyo N6NKT (C	E)				N4ARO/M	7,192	98	(36)	31	N 603 / Q1	RP 10,608	156	(0)	34
5	30,184	308		49	N6NKN/M	918	27		17	Sutter				
N6NKN/M	180	10	(0)	9						K6XO/M	476	17	(0)	14
Kern					Sacramento N6JV	70,941	516	(359)	51	Tehama				
N6LL (CE	11,476	151		38	K160	46,365	386			KA6TFC	68,640	624	(0)	55
KA6CZS N6NKN/M	8,140	110		37 10	KX6Z	16,040		(119)		, MB 6 KOE	1,575	37	(1)	21
HONKHIM	200	10	(0)	10	KG6XX W6NKR	4,640	80 35		29	Trinity				
Kings		100			K8TFR	600	20	(0)	15	WA6ZUD	19,080	180	(0)	53
N6BT (W	A6VEF op) 251,488		(528)	58	K6XO/M	84	7	(0)	6	Tulare				
	201,400	2704	,5201		5 <u>25 128 129</u>					*KI6CG	89,552	772	(0)	58
Lake	12 464	167	(0)	3.0	San Benito WU6Y	4,374	5.4	(54)	27	W6IFC	19,092	148	(148)	43
KR6G	12,464	164	(0)	38	11001	7,5/4	24	(54)	21	N6NKN/	1 160	10	(0)	8

