

Results, 1995 ARRL 10-Meter Contest

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and
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Assistant Contest Manager

"I felt like the Maytag repairman, waiting for the band to open"—WA2FVL.

It's

time to start looking ahead! Our peerless propagation prognosticators tell us we've finally hit the bottom, and that conditions can only go up from here. Let's hope so! By some accounts, these were perhaps the worst conditions in the history of the contest! Some operators probably were happy just to get out of their backyard!

This contest was more like a VHF than an HF contest. Almost all the propagation modes you'd expect to find in, say, the June VHF QSO Party were here, with the possible exception of moonbounce. We had E skip; we had meteor scatter; we had a little F. What did this all mean? Basically, the distances you could work, for the most part, were just a fraction of what you were used to.

Let's face it—it was rough going. Most of the signals you could hear most of the contest either came from locals, or were probably too weak to identify. As Lew, K4VX, said, "A big signal might peak at S2." The sporadic E we had, for the most part, showed up right at the end of the contest (naturally!). This was a contest where persevering meant hours of fruitless calling and tuning, waiting for some signal to show up somewhere that you hadn't already worked.

If you were able to work any decent DX, it was probably thanks to trans-equatorial propagation. This made for a lot hotter contest south of the border, and the folks in South America and South Africa made out like bandits, while the rest of us shivered in the December cold between contacts. There wasn't much of a reason to beam anywhere else that weekend!

In fact, it's pretty hard to find someone with a top score who *wasn't* from Argentina. Seven out of the top ten category winners were from there, with only ZS9F (Phone, High Power), and JR4GPA (Mixed-Mode, QRP) working their way to the top from outside South America.

In the US and Canada, we certainly would be remiss if we didn't congratulate Pete, N4ZC, for his outstanding job in the Mixed-Mode, High Power class; the KY1H multi-operator gang; or Jim, K1ZX, on High Power CW. It's the loud signals like these that "beacon" the propagation for the rest of us.

No matter whether conditions are good or bad, the big attraction of 10 has always been



Cort, K4JYO, reports that they used the contest to learn a lot about meteor scatter contacts. (l-r), K4JYO; Drew, K8YFM; and Alan, KB4NAI.

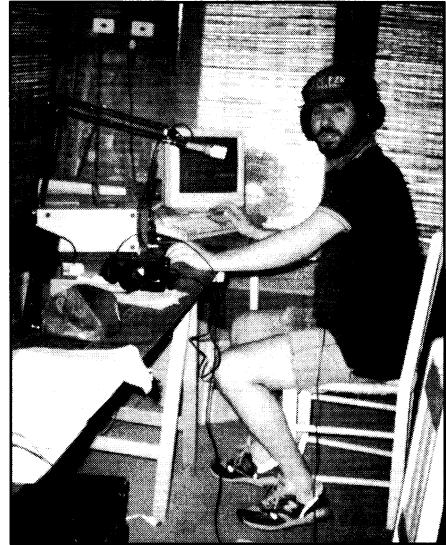
to get on and "see what's out there." Sometimes the action is a frantic free-for-all—but sometimes it's more like a scavenger hunt. Most folks just don't want to miss it either way! Check out what Jorge, CX8BBH, went through to make sure he was on in the sidebar "The CX8BBH Down-and-Dirty 10-Meter Contest Antenna Story."

This year marked the first time that ARRL Affiliated Club Competition has been included with the 10-Meter Contest. Did you remember to list your club on your summary sheet? There doesn't seem to be many HF contests the Frankford Radio Club can't win—once again they turned out the ops to win another gavel in the Unlimited Class. Florida Contest Group members took advantage of their close proximity to the equator to walk away with the first Medium Class honors. The Carolina DX Association rode the first-place coattails of Roger, N4ZC, to top honors in the Local Class competition.

As we said, things are looking up! The sunspot cycle can't stay at the bottom forever! If nothing else, the scores you're seeing now ought to be easy to top the next time around. So when December rolls around, make sure you get on the air and check it out!

Backscatter

Even though conditions were terrible, it was exciting to experience the path openings! (N9LGP). Most signals were in or near the noise level, but it wasn't bad for the bottom of the solar cycle (K9OM).



"Europe, where are you?" Gerardo, LU1FZR, hunts for some multipliers.

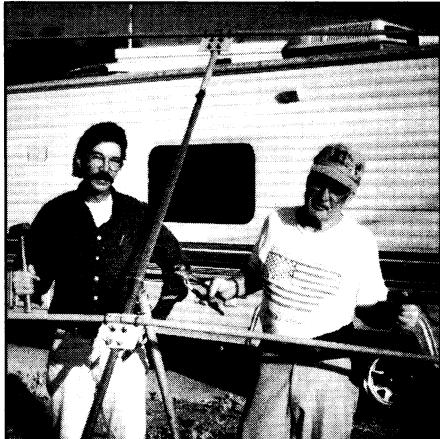
This surely must be the very pits of the solar cycle (W3EP). It may have been a EME contest, the way I was getting out. Maybe we should move the contest to 20 next year? (NM1Q). Most of the time, I couldn't even hear the European beacons (G4OTY). I had a lot of fun despite the poor conditions (AA1AK). Ten meters sounded like 80; Europe and the US were very hard to work. At least I worked all my country's provinces (LU7DW). Alas, my scattered four hours of operating missed most of the openings (K8JLF). I never heard any N/T stations

