

The 1999 ARRL International DX Contest CW Results

“This was one to remember”—NØUR

Sometimes it is hard to summarize an on-the-air-operating event briefly. But thanks to Jim Lageson, NØUR, it was easy to focus on what proved to be one of the more exciting ARRL International DX CW contests in recent years. Endangered scoring records, record participation, and great propagation all added up to lots of fun during one of Amateur Radio’s premier events.

More than 1161 DX and 1021 W/VE stations submitted logs for this annual battle. With 48 hours on the clock, the winners are generally the ones with good planning, lots of stamina and maybe a healthy dose of “lady luck” in the shack. With the implementation of more thorough electronic log checking, the winners are also the ones who seem to take special care in data entry to go along with their demonstrated ability to copy higher speed CW.

After finishing second in 1998 and operating from his developing “super-station” on Cape Cod, K1ZM led the way of High Power W/VE single ops, setting a new scoring record in the process. Jeff’s 4,566,039 points lead the way as four ops topped the old mark of 4,001,790 set in 1991. Congratulations to the quartet of K1ZM, K5ZD (W2SC, op), KQ2M, and N2NT—all of whom broke the old barrier.

Two ops also managed to break the old scoring record in the single-op-assisted category. Congratulations to new record holder K3WW with 4,763,799 points. He edged out KI1G 4,673,250 points, which was 68,676 more than the record which had existed since 1992. All W/VE single-band scoring records remained in tact, in spite of spirited challenges from many ops.

Stations and operators in each of the three W/VE multi-operator categories walked away having set new all-time marks. With a score of 4,514,112, the operators at the W3BGN multi-single stations now hold the record previously held by the K5ZD team of 1998. The K1AR multi-two team, operating this year at K1EA’s home, continues to be record setters. They became the first group to top the 9 million-point barrier in this category, finishing with an outstanding score of 9,247,365.

Rounding out the record setting performances by multi-op stations was the gang at W3LPL, who fought it out with ops at

KC1XX. Both broke the 1992 scoring mark of 10,756,002. But when the dust settled, W3LPL’s call goes into the record book with a score of 12,158,520. This category, which includes many of the best contest operators the US has to offer, will continue to receive great interest as the likes of K3LR, K1XM and K1KI continue to challenge. In fact, all 3 of the top finishers worked a DXCC on four bands, with W3LPL coming closest to a 5BDXCC, missing by only 16 entities on 80 meters.

Though no all-time scoring records were set on from the single op DX side of this contest, the competition remained heated on all fronts. The “battle of the Cayman Islands” became the battle for the champi-

onship in the low-power single-op category. ZF2NT with N6NT as the operator prevailed over ZF2MO, operated by KM9D. WP2Z with KE2VB at the key, finished strong and continues a string of outstanding contest finishes.

Three DX high-power single-op stations around the Caribbean and Central America, each with guest ops from the US, led the way in another exciting race. At the finish line, W2GD, operating P4ØW wins the slugfest on the strength of a score of 4,965,408, with WP3R (KE3Q, op) and 3E1CW (KD6WW, op) finishing second and third respectively. Not to be left out of the top honors, Europe can boast of GØTDX

Top Ten

W/VE Single Operator, QRP, CW	Score
N7IR	516,132
N1TM	338,334
NØUR	306,180
N1CWR	284,208
AA1CA	281,934
WI9WI	269,730
W8QZA/G	227,586
N6WS	216,756
KØNI	177,912
K5TT	165,996

W/VE Single Operator Assisted, CW	Score
K3WW	4,763,799
KI1G	4,673,250
K2NG	4,181,814
N2MM	3,083,184
W2RE	2,837,604
AA3B	2,732,610
N2RM	2,319,678
K3PH	2,298,192
K1IR	2,093,184
K2NJ	2,063,376

DX Single Operator, QRP, CW	Score
GØTDX	406,116
HA2SX	402,705
HP1AC	248,784
LU1FNH	242,406
DL3KVR	215,556
9A3RE	199,296
DL4FN	198,696
LY2FE	178,227
LY2BTA	157,920
F5OIH	147,420

DX Single Operator Assisted, CW	Score
DK3GI	2,062,848
KH6RS	1,772,766
PA5KT	815,517
KH2/N2NL	811,200
OK1DG	555,540



Multi-Operator Single-Transmitter CW winner 8P9JA with operators Will, AA4NC and Jim, K4MA, hunkered down for the long haul.



