

The Contest JUG



NEWSLETTER OF THE
NORTHERN CALIFORNIA CONTEST CLUB
34456 COLEVILLE PLACE
FREMONT CA 94546

MARCH 1982
NUMBER 119

PRESIDENT: N6KB VP/CC: N6KT SCTY/TREAS: N6QW
DIRECTORS: AA6AD, N6AUV, K6HNZ, K6OMB JUG Post P: K6HNZ JUG EDITOR: K6RU
COMMITTEES: PROGRAM-K6OMB MEMBERSHIP-W6SZN FINANCE-N6AUV AWARDS-W6SZN

ARRL SCORES - CQP RESULTS

COMING EVENTS

MARCH MEETING PROGRAM

TOM SCHILLER, N6BT/AHØ WILL PRESENT THE STORY OF HIS SAIPAN
DXPEDITIONS ILLUSTRATED BY SLIDES.

MAR. 22: NCCC MEETING, 7:30PM, CWA
HALL, HAYWARD

APR. 17-18: INTERNATIONAL DX CONVENTION,
HOLIDAY INN, VISALIA, CA

MAR. 27-28: CQWW WPX SSB CONTEST

APR. 26: NCCC MEETING, HAYWARD. ELECTIONS

APR. 6: DEADLINE FOR MAILING ARRL DX
CONTEST SCORES (BOTH MODES)

MAY 29-30: CQWW WPX CW CONTEST

THE PREZ SAYS

WELL, WE K'D SOME B IN THE ARRL DX COMPETITION. CONGRATS TO ALL WHO TOILED
LONG AND HARD IN SUPPORT OF NCDXC'S EFFORT.

THE LAST MAJOR CONTEST OF THIS SEASON WILL BE THE CQWW WPX TWO-WEEKEND
EXTRAVAGANZA. ACCORDING TO MANY OF OUR MEMBERS, THIS IS THE CONTEST WHICH
IS THE MOST FUN. VP/CC RICH IS IN CHARGE OF OUR BATTLE PLANS.

THE MARCH MEETING IS THE LAST ONE PRIOR TO ELECTIONS. MANY OF YOUR CURRENT
OFFICERS ARE READY TO RETIRE NOW, AND WILL NOT SERVE AGAIN IN ANY CAPACITY.
IT IS THE APPROPRIATE TIME FOR BOLD NEW LEADERSHIP TO TAKE ITS PLACE AT THE
HEAD OF THIS LEADER AMONG CONTEST CLUBS.

NO CLUB IS BETTER THAN ITS MEMBERS, BUT NO CLUB EXCELS WITH LESS-THAN-EXC-
ELLENT LEADERSHIP. STAND UP AND BE COUNTED WHEN THE NOMINATIONS ARE OPENED AT
THE APRIL MEETING.

SEE YOU AT THE MARCH MEETING AND AT THE PIZZA PARLOR AFTER THAT.

73, BOB, N6KB

1982 ARRL DX CONTESTHIGH CLAIMED SCORES

				<u>CW</u>						<u>PHONE</u>	
<u>MULTI-MULTI</u>	<u>QSO</u>	<u>M</u>	<u>SCORE</u>			<u>MULTI-MULTI</u>					
A16V	2701 X	343	2,779,000			KN6M	5226 X	361	5,650,000		
KN6M	2738 X	316	2,595,000			N6RO	4227 X	430	5,400,000		
K6ZM	1293 X	234	908,000			A16V	3757 X	412	4,640,000		
						K6ZM	1549 X	295	1,370,000		
<u>MULTI-SINGLE</u>						<u>MULTI-SINGLE</u>					
N6IG	1550 X	306	1,423,000			W6OWQ	1146 X	188	650,000		
W6BIP	-	-	660,000			W6BIP	-	-	350,000		
K6DC	891	181	484,000								
<u>SINGLE OP</u>						<u>SINGLE OP</u>					
N6RO	1677 X	305	1,535,000			W6XR	2150 X	294	1,900,000		
N6BV	1325 X	227	902,000			K6RU (OP-					
N6GG	825 X	216	561,000			N6BZA)	2030 X	246	1,500,000		
W6GO	736 X	227	501,000			K6HNZ	1365 X	265	1,090,000		
K6ANP	-	-	432,000			W6TPH	1273 X	249	950,000		
K6RU	648 X	156	303,000			K6ANP	900 X	198	570,000		
(15M) W6VSY	310 X	54	50,000			WA6TQT	1356 X	119	480,000		
WA6SRX	144 X	97	42,000			K6DC	390 X	155	180,000		
WA6FIX	-	-	37,000			WB6NBG	375 X	126	140,000		
AF6S	118 X	100	35,000			K6ITL	300 X	137	120,000		
(40M) N6AUV	116 X	45	16,000			(10M) WB6RFI	490 X	77	110,000		
(20M) W6ATO	114 X	44	15,000			(15M) W6EEN	300 X	80	72,000		
W6JD	75 X	47	11,000			W6FQF	225 X	107	72,000		
K6SMH	61 X	52	10,000			AC6V	225 X	104	70,000		
(10M) N6BZA	93 X	22	6,000			<u>QRP</u> W6YVK	300 X	65	59,000		
						KA6ING	190 X	70	40,000		