Top Five, W/VE

Mixed Mode, QRP		Phone Only, High Power	
AA2U	61,710	N2EOC	87,928
WT3W	31,164	K4VUD	78,848
WA6FGV	16,112	N3BB	66,600
KB2EEU	3,740	(AA5RB, op)	
WU7F	3,248	N8RA	65,790
Mixed Mode, Low Power		KC4YM	38,054
Mixed Mode, High Power		CW Only, QRP	
NU4Y	167,890	AA1AK	10,368
W3EP	108,072	K8LJQ	5,796
K9LJN	73,920	NM1K	5,472
AA4GA	73,472	AB6GS	1,560
K5KG	67,176	KD1IA	1,536
Phone Only, QRP		CW Only, Low Power	
N4ZC	263,704	KM9P	101,680
AC4NJ	248,148	AC1O/4	82,784
(WC4E, op)		WD4AHZ	68,476
K3ZO	197,802	W5HQU	56,000
NC0P	146,004	WK2G	38,700
AB5YG	121,030	CW Only, High Power <th data-kind="ghost"></th>	
K6JCW	36,244	K1ZX/4	150,960
K6HNZ	24,436	N4BP	122,264
N4ZAK/T	546	W3GN	68,016
N8ZR/0	80	W3BGN	60,720
KH6DCO	72	W3GH	43,792
Phone Only, Low Power		(N8QDB, op)	
K8XR	42,200	KY1H	252,350
N5OKR	41,870	K4JYO	179,564
N3ADL	38,352	WA2IJK	175,994
KC3PZ	36,210	N5OLS	155,800
WD4NGB/T	31,110	AA1JD	151,872

Top Five, DX

Mixed Mode, QRP		Phone Only, High Power	
JR4GPA	1,898	ZS9F	193,908
UX8I	936	PQ0MM	154,752
FB1PH	460	(PP5JR, op)	
EA4AHW	256	ZS6BRZ	153,924
JE7DOT	96	VP2VF	88,038
Mixed Mode, Low Power		LU7DW	83,980
AZ9W	150,480	CW Only, QRP	
(LU5UL, op)		LW9ETY	11,808
LU8HSO	136,896	HP1AC	7,392
LU3HIP	82,256	JA6UBK	1,760
IR2R	21,216	G0TDX	960
EA7GTF	21,150	S52SK	800
Mixed Mode, High Power		CW Only, Low Power	
LS7EE	36,080	LS7EE	36,080
CX8BBH	356,400	EABCN	33,124
ZS6SA	190,404	LU1EWL	28,224
HC2CL	154,348	EA7CEZ	21,840
YS1XS	106,506	VK4XA	12,744
VK4EMM	19,000	CW Only, High Power	
Phone Only, QRP		LU6DO	82,584
LU2BDG	3,248	ZL1AXB	50,384
VK4NEF	2,142	EA2IA	11,600
S59D	1,360	YV1OB	5,408
JF3EIU	864	YU7KM	1,872
LU7EIC	770	Multioperator	
Phone Only, Low Power		LU4FM	329,840
KY1H	252,350	LU5VC	312,048
K4JYO	179,564	LU2CW	181,102
WA2IJK	175,994	LU1FZR	141,928
N5OLS	155,800	LSSV	88,730
AA1JD	151,872	LU1NF	33,264



Steve, KD6KKQ (l), takes a fine adjustment/alignment tool to the W6SD homebrew 10-meter beam, while Howard, K6QWH (r), assists.

The CX8BBH Down-and-Dirty 10-Meter Contest Antenna Story

By Jorge Camboni, CX8BBH

Conditions were extremely poor, as everybody must have noticed. Europe was almost nonexistent, and the activity from the rest of the world was greatly reduced.

After I finished the CW CQ WW DX Test, I realized I had to get ready for the 10-Meter Contest, but I had no antenna for the band, and no room to put one up. It was impossible to get my four-element 20-meter Yagi down from the tower at the time. So I had to build a very lightweight Yagi to erect on top of the 20-meter monster. It had to be very close to the other antenna for mechanical reasons; therefore the boom had to be oriented 90° away to avoid interaction.

So I began to think, lose sleep, and got even bolder. Finally a solution came to mind and I went to work immediately. In 48 hours, I had constructed a five-element Yagi with a 20-foot boom.

You're all familiar with bamboo. Well, I have lots of a plant very similar to bamboo planted in my backyard, called Tacuara. It's like bamboo, but much thinner and lighter. I had used it for years to build dozens of cubical quads. They lasted for a year or so, and that was all right with me.

So I built the entire Yagi from tacuara, including the boom. Then I attached the electrical elements (2-inch-wide thin brass ribbon) to the tacuara by means of a few turns of vinyl tape here and there, connected the coax and hairpin (I had previously optimized everything on the computer) and attached the four-pound monster to a short piece of 1-inch tubing used to hold the stay for the 20-meter antenna—without even testing it.

Up it went, and down the tower I came in a hurry to check it out. It worked fine, despite its showing 10% or so reflected power. It lasted about 72 hours, until the night after the contest. Then came the wind...

I'd tell the story of the linear, but you probably don't want to know. I should say, though, that since I didn't have time to rebuild the tank circuit, I had to cool it off with a fan. Otherwise (I had tried this before) it would have melted. So I lost a couple of hundred watts, but who cares? I was on the run!

on CW (K1HTN). Conditions weren't very good, but I had a good time anyway (KG1V). There was a lot of action for a "defunct" band (K1JKS). It felt just like a VHF contest! (K5ZD). When I had propagation to the US, I had a pipeline to Texas. But I only had one contact with a station in W7, and the power must have been turned off in California! (VP2VF). I hope I didn't miss the "big" openings! (WE1B). Ten meters is like a seductive siren song of a fickle dame! (KB2EEU). The propagation was spotty, and the QSB was significant (K2RI). If it wasn't for the computer and a voice keyer, I would have given up in the first hour. I worked 22 states, 8 countries, and 16 telephones (N2FF). There were a few Es openings, one on Saturday and two on Sunday from here to the southern states, and some trans-equatorial openings to Argentina on Sunday (WB2AMU). It was like 2 meters! We had good trans-equatorial propagation; I could hear VP2V and W4 (EA4TK). This contest is always fun. The openings were fewer and shorter this year, and that kept me constantly moving the beam. I was con-

stantly anticipating openings that didn't happen (WO2N). Perhaps if there had been more interest, I would have heard more stations (XE1VV). By Saturday night, I developed a headache from trying to pull S0 signals out of the noise (N2BIM). Most signals didn't move the S meter off the peg (WC9M). I've never operated this contest with sunspots, so it should be interesting when they return (N2MZB). If you can't hear 'em, you can't work 'em (N4MO). We up here in the North were up against heavy odds: winter here, summer elsewhere, and S9+ signals (OZ8T). I kept telling those darn kids not to leave the ionosphere door open, or they would let out all the propagation! (N3KFN). I felt like I was operating 70 cm, not 10 meters! (K3YD). Band conditions were terrible (N3NOP). The few contacts I could make were due to the good ears of the other operators (VU2UR). It was dead, dead and dead! (KC3Q). Except for a short time Saturday, I could only hear local stations (N3CZB). Even New Zealand had better conditions (VK2APK). There were a lot of signals that were too weak to identify (K9DIY).

