

Results, 1994 ARRL 10-Meter Contest

You can learn more about propagation from one intensive effort in the 10-Meter Contest than from a lifetime of reading books.—Walt, AC1O/4

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Contest Manager Assistant Contest Manager

Are the bands starting to bounce back? Apparently not. This year's contest saw a return of what we had last year—rotten conditions, little DX and contesters everywhere banging their heads against the table in frustration. There just aren't enough sunspots to go around these days, and until the sun comes up with some, we're all going to suffer.

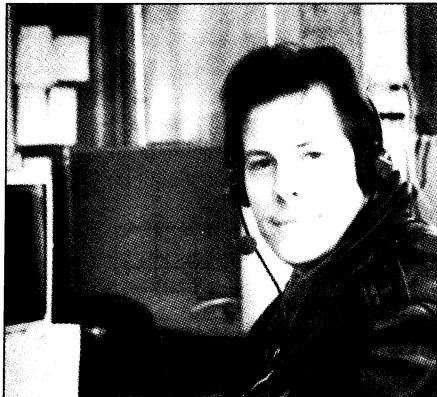
This time of the sunspot cycle, there's only one thing to do in this contest—beam south of the border. This is a great time to work all those South American stations (and maybe even polish your high school Spanish!). LU stations most of us never dreamed

existed suddenly show up ready, able and eager to be worked. Did you know there's an Argentinian Novice phone subband on 10 meters? Were you to tune up between 28.900 to 29.100 MHz, you'd probably find the band chock-full of low-power phone stations you could work pretty easily. If your Spanish isn't up-to-date (or if it's nonexistent), the League's publication *Hola CQ* is a good place to get started when building up your Spanish QSO repertoire.

Okay. So it wasn't the greatest 10-Meter Contest of all time. The top scores were roughly half as much as they were last year. Just because you couldn't work DXCC with 4 W to a wet piece of string in your basement doesn't mean those who did get on just sat—

bored—around their radios. There was plenty of contesting action to go around. No matter where you were or what class you entered, a decent competitive effort probably would have won you a certificate—almost 50% of everyone who entered this year's contest won an award. You can't beat that! Check your mailbox—maybe yours is there.

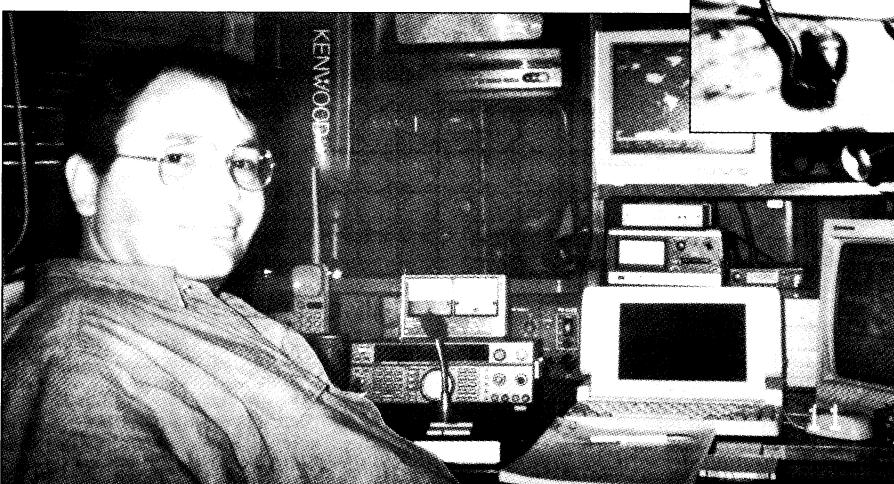
For those who were patient or diligent enough to look for it, we had E skip, backscatter, meteor scatter and all kinds of "lesser enhancements" that, put together, almost made up for the lack of those big openings we've come to love and adore. Everyone we heard from had a good time. Gary, W9XT, even was able to work a few Europeans from Wisconsin. Antonio, CT1DVV, operating CT8T, worked French Polynesia at 1639Z during the US opening—that's not shabby DX for this part of the solar cycle.



Phil, AA5FJ, reports, "Lots of rain on Saturday and few openings on Sunday kept my score down, but it was a lot of fun anyway."



There's got to be somebody out there somewhere! Laura, WL7CBN, carefully tunes the band for signals.



Ray, ZP6XR, spent a lot of time watching TV while waiting for the band to open.

Top 10, W/VE

Mixed Mode, QRP		Phone Only, High Power	
AA2U	238,212	KC2X	329,460
K6JCV	121,856	K1IU	288,508
AA6KX	48,060	K4VUD	280,608
KA4RRU	37,400	NY1E	276,450
K5ED	28,620	KS3F	231,168
K7FR	21,840	VG1YX	218,892
WA6FGV	20,678	N8RA	184,106
WF4U	18,360	N2EOC	183,098
N9NE	16,598	NR5M	168,168
K7YHA	15,088	K5XI (KE5FI,op)	149,732
Mixed Mode, Low Power		CW Only, QRP	
W3EP	279,992	WO2N	38,880
WA6KUI	249,528	WT3W	34,404
WA9QOA	243,832	W4DEC	29,792
K2YY	162,162	N8AP	28,620
K4ZGB	146,880	N4ROA	22,984
N7LOX	138,936	KA1O	18,480
K1HMO	134,400	K2SM	16,940
N6NF	123,696	WM4U	16,520
K4BAI	108,800	K8LJQ	15,232
W3UJ	106,944	NM1K	11,336
Mixed Mode, High Power		CW Only, Low Power	
N4ZC (WZ3Q,op)	635,056	AC1O/4	205,500
AC4NJ (WC4E,op)	609,132	K3MQH	128,928
W5WMU	533,600	KM0Q	121,472
K3ZO	447,016	N4MO	112,060
W1FEA	305,900	KR4DL	106,020
WS1M	268,320	W5HUQ	97,732
K6LL	242,148	AA8AV	76,792
W9XT	201,600	WS1E	76,096
K5ZD	200,124	KN4Y	73,800
KD2I	197,400	NW6S	71,940
Phone Only, QRP		CW Only, High Power	
KA3JSO	18,032	N2AA	203,904
WE2H	9,636	N4BP	190,092
N8LMT	8,500	VE9ST	189,696
W6CN	7,616	W3GH	179,256
KB1AWI/T	6,156	N8SR	119,040
AB4KL	4,680	KB4GID	117,760
WB0IWG/T	2,040	WD4AHZ	106,560
K06KA	1,224	KB9S	105,728
N3PFF	1,044	N6YK/7	93,032
N8ZR/0	840	WM4Z	93,024
Multioperator		WS4F	
		549,672	
		VE3XO	429,746
		KA2DRH	427,056
		AA1JD	416,264
		AA8U	407,430
		W0AIH	401,920
KC3PZ	125,664	N5OLS	343,976
KD4HXT/T	107,040	NC0P	343,720
WB2BZR/3/T	96,348	WA2JQK	339,456
N8TLZ	79,212	W9OEH	330,132
AA5FJ	69,960		
WA4ZXA	65,514		
N3ADL	55,572		
AD4TG	54,480		
N5OKR	50,400		
KG7IZ	49,610		

If you talk to many of this year's participants, you'll find a common phrase: interesting. Whether it was Todd, WDØT, working the E and F openings to the East Coast on Saturday morning, or Don, VE6JY, working a few African stations, virtually everyone found something this year that piqued their interest. Not to mention all those "sunspot cycle junkies" addicted to this contest, if only to keep track of what happens next.