NEWS FROM LLOYD AND IRIS

DEAR FRIENDS,

WE HAVE JUST FINISHED 19 DAYS ON-THE-AIR AS W6KG/PZ1, OPERATING CW AND SSB ON 28,21,14,10.1,7,3.5 AND 1.8 MEGACYCLES. SOME 9,000 QSOs WERE MADE WITH HAMS IN 155 COUNTRIES. THE 155 COUNTRIES WAS A NEW RECORD FOR US FOR A 3-WEEK OPERATION. THIS WAS PROBABLY ACCOMPLISHED DUE TO THE FACT THAT PZ IS FAIRLY RARE, JANUARY IS A GOOD MONTH FOR DX, AND THROUGHOUT THE WORLD DX OPERATION SEEMS TO BE AT A PEAK LEVEL.

WE PARTICIPATED IN THE CQWW 160 CW CONTEST AND WON THE COUNTRY OF SURINAM.

WE LIVED AND OPERATED FROM THE QTH OF PZ1BU, WHICH CONSISTS OF A LARGE ESTATE ON THE SURINAM RIVER. THIS WAS THE FIRST TIME THAT WE OPERATED OUR DXPEDITION ONLY 30 FEET FROM ANOTHER ACTIVE HAM, NAMELY PZ1BU, WHO WAS ON THE AIR OFTEN AT THE SAME TIME WE WERE. WE HAD NO INTERFERENCE BETWEEN THE TWO STATIONS WHEN ON DIFFERENT BANDS, AND ONLY MINOR INTERFERENCE WHEN OPERATING ON THE SAME BAND.

WE GO NEXT TO FRENCH GUIANA WHERE OUR CALL WILL BE FYØFOL. WE WILL BE THERE FOR ALL OF FEBRUARY, INCLUDING THE CW PORTION OF THE ARRL DX CONTEST.

73

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LLOYD COLVIN
W6KGIRIS COLVIN
W6QLPARAMARIBO, SURINAM
2 FEBRUARY, 1982

1981 CALIFORNIA QSO PARTY

SPONSORED BY THE NORTHERN CALIFORNIA CONTEST CLUB

de N6QW

What can be said about the 1981 CQP? Participation (number of entries) increased 10% to 180 logs. The average score of either a California or an out of state top ten station increased at least 15%. 10 California stations worked 57 or more multipliers; 11 out of state stations worked 45 or more California counties. Activity was up, and scores were up.

The winner of the high out-of-state single op trophy for 1981 is Mike Kelly, WDØEWD, with a new out of state record of 81,324. Mike was closely followed by Scott Zucker, WAØAVL, 1980's winner, who made one QSO less but got 2 fewer sections. The winner of the California DXpedition trophy for 1981 is Ken Ruddock, K6HNZ. County hunters remember Ken from previous years in Colusa, Glenn, and Tehama counties; his 1659 QSOs and 57 sections easily topped all other DXpeditions. The winner of the California single op trophy for 1981 is Larry Tyree, N6TR, with a score of 293,248, outdistancing Gary Caldwell, WA6VEF (Op N6BT) by almost 10K. The difference comes down to 53 QSOs and one multiplier - VE8. The QSO total difference was a result of a better rate for N6TR during the last three hours of the contest. Below are the top ten boxes for California and out of state stations.