Most of the stations I worked were from South America (WP4LNY). We had an amazingly strong opening to ZS on Saturday (WF3T). It was kind of like a VHF contest at times. The contest ended too soon, as the best Es of the contest was in full bloom at the end (K3ZO). There was only one hour of good propagation, but it wasn't to North America (EA6LP). Is VE3XO the only 10-meter op in Canada? After hearing nothing west of the Rockies, I get a call from ZL2RR and about fall out of the chair! (N5OKR). I sure didn't have the luck I had last year (KC3PZ). Come back, sunspots! (AA3HM). I was thrilled to work South Africa on both modes (KB3AFT). The contest reminded me of Ivory Soap! I spent 99 and 44/100ths of my time listening to noise (KE3TA). By far, this was the worst propagation I have ever seen (AA4UF). The propagation was so good, I couldn't shake 'em with a stick! (KS4YT). What a bizarre contest! The propagation was abysmal, with spikes (KR4DL). Patience, persistence, and CW paid off! (N4ZC). This was a VHF contest, plain and simple (AA4NC). I was able to work 31 states and one province, great for the bottom of the sunspot cycle (ZL1ANJ). I sure got plenty of sleep! (NU4Y). It was amazing to work 5X4F in the middle of 30 minutes of fruitless CQing (KS4KP). These were the worst 10-Meter Contest conditions in over 30 years! I had 11 hours of hacking and 36 hours of TV and sleep! (K4VUD). It was a lonesome, fun, boring contest—Sunday was dead until the last hour (KN4AY). The best hour was the last one: I made 66 QSOs, 40 of them in the last half hour. I wonder how long that opening lasted after the contest? (AC1O). I never thought I'd be happy to work 14 countries on 10 meters before (WA6KUI). It was like pulling teeth, but it was a real demonstration of what you can do operating under adverse propagation conditions (AG4V). It was like a 6-meter contest. The hardest multiplier to find was GW (GW0GEI). I did hear six states I needed, but not much DX! (K4UK). It sure would have been nice if we could have had an opening on Saturday (KE4PUC). The last 45 minutes were the best (N4MM). I thought the RSPCA was going to come to my door; after all, I had been beating a dead horse for hours (G0VSN). The band was only open from about 9:30 until 10:30 in the morning (W7YS). Saturday was better than Sunday (KA7T). I would have auctioned off the OM to get an opening to North America the way ZS did (9K2YY). The last four years, my score has slumped from 460k to 175k to 77k to 8k—that's pretty dramatic evidence of the sunspot cycle (WD7X). This was the third sunspot minimum since the contest started, and the worst conditions ever (W9XT). I spent too much time trying to get too few QSOs (K17ST). I enjoyed the contest, but I wish the band would have been more open (NZ5O). Conditions weren't bad, there just wasn't any activity (K5YAA). Signals were hard to come by (AC5CB). Even the brief Es to New England didn't help. It seemed strange to hear the likes of 9J2 and FR5 almost begging for contacts! (WA5OYX). I lacked the patience to stick with it (W5ASP). The band went from bad to great to terrible (WBSUDX).