Novices or Technicians with 10-meter privileges had a field day working stations in this contest. Are you tired of tuning from 28.300 to 28.500 MHz and hearing nothing but hiss? When the 10-Meter Contest hits, you should find lots of people to work who you've never heard before—from new states to new countries. Everyone has to start somewhere! More than 70 Novices and Technicians took our advice this year, and their results were impressive. Two of the top three finishers in the Phone-Only, Low-Power category were Technicians. Dan, KD4HXT, made 892 QSOs with just 100 W and a tribander. Great effort!

So don't let another 10-Meter Contest pass

you by. It may not be an easy weekend, but we think you'll find it rewarding. Besides, who knows what propagation we'll have offered to us? This year's contest will be December 9 and 10, so don't miss out!

Backscatter

The propagation was interesting, given this time of the sunspot cycle. The Northeast had F-layer propagation to all continents except Asia, and many hours of sporadic E on Saturday and Sunday (W3EP). Although I haven't operated in a contest since 1968, I still find them as addictive as they were back then. I just wish my apartment was rotatable and the dipole in my bedroom was always in that optimum position (W1DYJ). Two days before the contest I put the finishing touches on the tower and antenna, and completed them that evening in the dark! At 2350Z I was still wiring antennas, rotators and the phase-matching network into the shack, and I didn't fire up the amp until 0030Z. Isn't this the way it's supposed to be? Thank goodness everything played right the first time (KD1NG). What a fun contest! I look forward to this operating event each year. Saturday night brought outstanding conditions, even well after sunset. The contest was exciting and loads of fun (N1QME). This was my first attempt at working QRP. I operated for approximately eight hours and there was a great deal of activity (KD2IX). This year's contest marks the second full sunspot cycle in which I've been active. The sporadic E made for interesting openings from here to the Maritime provinces of Nova Scotia and New Brunswick, and I worked down into Virginia and west into Ohio (WB2AMU). Murphy entered the picture; I had a couple of leaky power lines in the neighborhood and an S5 noise level periodically for the balance of the contest. My biggest thrill was having the 5W call me (N5OKR). I enjoyed the contest; it was a lot of fun trying to dig out the contacts, and surprising when they came back to you (KC4YM). Ten meters was unpredictable this year. There were times African stations would be booming in, then South America, New England, followed by California and Hawaii. Then the cycle would start all over again, with a few north central stations thrown in (W9CNF). Murphy struck me twice. The first mishap occurred when conditions toppled downward, then, to add insult to injury, my rotator gave up the ghost and quit. The only good thing that happened was that the beam stuck in a northerly direction and, despite the appearance of Murphy, we did well and had a lot of fun (WD4AHZ). This was my first contest and I found it a great experience. I'll certainly be back for next year's contest (KE4PUC/T). I was surprised by the variety of brief openings. It helped to hone my contesting skills and techniques. This was the most exciting contest I've been in on the past three years (KD4IBI/T). I enjoyed my first contest. My dad, WD4KXB, piqued my interest and the bug has bitten. It was a fun experience (KC4SZT). I'm 14 years old and have only been a ham for a short time. It was fun to contact Brazil and Canada because these were my first contacts outside the US (KE6GDA). I worked every possible mode of communication, from backscatter to meteor! We had great openings to Ohio, Florida and Maryland (W1FEA). The sunspot cycle made it fun to watch signals because every conceivable mode of propagation came and went. This was a real study in propagation characteristics of the 10-meter band (AA7BG). There were good E openings to the eastern areas and then short openings to Canada, the Dakotas and Wyoming. These were the highlights of my contest weekend. It made for a diversity of propagation (N9AG). Propagation conditions were on the low side, but I enjoyed working the backscatter at night. This was what made the contest a lot of fun (WA8RCN). There was a nice band opening on Saturday morning, but it was just a juicy little tidbit to whet my appetite for the next contest (K9OSH). There were good Es openings on Saturday morning. Sunday was down a little, with the high point being able to work a few European stations. This made my whole weekend worthwhile (W9XT). It was fun to fire up the old rig for a change. I usually enter mixed mode, but

Top 10, DX

Mixed Mode, QRP		Phone Only, High Power	
L5F (LU1FNH,op)	65,320	LU6ETB	454,308
G0AEV	5,082	PQ0MM	273,282
JR4GPA	1,920	LT0A (LU1ARL,op)	265,960
I4MFA	1,440		
T94NE	560	VP2VF	187,452
DL1DQY	324	9J2FR	141,732
JE7DOT	110	ZL1ANJ	100,320
ON5EU	90	D2EGH	81,144
TA2ZO	30	CE3DPV	72,540
Mixed Mode, Low Power		ZP6XR	36,036
5T5JC	260,000	CT8T (CT1OW,op)	35,502
EA1AK/E8A	73,568		
XE1/A6RX	50,410	CW Only, QRP	
PW2A (PT2BW,op)		J46UBK	800
		G0TDX	392
VK2PK	47,952	JE1PMQ	180
WG3/C6A	37,992	IK5TSS	36
VK4EMM	36,120	CW Only, Low Power	
VP9MZ	22,984	CX6VM	240,768
LU5EW	18,124	LW4DYI	196,200
LU7FEU	13,200	LU1EWL	146,640
Mixed Mode, High Power		KP4TQ	118,720
LU1WFA	452,244	PJ2/P0VVDV	90,316
LR0DX (LW9EUJ,op)		ZS1AFX	64,960
		LU6EF	47,784
ZS6RI	378,400	VK4XA	40,404
S50R	132,924	PY2OU	37,524
VK5GN	47,256	VK2AYD	25,760
CW Only, High Power		LS0A (LU6BEG,op)	
JF3NLQ	30,690		
ZA1AJ (OK2VZ,op)	27,132	LS1EE	381,780
	12,282	YV1OB	117,876
7Z5OO (K3UOC,op)	11,696	OS4WW (ON4WW,op)	104,016
			41,808
DL5JAA/P	8,844	F5DE/P	41,440
	3,424	EA2IA	20,868
Phone Only, QRP		8P9GE (K2PF,op)	
LW7EIC	2,958		
VK4NEF	2,664	PY1AJK	13,312
JF3EIU	1,914	VS6BG	11,200
S51RW	1,728	HABVK	10,112
OK1ARI	396	UA0SJ	8,624
EA3GIW	84	PT7CB	1,067,354
YQ0ATW	32	LV1V	1,001,092
	20	CW0A	986,898
Phone Only, Low Power		L50V	701,714
LU4D (LU4XU,op)		VP5JM	329,640
		LU1FZR	307,152
		LU8HSO	133,380
		HK3JJH	130,390
		LU5FCI	125,960
		LU3HIP	121,344
		KP4TB	97,482
		ZS9UF (ZS6YA,op)	84,000
		LU6AMD	82,170
		LU1HTF	76,208
		LR0N (LU2NI,op)	33,258