3,952 252													
252	104	(0)	19	Kentucky	10 576				Ohio	20.000			
	14	(0)	9	WA4EBN N4OHW	18,576	148	(91)	48 38	W8ERD N8IO	30,899	243	(97) (144)	
				WA4VAP	2,346	47		23	K8SCH (1			(244)	40
3,535	200	(123)	45				0.000			13,020	122	(66)	42
2,751	130	(51)		Louisiana *KZ5D	30 000	210			Oklahoma			74	
0	1	(0)	0	- 4220	38,988	310	(102)	54	*W5TZN	27,650	254	(45)	5.0
				Maine					HOLEN	27,030	234	(43)	50
320	14	(4)	1.0	KC1BS	3,416	61	(0)	28	Oregon				
320	14	(4)	10	KALEAP	408	17	(0)	12	KA7KDJ	29,484	273	(0)	54
				Maryland/	DC.				Donneylye				
2 522		100000				227	(227)	45			483	(225)	5.4
35,412	295	(91)	52	W3DYA	5,022	54	1		W3HDH			(206)	
				W4KM	1,890	30	(30)	21	K31PK	25,944	207		
				NN3SI (					KC3M	24,975	211	1	
					1,380	26	(17)	20					
				Massachus	etts								
4,185	50	(35)	31	NB1B	16,125	145	(85)	43	N3RJ	8,364	90	(66)	
									K3TX	7,752	85	(58)	
	220	0.50	2327										
				KICHA	0,003	101	(29)	35					
100	10	(0)	3	Michigan								(0)	TOTAL
				W8WVU	16,851				WB31FE	1,250	25	(0)	
1,440	24	(8)	20							630	21	(0)	-
544	16	(0)	17	VQKIK	1,449	23	(23)	21	WA3JXW	27	4	(1)	3
				Minnesota					South Card	olina			
9.312	97	(0)	48	*KIOF	52,839	421	(85)	57	K4ADI	13,188	146	(22)	42
966	23	19.7		KOOSW	11,700	119	(62)	39	W8CNL	11,172	116	(62)	
10772		1.77	ನನೆ:	WONGB	7,182	63	(63)	38	Party Viv. 2000	20			
	_			Mississin	ni.						101	1000	
	50			*K5MK		200	(104)	47					
1,134	22	(19)	18	NSKGY	10,086	123			ROLEN	10,009	142	111/1	39
							10,015	2.77	Tennessee				
1,500	188	(124)	43		7.50 E.00 E.00	122			*K4LTA	65,448			
9,866				WDUARX	5,940	55	(55)	36				(93)	
	200000			Montana					ABACA	13,000	122	(81)	40
				N7HFU	1,672	38	. (0)	22	Texas				
		10.000		124074/00/00/00					*N5JB	73,872	575	(146)	57
390	13				74 576				WD5K	70,281	498	(237)	57
											364	(117)	
7 400													
7,480	140	(100)	46	NFON	5,940	60		6.7					
				WAOBOK	2,900	50	(0)	29	WOWT	17,261	159		41
op)				N 4 .					WF5E	15,880	157	(83)	40
8,726					31 824	268	(00)	5.1		15,846			
		,		AE7K	900	25							41
							9-27						
			7.7						WASIYX	4,900	70	(0)	
2,250	45			KB1PZ	48	4	(4)	4					
714	21	(0)	17	New Terror									
						172	(78)	44					
7.392	889	(246)	5.0	W2KHT	11,088	119			WD 7 10 1	4,014	0 /	(32)	23
				WAZUDT	10,824	115			Vermont				
0,624									*WA1JVV	24,104	196	(132)	46
				WZGD NR2I	4,256	51			K2LE/1	12,546	113	(80)	41
5 200	222	/100	47	MAZI	00	5	(5)	,	Virginia				
5,208	223	(102)	46	New Mexico					W4XD	17,040	142	(142)	40
				*W5FS	20,636	163	(143)	44	W9LT/4	3,075		(35)	
						103	12421		H 2 DI / 4		77	130000000000000000000000000000000000000	0.000000
0,482	159	(100)	49	Non Heat	,	103	(145)				. ""		
0,482	159	(100)	49	New York					Washington		-	(69)	51
				New York *W2HG KQ2M	41,184	337	(118)	52		19,023	-	(69)	
1,674	444	(192)	57	*W2HG KQ2M NQ2O	41,184 34,169 30,879	337 270		52 47	Washington N7JB WB7CLU K7SS	19,023 16,560 13,440	152 180 132	(0) (72)	46
1,674	444 450	(192) (180)	57 57	*W2HG KQ2M NQ2O N2UN	41,184 34,169 30,879 13,299	337 270 245 120	(118) (187) (167) (101)	52 47 47 39	Washington N7JB WB7CLU K7SS W7IIT	19,023 16,560 13,440 7,650	152 180 132 75	(0) (72) (75)	46 40 34
1,674 1,560 4,202 9,720	444 450 324 108	(192)	57 57 53	*W2HG KQ2M NQ2O N2UN WA1KKM	41,184 34,169 30,879 13,299 11,448	337 270 245 120 125	(118) (187) (167) (101) (68)	52 47 47 39 36	Washington N7JB WB7CLU K7SS W7IIT K7WA	19,023 16,560 13,440 7,650 2,064	152 180 132 75 29	(0) (72) (75) (28)	46 40 34 24