CALIFORNIA SINGLE OPS

OUT OF STATE

<u>Call</u>	<u>CW Qs</u>	<u>SSB Qs</u>	<u>MUL</u>	<u>SCORE</u>	<u>CALL</u>	<u>CW Qs</u>	<u>SSB Qs</u>	<u>MUL</u>	<u>SCORE</u>
N6TR	310	2063	58	293,248	WDØEWD	168	501	54	81,324
N6BT	325	1998	57	283,347	WAØAVL	171	497	52	78,364
N6BV	282	1488	58	221,676	N4BAA	141	312	49	51,303
AI6V	∅	1855	58	215,180	WA5DJK	154	249	48	46,080
K6HNZ	∅	1659	57	189,126	WB5YXK	178	149	45	37,440
KI6O	330	972	57	167,238	W1GNR	189	113	44	34,892
N6PE	362	882	56	159,600	K7GM	156	187	41	34,522
N6QW	270	933	58	155,208	W3HDH	152	166	42	33,096
AA6G	41	1227	57	146,889	WA1FCN	131	149	47	32,477
AA6RX	89	1085	57	138,909	KD4XR	∅	342	47	32,148

CALIFORNIA MULTI OPS

DX TOP FIVE

<u>CALL</u>	<u>CW Qs</u>	<u>SSB Qs</u>	<u>MUL</u>	<u>SCORE</u>	<u>CALL</u>	<u>CW Qs</u>	<u>SSB Qs</u>	<u>MUL</u>	<u>SCORE</u>
AJ6O (M-M)	151	1908	57	243,333	SM3DXC	41	1	33	4,125
N6AHA (M-S)	105	1298	57	165,927	JA1OP	46	∅	23	3,174
K6AA (M-S)	274	455	54	93,528	JR7TJP	∅	53	26	2,756
K6YA (M-M)	259	400	53	83,581	PY1NEZ	∅	61	20	2,440
KS6H (M-S)	300	341	50	79,100	LU6EF	19	24	21	2,205

LOCAL QRM.....Rained so hard Friday night, the tent floor was like a waterbed. Weather at 9200' on Sat. continued poor, hampering oper. On Sunday, morning a pail of water left out, had a layer of ice 3/4" thick on top (N6AU/6)..... It was 40°F & 50 mph winds. Miserable!! (WA6OCU).....If I hadn't smoked my amp 1 hr B4 contest time, I suspect I could have done better. Murphy seems to live in my shack. (KQ6V).....This contest is a blast. Working 35 countries & WAC w/o trying made up for the missed multiplier, Wyo-(AA6RX).....Maybe Cal Int'l QSO Party would be a better name. Worked 47 countries & 334 DX QSOs. (AI6V)

OUT OF STATE STATIC.....After test was over, I discovered that my 2 el Quad, which I had confidently swung toward Cal on Sat, actually spent the entire contest pointing North. Next year I'll check it first. (K1ITS).....Another great Cal contest. Appreciate the super level of Cal participation. (K2PF).....Finally worked all Cal counties in 3 yrs of this contest. Best in one year (1979) was 50 but could only find 47 in both 80 & 81. Tks to the mobiles that made it possible.(WB5KIA) Enjoyed the contest - especially working it QRP. (WD8IDD).....Loudest consistent signals: K6HIH & N6RZ. Did not make any new ones & still missing Alpine with W6WB/6 (QSO in Oct 1979). What can I do to get a card form him? I plan to be in Visalia in the springtime. (HB9AW)

1980 Correction: An error was made in computing the score of one of the top ten stations, WB5KIA. The QSO totals are accurate, but the final score should be 30,645, raising WB5KIA from 8th to 7th place among out of state stations.

MISCELLANEOUS CONTEST DATA AND BAND BREAKDOWNS

CALIFORNIA SINGLE OPS

Call	10C	10P	15C	15P	20C	20P	40C	40P	80C	80P	TotC	Tot P	Mults	Missed
N6TR	35	1074	130	596	81	283	48	76	16	34	310	2063	58	-
N6BT	59	980	70	595	85	276	82	90	26	55	325	1998	57	VE8
N6BV	101	772	79	395	58	198	41	104	3	19	282	1488	58	-
AI6V	0	1024	0	567	0	90	0	91	0	83	0	1855	58	-
K6HNZ	0	787	0	589	0	165	0	60	0	58	0	1659	57	VE8
KI6O	89	486	83	287	84	136	61	33	13	30	330	972	57	VE8
N6PE	101	573	83	261	96	122	55	26	27	0	362	882	56	VE8, Wyo.
N6QW	68	493	105	274	54	76	31	45	12	45	270	933	58	-
AA6G	25	730	11	176	0	156	0	142	0	18	41	1227	57	VE8
AA6RX	53	519	0	338	36	173	0	52	0	3	89	1085	57	Wyo.