inadvertently left my mike at college. I found out that CW was interesting and a lot of fun (NEØP). This contest was a lot of fun, even for one who's just eight years old, and I enjoyed working many US stations and a few foreign ones. This gives me a chance to practice my operating and contest skills, and maybe I will become one of the top-notch contestants in the future (KBØNLC). We were able to work many QSOs in one three-hour period Saturday morning, this made for an interesting time (KRØB). Murphy has his way of making contesting interesting—my power amplifier died on Sunday morning, but I was able to put the old home-brew amp in line at about half the power. It didn't make any difference in completing QSOs (KMØL). This was a great contest. The band really was great on Saturday morning with excellent Es and F-layer openings to the East Coast, which made the contest interesting. The exciting part was working the meteor and backscatter for most of the Stateside contacts. It was great to have K1LL to QSO with during the slow periods (WDØT). I was surprised to hear and work EL2PP, specially at this low end of the sunspot cycle, it certainly made my day (VE6JY). My time was limited to about 2½ hours, but it was enjoyable to just participate in the contest (VE6BF). It seems that the best-laid plans seem to go astray, because my logging program didn't arrive until after the contest, and it was a

Region Leaders

Boxes list call sign, score, class (A = Mixed Mode, B = Phone only, C = CW only, D = Multioperator) and power (A = QRP, B = Low Power, C = High Power).