1,674 1,560 4,202 9,720 9,072	444 450 324 108 108	(192) (180) (186) (54) (0)	57 57 53 36 42	*W2HG KQ2M NQ2O N2UN WA1KKM N2AZS	41,184 34,169 30,879 13,299 11,448 5,049	337 270 245 120 125 51	(118) (187) (167) (101) (68) (51)	52 47 47 39 36 33	Washington N7JB WB7CLU K7SS W7IIT	19,023 16,560 13,440 7,650	152 180 132 75	(0) (72) (75)	46 40 34 24
1,674 1,560 4,202 9,720 9,072 1,890	444 450 324 108 108 35	(192) (180) (186) (54) (0) (35)	57 57 53 36 42 18	*W2HG KQ2M NQ2O N2UN WA1KKM	41,184 34,169 30,879 13,299 11,448	337 270 245 120 125 51	(118) (187) (167) (101) (68) (51) (53)	52 47 47 39 36 33	Washington N7JB WB7CLU K7SS W7IIT K7WA	19,023 16,560 13,440 7,650 2,064 1,200	152 180 132 75 29	(0) (72) (75) (28)	46 40 34 24
1,674 1,560 4,202 9,720 9,072	444 450 324 108 108	(192) (180) (186) (54) (0) (35)	57 57 53 36 42 18	*W2HG KQ2M NQ2O N2UN WA1KKM N2AZS W2DW W2KTF KA2MYJ	41,184 34,169 30,879 13,299 11,448 5,049 4,929 4,320 3,159	337 270 245 120 125 51 53	(118) (187) (167) (101) (68) (51) (53) (45)	52 47 47 39 36 33 31	Washington N7JB WB7CLU K7SS W7IIT K7WA K7LXC West Virgi NR8A	19,023 16,560 13,440 7,650 2,064 1,200	152 180 132 75 29 31	(0) (72) (75) (28) (13)	46 40 34 24 16
1,674 1,560 4,202 9,720 9,072 1,890	444 450 324 108 108 35	(192) (180) (186) (54) (0) (35)	57 57 53 36 42 18	*W2HG KQ2M NQ2O N2UN WA1KKM N2AZS W2DW WZKTF KA2MYJ W2WSS	41,184 34,169 30,879 13,299 11,448 5,049 4,929 4,320 3,159 3,078	337 270 245 120 125 51 53 45 42 38	(118) (187) (167) (101) (68) (51) (53) (45) (33) (38)	52 47 47 39 36 33 31 32 27 27	Washington N7JB WB7CLU K7SS W7IIT K7WA K7LXC	19,023 16,560 13,440 7,650 2,064 1,200	152 180 132 75 29 31	(0) (72) (75) (28) (13)	46 40 34 24 16
1,674 1,560 4,202 9,720 9,072 1,890 288	444 450 324 108 108 35	(192) (180) (186) (54) (0) (35)	57 57 53 36 42 18 8	*W2HG KQ2M NQ2O N2UN WA1KKM N2AZS W2DW W2KTF KA2MYJ	41,184 34,169 30,879 13,299 11,448 5,049 4,929 4,320 3,159	337 270 245 120 125 51 53 45 42 38	(118) (187) (167) (101) (68) (51) (53) (45) (33)	52 47 47 39 36 33 31 32 27 27	Washington N7JB WB7CLU K7SS W7IIT K7WA K7LXC West Virgi NR8A W8VEN	19,023 16,560 13,440 7,650 2,064 1,200	152 180 132 75 29 31	(0) (72) (75) (28) (13)	46 40 34 24 16
1,674 1,560 4,202 9,720 9,072 1,890 288 7,692 5,424	444 450 324 108 108 35 12	(192) (180) (186) (54) (0) (35) (12)	57 57 53 36 42 18 8	*W2HG KQ2M NQ2O N2UN WA1KKM N2AZS W2DW W2KTF KA2MYJ W2WSS WB2TKD	41,184 34,169 30,879 13,299 11,448 5,049 4,929 4,320 3,159 3,078 2,580	337 270 245 120 125 51 53 45 42 38	(118) (187) (167) (101) (68) (51) (53) (45) (33) (38)	52 47 47 39 36 33 31 32 27 27	Washington N7JB WB7CLU K7SS W7IIT K7WA K7LXC West Virgi NR8A W8VEN	19,023 16,560 13,440 7,650 2,064 1,200 nia 4,050 1,656	152 180 132 75 29 31	(0) (72) (75) (28) (13) (21) (0)	46 40 34 24 16
1,674 1,560 4,202 9,720 9,072 1,890 288 7,692 5,424 8,686	444 450 324 108 108 35 12 349 272 101	(192) (180) (186) (54) (0) (35) (12) (0) (112) (0)	57 57 53 642 18 8	*W2HG KQ2M NQ2O N2UN WA1KKM N2AZS W2DW WZKTF KA2MYJ W2WSS	41,184 34,169 30,879 13,299 11,448 5,049 4,929 4,320 3,159 3,078 2,580	337 270 245 120 125 51 45 42 38 43	(118) (187) (167) (101) (68) (51) (53) (45) (33) (38)	52 47 47 39 36 33 31 32 27 27 30	Washington N7JB WB7CLU K7SS W7IIT K7WA K7LXC West Virgi NR8A W8VEN	19,023 16,560 13,440 7,650 2,064 1,200 nia 4,050 1,656	152 180 132 75 29 31 57 36	(0) (72) (75) (28) (13)	46 40 34 24 16 30 23