OUT OF STATE SINGLE OPS

WDØEWD	51	292	52	130	22	32	31	30	12	17	168	501	54
WAØAVL	40	353	53	60	43	54	32	19	3	11	171	497	52
N4BAA	31	148	44	74	37	59	26	20	3	11	141	312	49
WA5DTK	38	93	55	75	41	50	20	29	0	2	154	249	48
K7GM	20	17	37	26	44	46	32	68	20	30	156	187	41
WA1FCN	33	77	47	52	37	20	14	0	0	0	131	149	47

Most Competitive County- Santa Clara County (4 scores over 100K)

Most Competitive State- Texas (4 Scores over 10K)

Most Entries, one county- Santa Clara and San Mateo, 6 entries

Most Entries, state- Pennsylvania, 8 entries

All 58 California counties were found in someone's log; for those that missed Sierra, Siskiyou, Tehama, Yuba, Lassen, Madera, or Mariposa, activity was light.

For the Californians that missed VE8, either 20 or 10 were the bands to get one on. Wyoming showed up in many logs on 80M phone.

SCORE LISTING: (CW QSOs, Phone QSOs, Mults, Total Score)

M-S denotes multi-single entry; M-M denotes multi-multi entry)

* denotes new county or state record.

CALIFORNIA									
					Monterey				
					* KQ6V	71	854	57	109,497
					WA6OCV	0	2	2	8
Alameda					Napa				
W6BSY	0	829	54	89,532	* K6XO/M6	100	167	39	24,726
K6ARE	101	2	32	9,824	Nevada				
K6XO/M6	5	10	10	350	* AI6V	0	1855	58	215,180
Calaveras					Orange				
* WA6KXN	0	808	49	79,184	N6PE	362	882	56	159,600
Del Norte					N6UH	301	10	40	36,120
W6NAT	0	236	43	20,296	Placer				
Fresno					* W6SZN	299	654	55	121,275
WB6ITM	0	49	23	2,254	Plumas				
KS6H	300	341	50	79,100	* K6KWN	139	0	33	13,761
(M-S; KS6H, N6ZB ops)					Riverside				
Humboldt					WA6KFX	77	152	44	23,510
* AA6DX	203	622	53	98,209	Sacramento				
Inyo					* KI6O	330	972	57	167,238
WA6DZM	22	92	32	8,000	K6SG	119	720	55	98,835
Kern					KV6H	122	688	53	92,326
W6SX	133	11	38	15,998	N6ESV	0	263	44	23,144
Lake					N6JM	57	83	33	11,121
* K6HNZ	0	1659	57	189,126	San Benito				
Los Angeles					WA6OCV	1	470	56	52,808
AA6RX	89	1085	57	138,909	(M-S; WA6OCV, N6RZ ops)				
N6HC	211	689	54	108,594	San Diego				
N6COG	0	301	48	28,896	AA6EE	253	0	44	33,396
AJ6O	151	1908	57	243,333	San Joaquin				
(M-S; AJ6O, N5FA, KE6EL ops)					W6MYP	153	136	42	30,702
K6AA	274	455	54	93,528	San Luis Obispo				
(M-S; WB6HEU, WD8AGN, KN6C ops)					W7GB/6	27	204	44	21,516
Madera					San Mateo				
* N6AU/6	16	1	11	550	N6BV	282	1488	58	221,676
Marin					N6NF	129	869	56	119,000
K6LRN	82	1	35	8,680	K6MO	269	0	41	33,087
K6YA	259	400	53	83,581	KA6HDK	0	44	19	1,672
(M-M; W8RPA, N6EAF, KA6MPK, WA6LIJ, K6MA, KA6FRY, KA6LTJ, and N6BZA, ops)					K6XO/M6	12	26	17	1,496
Mono					N6AHA	105	1298	57	165,927
N6AU/6	19	0	13	741	(M-S; N6AHA, KB7SC, KD6ZY ops)				
					Santa Barbara				
					W6OUL	260	797	56	132,944