Geoff, WØCG, one of the ops at Multi-Single second-place finisher VP5CW in the middle of a 201-contact run in the first hour of the contest.

Single Band Top Ten

W/VE 160		W/VE 40		W/VE 15		DX 160		DX 40		DX 15	
WA8GHZ	15,006	K8DX	285,384	K2SS/1	605,790	S50U	16,128	C6AKQ	234,879	ZF1A	320,856
K4TEA	11,484	KM2P	230,265	N8II	531,036	YZ6A	14,280	(N4BP, op)		(W5ASP, op)	
K5RX	7,035	KV0Q	229,353	K2WI	518,976	S57M	8,787	OK1RF	220,719	9A5Y	241,623
K4RX	5,814	K4VX	216,132	W0UN	477,873	I3VHO	5,808	SN2B	191,868	(9A3LG, op)	
K1VW	5,670	(K9BGL, op)		(W0UA, op)		OK1TP	495	(SP2FAX, op)		KL7RA	240,012
NX5M	3,948	NA5B	172,800	K0XG	447,531	OH2U	175,914	OH2U	175,914	OT9A	221,502
KZ5MM	3,159	(W5AO, op)		(K0RX, op)		(OH2LUR, op)		S57DX	165,312	(ON5UM, op)	
K1KY	2,886	VE1ZJ	135,018	K2VV	423,384	OT9T	117,264	YU4WU	154,686	T17/N4MO	218,370
VE3DO	1,980	K7EM	106,470	(at K4VX)		(ON4UN, op)		OH1JD	147,726	OH0JJS	209,322
W2VO	1,872	N0AC	88,038	N0NR	389,844	TM6P	108,864	OM3A	135,261	(OH6LI, op)	
W/VE 80		WB4OSN	71,820	N5DX	388,500	(F5MZN, op)		OM3A	135,261	MD/DL8WAA	208,626
W1MK	156,735	W4JKC	68,400	N2MF	360,261	WP3C	68,649	(OM3CGN, op)		SP5GRM	199,080
K1LZ	100,344	W/VE 20		N0NI	335,517	EA4AAK	58,422	9A4D	127,395	F5NBX	195,966
K11K	40,788	K1TO	387,795	W/VE 10		G3WGN	49,536	OK1DIG	127,020	OH6AC	191,520
K3JGJ	33,672	W7VA	270,909	WC4E	328,941	OK1DX	46,305	DX 20		(OH6CS, op)	
W0SF	17,400	N4PN	243,726	K4WX	223,416	MD/DL5LYM	44,892	GM3POI	288,360	DX 10	
W8AEF	15,651	K2BA	138,600	K9QVB	190,080	DK8LV	44,415	DJ7AA	210,276	LT1F	279,180
KE5E	14,688	W8UD	101,616	N7DR	165,804	DF0KW	37,485	IR2W	206,739	(LU5CW, op)	
WB2AMU	4,929	K9BG	76,077	VE3ZT	131,220	JH1OGC	36,750	(IK2QEI, op)		RZ3AX	260,652
N5XJ	3,690	N19C	75,852	W9AU	114,390			S50K	197,664	HC2SL	230,454
W6RKC	2,709	VE7AV	58,212	A12C	112,338			OH8LQ	190,980	F5IN	207,423
		W8UMR	43,290	KA6BIM	101,556			LA9GX	183,141	DL1IAO	179,916
		W3EHZ	40,788	W5ZO	88,578			OH6RX	176,436	LU9APM	175,938
				W9GIL	83,913			HG1R	162,516	ON4UN	164,082
								(HA1XU, op)		JL1ARF	146,550
								YU1ZZ	160,740	OH0MP	146,496
								RZ9UA	153,720	(OH4JLV, op)	
										G3WVG	144,837