Northeast Region	AC1O/4	205,500	C B	NR5M	168,168	B C	Asia	I4UFH	98,400	D		
(New England, Hudson and Atlantic Divisions; Maritime and Quebec Sections)	N4MO	112,060	C B	K5XI (KE5FI,op)	149,732	B C	JR4GPA	1,920	A A	EA3CWK	50,244	D
	KR4DL	106,020	C B	KB5TZJ	22,590	B C	JE7DOT	110	A A	UT7W	29,592	D
	W5HUQ	97,732	C B	W0ACT	11,832	B C	TA2ZO	30	A A	II2T	28,320	D
	KN4Y	73,800	C B	WX0U	6,844	B C	JH4UTP/1	12,558	A B	F6KLO	24,738	D
AA2U	243,080	A A								North America		
K7YHA	15,088	A A	N4BP	190,092	C C	K0RWL	56,808	C B	JF0SGW	3,920	A B	
KA1CZF	14,896	A A	KB4GID	117,760	C C	KB5UL	26,852	C B	VU2PTT	3,888	A B	
N2KPY	3,600	A A	WD4AHZ	106,560	C C	N0EID	1,860	C A	JA4ETH	3,432	A B	
KD2IX	3,560	A A	K4LTA	80,136	C C	KS0M	18,876	C B	JA1BUI	3,384	A B	
W3EP	281,976	A B	K3JT	62,176	C C	KM0Q	121,472	C B	JH4UTP/1	12,558	A B	
WA0QOA	243,832	A B	WS4F	549,672	D	K0RWL	56,808	C B	JF3NLQ	12,282	A C	
K2YY	162,162	A B	KA2DRH	427,056	D	KB5UL	26,852	C B	7Z5OO (K3UOC,op)			
K1HMO	134,400	A B	KR4YL	145,266	D	N5NMX	25,520	C B		8,844	A C	
W3UJ	106,944	A B	KD4TT	141,848	D	KS0M	18,876	C B	JA5FDJ	3,382	A C	
K3ZO	447,016	A C	KS4ID	62,222	D	WM4Z	93,024	C C	A71CW (SP5EXA,op)			
WS1M	268,320	A C				K4VX	38,304	C C	JA1WYQ	1,638	A C	
K5ZD	200,124	A C	Central Region			KN0V	24,800	C C				
KD2I	197,400	A C	(Central and Great Lakes Divisions; Ontario Section)			N0IN	13,800	C C	JF3EIU	1,914	B A	
W1BYH	106,080	A C				W7HS	7,000	C C	UA0SJ	84	B A	
KA3JSO	18,032	B A	N9NE	16,598	A A	N5OLS	343,976	D	JA7OWD	5,434	B B	
WE2H	9,636	B A	N8AXA	11,792	A A	NC0P	343,720	D	JH2MYN	2,652	B B	
KB1AWI/T	6,156	B A	WA8RJF	8,448	A A	KB0ISS	182,000	D	JH1UUT	864	B B	
WB0IWGT/T	2,040	B A	WB8BUQ	84,240	A B	KR0B	176,600	D	JI3DST	300	B B	
N3PFF	1,044	B A	WA9BOW	84,036	A D	AA5UO	99,620	D	JH2WHS	182	B B	
N8FEH				54,270	A B				8P9GE (K2PF,op)			
KC3PZ	125,664	B B	WA8YRS	48,768	A B							
WB2BZR/3/T	96,348	B B	WA1UU	41,540	A B	9K2YY	5,616	B C	JQ1BNL	2,160	B C	
N3ADL	55,572	B B				JA2GHP	432	B C	HP1AC	118,720	C B	
N5OKR	50,400	B B	W9XT	201,600	A C	JA6UBK	800	C A	VP4TO	187,452	B C	
WB2AXG/T	35,518	B B	N9AG	181,888	A C	JE1PMQ	180	C A	ZF1DJ	15,050	B C	
K1IU	288,508	B C	VE3RM	113,620	A C	K6JCV	121,856	A A	HP10OS	896	B C	
NY1E	276,450	B C	N4OGW	77,488	A C	AA6XX	48,060	A A				
KS3F	231,168	B C	K9LA	64,242	A C	K7FR	21,840	A A	VK4EMM	36,120	A B	
VG1YX	218,892	B C	N8LMT	8,500	B A	WA6FGV	20,678	A A	N7ET/DU7	5,830	A B	
N8RA	184,106	B C	N9ISN	40,284	B B	WU7F	9,928	A A	VK2VM	1,512	A B	
WO2N	39,744	C A	K14DC	39,552	B B	N7LOX	138,936	A B	JJ6TWQ	1,520	C B	
WT3W	34,404	C A	N8FWA	35,400	B B	N6NC	123,696	A B	YB6INU	726	A B	
KA1O	18,480	C A	N9LCR	33,110	B B	WD7X	77,106	A B	VK5GN	30,690	A C	
K2SM	16,940	C A	KE8KT	25,272	B B	W6UQF	70,350	A B	VK4NEF	2,664	B A	
NM1K	11,336	C A				N6HC	69,948	A B	VK4XA	40,404	C B	
K3MQH	128,928	C B	VA3TT	115,440	B C	W1FEA	305,900	A C	VK2PK	45,720	A B	
WS1E	76,096	C B	K8DJR	43,320	B C	K6LL	242,148	A C	VK4EJM	36,120	A B	
N1JAC	60,288	C B	N4NDIT	42,532	B C	N7ML	165,416	A C	N7ET/DU7	5,830	A B	
KQ1V	52,800	C B	W9YSX	42,496	B C	W7CB	109,674	A C	VK2AYD	25,760	C B	
K2DW	49,296	C B	N8ZAU	48	C A	W7LZP	99,684	A C	W4NXE/DU3	4,536	C B	
N2AA	205,056	C C	N8AP	28,620	C A	KJ6HO	38,220	B B	VK4XW	1,764	C B	
VE9ST	189,696	C C	K8LJQ	15,232	C A	KE6AGR/T	27,520	B B				
W3GH	179,256	C C	W9MSE	5,152	C A	ON5EU	90	A A	PW2A (PT2BW,op)			
W3GN	73,480	C C	KD8FW	4,400	C A	AA8AV	76,792	C B	UY7E (UR5ECE,op)			
KW2J	63,156	C C	N8ZAU	48	C A	K9OM	58,696	C B	LJ3YBB	31,280	D	
AA1JD	416,264	D				K6JCV	49,610	B B	JE3ZFS	6,528	D	
WA2JQK	339,456	D				KA6KA	1,224	B A				
K1NYK	275,520	D	KF8TM	43,632	C B	K7FR	46,010	A A	VK4YAK	532	D	
N2BM	261,252	D	N8FU	34,400	C B	K6HNZ	85,500	B C				
KY1H	214,818	D				KH6FG	61,714	B C				
Southeast Region	KB9S	105,728	C C	VE3VFR	92,560	C C	K6BIM	48,348	B C			
(Delta, Roanoke and Southeastern Divisions)	K8SJ	35,672	C C	W9OF	35,672	C C	N6RQE	31,540	B C			
KA4RRU	37,400	A A	W8PN	14,832	C C	VE6SH	432	C A				
WF4U	18,360	A A		8,320	C C	WA6VLS	392	C A				
NF3X	4,092	A A	VE3XO	429,746	D	NW6S	71,940	C B				
WA6KUI	249,528	A B	AA8U	407,430	D	AA7KF	54,208	C B				
K4ZGB	146,880	A B	W0AIH	401,920	D	K6VI	51,648	C B				
K4BAI	108,800	A B	W9OEH	330,132	D	KA7T	36,700	C B				
AA4UF	84,790	A B	K9LJN	296,948	D	N6YEU	32,480	C B				
KO4EW	76,928	A B				EA3ALV	3,640	A B				
N4ZC	641,136	A C	Midwest Region	KB9S	105,728	C C	S50R	47,256	A C	LR0DX (LW9EUJ,op)		
AC4NJ (WC4E,op)	609,132	A C	VE3VFR	92,560	C C	ZA1AJ (OK2VZ,op)			686,400	A C		
W5WMU	539,980	A C	W0VXQ	88,312	A B	WA6VLS	392	C A	LU1WFA	452,244	A C	
WA4CQG	178,188	A C	W0VXQ	66,518	A B	NW6S	71,940	C B	CE5CNT	27,132	A C	
W4NTI	174,796	A C	W0VXQ	88,312	A B	AA7KF	54,208	C B	LW7EIC	2,958	B A	
						K6V	51,648	C B	LU4D (LU4XU,op)			
AB4KL	4,680	B A	WD0T	63,788	A B	WA7XQP	18,432	D	FB1OMN	196	A C	
KD4HXT/T	107,040	B B	WT5U	46,512	A B	VE7RCN (VE7CYT,op)						
N8TLZ	79,212	B B	ND7M	31,752	A B	EA7BA	22,428	B C				
AA5FJ	69,960	B B	K0TT	188,134	A C	OS6TT	18,144	B C	CX6VM	242,304	C B	
WA4ZX	65,514	B B	NX0I	82,628	A C	CT1EAT	2,852	B B	LW4DYI	196,200	C B	
AD4TG	54,480	B B	W7SE	61,936	A C	KG6ME	29,920	C C	PQ0MM	273,282	B C	
						T94NE	560	C A	LT0A (LU1ARL,op)			
KC2X	330,820	B C	N0KV	38,500	A C	EA1AK/EA8	260,000	A B	EA3AML	2,640	B B	
K4VUD	280,608	B C	AA0A	24,768	A C	KG6KJ	73,568	A B	CE3DPV	265,960	B C	
NH6SR	116,688	B C	N8ZRI/Ø	840	B A	5Z4FO	4,464	A B	ZP6XR	36,036	B C	
KF4YH	91,390	B C										
KJ4FW	85,260	B C	K1LL	32,806	B B	ZS6RI	132,924	A C				
			AC0W	30,674	B B	EA8BXQ	84,000	B B				
W4DEC	29,792	C A	KC0UH	20,900	B B	EA3AJW	4,68	C B	PT7CB	1,089,146	D	
N4ROA	22,984	C A	N5VVA	18,486	B B	9J2FR	141,732	B C	LV1	1,007,940	D	
WM4U	16,520	C A	K0WUI	9,120	B B	D2EGH	81,144	B C	CW0A	986,898	D	
WD4OHD	9,828	C A				ZS6HO	5,832	B C	L50V	701,714	D	
KV8S	3,168	C A				EA8AHH	420	B C	LU1FZR	307,152	D	
						ZS1AFX	64,960	C B	H8VK	8,624	C C	
									UR7VA	4,896	C C	