Santa Clara					Florida				
* N6BT	325	1998	57	283,347	* N4BAA	141	312	49	51,303
(WA6VEF, op)					K4ZT	130	34	35	16,030
N6QW	270	933	58	155,208	WA4OML	143	0	29	12,441
AA6G	41	1227	57	146,889	KA4JZS	36	47	35	7,070
AJ6V	174	685	54	102,168	N4FOC	0	49	21	2,058
WB6DSV	151	226	49	44,345	KA4DRM	0	12	6	144
W6PRI	58	0	20	3,480					
Santa Cruz					Georgia				
WA6OCV	0	3	1	6	K4BAM	31	0	15	1,395
Solano					Idaho				
* K6HIH	436	395	55	115,390	WB7TJI	50	47	33	8,052
Sonoma					Illinois				
* KB6ZA	3	1191	57	136,287	* WA0AVL	171	497	52	78,364
K6ANP	188	904	55	130,460	K9BG	88	109	40	20,080
Trinity					KB9E				
* WB6NBE	0	240	49	23,520	W9REC	44	64	36	9,360
Tuolumne					W9QWM				
N6IP	0	496	49	48,608	KC9DL	0	51	24	2,448
(M-S; N6IP, N6CDJ, WB6NBR ops)					Indiana				
Ventura					KA9IQQ				
* N6TR	310	2063	58	293,248		3	85	30	5,370
KD6LB	0	397	52	41,288	Iowa				
N6VR	66	139	40	19,040	* WD0EWD	168	501	54	81,324
Yolo					KJ0D				
* N6JV	196	528	54	88,776	WA0VBW	36	119	40	13,840
K6CSL/6	86	48	31	10,974	Kansas				
OUT OF STATE SCORES					WD0FNI				
Alabama					N0CLV				
* KD4XR	0	342	47	32,148	KB0KX	0	127	34	8,636
K4ZGB	80	169	45	26,010	Kentucky				
Alaska					NO4P				
NL7D	0	178	31	7,316		0	117	36	8,424
Arizona					Maine				
* K7GM	156	187	41	34,522	WB1GLH	57	214	43	25,757
Arkansas					W1CTR				
KE5B	112	123	40	23,280		0	16	12	384
K5GOE	0	22	17	748	Maryland				
Colorado					K3ZZ				
N0BYP	21	64	28	5,348	W3ICM	0	22	17	748
Connecticut					Michigan				
* W1GNR	189	113	44	34,892	* W8WVU	165	0	36	17,820
WA1FCN	131	149	47	32,477	W8YL	61	0	27	4,941
KF1B	0	19	14	532	Minnesota				
Delaware					* AJ0P				
* N8NA/3	70	66	31	10,602	N0BOC	0	305	47	28,670
					N0BOC				
					KE0A				
					WD0BIE				
					49 116 41 15,539				
					Mississippi				
					WB5GRI				
					0 57 33 3,762				
					Missouri				
					K0TBB				
					89 66 40 15,960				

Nebraska				
AKØG	24	94	30	7,800
New Hampshire				
* K1ITS	157	111	41	28,413
W1ICU	0	74	32	4,736
New Jersey				
* N2AEW	108	102	41	21,648
WB2CST	172	0	33	17,028
KC1K/2	120	28	36	14,976
K2PF	66	69	34	11,424
N2CIW	0	97	34	6,596
W2CC	0	1	1	2
New Mexico				
K5QQ	0	94	32	6,016
N5ACP	0	31	17	1,054
New York				
WB2TKD	0	120	37	8,880
W2MEI	67	0	26	5,226
WA2UDT	10	58	27	3,942
WB2OFV	0	44	21	1,848
K2POF	3	28	18	1,170
North Carolina				
KB4XK	23	95	34	8,806
North Dakota				
NØCZO	0	39	19	1,482
Ohio				
KA8JRI	85	138	40	21,240
KA8IGM	101	104	35	17,885
WD8IDD	0	139	42	11,676
WD8ALG	35	98	30	9,030
AA8S	0	40	21	1,680
Oklahoma				
* N5AFV	0	164	44	14,432
Oregon				
K7VM	68	47	32	9,536
Pennsylvania				
* W3HDH	152	166	42	33,096
AD8J/3	59	92	40	14,440
W3ARK	52	79	34	10,676
KA3DSW	0	101	37	7,474
WA3GNW	10	67	32	5,248
WA3JXW	31	28	22	3,278
WB3KNJ	0	55	23	2,530
KA3HEJ	0	31	18	1,116
Rhode Island				
N1RI	25	25	24	3,000
South Carolina				
WA4YUU	0	101	34	6,868
K4BZD	0	48	20	1,920