Top Ten

Band breakdowns show QSO/Multipliers

Call Sign	Score	160	80	40	20	15	10	Call Sign	Score	160	80	40	20	15	10								
W/VE Single Operator, Low Power, CW																							
W2TZ	1,844,640	9/9	76/40	233/59	541/74	564/70	529/62	W/VE Multioperator Single Transmitter, CW															
N8AA	1,676,700	20/15	84/43	171/62	343/74	487/77	516/74	W3BGN	4,514,112	58/37	181/60	715/81	788/94	865/100	657/89								
VO1MP	1,427,688	0/0	132/52	288/53	480/71	330/75	276/65	W2AA (at N2TX)	3,560,121	31/26	149/62	444/79	717/94	492/95	810/93								
K1NO (K5FUV, op)	1,378,944	15/14	77/38	237/57	540/74	316/60	327/61	AA2FB	3,275,832	26/24	103/54	475/82	651/88	693/97	568/89								
K4RO	1,378,026	24/19	71/46	199/65	280/67	391/72	394/69	N4RV	2,748,285	38/30	161/53	468/80	508/74	614/80	566/72								
NA2U	1,136,220	2/2	13/13	226/62	264/63	454/74	347/76	W6XR	2,471,940	21/16	77/42	456/72	536/80	622/82	503/80								
K4OGG	1,110,798	19/12	52/28	150/55	216/61	424/71	452/55	W/VE Multioperator Two Transmitter, CW															
K1RO	1,108,554	0/0	32/19	106/43	288/65	444/72	464/78	K1AR (at K1EA)	9,247,365	35/30	316/731263/100	1357/112	1583/114	1251/102									
WO4O	1,101,420	0/0	43/25	215/55	311/73	340/66	357/71	K8AZ	6,497,778	38/28	169/66	850/90	889/104	1454/107	958/102								
WD5K	1,074,528	0/0	80/38	135/54	217/71	415/74	301/75	K8LX	5,762,556	26/22	109/54	862/90	924/102	1311/108	890/90								
W/VE Single Operator, High Power, CW																							
K12M	4,566,039	37/32	293/62	853/78	646/89	655/86	983/91	K9AA (at W9JA)	5,760,933	35/24	176/59	818/90	796/97	1308/111	876/98								
K5ZD (W2SC, op)	4,306,236	40/28	213/53	691/69	794/78	1014/90	801/86	KB1H	4,532,526	21/20	173/64	648/86	747/89	1036/103	681/95								
KQ2M	4,122,258	27/23	239/56	730/81	616/86	778/90	828/91	W/VE Multioperator Unlimited Transmitter, CW															
N2NT	4,096,134	40/29	160/51	898/80	670/84	826/80	769/82	W3LPL	12,158,520	123/57	468/841485/112	1562/123	1690/119	1382/109									
K1DG	3,995,850	21/21	182/56	666/83	757/85	795/91	713/89	KC1XX	11,028,732	68/42	389/791374/102	1637/120	1618/122	1341/107									
W4AN	3,968,250	34/27	192/55	743/76	615/82	795/87	871/80	K3LR	10,375,095	78/42	305/751343/107	1312/116	1721/119	1362/106									
K1ZZ	3,881,001	46/29	141/51	498/69	811/93	754/81	913/86	K1XM	10,078,368	94/48	518/84	1048/94	1549/116	1803/116	1052/96								
K3ZO	3,860,337	33/24	229/64	797/80	769/84	737/81	628/70	K1KI	9,989,472	78/42	422/79	1199/79	1673/115	1530/113	1219/98								
N2LT	3,751,200	33/22	145/46	630/82	686/83	797/88	835/79																
K0DQ (at W4RX)	3,683,988	35/28	140/54	631/74	786/81	837/84	672/75																