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 (New England, Hudson and Atlantic Divisions; Maritime and Quebec Sections)	KM9P	101,680	C B	KA0WWT	10,268	B B	EA8AKN	10,512	B B	EA7CEZ	21,840	C B			
	AC10/4	82,784	C B	N5VAV	9,106	B B	7Q7XX	5,600	B B	HAFK8	4,452	C B			
	WD4AHZ	68,476	C B	AC0W	8,384	B C				EA1EWG	2,880	C B			
	W5HUQ	56,000	C B	KB5IUA	5,776	B B	ZS9F	193,908	B C	EASFD	2,516	C B			
AA2U	61,710	A A	KN4AY	33,864	C B	ZS6BRZ	153,924	B C	F5AKL	2,072	C B				
WT3W	31,164	A A				ZS6BRH	67,490	B C							
KB2EEU	3,740	A A	K1ZX/4	150,960	C C	KE5FI	37,026	B C	932FR	61,180	B C				
WA3ZER	3,192	A A	N4BP	122,264	C C	KB5TJZ	6,384	B C	Z21KD	43,420	B C				
KA1CZF	3,080	A A	N8RR	24,300	C C	KB7M	1,920	B C							
			K3JT	18,176	C C	W0PPF	580	B C	EA8CN	33,124	C B				
W3EP	108,072	A B	AE4JM	14,012	C C				OK1TW	1,248	C C				
K5KG	67,176	A B				WA0RPI	104	C A	F6EQV	384	C C				
N3KFN	43,662	A B	K4JYO	179,564	D	N0EID	96	C A							
K2UF	41,600	A B	AA4NC	128,780	D				PI4COM	29,700	D				
WK3I	35,728	A B	KD4TT	65,144	D	KC5ALW	6,728	C B	UT7W	6,300	D				
			KR4YL	37,576	D	KO9X	4,416	C B							
K3ZO	197,802	A C	WA8QYJ	29,464	D	NS0M	1,456	C B	JF3NLQ	8,132	A B				
KC2QF	86,765	A C				NS7B	1,224	C B	7J1ABD	840	A B				
N3II	84,000	A C				W7LHO	1,200	C B	J46IP	832	A B				
N3MKZ	69,290	A C						TA2ZO (AA3DK,op)	540	A B	YS1XS	106,506	A C		
KY3N	44,650	A C						JK2VOC	500	A B	KG4TJ	9,792	A C		
										ZF1DJ	7,018	A C			
										XE1VV	6,586	A C			
WB0IWG/T	32	B A				K0RWL	21,128	C C			North America				
			N9NE	2,520	A A	K4VX	10,200	C C	JE4GPA	1,898	A A	XE2/KJ7OZ	14,898	A B	
						AC0S	10,088	C C	JE7DOT	96	A A				
K8XR	42,200	B B	KL7FAP/8	378	A A	W5FO	7,504	C C							
N5OKR	41,870	B B	N8AXA	308	A A	W5ASP	5,724	C C							
N3ADL	38,352	B B	K9LJN	73,920	A B	N5OIS	155,800	D	JF3EIJU	864	B A	WP4LNY/T	5,760	B B	
KC3PZ	36,210	B B	WA9BOW	23,400	A B	KR0B	71,292	D	KP4VP			VP2VF	88,038	B C	
WB2BZR/3/T	27,104	B B	AA9CG	15,856	A B	N5RP	63,992	D	IT7DBS			602	602	B C	
			WA8YRS	8,532	A B	KC5CP	40,572	D							
N2EOC	87,928	B C	WB8BUQ	7,900	A B	KB0ISS	36,698	D	JH1RMH	36	B B	HP1AC	7,392	C A	
N8RA	65,790	B C						JR1MRG	18	B B					
K4CGY	33,480	B C	W9XT	99,120	A C						G3NYY/C6A	2,420	C B		
W1OP (K1PLX,op)	24,648	B C	VE3EJ	33,976	A C						XE2AC	196	C B		
KE2JR	20,984	B C	AA8U	24,274	A C										
AA1AK	10,368	C A	AA8UH	9,240	A C						Oceania				
NM1K	5,472	C A	WX9E	2,272	A C						VK2APK	17,982	A B		
KD1JA	1,536	C A	N9ISN	16,926	B B	WA6FGV	16,112	A A	N7ET/DU7			4,256	4,256	A B	
KA1O	1,296	C A	WB8APJ	9,676	B B	WU7F	3,248	A A	JF3IUC	1,760	C A				
K2SM	1,080	C A	KF9US	7,272	B B	W6UQF	41,650	A B	JR7RJJZ	448	C A	VK4EMM	19,000	A C	
WK2G	38,700	C B	KB8IBS	5,096	B B	N6NF	31,762	A B	JA1PMQ	4	C A	VK4NEF	2,142	B A	
WA2SRQ	21,080	C B				WA7BNM	26,600	A B			ZL1ANJ	38,400	B C		
K2DW	19,440	C B	K8DJR	14,190	B C	KJ6HO	21,518	A B							
WK3P	12,480	C B	AA8PA	11,928	B C	KJ6DL	18,018	A B	JF3IUC	1,272	C B				
W8FJ	10,080	C B	W8KKF	5,544	B C	K6LL	103,500	A C	JH2KVB	1,008	C B	VK4XA	12,744	C B	
W3GN	68,016	C C	N4IYX	3,358	B C	AA6WJ	69,564	A C	JH3CUL	888	C B	VK4TT	2,016	C B	
W3BGN	60,720	C C	KB0C	2,250	B C	KA6BIM	49,898	A C	JA3ARM	840	C B	W4NXE/DU3	1,376	C B	
W3GHN (N6QDB,op)	43,792	C C	K8LJQ	5,796	C A	KG6LF	30,320	A C	JE8KKX/2	792	C B	VK4XXV	784	C B	
NY3G	41,760	C C	KD8FW	1,012	C A	AB6YL	22,720	A C			ZL1AXB	50,384	C C		
KW2J	15,840	C C				K6JCV	36,244	B A							
KY1H	252,350	D	N9XBM	29,184	C B	K6HNZ	24,436	B A	JATAB	72	C C	South America			
WA2JQK	175,994	D	N8EA	15,680	C B	KH6CDO	72	B A	JG4CLV	19,332	D	AZ9W (LU5UL,op)	150,480	A B	
AA1JD	151,872	D	AA8AV	12,360	C B			JJ3YBB	15,808	D	LU8HSO	136,896	A B		
K3WV	150,858	D	NO8C	5,900	C B	KB6NAN/T	12,444	B B			LU3HIP	82,256	A B		
N2BIM	126,116	D	VE3HX	3,128	C B	KE6BUM	8,228	B B			L2E5 (LU5ER,op)	19,872	A B		
						KE6AGR	6,600	B B	PY2PD			8,384	8,384	A B	
			VE3VFR	39,856	C C						CX2BBH	356,400	A C		
			K9OM	30,380	C C	AA7UN	5,406	B B	HC2CL			154,348	154,348	A C	
Southeast Region (Delta, Roanoke and Southeastern Divisions)	VE3KP	18,648	C C	W6ESJ	5,208	B B	UX8I	936	A A						
	KF8TM	13,440	C C			AG7M	15,420	B C	FB1IPH	460	A A				
KN4QS	1,558	A A	N8AP	4,872	C C	WH6CQH	11,774	B C	EA4AHW	256	A	LW7EIC	3,248	B A	
						KC7HHQ	6,116	B C	IR2R	21,216	A B				
NU4Y	167,890	A B	W9OEH	151,514	D	KC6CEX	4,590	B C	EA7GTF	21,150	A B	LU9VY	90,552	B B	
AA4GA	73,472	A B	VE3XO	131,906	D	K7VIT	4,370	B C	EA7AGW	9,800	A B	CX8CP	44,352	B B	
WA6KUI	48,768	A B	WB8ENR	90,480	D			F5SNV	7,066	A B	LU8ADX	36,530	B C		
K4ZGB	35,640	A B	N9QX	72,816	D	W7WMO	4,320	C B	HA8EK	7,018	A B	LU9HYS	33,800	B B	
AA4UF	26,000	A B	WC9M	43,470	D	AB6GS	1,560	C A			LU1NF	33,264	B B		
						AA7KF	12,208	C B	G0AEV	18,040	A C				
						N6YEU	8,900	C B	F5NBX	13,158	A C	PQ0MM	154,752	B C	
						W6ESJ	5,208	B B	EA3ET	5,704	A C	(PP5JR,op)			
											LU7DW	83,980	B C		
											LU1EWL	28,224	C B		
											LU6EW	6,716	C B		
											PY1BGJ	2,072	C B		
											PU2RCM	220	C B		
N4ZAK/T	546	B A	WA0X	28,106	A B	K7FR	19,000	C C	CT1DVV	26,214	B C	LU9ETY	11,808	C A	
WD4NGB/T	31,110	B B	K5YAA	24,206	A B	WA5VGI	3,584	C C	F5GHP	3,360	B B				
N8TLZ	23,496	B B	WB5UDX	20,976	A B	KC7V	3,276	C C	EA4TK	2,556	B B				
AA5FJ	18,912	B B	WT5U	16,074	A B	W6REC	70,992	D	HG8LV	2,090	B B				
KC4WZR/T	12,240	B B	NT5D	13,024	A B	KV6H	63,240	D	EA4TJ (EA4DI,op)	1,260	B B				
WA4UYW	8,400	B B	NC0P	146,004	A C	KD6KKP	55,632	D							
K4VUD	78,848	B C	K0TT	107,532	A C	N6KI	30,320	D	EA7BA	9,472	B C	LU6DO	82,584	C C	
KC4YM	38,054	B C	AA5UO	71,540	A C	W6EEN	12,152	D	S51DX	8,256	B C	YV1OB	5,408	C C	
N4MM	36,084	B C	WD0T	56,560	A C				EA1FBU	8,160	B C				
K5RO	24,402	B C	KI3L	42,840	A C										
KI4LP	21,870	B C	N8ZR/0	80	B A	5X4F	10,584	A B	G0TDX	960	C A	LU4FM	329,840	D	
						EA8AHH	432	A B	S52SK	800	C A	LU5VC	312,048	D	
N4ROA	684	C A	K0WUI	12,232	B B	ZS6SA	190,404	A C	I5KTS	140	C A	LU2CW	181,102	D	
									US5HGO	96	C A	LU1FZR	141,928	D	
											LS5V	88,730	D		