1,674 1,560 4,202 9,720 9,072 1,890 288 7,692 5,424	444 450 324 108 108 35 12	(192) (180) (186) (54) (0) (35) (12)	57 57 53 642 18 8	*W2HG KQ2M NQ2O N2UN WA1KKM N2AZS W2DW W2KTF KA2MYJ W2WSS WB2TKD	41,184 34,169 30,879 13,299 11,448 5,049 4,929 4,320 3,159 3,078 2,580	337 270 245 120 125 51 45 42 38 43	(118) (187) (167) (101) (68) (51) (53) (45) (33) (38)	52 47 47 39 36 33 31 32 27 27 27 30	Washington N7JB WB7CLU K7SS W71IT K7WA K7LXC West Virgi NR8A W8VEN Wisconsin *N0BSH/9 KB9S NG9L	19,023 16,560 13,440 7,650 2,064 1,200 nia 4,050 1,656	152 180 132 75 29 31 57 36	(0) (72) (75) (28) (13) (21) (0) (126) (141) (102)	46 40 34 24 16 30 23 57 57 57
1,674 1,560 4,202 9,720 9,072 1,890 288 7,692 5,424 8,686	444 450 324 108 108 35 12 349 272 101	(192) (180) (186) (54) (0) (35) (12) (0) (112) (0)	57 57 53 642 18 8	*W2HG KQ2M NQ2O N2UN WA1KKM N2AZS W2DW W2KTF KA2MYJ W2WSS WB2TKD North Carc AA4NC KF4GW KA4OVZ	41,184 34,169 30,879 13,299 11,448 5,049 4,929 4,320 3,159 3,078 2,580	337 270 245 120 125 51 53 45 38 43	(118) (187) (167) (101) (68) (51) (53) (45) (33) (38) (0) (132) (0) (46)	52 47 47 39 36 33 31 32 27 27 30	Washington N7JB WB7CLU K7SS W71IT K7WA K7LXC West Virgi NR8A W8VEN Wisconsin *N0BSH/9 KB9S NG9L WB9QFX	19,023 16,560 13,440 7,650 2,064 1,200 nia 4,050 1,656 102,828 69,141 33,800 6,536	152 180 132 75 29 31 57 36 839 536 274 76	(0) (72) (75) (28) (13) (21) (0) (126) (141) (102) (0)	46 40 34 24 16 30 23 57 57 52 43
1,674 1,560 4,202 9,720 9,072 1,890 288 7,692 5,424 8,686 1,134	444 450 324 108 108 35 12 349 272 101	(192) (180) (186) (54) (0) (35) (12) (0) (112) (0)	57 57 53 36 42 18 8 54 43 21	*W2HG KQ2M NQ2O N2UN WA1KKM N2AZS W2DW W2KTF KA2MYJ W2WSS WB2TKD  North Carc AA4NC KF4GW	41,184 34,169 30,879 13,299 11,448 5,049 4,929 4,320 3,159 2,580 2,580	337 270 245 120 125 51 53 45 42 38 43	(118) (187) (167) (101) (68) (51) (53) (45) (33) (38) (0)	52 47 47 39 36 33 31 32 27 27 30	Washington N7JB WB7CLU K7SS W7IIT K7WA K7LXC West Virgi NR8A W8VEN Wisconsin *N0BSH/9 KB9S NG9L WB9QFX NA9M	19,023 16,560 13,440 7,650 2,064 1,200 nia 4,050 1,656	152 180 132 75 29 31 57 36 839 536 274 76	(0) (72) (75) (28) (13) (21) (0) (126) (141) (102) (0) (46)	46 40 34 24 16 30 23 57 57 52 43 31
1,674 1,560 4,202 9,720 9,072 1,890 288 7,692 5,424 8,686 1,134	444 450 324 108 108 35 12 349 272 101 27	(192) (180) (186) (54) (0) (35) (12) (0) (112) (0) (0)	57 57 53 36 42 18 8	*W2HG KQ2M NQ2O N2UN WA1KKM N2AZS W2DW W2KTF KA2MYJ W2WSS WB2TKD  North Carc AA4NC KF4GW KA4OVZ KJ4TI	41,184 34,169 30,879 13,299 11,448 5,049 4,929 4,320 3,159 3,078 2,580 2,580 2,580 3,190	337 270 245 120 125 51 53 45 38 43	(118) (187) (167) (101) (68) (51) (53) (45) (33) (38) (0) (132) (0) (46)	52 47 47 39 36 33 31 32 27 27 30	Washington N7JB WB7CLU K7SS W71IT K7WA K7LXC West Virgi NR8A W8VEN Wisconsin *N0BSH/9 KB9S NG9L WB9QFX	19,023 16,560 13,440 7,650 2,064 1,200 nia 4,050 1,656 102,828 69,141 33,800 6,536	152 180 132 75 29 31 57 36 839 536 274 76	(0) (72) (75) (28) (13) (21) (0) (126) (141) (102) (0)	46 40 34 24 16 30 23 57 57 52 43 31