Top Ten

Call Sign	Score	160	80	40	20	15	10	Call Sign	Score	160	80	40	20	15	10	
DX Single Operator, Low Power, CW																
ZF2NT (N6NT, op)	3,679,680	216/46	500/52	639/55	812/58	838/57	828/52	DX Multioperator Single Transmitter, CW								
WP2Z (KE2VB, op)	3,173,712	169/35	253/47	466/49	524/53	1074/57	1088/55	8P9JA	5,403,942	286/49	470/58	879/59	1088/59	1145/59	1399/58	
ZF2MO (KM9D, op)	3,013,590	217/45	446/51	559/54	571/55	638/56	799/50	VP5CW	5,040,846	364/50	535/55	975/57	908/59	1177/58	1027/58	
VP2V/K1DW	1,917,993	52/19	156/29	360/43	622/55	539/52	798/55	V31TP	4,862,721	316/49	581/54	737/57	846/56	1286/57	1242/58	
KH6/W6PH	1,714,581	0/0	86/30	592/55	531/55	590/57	478/54	KG4DZ	3,899,712	135/32	408/50	818/57	753/55	1042/56	1120/54	
LZ0A (LZ2UU, op)	1,483,176	0/0	12/10	441/54	640/56	508/55	530/57	TM1C	3,753,783	119/30	429/45	618/53	920/56	1021/56	1106/57	
NP2S (K3DI, op)	1,299,792	0/0	0/0	265/46	524/54	505/54	789/54	DX Multioperator Two Transmitter, CW								
EA7GTF	1,236,429	22/12	148/29	257/43	392/50	413/52	507/51	HC8N	8,440,950	436/54	868/58	1245/59	1564/59	1929/60	2010/60	
S57J	970,725	0/0	35/18	205/41	408/52	395/55	462/49	V26O	7,525,485	387/51	692/57	1359/58	1449/59	1701/60	1683/60	
8P9NX	943,299	0/0	92/28	367/46	359/46	490/53	141/44	6D2X	6,698,214	426/54	678/59	1568/60	1255/58	1567/59	959/56	
DX Single Operator, High Power, CW																
P40W (W2GD, op)	4,965,408	233/48	477/56	687/57	1058/58	1065/58	1406/59	XA5T	5,922,000	431/50	729/57	1170/57	1223/58	1387/58	935/56	
WP3R (KE3Q, op)	4,561,680	270/48	358/52	707/58	911/58	832/57	1502/59	G4BUO	4,238,208	63/32	304/48	985/59	974/59	1252/57	950/57	
3E1CW(KD6WW, op)	4,476,045	285/49	235/49	910/58	934/58	1105/57	1066/58	DX Multioperator Unlimited Transmitter, CW								
KH7R (KH6ND, op)	3,638,196	156/44	401/53	724/57	541/55	856/57	1065/58	9A1A	4,148,004	161/37	450/53	971/60	1018/59	1003/58	691/55	
KH6X (K5NA, op)	3,294,951	195/44	372/53	489/52	615/56	752/56	1020/58	RW2F	4,052,664	84/27	297/46	942/59	1109/59	1015/59	938/58	
NH7A (KH6TO, op)	2,958,789	200/45	232/45	643/57	549/52	735/57	792/57	C6AKW	3,727,794	368/49	641/56	652/58	961/57	999/56	238/46	
G0IVZ	2,784,474	81/30	321/49	516/52	695/54	810/55	734/54	SK3GW	2,797,920	0/0	180/36	820/58	874/59	946/57	660/56	
SP7GIQ	2,645,214	50/15	307/48	607/56	643/55	614/55	862/57	LY7A	1,781,532	2/2	121/29	437/56	761/56	768/58	325/45	
F6BEE	2,642,805	45/23	240/43	474/47	660/53	809/57	907/58									
DL5AXX	2,569,317	24/18	220/49	623/54	572/57	832/56	652/59									



F5NBX posted a Top 10 DX Single-Band 15-meter entry from this smart looking station.