Tennessee				
KD4PP	75	140	39	19,695
N4ARO	56	35	32	7,616
W4OGG	10	70	30	5,100
Texas				
* WA5DTK	154	249	48	46,080
WB5YXK	178	149	45	37,440
WB5KIA	78	208	47	30,550
W5PWG	0	159	36	11,448
W5NR	102	0	30	9,180
WA5IYX	0	109	31	6,758
KC5HO	0	74	30	4,440
Virginia				
K4OD	57	53	36	9,972
W4KMS	14	41	25	3,100
Washington				
WA6NHB/7	0	114	30	6,840
KB7EO	0	51	22	2,244
Wisconsin				
* K9GDF	101	144	43	27,520
Maritimes				
* VE1BNN	112	152	43	27,520
VO1AW	59	56	30	8,670
Manitoba				
VE4AAF	0	76	26	3,952
British Columbia				
VE7AVN	0	160	38	12,160
DX ENTRIES				
Japan				
JA1OP	46	0	23	3,174
JR7TJP	0	53	26	2,756
JHØLBQ	21	18	22	2,178
JA8CFA	0	30	17	1,020
JA8ILE	0	11	10	220
JA4VZX	0	9	9	162
JK1RJQ	0	5	5	50
JA4HCK	0	5	4	40
JA9YBA (MM)	23	64	31	6,107
JF1YAQ (MS)	5	45	27	2,835
JA1YUN (MS)	1	18	13	507
Europe				
SM3DXC	41	1	33	4,125
HB9AW	33	0	17	1,683
G4HBI	0	27	20	1,080
South America				
PY1NEZ	0	61	20	2,440
LU6EF	19	24	21	2,205
PY8ZLC	0	11	9	198