Affiliated Club Competition

	Score	Entries	Single-Op Winner		Score	Entries	Single-Op Winner
Unlimited Category				Mad River Radio Club	47,866	5	AABU
Frankford Radio Club	1,307,489	57	N3MKZ	Rochester (NY) DX Assn	18,744	5	WA2LCC
Medium Category				Long Island Mobile ARC	15,334	4	K52G
Florida Contest Group	981,602	10	AC4NJ (WC4E,op)	Kentucky Contest Group	2,600	3	KI4DC
Potomac Valley Radio Club	655,086	19	K3ZO	South Jersey Radio Assn	2,564	4	KF2YX
Yankee Clipper Contest Club	420,614	19	K5ZD	Local Category			
Society of Midwest Contesters	270,152	6	W9XT	Carolina DX Assn	307,398	3	N4ZC
Southern California Contest Club	213,714	7	K6LL	Hudson Valley Contesters and Dxers	185,894	3	AA2GS
Texas DX Society	205,426	8	K13L	River City Contesters	138,854	3	AA6WJ
Northern California Contest Club	166,254	8	KG6LF	North Shenandoah DX Assn	72,248	7	N4MM
North Coast Contesters	82,374	5	W9GH (N8QDB,op)	Alcatel ARC	71,796	3	AA5UO
Southeastern DX Club	53,790	3	KR4DL	American Red Cross Emergency Comm Service	9,634	6	WB2ZTH

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 **bold**.