challenge and fun putting all the contacts in later. Try to read your writing after a few days away from it. The band only opened for short periods of time, but I enjoyed them anyway (VE7NF). I was only able to operate about 19 hours and propagation was poorer than usual, but I persevered and made a few contacts, and still enjoyed it (5Z4FO). We had interesting propagation, and I could hear the Europeans and Africans working lots of US stations. Propagation was on the low side from the Canary Islands. There were strange beam headings for contacts (north and south). This made for interesting contacts (EA1AK/EA8). It certainly was a humbling experience operating the contest during this low end of the sunspot cycle, but it was still enjoyable (7Z5OO). It was a trying experience from this part of the world, but I made a few contacts running QRP (TA2ZO). Propagation to the north and south was good and there were openings to the US. I heard South American stations. It was an interesting contest (JA2OJ). Propagation here for me was strictly to Oceania, but it was still a pleasant experience (JA1RAT). It was a pleasant surprise last year to win my category and it feels good to win something. Propagation wasn't the best this year. I enjoyed the contest and will be back stronger than ever in the next one (CT1EAT). My biggest thrill was working FO5OK at 1639Z during the opening to the US (CT8T). This was my first 10-Meter Contest and it was a lot of fun (EA4AHW). I enjoy the 10-Meter Contest because it's possible to have fun with a small antenna system (F6KBI). Ten meters wasn't dead, but only a few paths, like Europe to Africa or South America, were open. There was a surprising 30° opening with the East Coast of the US. I made a few Asian contacts, but no JAs nor VKs were heard. Ten meters is still interesting, surprising and a good platform to improve a contestor's skills. It's a surprise what you can do with low power and good antennas (14MFA). I worked a lot of backscatter over Europe. There were good, but short openings to the US (14UFH). Now I know what VHF contesting feels like. It was exciting (OS6TT). It was easier to work South Africa and South America

Contesting from Uruguay—Always an Adventure

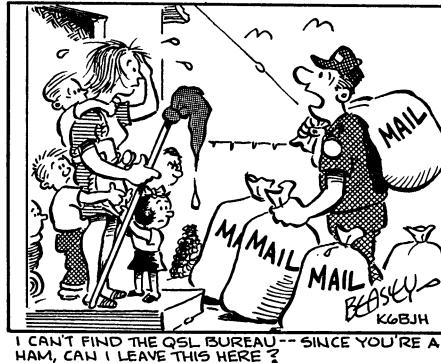
Everyone always seems to have a good contesting story. This time we highlight the CW0A crew and its tales from the 10-Meter Contest Crypt, as told by Pedro, CX5BW:

"We used a W9GR DSP kit I built from *QST* (see September 1992 *QST*, page 43). It performed well with the weak and noisy signals I heard on the band. The rest of our station consists of Yaesu FT-757 and FT-990 transceivers; a home-brew four-tube 4CX250B power amplifier, and a KLM KT-34XA antenna.

"We weren't as lucky as we were in years past. The most important thing, though, is to be in the competition, even if we found making a high score difficult.

"The band was only open about 20 hours and the openings were poor indeed. The lack of JAs really cut our score. As you know, when the band is absolutely closed for the Northern Hemisphere, we can continue working them here, making QSOs at a low rate. The signals are weak, but sometimes the effect allows us to be the winners. This year we could hear but a small quantity of them.

"We also had blackouts, three overall, with the one Saturday afternoon the worst. We had to operate for about two hours on battery, with reduced output on our rig. We had to use the car battery out of Geo, CX8BBH's car. We promised him we'd push his car home if the battery died while we were using it!"



than to work Europe (PA3GHP). This was my 15th 10-Meter Contest and I get just as excited with this contest as I did in my first one (YU7SF). The conditions were rather bleak, but enjoyable. I had to operate between being a chaperone on a high school campout, and with an S9 static level and winds 30 to 45 miles per hour, it made operating precarious. I had fun, anyway. (NH6YK/T). The conditions, as expected, were interesting! North-South path was sort of okay, but anything from east or west was peculiar and patchy. Great way to learn about the peculiarities of this band in low sunspot cycles. A reasonable number of VKs active for those who bothered to look into the South Pacific (VK5GN). I express my deepest thanks for the contest and found it exciting and interesting (LU7EE).

Scores

Scores are listed by DXCC Countries and ARRL/RAC Sections. Line scores list call sign, score, QSOs, multipliers, class (A = Mixed Mode, B = Phone only, C = CW only, D = Multioperator), and power (A = QRP, B = Low Power, C = High Power). Division Leaders are listed in **boldface**.