CALIFORNIA QSO PARTY ALL TIME SINGLE OPERATOR RECORDS

ALAMEDA	W6SZN	80	232,788	1939	57	ALABAMA	KD4XR	81	32,148	342	47
ALPINE	W6XB	79	70,700	707	50	ALASKA	AL7H	80	9,826	110	34
AMADOR	K6CQF	75	136,304	1217	56	ARIZONA	K7GM	81	34,522	343	41
BUTTE	K6OQ	78	35,700	357	50	ARKANSAS	WA5DTK	79	24,012	261	46
CALAVERAS	WA6KXN	81	79,184	808	49	COLORADO	WBØIWL	75	9,348	123	38
COLUSA	K6HNZ	80	97,240	884	55	CONNECT.	W1GMR	81	34,892	302	44
CONTRA CO.	N6RO	80	134,064	1111	56	DELAWARE	N8NA/3	81	10,602	136	31
DEL NORTE	W6NAT	77	36,676	346	53	FLORIDA	N4BAA	81	51,303	453	49
EL DORADO	W6TPH	79	193,820	1762	49	GEORGIA	N4NX	79	26,602	283	47
FRESNO	W6DPD	77	8,584	116	37	HAWAII	AH6BL	79	8,514	129	33
GLENN	K6HNZ	80	97,240	884	55	IDAHO	WA1PID	75	54,172	467	58
HUMBOLDT	WB6SXJ	79	139,810	1271	55	ILLINOIS	WAØAVL	81	78,364	668	52
IMPERIAL	WB6RMG	75	44,086	469	47	INDIANA	W9STW	75	13,158	153	43
INYO	WA6DZM	79	128,336	1234	52	IOWA	WDØEWD	81	81,324	669	54
KERN	W6BYH	80	53,459	441	49	KANSAS	WDØHAP	79	28,350	315	45
KINGS	K6OZL	75	17,040	213	40	KENTUCKY	WA4QMQ	79	21,216	221	48
LAKE	K6PJY	78	33,026	337	49	LOUISIANA	W5WG	80	26,160	253	40
LASSEN	W6PBG	76	13,394	181	37	MAINE	WB1GLH	80	12,617	168	37
LOS ANG.	KB6FT	79	201,956	1741	58	MD-DC	WB3IXC	79	24,990	258	44
MADERA	N6AU	81	550	17	11	MASS	WB1HIH	80	16,335	168	33
MARIN	W6JZZ	75	35,010	389	45	MICHIGAN	W8WVU	81	17,820	165	36
MARIPOSA	W9OIJ	69	15,689	167	47	MINNESOTA	AJØP	81	28,670	305	47
MENDOCINO	AE6U	79	135,740	1234	55	MISS.	W5SX	78	5,200	100	26
MERCED	WB6TQS	76	28,576	304	47	MISSOURI	NØRJ	78	23,220	258	45
MODOC	K6XB	78	5,376	112	24	MONTANA	W7JYW	75	19,006	221	43
MONO	N6AU	78	6,188	91	34	NEBRASKA	WØEKB	79	23,520	240	49
MONTEREY	KQ6V	81	109,497	925	57	NEVADA	WA7NIN	76	33,696	432	39
NAPA	K6XO	81	24,726	267	39	NEW HAMP	K1ITS	81	28,413	268	41
NEVADA	AI6V	81	215,180	1855	58	N JERSEY	N2AEW	81	21,648	210	41
ORANGE	K6LL	77	173,536	1496	58	N MEXICO	N5RR	80	15,894	173	37
PLACER	W6SZN	81	121,275	953	55	NEW YORK	N2ALK	79	13,416	172	39
PLUMAS	K6KWN	81	13,761	139	33	N CAROLINA	WA4GLE	79	12,836	172	38
RIVERSIDE	WA6KFX	80	43,142	385	45	N DAKOTA	WDØCCL	78	15,200	190	40
SACTO.	KI6O	81	167,238	1302	57	OHIO	AA8S	79	23,970	255	47
S.BENITO	W6JQC	80	63,350	545	50	OKLAHOMA	N5AFV	81	14,432	164	44
S.BERNA.	WB6DAW	76	42,188	398	53	OREGON	W7CB	80	19,184	200	44
S.DIEGO	W6RDF	75	111,940	965	58	PENNA	W3HDH	81	33,096	318	42
S.FRAN.	N6BV	79	232,560	2040	57	RHODE IS	K1JA	79	13,104	168	39
S.JOAQ.	K6AYA	76	101,640	965	58	S CAROL	K4BZD	78	7,722	117	33
S.LUIS OB.	W7CB	77	106,040	964	55	S DAKOTA	WØWUU	78	3,100	62	25
S.MATEO	N6BV	80	268,296	2118	56	TENN	K4LTA	80	36,585	340	45
S.BARB.	W6OUL	80	165,642	1301	57	TEXAS	WA5DTK	81	46,080	403	48
S.CLARA	N6BT	81	283,347	2323	58	UTAH	WA7KZP	71	2,204	76	39
S.CRUZ	N6RZ	80	276,892	2338	58	VERMONT	WA1IHN	67	1,224	68	18
SHASTA	AA6DX	79	168,376	1619	52	VIRGINIA	WA4KKP	76	47,520	540	44
SIERRA	WB6YQW	79	15,336	213	36	WASH	N7ZZ	77	52,704	488	54
SISKIYOU	K6ITL	75	6,384	133	24	W VA	W8CNN	75	3,264	48	34
SOLANO	K6HIH	81	115,390	831	55	WISCONSIN	K9GDF	81	23,049	245	39
SONOMA	KB6ZA	81	136,287	1194	57	WYOMING	K3ZMI	75	640	20	16
STANIS.	W6PXG	76	32,500	325	50	MARITIMES	VE1BNN	81	27,520	212	46
SUTTER	WA6TOO	78	93,138	817	57	QUEBEC	VE2ANE	79	1,776	37	24
TEHAMA	K6HNZ	78	93,060	846	55	ONTARIO	VE3DAP	79	16,112	212	38
TRINITY	WB6NBE	81	23,520	240	49	MANITOBA	VE4VV	79	12,768	168	38
TULARE	WA6KMW	77	14,400	200	36	SASK	VE5US	75	5,680	71	40
TUOLUMNE	N6IP	79	38,976	406	48	ALBERTA	WB6IFA	69	1,407	67	21
VENTURA	N6TR	81	293,248	2373	58	BRIT.COL.	VE7DSA	77	20,056	218	46
YOLO	N6JV	81	83,776	724	54	NWT-YUKON	NO ENTRY				
YUBA	W6NJU	75	6,262	101	31	ASIA	JA1OP	81	3,174	46	23
						EUROPE	SM3DXC	81	4,125	42	33
						S AMER.	PY1NEZ	81	2,440	61	20