1,674 1,560 4,202 9,720 9,072 1,890 288 7,692 5,424 8,686 1,134	444 450 324 108 108 35 12 349 272 101 27	(192) (180) (186) (54) (0) (35) (12) (0) (112) (0) (0)	57 57 53 36 42 18 8	*W2HG KQ2M NQ2O N2UN WA1KKM N2AZS W2DW W2KTF KA2MYJ W2WSS WB2TKD  North Carc AA4NC KF4GW KA4OVZ KJ4TI North Dake	41,184 34,169 30,879 13,299 11,448 5,049 4,929 4,320 3,159 3,078 2,580 2,580 2,580 2,580 2,78 3,190	337 270 245 120 125 51 53 45 42 38 43	(118) (187) (167) (101) (68) (51) (53) (45) (33) (38) (0) (132) (0) (46) (0)	52 47 47 39 36 33 31 32 27 27 30 50 36 31 29	Washington N7JB WB7CLU K7SS W7IIT K7WA K7LXC West Virgi NR8A W8VEN Wisconsin *N0BSH/9 KB9S NG9L WB9QFX NA9M	19,023 16,560 13,440 7,650 2,064 1,200 nia 4,050 1,656	152 180 132 75 29 31 57 36 839 536 274 76	(0) (72) (75) (28) (13) (21) (0) (126) (141) (102) (0) (46)	46 40 34 24 16 30 23 57 57 52 43 31
1,674 1,560 4,202 9,720 9,072 1,890 288 7,692 5,424 8,686 1,134	444 450 324 108 108 35 12 349 272 101 27	(192) (180) (186) (54) (0) (35) (12) (0) (112) (0) (0)	57 57 53 36 42 18 8 54 43 21	*W2HG KQ2M NQ2O N2UN WA1KKM N2AZS W2DW W2KTF KA2MYJ W2WSS WB2TKD  North Carc AA4NC KF4GW KA4OVZ KJ4TI	41,184 34,169 30,879 13,299 11,448 5,049 4,929 4,320 3,159 3,078 2,580 2,580 2,580 2,580 2,78 3,190	337 270 245 120 125 51 53 45 42 342 81 46 55	(118) (187) (167) (101) (68) (51) (53) (45) (33) (38) (0) (132) (0) (46)	52 47 47 39 36 33 31 32 27 27 30 50 36 31 29	Washington N7JB WB7CLU K7SS W71IT K7WA K7LXC West Virgi NR8A W8VEN Wisconsin *NOBSH/9 KB9S NG9L WB9QFX NA9M K9OSC	19,023 16,560 13,440 7,650 2,064 1,200 nia 4,050 1,656	152 180 132 75 29 31 57 36 839 536 274 76	(0) (72) (75) (28) (13) (21) (0) (126) (141) (102) (0) (46)	46 40 34 24 16 30 23 57 57 57 52 43 31 29
	9,312 966 3,600 1,134 1,500 9,866 5,867 9,990 3,051 672 390 7,480 8,726 4,391 9,424 5,518 5,490 2,250 714	4,185 50 5,776 76 180 10 1,440 24 544 16 9,312 97 966 23 3,600 50 1,134 22 1,500 188 9,866 164 5,867 151 9,990 106 3,051 50 672 16 390 13 7,480 140 (op) 8,726 922 4,391 123 9,424 105 5,518 62 5,490 45 7,14 21 7,392 889 9,816 400	4,185 50 (35) 5,776 76 (0) 180 10 (0) 1,440 24 (8) 544 16 (0) 9,312 97 (0) 966 23 (0) 3,600 50 (0) 1,134 22 (19) 21,500 188 (124) 9,866 164 (134) 5,867 151 (67) 9,990 106 (58) 3,051 50 (13) 672 16 (16) 390 13 (13) 7,480 140 (100) 8,726 922 (203) 4,391 123 (123) 9,424 105 (38) 5,518 62 (54) 5,490 61 (61) 2,250 45 (0) 7,14 21 (0) 7,392 889 (246) 9,816 400 (158)	4,185 50 (35) 31  5,776 76 (0) 38 180 10 (0) 9  1,440 24 (8) 20 544 16 (0) 17  9,312 97 (0) 48 966 23 (0) 21  3,600 50 (0) 36 1,134 22 (19) 18  21,500 188 (124) 43 9,866 164 (134) 43 15,867 151 (67) 43 19,990 106 (58) 37 3,051 50 (13) 27 672 16 (16) 14 390 13 (13) 10  7,480 140 (100) 46  3,001 (100) 46  3,001 (100) 46  4,391 123 (123) 39 9,424 105 (38) 38 5,518 62 (54) 31 5,490 61 (61) 30 2,250 45 (0) 25 714 21 (0) 17  7,392 889 (246) 58 9,816 400 (158) 52	## W3HQU W3DYA W4KM NN3SI (1)  ## W3HQU W3DYA W4KM NN3SI (1)  ## W4KM NN3SI (1)  ## W4KM NN3SI (1)  ## W5HQU WASCALL (1)  ## W5HQU KALDWX K1CLN  ## W5HQU WASCALL (1)  ## W5HQU	Massachusetts	## 100   100	## W3HQU 30,645 227 (227) ## W3HQU 30,645 227 (227) ## W4KM 1,890 30 (30) ## W4KM 1,890 30 (30) ## W4KM 1,890 30 (30) ## W4KM 1,890 26 (17)  ## Massachusetts ## W10	### Windows ### Wi	### 1995 (91) 52 ### 1990 30,645 227 (227) 45 ### 1990 100 100 100 100 100 100 100 100 10	## Note	15,412   295	15,412   295