Sweden	SM7ATL	90	9	5 B B	Argentina	K1YDG	75,720	631	60 B C	WB2AXG/T	35,518	301	59 B B	54,002	403	67 D
Poland					K5F (LU1FNH,op)	65,320	196	92 A A	KA1VY	7,440	120	31 B C	WT2S	30,960	344	45 B B
SP6NIG	2,116	35	23 A B		LU5EW	18,124	100	46 A B	KA1CLV	52,800	240	55 C B	WA2FVL	23,688	282	42 B B
SP9BBH	224	12	7 A B		LU7FEU	13,200	101	55 A B	W1AX	38,160	211	45 C B	KC2CY	12,880	140	46 B B
SP7VCK	700	25	14 B B		LU1WFA	452,244	887	69 A C	NO1J	36,464	212	43 C B	WA2YBI	48	8	3 B B
SP5GRM	3,240	45	18 C C		LR0DX (LW9EUJ,op)	378,400	1097	200 A C	W1MK	18,876	121	39 C B	N2EOC	183,098	1103	83 B C
Greece					LW7EIC	2,958	51	29 B A	K1JKS (+NET)	138,828	496	69 D	KB2OBW	17,100	225	38 B C
SV0AN	2,730	39	35 B B		LU4D (LU4XU,op)	399,488	1337	112 B B	KB1AWE/T (+NET)	75,052	645	58 D	KF2FX	10,948	161	34 B C
SV2YC	288	16	9 B C		LU8HSO	133,380	702	95 B B	K1XMM (+NET)	16,720	115	32 C C	KA2SSX	5,896	67	22 C B
Bosnia-Herzegovina					LU5FCI	125,980	670	94 B B	KB2R (+NET)	2,040	31	17 D	WF2Z	3,960	45	22 C B
T94NE	560	15	10 A A		LU3HIP	121,344	632	96 B B					N2AA	203,904	702	72 C C
Ukraine					LU6AMD	82,170	495	83 B B					N2BIM (+WB2BHC)	261,252	759	118 D
UV7YE (UR5ECE,op)					LU1HTF	76,208	433	88 B B					KF2CP (KB2LHH, N2HNM, ops)	62,986	332	77 D
YQ0ATW	7,500	96	25 A B		LR0N (LU2Ni,op)	33,258	241	69 B B					KE2JR (+NET)	45,012	341	66 D
UT4EK	196	28	7 A B		LU1NDC	16,800	140	60 B B	N1DX	55,300	169	70 A C				
UR7VA	4,896	51	24 C C		LU4OQS	13,144	124	53 B B	N1SDR/T	2,160	60	18 B B	N3PBQ/T	3,800	95	20 B C
UT7WW (UR5e WAN,WCW,UT7WZ,ops)	29,592	193	54 D		LU2JCW	5,920	74	40 B B	NY1E	278,450	1843	75 B C	WA3GQU	2,544	53	24 B C
Romania					LU5DSE	5,632	81	36 B B	N1AF	9,120	76	30 C A	K3DE	3,770	65	29 A C
YQ0ATW	20	5	2 B A		LU3OJZ	3,584	56	32 B B	W1XN	1,000	25	10 C A	WB0IWG/T	2,040	51	20 B A
Yugoslavia					LU6ETB	454,308	1734	131 B C	AA1ED	9,424	75	31 C B	WB3WS	8,580	130	33 B B
4N1N	9,048	78	29 C B		LT0A (LU1ARL,op)	2,958	241	69 B B	NC1C	5,824	56	26 C B	N13I	30,528	318	48 B C
YU7KM	2,940	49	15 C B										N3PQ/T	10,292	83	31 C A
YU7SF	4,488	66	17 C C										K3UA	1,196	23	13 C A
Albania													N3DOU	14,208	96	37 C B
ZA1AJ (OK2VZ,op)	11,696	104	34 A C										AA3GM	5,720	55	26 C B
North America													NB4J	179,256	582	77 C C
Barbados													W3GH			
8P9GE (K2PF,op)	13,312	104	32 C C													
Bahamas																
WG3/C6A	37,992	172	67 A B													
Dominican Republic																
H18LC	8,712	102	33 A B													
H18OMA	20,000	200	50 B B													
H18ROX	3,900	78	25 B B													
H18EES	1,300	50	13 B C													
Panama																
HP3/KG6UH	5,200	72	26 A B													
HP1XZO	6,300	105	30 B B													
HP1OOS	896	32	14 B C													
HP1AC	6,372	59	27 C C													
Puerto Rico																
KP4TB	97,482	633	77 B B													
KP4VP	5,928	94	31 B B													
KP4TQ	118,720	424	70 C B													
WP4MTA	2,204	29	19 C B													
Costa Rica																
TI4/AA7JM	11,840	80	37 C B													
British Virgin Islands																
VP2VF	187,452	1143	82 B C													
Turks & Caicos Islands																
VP5JM (+VP5/W5ASP)	329,640	969	134 D													
Bermuda																
VP9MZ	22,984	137	52 A B													
Mexico																
XE1/A6RX	50,410	238	71 A B													
XE2AC	960	30	16 B B													
Cayman Islands																
ZF1DJ	15,050	175	43 B C													
Oceania																
Western Samoa																
5W1MM (JR6FIP,op)	28,280	404	35 B C													
Philippines																
N7ET/DU7	5,830	179	11 A B													
W4NZE/DU3	4,536	162	7 C B													
Australia																
VK2PK	45,720	302	45 A B													
VK4EMM	36,120	286	35 A B													
VK2VM	1,512	55	9 A B													
VK5GN	30,690	336	33 A C													
VK4NEF	2,664	148	9 B A													
VK4XA	40,404	259	39 C B													
VK2AYD	25,760	230	28 C B													
VK4XW	1,764	49	9 C B													
Indonesia																
YB6INU	726	18	11 A B													
New Zealand																
ZL1ANJ	100,320	627	80 B C													
South America																
Chile																
CE5CNT	27,132	216	57 A C													
CE5BPE	1,054	31	17 B B													
CE3DPV	72,540	465	78 B C													
Uruguay																
CX6VM	240,768	627	96 C B													
CW0A (CX5BW,CX7BY,CX8BBH,ops)	986,989	1503	28 D													
CX3C (+CX9BT)	6,930	81	35 D													
Colombia																
HK3JJH	130,390	1003	65 B B													
HK3SGP	2,750	55	25 B C													
Eastern Massachusetts																
KB1KM	83,980	334	85 A B													
W1VIV	56,980	263	70 A B													
KM1V	24,924	279	31 A B													
KM1Z	10,556	203	26 B C													
N1SOH/T	14,760	160	36 A B													
W1WMH	2,014	48	19 A B													
WS1M	268,320	816	120 A C													
K1VV	59,396	264	62 A C													
N1TKZ/T	7,128	75	36 A C													
WA1OFR	3,450	75	23 B B													
W1DYU/T	1,596	42	19 B B													
N1OFO (+N1QGY)	252	18	7 D													
From August 1995 QST © ARRL																
Argentina	K1YDG	75,720	631	60 B C	KA1VY	7,440	120	31 B C	KA1CLV	52,800	240	55 C B	WB2FVL	23,688	282	42 B B
LU5EW	18,124	100	46 A B	W1AX	18,876	121	39 C B	NO1J	9,504	72	32 C C	KC2CY	18,280	143	22 B B	
LU7FEU	13,200	101	55 A B	W1MK	14,720	115	32 C C	W1MK	17,100	121	34 B C	KA2GB	162,182	608	99 B A B	
LU1WFA	452,244	887	69 A C	K1XMM (+NET)	14,848	1										