"SIMPLE METHODS USED TO REDUCE HI-FI TV, RADIO AND TELEPHONE INTERFERENCE"

BY: W6BIP

10:00AM SATURDAY, APRIL 17 AT THE INTERNATIONAL DX CONVENTION, VISALIA, CA.

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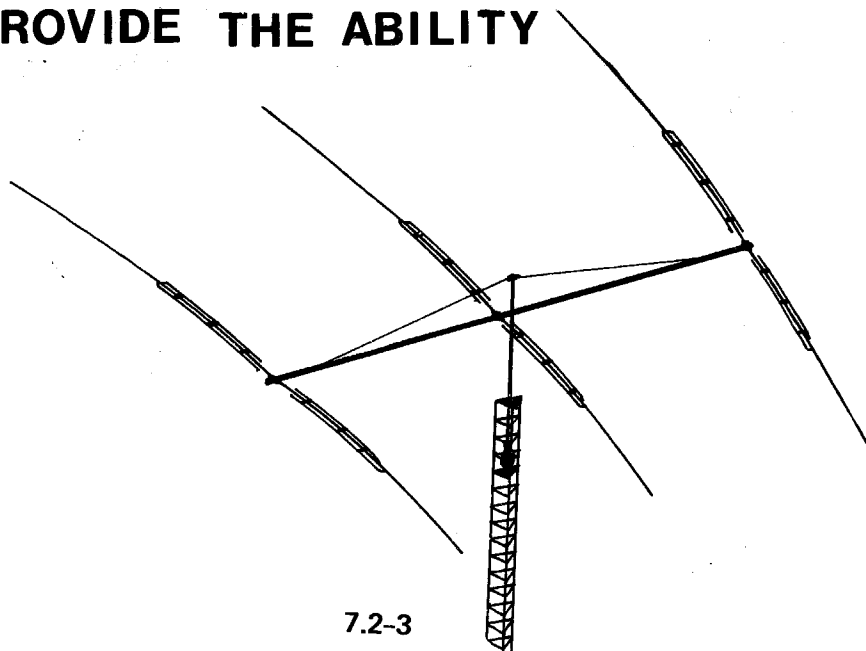
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7.2-3

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- Gain: 6.5 dBd
- F/B: 20 dB
- Feed Impedance: 50 ohms unbalanced
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- Boom length/Dia: 32'/3"
- Weight: 70 lbs
- Windload: 10 sq ft
- For mast: 2" O.D.

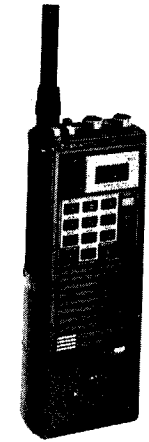
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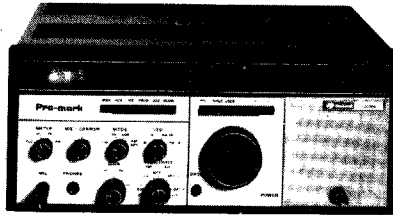


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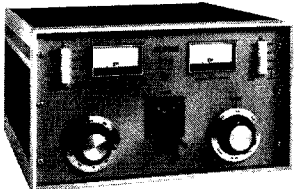


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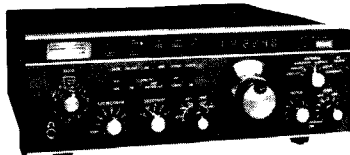
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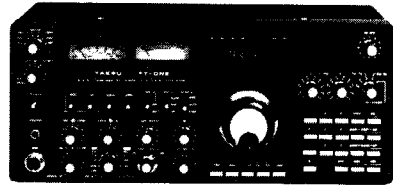


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