Quebec				075120	NWT-Yukon				
*VE2EDK	11,560	103	(83)	40	VESCM	4,176	58	(0)	36
VE2EDL	10,212	92	(92)	37		200	12.5	10.77	223
VE2ABO	54	6	(6)	3	3060				
	75.00		1.50		Asia				
0					JH7WKQ	3,042	39	(39)	26
Ontario	20200200				JA9YBA	(JA9VDA,	JH90AM	ops)	
*VE3KK	19,926	164	(158)	41		72	6	(0)	6
VE3BOL	10,138	100	(74)	37		7.5	- 2	6.7.0	- 57
VE3BXY	6,400	80	(0)	40					
VE3IPS	3,264	45	I Maria Taranta	32	Europe				-
AFRIES	3,204	40	(12)	32	LASPF	5,280	56	(53)	32
Control Control Control					EA4BVE	56	7	(7)	. 4
Saskatche	ewan								
VE5AGM	5,346	54	(54)	33	South Ame	rica			
					ZY4VD	3,240	54	(0)	30
British (	Columbia				211.5	5,210	-		
VE7SK	72,561	553	(167)	57	Check loc	s. WOZYJ	, K2AU.		
VE710	12,768	127	(82)	38	check 109	,			
	12, , 00	12'	1021	50					