KR4U	8,160	120	34 B B	N5OLS (+AA5BL)	343,976	1277	124 D	KI7XD	12,720	159	40 B B	NA6W	1,932	46	21 B C
N2EGO	5,252	101	26 B B	KC5CP (+NET)	61,710	267	85 D	KB7UEP	7,770	105	37 B B	KD6FW	4,400	50	22 C C
KC2X	329,460	1938	85 B C	KZ5M	64	5	4 A B	W7WK	3,306	57	29 B B	N8ZAW	48	4	3 C A
W4PZV	45,760	440	52 B C	West Texas				KF8TM	43,632	201	54 C B	KF8TM			Kansas
W1ENZ	8,120	116	35 B C	K5ED	28,620	195	54 A A	K7NHA	4,784	58	23 A B	N8FU	34,400	50	22 C C
AC10/4	205,500	684	75 C B	KZ5M	64	5	4 A B	AB7CZ	360	17	9 A B	WB8ORV	9,720	95	27 C B
WA4AHOF	8,856	76	27 C B	KA7T	38,700	225	43 C B	KA7T	38,700	225	43 C B	W8IDM	5,544	63	22 C B
N4BP	190,092	651	73 C C	6				WB8JBR	5,520	63	23 C B	AF8C	108	9	3 C B
WD4AHZ	106,561	435	60 C C	Hawaii				K8SJ	14,832	103	36 C C	W8JBR			Kansas
KR4YL (+KD4s CDA,GMD,HVC)	145,266	667	93 D	East Bay				W8PN	8,320	80	26 C C	W8JBR			WB9YJT
W4HAW (WB2FKR,KD4s GEH,LXB,PJP, QHI,VBI,KE4s CGO,EMR,IEJ,NLW, NLX,PWE,NS4DU,ops)	8,856	76	27 C B	WA1HFN	848	106	4 B C	N9ITX	23,520	245	48 B C	KI8O	2,112	32	16 C C
	43,112	317	68 D	KF6CU	616	22	14 B C	AA7BG	44,928	215	52 C C	WV8B	1,440	24	15 C C
Tennessee								NW8F (+WA2LUH,N8HCQG)	74,108	289	97 D	NW8F (+WA2LUH,N8HCQG)			WB9YJT
WA6KUI	249,528	746	111 A B	Wh6CQH/T	17,052	203	42 B B	W7HO	968	23	11 A B	K8CX (+NET)	61,864	260	76 D
KO4EW	76,928	422	64 A B	KH6GMP	2,106	81	13 B B	N7XCZ	3,224	62	26 B B	NO8C (+KB8s NJT,PVQ,N8s DIX,ROD)			KA0SIX
NAUSG	18,228	140	42 A B	KH6FKG	1,222	47	13 B B	N6YK7	93,032	401	58 C C	50,424	248	69 D	K8WUI
W4OGG	1,680	40	14 A B	Los Angeles				WD7X	77,106	469	71 A B	WA6ZTC (+NET)	40,120	311	59 D
KC5BAK	19,092	222	43 B B	WA6GDS	23,200	183	50 A B	KJ7CY	3,066	63	21 A B	W8NP (+KF8UN)	37,920	215	60 D
KE4DCG	18,408	177	52 B B	WA7BNM	15,522	123	39 A B	WG7A	18,568	109	44 A C	KB8TLF (+KA8D)			WB9YJT
KD4AYU/T	6,336	96	33 B B	K6ZCL	656	32	8 A C	W7YAO	13,662	199	33 A C	W7YAO	18,860	219	41 D
KC4PDY	784	28	14 B B	KJ6HO	38,220	455	42 B B	WB7TIR/N	3,588	69	26 B B	K8BL (+NET)	18,468	124	54 D
K8DOC	39,936	384	52 B C	WA6HXF	2,028	78	13 B B	AA7KF	54,208	308	44 C B	KBOEFT (+KB8UMK)			KB8TLF
K52X	13,440	192	35 B C	KO6AX	1,088	34	16 B C	W7TC	3,432	39	22 C B	W8VND (KD4MG,EKK8UW,KF8WZ, N8XX,ops)	6,496	112	29 D
WM4U	16,520	118	35 C A	WB6NFO	17,328	228	38 B C	KU7K (+KA7s ARC,WDM,KD7QV, K7AF)	19,456	152	32 D	KBBPCM/N (+N8QWI)	2,352	56	21 D
WD4OHD	9,828	87	27 C A	NEGL	15,120	126	30 C B	Utah				KB8PCM/N (+N8QWI)			KB8PCM/N (+N8QWI)
W9WI	32,680	215	38 C B	WB6IV	4,480	56	20 C B	N7JLC	1,080	30	12 A B	136	16	4 D	WB9PCM/N (+N8QWI)
K4XG	22,576	166	34 C B	WB6SGJ	3,080	55	14 C B	K6X0/7	9,216	83	36 A C	West Virginia			WB9PCM/N (+N8QWI)
W4TYU	6,348	69	23 C B	N6TCZ	48	4	3 C B	WA6HXE	6,336	99	32 B B	NF3X	4,092	48	31 A A
AA4WX	3,784	43	22 C B	N8SR	119,040	480	62 C C	WA7DAM	5,456	61	22 C B	KJ8J	38,352	183	68 A B
K4LTA	80,136	378	53 C C	A6BFO	17,248	154	28 C C	KJ7BD	1,736	31	14 C B	K8UC	10,584	75	36 A C
AC4ZD (+NET)	31,200	198	39 D	Orange				W7JEX	1,300	25	13 C B	N8YYS	4,278	82	23 A B
Virginia				WA6FGV	20,678	131	49 A A	W7HS	7,000	70	25 C C	NO9S	660	21	11 A B
KA4RRU	37,400	195	68 A A	K6JCV	121,856	349	119 A A	Santa Barbara				N8TLZ	79,212	574	69 B B
WF4U	18,360	121	51 A A	NGHC	69,948	442	58 A B	WU7F	9,928	89	34 A A	N4PUV/T	11,520	144	40 B B
AD4DG	60,844	334	82 B A	K6EAGR/T	27,520	320	43 B B	N7LOX	138,936	583	84 A B	KF8UM	85,200	568	75 B C
KB4RME	21,240	190	45 A B	NO6OKU	2,100	50	21 B B	WTQN	68,514	323	57 A B	KVBS	3,168	44	18 C A
K4UK	19,928	112	53 A B	K6KRG	1,672	44	19 B B	K7NPN	32,800	213	40 A B	K3JT	62,176	268	58 C C
WB4RDV	15,600	116	40 A B	WA6GFR	1,672	44	19 B B	W7LZP	99,684	500	78 A C	KB8STX/T (KB8s UPO,UPN,ops)	7,986	106	33 D