JF2FIU proudly shares his love of the hobby with his son. Is this a new multi-op team in the beginning stages?

winning the tough DX single-op QRP category in a close finish with HA2SX—406,116 points to 402,705. Another European, DK3GI, takes home top honors in the

DX single-op assisted realm with a strong showing of 2,062,848 points.

Intense competition and some great strategies highlight the DX multi-operator category.

The multi-two operation at HC8N out QSO'd runner-up V26O on five bands to take home top honors with 8,440,950 points, and in the process upped the previous M2 record

1999 ARRL International DX Contest CW Plaque Winners

WVE CW Single Operator

All Band	K1ZM	Frankford Radio Club
1.8 MHz	WA8GHZ	Butch Greve, W9EWC Memorial
3.5 MHz	W1MK	Thomas Rylander, SM3DMP
7 MHz	K8DX	Northern AZ DX Assn
14 MHz	K1TO	QSLs By W4MPY
21 MHz	K2SS/1	Carl Luetzelschwab, K9LA
28 MHz	WC4E	Green River Valley IL ARS
Low Power	W2TZ	Dauberville DX Assn
QRP	N7IR	Tod Olson, K0TO

Multi-Operator

Single Transmitter	W3BGN	Northern Illinois DX Assn
Two Transmitter	K1AR	Order of the Boiled Owls, W2AO Memorial
Unlimited	W3LPL	Alpha/Power, Inc

DX CW Single Operator

World	P40W	North Jersey DX Assn
Africa	EA8CN	Byron P. Peebles, Jr., NZ30
Asia	C4A (5B4ADA, op)	Alamo DX Amigos
Europe	G0IVZ	Jerry Griffin, M.D., K6MD
North America	WP3R (KE3Q, op)	Potomac Valley Radio Club
Oceania	KH7R (KH6ND, op)	John Brosnahan, W0UN
1.8 MHz	S50U	Fred Race W8FR, DL1FF Memorial
7 MHz	C6AKQ (N4BP, op)	Thomas P. Gannon W3YX Memorial
14 MHz	GM3POI	Tom Frenaye, K1K1
28 MHz	LT1F (LU5CW, op)	Ft Wayne DX Assn
Low Power	ZF2NT (N6NT, op)	Jim Stevens, K4MA
QRP	G0TDZ	Jerry Griffin, M.D., K6MD
Assisted	DK3GI	Willamette Valley DX Club

DX CW—Multi operator Single Transmitter

World	8P9JA	John Brosnahan W0UN
Asia	JR1ZTT	Yankee Clipper Contest Club
Europe	TM1C	The Radio Place
North America	8P9JA	Caribbean Contesting Consortium

DX CW Multioperator Two Transmitters

World	HC8N	Frankford RC, Tom DeMeis K2TD Memorial
Europe	G4BUO	Jim George, N3BB
Oceania	no winner	Oklahoma Comm Center and AH9B
South America	HC8N	Northern Ohio DX Assn

DX CW Multioperator Unlimited

World	9A1A	H Stephen Miller, N0SM
Europe	9A1A	Texas DX Society
North America	C6AKW	Alpha/Power, Inc
Oceania	no winner	David Brandenburg, K5RQ
South America	no winner	David Brandenburg, K5RQ

Special Plaques

Atlantic Division CW	K3ZO	Salt Lake DX Assn, K2NY Memorial
Great Lakes Division CW	N9AG (at N8IR)	Livonia ARC
Japan All Band CW	JH4UYB	Akita DX Assn
Japan Low Power All Band CW	JH5FXP	Western WA DX Club
Seventh Call Area All Band CW	KC7V	Willamette Valley DX Club
Ninth Call Area All Band CW	W9RE	Northern Illinois DX Assn
Caribbean Multi-Single CW	8P9JA	The YASME Foundation

WVE Region Leaders

Boxes list call sign, score, and power (A = QRP, B = Low Power, C = High Power).