Africa		EA3ALV EA2IA	180 11,600	9 116	5 C B	EI Salvador	KD1TM N8RA	1,568 65,790	56 731	14 B B	WB2BTJ (+net)	1,560	40	12 D					
Uganda	5X4F	10,584	95	36	A B	Balearic Islands	YS1XS	106,506	422	97 A C	Northern New Jersey								
Malawi	707XX	5,600	112	25	B B	France	EA6LP	5,808	88	33 B B	Cayman Islands	ZF1DJ	7,018	119	29 A C	AA2U	61,710	418	51 A A
Zambia	9J2FR	61,180	437	70	B C	Philippines	FB1IPH	460	16	10 A A	AA1AK	10,368	107	24 C A	K5KG	67,176	435	54 A A	
Canary Islands						Fiji	F5SNV	7,066	76	37 A B	N1MM	3,080	140	11 B C	WA9QOA	30,184	232	44 A B	
						Vanuatu	F6DZD	1,680	30	15 A B	NM1K	5,472	67	18 C A	N2KJM	13,122	152	27 A B	
						Samoa	F5NBX	13,158	111	43 A C	KA1RVV/N	1,224	48	6 C B	W1GD	12,640	110	40 A B	
						Felemenian Islands	F6EEM	3,040	54	19 A C	N1NOD (+net)	16,650	173	37 D	NS2K	3,360	102	18 A B	
						Argentina	F5PSA	1,120	28	20 B B	WV1M (+net)	5,964	119	21 D	W2VQ	3,416	74	14 A B	
						Uruguay	F5RBB	450	25	9 B B	W1ORS (WA1EHK, WA2TJR, WD1X,ops)	5,952	109	24 D	N2TTT	3,300	97	9 A B	
						Chile	F5GHP	17,136	204	42 B C					N2XSE	1,368	92	9 A B	
						Chile	F5BSB	6,840	114	30 B C					WA2YBI	320	26	5 A B	
						Chile	F5AKL	2,072	37	14 C B					KZ2S	8,694	107	27 A C	
						Chile	F5NQL	96	6	4 C B					K2SG	3,668	106	14 A C	
						Chile	F6EQV	384	12	8 C C					WA2UDT	1,078	32	11 A C	
						Chile	VK2APK	17,982	214	27 A B					K8XR	42,200	422	50 B B	
						Chile	VK4EMM	19,000	24	25 A C					WA2BKN	540	45	6 B B	
						Chile	VK4NEF	2,142	119	9 B A					N2EOC	87,928	758	58 B C	
						Chile	VK4XA	12,744	177	18 C B					KE2JR	20,984	224	43 A C	
						Chile	VK4TT	2,016	72	7 C B					WA2FVL	7,208	212	17 B C	
						Chile	VK4XXV	784	49	4 C B					W2GD	800	50	8 B C	
						Chile	WA1TTE	1,188	36	9 A B					WA2SRQ	21,080	170	31 C B	
						Chile	KM1Y	39,396	293	49 A C					WF2Z	2,016	42	12 C C	
						Chile	NO1J	7,332	102	26 A C					WA2YYA	1,800	50	9 C C	
						Chile	KB1KM	7,904	152	26 B B					N2BIM (+N2MZH,WB2BHC)				
						Chile	N1TLG/T	1,248	78	8 B B						126,116	516	62 D	
						Chile	W1DV/T	1,116	62	9 B B						84,546	418	77 D	
						Chile	WA1OFR	630	35	9 B B						N2MZB (+net)	46,176	315	52 D
						Chile	W1OP (K1PLX,op)									K2TW (+net)	12,960	189	24 D
						Chile	K1HTN	1,430	48	11 A B						K2WK (+net)	8,760	104	30 D
						Chile	W1NTYH	1,188	36	9 A B						K2DNT (+net)	8,704	100	32 D
						Chile	N1JFO	(+N1NTYH)								KF2CP (+KB2LHH,N2KRK)	7,440	111	24 D
						Chile									KB2QXN (+KF2TI)	3,510	110	15 D	
						Chile									WW2Y (+net)	2,244	79	11 D	
						Chile									KF5FK (+net)	1,584	45	12 D	
						Chile									Southern New Jersey				
						Chile									K2GSL	104	8	4 A A	
						Chile									KB2VUV/JN	9,180	135	34 A A	
						Chile									KF2YX	2,288	55	13 A B	
						Chile									KB2THF	130	11	5 A B	
						Chile									N2OWR/T	9,176	148	31 B B	
						Chile									KD2AE	42	7	3 B B	
						Chile									WK2G	38,700	223	43 C B	
						Chile									KE2PF	2,736	38	18 C B	
						Chile									AE2N	840	35	6 C B	
						Chile									K3JGJ (+net)	14,448	116	42 D	
						Chile									N2NW (+net)	5,928	83	26 D	
						Chile									K2SB (+net)	3,120	51	15 D	
						Chile									AB2E (+net)	264	11	6 D	
						Chile									Western New York				
						Chile									WF2L	7,590	64	37 A B	
						Chile									K2EDL	2,068	59	11 A B	
						Chile									KF2XC	150	13	5 A B	
						Chile									WA2LCC	8,370	83	21 A C	
						Chile									KB2SE	2,728	44	22 A C	
						Chile									WF2S	2,618	52	17 A C	
						Chile									WA2RBO	902	29	11 A C	
						Chile									WB2FJY	516	38	6 A C	
						Chile									AE2T	384	15	8 A C	
						Chile									N2LQO	312	26	6 B B	
						Chile									AF2K	120	10	6 B C	
						Chile									K2SM	1,080	30	9 A C	
						Chile									N2PEB	6,624	72	23 C B	
						Chile									KW2J	15,840	132	30 C C	
						Chile									K2DB	5,650	71	25 D	
						Chile									KB2NU (+net)	4,350	50	29 D	
						Chile									3				
						Chile									District of Columbia				
						Chile									W4KM	1,704	71	12 A C	
						Chile									Delaware				
						Chile									NY3C	18,864	149	36 A B	
						Chile									N8NA	3,189	69	13 A B	
						Chile									N4MO/3	3,780	45	21 C B	
						Chile									Eastern Pennsylvania				
						Chile									WT3W	31,164	210	49 A A	
						Chile									K7WHA	2,312	42	17 A A	
						Chile									N3KFN	43,662	268	57 A B	
						Chile									W1VAH	30,672	234	54 A B	
						Chile									WT3P	24,390	175	44 A B	
						Chile									N3TRO	3,696	308	12 B A	
						Chile									W3EDU (N3KMM,op)				
						Chile									W3RJ	1,456	43	13 A B	
						Chile									K3YD	1,238	77	6 A B	
						Chile									W3SSS	1,134	38	9 A B	
						Chile									N3CZG	1,100	32	10 A B	
						Chile									W6CTU	902	28	11 A B	
						Chile									W3DP	324	27	6 A B	
						Chile									N3MKZ	69,290	467	65 A C	
						Chile									KY3N	44,650	312	47 A C	
						Chile									KL7HIR	23,936	150	44 A C	
						Chile									K2DXO	23,564	187	44 A C	
						Chile									K3NDX	1,824	36	16 A C	
						Chile									NM2K	72	6	4 A C	
						Chile									AK3Z	36	7	2 A C	
						Chile									N3ADL	38,352	408	47 B B	
						Chile													