## APPLICATION FOR

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CONTRA COSTA			SAN BERNARDINO		
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ELDORADO			SAN FRANCISCO		
FRESNO			SAN JOAQUIN		
GLENN			SAN LUIS OBISPO		
HUMBOLT			SAN MATED		
IMPERIAL			SANTA BARBARA		
INYO			SANTA CLARA		
KERN			SANTA CRUZ		
KINGS		_	SHASTA	-	
LAKE			SIERRA		_
LASSEN			SISKIYOU	-	
LOS ANGELES			SOLANO		
MADERA			SONOMA		
MARIN	:		STANISLAUS		
		_	SUTTER		
MARIPOSA					
MENDOCINO			TEHAMA		
MERCED			TRINITY	-	
HODOC			TULARE		
HONO			TUOLUNNE	-	
MONTEREY			VENTURA		
NAPA			YOLO		_
NEVADA			YUBA		
		W.A.	C.C RULES		565
107 ME & D					
		any amateur radio band or mode. (N			
		made on or after October 1, 1987 ma	y be submitted for	the W.A.C.C.	award.
		ented for each of the 58 counties.			
4. Each QSL	card must have	the county claimed, printed or wri	tten, on the card	by the person	issuing the card.
5. All your	contacts aust	be made from the same country.			
6. Portable	and Mobile uni	ts may be worked.			
7. You do no	t have to be a	member of the NCCC.	YOU	JR CALL	
8. Your QSL	cards will be	returned with the W.A.C.C. Award.			
9. Send your	application a	nd 58 QSL cards and \$3 or 10 IRC's	YOU	JR NAME	
	expenses) to:			Prince (Inc.)	
			ADI	DRESS	
	NCCC W.A.C.C	Award			
	K6ZM		CI.	TY	
	44 Toyon Ter	race		1	
	Danville CA		STA	ATE	ZIP

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#### MINUTES OF THE BOARD OF DIRECTORS MEETING

#### February 2, 1988

The meeting was held at the business QTH of NV6Z and was called to order at 19:45 local time. The reading of the minutes of the previous meeting held at the home of KA6ING was waived and accepted as published in the JUG.

. Attendees were as follows: W6RGG, NV6Z, VE2AQS, K4UVT, WA6VEF and K6ZM.

The distribution of awards was discussed at length. K6ZM is to obtain the last missing information from W6MAP.  $^{\circ}$ 

WA6VEF further defined the reasons for which the Contester of the Year award is given. K6ZM is to write some blurb in the JUG to request nominations for that award.

A lengthy discussions also took place concerning the Contest Club Special and Rookie awards. These awards are to be given at the next Christmas dinner.

The Election Nominating Committee, K6ZM and W6OAT (via W6RGG) reported the results of their search for new officers. The slate of officers and directors is to be prepared at the next BOD meeting on March 1, 1988.

The Election meeting will be held at Round Table Pizza on Castro Valley Boulevard at 7:30 p.m. on April 15. Everyone is requested to attend.