KE4PU/C/T	7,812	92	42 A B	K6V1	51,648	269	48 C B	W7LZUUM	14,430	195	37 B B	9			WB9PCM/N (+N8QWI)
WA4DAI	7,378	73	31 A B	N6FH	4,800	60	20 C B	W7LZUUM	3,350	67	25 B B	Western Washington			WB9PCM/N (+N8QWI)
W3FTG	6,696	57	31 A B	WA6FGV	20,678	131	49 A A	KF7GA	1,848	44	21 B B	WU7F	9,928	89	34 A A
KR4CZ	2,392	35	23 A B	W7CB	109,674	545	81 A C	KB7YC	9,744	174	28 B C	N7LOX	138,936	583	84 A B
WB4GVZ	30,784	296	52 B B	WB6V	10,526	195	105 B B	N8CNC	7,252	98	37 C B	WQ7WV	2,528	212	36 C B
KD4IBU/T	27,720	252	55 B B	WB5VGJ	18,122	122	41 A C	WTQV	26,492	179	37 C B	W7CQ	2,752	121	40 B B
KE4GWV/T	23,954	203	59 B B	KO6KA	1,224	36	17 B A	K7WUV	30,528	212	36 C B	W7RGL	11,400	95	30 C B
KE4ML/T	7,992	108	37 B B	N6SLX	2,600	52	25 B B	K7WUV	2,649	121	36 C B	KB7UXP (+KB7YTJ)	18,432	256	36 D
W4TMN	120	10	6 B B	K6DOB	3,216	35	27 B B	W7CQ	2,752	98	37 C B	W7CQ	2,752	98	37 C B
KF4YH	91,390	703	65 B C	K6EJB	1,428	34	21 B C	W7CQ	2,752	98	37 C B	W7CQ	2,752	98	37 C B
KO4MR	59,214	417	71 B C	K6VMN	1,026	27	19 B C	K7WUV	2,752	98	37 C B	W7CQ	2,752	98	37 C B
N4MM	25,680	214	66 B C	Santa Clara Valley				W7CQ	2,752	98	37 C B	W7CQ	2,752	98	37 C B
KC4SZT	3,558	78	23 B C	AA6KX	48,060	287	54 A A	W7CQ	2,752	98	37 C B	W7CQ	2,752	98	37 C B
N4ROA	22,984	169	34 C A	NGNF	123,596	643	72 A B	W7CQ	2,752	98	37 C B	W7CQ	2,752	98	37 C B
KG4W	71,008	316	56 C B	N6NM	1,806	26	18 A B	W7CQ	2,752	98	37 C B	W7CQ	2,752	98	37 C B
KJ4OP	67,032	290	57 C B	K7V7	704	32	11 A B	W7CQ	2,752	98	37 C B	W7CQ	2,752	98	37 C B
W4SNH	16,128	96	42 C B	A6EE	57,552	358	66 A C	W7CQ	2,752	98	37 C B	W7CQ	2,752	98	37 C B
K5NA4	280	10	7 C B	A6EYL	15,980	133	47 C A	W7CQ	2,752	98	37 C B	W7CQ	2,752	98	37 C B
NA5LR	48	4	3 C C	K6DOB	3,216	67	24 B B	W7CQ	2,752	98	37 C B	W7CQ	2,752	98	37 C B
NO4K (+NET)	29,274	166	51 D	KE6GDA	2,464	56	22 B B	W7CQ	2,752	98	37 C B	W7CQ	2,752	98	37 C B
WY2V (+NET)	3,840	80	24 D	N2ALE	1,530	45	17 B C	W7CQ	2,752	98	37 C B	W7CQ	2,752	98	37 C B
5				K6HNZ	85,500	750	57 B C	WB6FZ	1,020	35	16 D	Michigan			WB9PCM/N (+N8QWI)
Arkansas				KE6CIZ/T (+KE6CJA)				W8BUQ	84,240	391	81 A B	Indiana			WB9PCM/N (+N8QWI)
N8VV	68,310	283	69 A B	W6UQF	70,350	469	75 A B	W8FEH	54,270	228	81 A B	W9MOK (AA9GOp,KB8s E2Z,WF7)			WB9PCM/N (+N8QWI)
KB6EKX	2,880	52	24 A B	KE6JQN/T	9,912	107	42 A B	W8DFS	8,526	116	29 A B	W9MOK (AA9GOp,KB8s E2Z,WF7)			WB9PCM/N (+N8QWI)
K5R0	47,944	461	52 B C	W6JVA	864	39	8 A C	KD8LU	5,376	83	32 A B	W9NAA (WO9MOp)			WB9PCM/N (+N8QWI)
Louisiana				K6CN	7,616	112	34 B A	N8EA	52,216	226	61 A C	W9NAA (WO9MOp)			WB9PCM/N (+N8QWI)
NZSO	48,840	267	74 A B	A6EE	3,864	46	21 C B	N8LMT	8,500	125	34 B A	W9NAA (WO9MOp)			WB9PCM/N (+N8QWI)
W5WMU	53,600	1458	145 A C	KC6CEX	58,440	453	60 A C	WB8ZPE	8,928	186	24 B B	W9NAA (WO9MOp)			WB9PCM/N (+N8QWI)
N5OC	120,228	526	86 A C	KC6ESL	1,504	47	16 B B	W8YRS	48,768	268	64 A B	W9NAA (WO9MOp)			WB9PCM/N (+N8QWI)
A5SFJ	69,960	636	55 B B	W6DPD	1,400	35	20 B B	ND8L	27,572	162	61 A B	W9NAA (WO9MOp)			WB9PCM/N (+N8QWI)
N5KKG	41,492	506	41 B B	WB6V	340	17	10 B B	KB8TCJ	19,780	153	46 B C	W9NAA (WO9MOp)			WB9PCM/N (+N8QWI)
N5XA	8,424	78	27 C C	W6DPD	1,400	35	20 B B	N8KBF	12,648	133	34 B A	W9NAA (WO9MOp)			WB9PCM/N (+N8QWI)
New Mexico				WB6V	13,944	166	42 B B	W8UPH	10,268	83	34 B A	W9NAA (WO9MOp)			WB9PCM/N (+N8QWI)
KN5H	182	8	7 A B	WB6V	13,944	166	42 B B	W8UPH	10,268	83	34 B A	W9NAA (WO9MOp)			WB9PCM/N (+N8QWI)
K5TTS/T	378	21	9 B B	WB6V	13,944	166	42 B B	W8UPH	10,268	83	34 B A	W9NAA (WO9MOp)			WB9PCM/N (+N8QWI)
KB5TJZ	22,590	251	45 B C	WB6V	13,944	166	42 B B	W8UPH	10,268	83	34 B A	W9NAA (WO9MOp)			WB9PCM/N (+N8QWI)
K5SUL	26,852	137	49 C B	WB6V	13,944	166	42 B B	W8UPH	10,268	83	34 B A	W9NAA (WO9MOp)			WB9PCM/N (+N8QWI)
North Texas				WB6V	13,944	166	42 B B	W8UPH	10,268	83	34 B A	W9NAA			