W3FV (+net)	22,540	159	46	D	KS4ID (+N3ICN,KC4VFO,KD4FB1, KE4s HGF,OBT,ZIC.) 22,980	77	40	D	6	KA7T WB5QMP	2,064	43	12	C B	WE9A (+WD9HTC,WI9X) 43,384	274	58	D				
K3ANS (+net)	21,460	233	29	D	South Carolina	N6PDX	6,118	87	23	A B	Montana	KC7HCB/T	870	82	5	A B	Indiana	A9ACG	15,856	110	47	A B
N3KQH (+NU3Y)	12,772	135	31	D	K5ADU	16,830	125	45	A B	KLJUH	406	21	7	A B	K9DIY	156	8	6	A C			
NN3Q (+net)	11,776	186	23	D	KD1NZ	10,218	80	39	A B	KC7LSK	180	63	26	B C	N9XDS	1,064	38	14	B C			
N3BN4 (+net)	10,528	105	28	D	KR4NO	3,082	67	23	B B	N9ITX	3,276	18	8	B B	KA9QC/T	806	31	13	B B			
N3FSC (+WB3GBN)	5,400	100	18	D	W4YDD	3,784	43	22	C B	AA7BG	21,328	172	31	C C	KW9ATU/T	80	8	5	B B			
K3CP (+net)	3,104	73	16	D	Southern Florida	NH6YK	1,870	84	11	A B	KB0C	2,250	45	25	B C	KB9BM	2,250	45	25	B C		
N3ISH (+net)	864	36	12	D	KH6CDO	72	9	4	B A	Nevada	N6YK7	28,000	175	40	C C	WB0OLA	29,184	191	38	C B		
N3NOP (+N3UMN)	600	50	6	D	WH6CQH	11,774	203	29	B C	W9OEH (+WA8JOC,WDBSDL) 151,514	448	16	7	C B	WB9PUB/T	448	16	7	C B			
Maryland-DC					Los Angeles	WA7BNM	26,600	242	38	A B	N9QX (+KE9I)	72,816	388	74	D	Wisconsin						
WA3ZER	3,192	57	19	A A	KJ6HO	21,518	250	29	A B	Montana	KC7HCB/T	870	82	5	A B	Indiana	A9ACG	15,856	110	47	A B	
WK3I	35,728	182	58	A B	AD4RX	2,184	39	28	A C	KLJUH	406	21	7	A B	K9DIY	156	8	6	A C			
W3UJ	26,052	167	39	A B	N2EGO	240	24	5	B B	KC7LSK	180	63	26	B C	N9XDS	1,064	38	14	B C			
W3GHR	12,250	135	35	A B	K14LP	21,870	243	45	B C	N9ITX	3,276	18	8	B B	KA9QC/T	806	31	13	B B			
WK3H	11,264	103	32	A B	AC1O/4	82,784	397	52	C B	AA7BG	21,328	172	31	C C	KW9ATU/T	80	8	5	B B			
K3DI	4,978	77	19	A B	WD4AHZ	68,476	323	53	C B	KB0C	2,250	45	25	B C	KB9BM	2,250	45	25	B C			
WD3A	3,672	61	18	A B	K3ZO	197,802	669	99	A C	Nevada	N6YK7	28,000	175	40	C C	WB0OLA	29,184	191	38	C B		
N3II	84,000	349	80	A C	K4E4M	4,370	76	23	A B	W9OEH (+WA8JOC,WDBSDL) 151,514	448	16	7	C B	W9OEH (+WA8JOC,WDBSDL) 151,514	448	16	7	C B			
N5OKR	41,870	395	53	B B	KD4ZKV/T	4	1	1	C B	N9QX (+KE9I)	72,816	388	74	D	Wisconsin							
KC3PZ	36,210	355	51	B B	K12X4/	150,960	555	66	C C	Montana	KC7HCB/T	870	82	5	A B	Indiana	A9ACG	15,856	110	47	A B	
WB2BZR/3/T	27,104	308	44	B B	N4BP	122,264	493	62	C C	KLJUH	406	21	7	A B	K9DIY	156	8	6	A C			
N3CZJ	4,104	76	27	B B	KR4YL (+WB2LEZ)	37,576	246	61	D	KC7LSK	180	63	26	B C	N9XDS	1,064	38	14	B C			
N3QVD	2,112	88	12	B B	WA8QYJ (+KA8D)	2,160	202	58	D	N9ITX	3,276	18	8	B B	KA9QC/T	806	31	13	B B			
KD3IQ	1,800	50	18	B B	KD4VBU/T (+KE4YGA)	2,160	60	18	D	AA7BG	21,328	172	31	C C	KW9ATU/T	80	8	5	B B			
KE3ID	200	20	5	B B	KD4VBU/T (+KE4YGA)	2,160	60	18	D	KB0C	2,250	45	25	B C	KB9BM	2,250	45	25	B C			
K4CGY	33,480	310	54	B C	KD4VBU/T (+KE4YGA)	2,160	60	18	D	Nevada	N6YK7	28,000	175	40	C C	WB0OLA	29,184	191	38	C B		
WK3P	12,480	120	26	C B	KD4VBU/T (+KE4YGA)	2,160	60	18	D	W9OEH (+WA8JOC,WDBSDL) 151,514	448	16	7	C B	W9OEH (+WA8JOC,WDBSDL) 151,514	448	16	7	C B			
AA3HM	7,308	87	21	C B	Tennessee	WA6KUI	48,768	247	64	A B	Oregon	WD7X	7,888	109	29	A B	Wisconsin					
K3TM	4,620	55	21	C B	K14KR	1,170	23	15	A B	WA6KUI	4,902	83	19	A B	Indiana	A9ACG	15,856	110	47	A B		
W3GWN	68,018	326	52	C C	AG4V	12,040	85	43	A C	WD6VS/7	140	14	5	A B	K9DIY	156	8	6	A C			
WB3V (+AA8HZ/3)	40,664	239	52	D	WD4NGB/T	31,110	305	51	B B	KC7KOB/N	48	6	4	B B	N9XDS	1,064	38	14	B C			
K3VOA (K3IDX,K4QV7,ops)	20,720	232	35	D	KS2X	442	17	13	B B	N7LTM/T	42	7	3	B B	KA9QC/T	806	31	13	B B			
K3YDX (+net)	1,040	40	10	D	KE4OAR	48	6	4	B B	AG7M	15,420	257	30	B C	KW9ATU/T	80	8	5	B B			