The questionnaire prepared by WZ6Z was reviewed and a few corrections were made. It is now ready for print and should be mailed very shortly.

The next BOD meeting is to be held at VE2AQS' QTH on March 1, 1988 at 6:30~p.m.

The schedule of coming events is as follows:

February 26 Villa Chartier April 2 Awards Dinner, Hotel Pleasanton April 15 Election Meeting

The meeting was adjourned at 21:45 p.m. local time.

# FROM THE VP/CC . . .

Not too much to report this month -- have been very busy trying to get things together for the ARRL DX Contest as a major NCDXC effort. We had lots of stations in there busting the pile-ups! Although conditions were not the best, they are improving somewhat. Yours truly spent much time with the Great Kahuna, perfecting the Sunspot Dance, in an effort to insure the propagation gods would bless us with good conditions.

The ARRL DX is not a major NCCC effort, but it is for the NCDXC. So if you're a member of both clubs, we can sure use your score toward this effort! Thus far, the preliminary results look like about 12 Meg per weekend, for a tentative overall club entry score in the neighborhood of 24 Meg. We cleaned the Southern Cal clock pretty good in the CW weekend. But the SSB one may be close, so every point helps!

The CQ WW WPX Contest (SSB) is coming up on March 26-27, and should be a fun time (especially with all those weird new prefixes we've been hearing on the bands lately). For you RTTY types, watch for the GARTG RTTY Contest, Part 2, coming up April 9-10.

Here's the updated list for the 5 Meg Award -- Gary is STILL sitting up there all by his lonesome, although N6RO is in hot pursuit!! This list does not include all the scores from ARRL DX '88, so I expect next month's standing list will show several calls over the 5 MEG mark. Stay tuned!!

## NCCC FIVE MILLION POINT AWARD STANDINGS

WA6VEF	11400254 *****		1859717
N6RO	4572141	W6REC	
K6HNZ	3857545	NU6S	1677142
W6G0	2854116	W6BIP	1591295
AI6V	2764378	WA6AUE	1519109
	2695099	AJ6V	1430041
VE2AQS/W6	2654525	NV6Z	1323315
K3EST/6		N6BV	1251055
KI6CG	2624371	N6CCL	1217527
WX6M	2127417	AG6D	1201144
K6TMB	2046823	KI6EZ	1199609
N6EK	1945581	200 A 200 A 200 A 200	1173856
WC6H	1937186	K6ZM	
NC7K	1922575	K4UVT/6	1110785
WAFSI	1912140	NIEE	1097783

W6SZN		1060004
K6SIK		1007466
N6KT		988083
W6XX		988083
NB6L		949566
AK6T		947590
AD6E		914374
W60AT		907144
WC6I		906871
WR6R		898029
W6BSY		896538
N6VV		850072
KS6H		774238
K6HIH		709884
K6X0		708672
N6GG		674567
NP4IW		641749
WZ6Z		568539
		563402
W6ISQ		488105
WE6G		436736
WB6MZQ		425870
K6LRN		368416
N60M		365955
W6NWS		283420
K6RK		282384
K6WJ		258738
N6BT		245797
KN6K		213596
W6RGG		198404
W7XA		185389
K6KLY		184920
W6WB		171171
N6QR		138120
K4TKM/6		136416
N6ZB	1	130574
K6CSL		124616
WA7NIN	*	113150
W60SP	1	106600
W6RJ		
W6MFZ		87968 83985
K6PU		83015
N6 JM		75362
WW6F		
K6KM		69018 57942
N6JV		49134
W6UA		32980
W6KZJ		
WAOYQM		21976
W6SYL		15840
K6MBV		13298
W6DPD		11016
K6MA		6254
N6BIS		5550
W6 VG		4556
K6M0		972

Have fun on the bands !!!

Bob K4UVT/6

73 & KB,

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