Western Pennsylvania					K4LTA	11,136	87	32	C C	K7VIT	4,370	115	19	B C	KB0C	2,250	45	25	B C			
KA7T	12,920	110	38	A B	WA6QFV	16,112	123	38	A A	AA7KF	12,208	108	28	C B	KB9BM	2,250	45	25	B C			
KB3AFT	8,200	138	25	A B	WD4NGB/T	31,110	305	51	B B	KU7K (+KA7ARC,KI7AF)	3,456	48	18	D	Wisconsin							
AD8J	28	4	2	A B	K5EGR	97,328	376	77	A C	KU7K (+KA7ARC,KI7AF)	3,456	48	18	D	Indiana	A9ACG	15,856	110	47	A B		
WA3GQW	24	4	2	A B	K6JCV	36,244	221	82	B A	KU7K (+KA7ARC,KI7AF)	3,456	48	18	D	K9DIY	156	8	6	A C			
N3KE/J/T	2,900	58	25	B B	K6EAGR	6,600	165	20	B B	KU7K (+KA7ARC,KI7AF)	3,456	48	18	D	N9XDS	1,064	38	14	B C			
KE3TA	696	29	12	B B	KF6HEN	552	23	6	C B	KU7K (+KA7ARC,KI7AF)	3,456	48	18	D	KA9QC/T	806	31	13	B B			
KC6OKU/3/T	16	4	2	B B	K6EUPK	(KD6s BGU,PCC,KE6s BAA, BAC,KGO,QED,UTC,VEC,WLG,ops)	380	38	5	D	KU7K (+KA7ARC,KI7AF)	3,456	48	18	D	KW9ATU/T	80	8	5	B B		
N3I	700	50	7	B C	KW6EEN	12,152	190	31	D	KU7K (+KA7ARC,KI7AF)	3,456	48	18	D	KB0C	2,250	45	25	B C			
K3UAA	208	13	4	C A	K6EUPK	(KD6s BGU,PCC,KE6s BAA, BAC,KGO,QED,UTC,VEC,WLG,ops)	380	38	5	D	KU7K (+KA7ARC,KI7AF)	3,456	48	18	D	KB9BM	2,250	45	25	B C		
N3WWP	88	10	2	C A	KF4YH (+KC4AGH)	18,900	210	45	D	KU7K (+KA7ARC,KI7AF)	3,456	48	18	D	Wisconsin							
NB4J	512	16	6	C B	KC4UCK/T (+AD4TU)	8,878	157	23	D	KU7K (+KA7ARC,KI7AF)	3,456	48	18	D	Indiana	A9ACG	15,856	110	47	A B		
WB3GHW (N8QDB,op)	43,792	238	46	C C	KO4MR (+net)	5,976	83	36	A B	KU7K (+KA7ARC,KI7AF)	3,456	48	18	D	K9DIY	156	8	6	A C			
4					KC4GIA (+net)	5,412	62	33	D	KU7K (+KA7ARC,KI7AF)	3,456	48	18	D	N9XDS	1,064	38	14	B C			
Alabama					N4SLR (+net)	3,320	65	20	D	KU7K (+KA7ARC,KI7AF)	3,456	48	18	D	KA9QC/T	806	31	13	B B			
KN4QS	1,558	27	19	A A	5				KU7K (+KA7ARC,KI7AF)	3,456	48	18	D	N9XDS	1,064	38	14	B C				
K4ZGB	35,640	238	60	A B	Arkansas	N5XYN	462	21	11	B B	KC5PTF/T	360	25	30	A B	KA9QC/T	806	31	13	B B		
K4ZUF	26,000	224	20	A B	KC5PTF/T	360	18	10	B B	W6JVA	6,210	78	23	A B	KW9ATU/T	80	8	5	B B			
N4YOS	20,844	397	88	A C	K5R0	24,402	249	49	B C	N6SMW	902	34	11	A B	KB0C	2,250	45	25	B C			
W2F	100,448	397	88	A C	K5XQ	288	12	6	C C	W6MVW	896	31	8	A B	KB0C	2,250	45	25	B C			
KS4YT	70	7	5	B B	Louisiana	K5XQ	2,140	113	31	C C	K6CNQ	4,650	93	25	B B	KB0C	2,250	45	25	B C		
AE4MJ	2,652	101	26	B C	Arkansas	K5XQ	2,140	113	31	C C	KD6PK	3,914	103	19	B C	KB0C	2,250	45	25	B C		
AE4JM	14,012	113	31	C C	Mississippi	K5ZQ	7,252	68	37	A B	KD6PK	30,320	250	40	D	KB0C	2,250	45	25	B C		
K4YJO (+net)	179,564	709	106	D	Mississippi	K5ZQJ	6,384	114	28	B C	K6HAI	(AB6EZ,K6UMI,K6UCUD, K6NBW,M6s EHR,JXA,ZBE, WB6s BDY,GYP,LL,WAOAUS,ops)	10,064	99	34	D	KB0C	2,250	45	25	B C	
KD4TT (+KK4TE)	3,360	42	20	A B	North Texas	K3ETS	288	17	6	A A	KC6GTR	744	31	12	A B	KB0C	2,250	45	25	B C		
K2YJL	720	26	9	A B	K5OY	2,898	65	21	A B	KA6BIM	49,898	271	61	A C	KB0C	2,250	45	25	B C			
KC4WQ	1,166	32	11	A C	K5K5X	5,888	92	32	B B	KB6QPB	5,320	102	14	A C	KB0C	2,250	45	25	B C			
K14DC	1,716	111	42	A C	K6BZR	200	20	5	B B	AG6BS	1,560	38	10	C A	KB0C	2,250	45	25	B C			
N4IYX	3,358	73	23	B C	KC5CEX	4,800	60	40	B B	W6REC (+KE6IDT)	70,992	380	68	D	KB0C	2,250	45	25	B C			
N4XNM	108	9	3	C C	KC5ALW	5,728	58	29	C B	KW6H	6,324	340	62	D	KB0C	2,250	45	25	B C			
N4GNL (+KK4DO)	26,784	372	36	D	K5FO	2,600	50	26	B B	KD6KKP (+WA7TKV)	55,632	370	57	D	KB0C	2,250	45	25	B C			
North Carolina					K5YAA	24,206	147	49	A B	KW6YAB	3,002	53	19	A B	KB0C	2,250	45	25	B C			
N4ZC	263,704	723	119	A C	KAC5CB	576	17	12	A B	K6SG	6,050	65	25	A C	KB0C	2,250	45	25	B C			
N4ZAK/T	546	21	13	B																		