CW

Northeast Region (New England, Hudson and Atlantic Divisions; Maritime and Quebec Sections)		Southeast Region (Delta, Roanoke and Southeastern Divisions)		Central Region (Central and Great Lakes Divisions; Ontario Section)		Midwest Region (Dakota, Midwest, Rocky Mountain and West Gulf Divisions; Manitoba and Saskatchewan Sections)		West Coast Region (Pacific, Northwestern and Southwestern Divisions; Alberta, British Columbia and NWT/Yukon Sections)	
N1TM	338,334 A	N1CWR	284,208 A	WI9WI	269,730 A	N0UR	306,180 A	N7IR	516,132 A
AA1CA	281,934 A	N4ROA	135,441 A	VA3SB	101,106 A	K0NI	177,912 A	W8QZA/6	227,586 A
W2ZT	141,120 A	K4GEL	99,186 A	K8UCL	32,184 A	K5TT	165,996 A	N6WS	216,756 A
K2JT	137,196 A	W4NI	21,624 A	K8CV	17,808 A	K0ZK	34,170 A	W6JVA	64,449 A
K3WWP	116,325 A	W4KYW	17,820 A	AF9J	15,552 A	WA0VBW	21,321 A	W6IO	55,890 A
W2TZ	1,844,640 B	K4RO	1,378,026 B	N8AA	1,676,700 B	WD5K	1,074,528 B	W6JTI	993,294 B
VO1MP	1,427,688 B	K4OGG	1,110,798 B	WB8YJF	1,042,494 B	W0UO	1,056,510 B	W7YAQ	891,462 B
K1NO (K5FUV, op)	1,378,944 B	W0AO	1,101,420 B	VA3RU	1,034,931 B	N5AW	990,522 B	K7ZA	710,424 B
NA2U	1,136,220 B	K5KLA	1,072,965 B	N9JF	943,944 B	N5DO	635,508 B	KN7Y	665,448 B
K1RO	1,108,554 B	WD4AHZ	1,006,155 B	K8EP	658,512 B	K5WO	550,464 B	N7AN	500,268 B
K1ZM	4,566,039 C	W4AN	3,968,250 C	W9RE	3,090,540 C	N2IC	3,425,760 C	W6AX	2,927,076 C
K5ZD (W2SC, op)	4,306,236 C	K0DQ (at W4RX)	3,683,988 C	N9AG (at N8NR)	2,097,900 C	K5YA	2,081,280 C	(N6IG, op at W6GO)	
KQ2M	4,122,258 C	N4AF	3,355,506 C	K9MA	1,783,848 C	N5CQ	1,375,470 C	K6LA	1,636,470 C
N2NT	4,096,134 C	K4AB	1,883,484 C	VE3KZ	1,285,920 C	N5PO	1,086,168 C	KC7V	1,554,060 C
K1DG	3,995,850 C	K0EJ	1,579,569 C	W9OP	1,113,525 C	K0CAT	1,034,838 C	K4XU/7	1,477,980 C
								W2VJN/7	1,477,008 C

of 8,011,644 set by the 6D2X entry in 1994. That's quite an accomplishment from an outstanding group of ops.

The stations at 8P9JA, VP5CW, and V31TP battled it out in the multi-single category. While each snared similar QSO and multiplier totals, on most bands, 8P9JA emerged as the winner, in part due to an excellent QSO total on 10 meters. Their 5,403,942 score missed the old mark set in 1990 by about 500K. Will this fall next year? Rounding out the DX multiop stations was the 9A1A win in the multi-multi category.

More detailed log checking was introduced to this year's contest. If you submitted an electronic log, you can receive a copy of your UBN by sending an email request to k5fuv@arrl.org and including as the subject line your call sign and the words "UBN request DXCW." A couple of changes will affect entries for next year's event. If you use a computer to log the contest, you will be required to submit a copy of the log file for log checking purposes in the required ARRL file format. Look for more information on this in the upcoming "General Rules for all ARRL Contests," as well as the specific rules for this event for the year 2000.

Speaking of next year, the dates for the 2000 ARRL International DX CW contest

are set for February 19-20. With the excellent propagation expected to continue, it's a good bet that activity will continue to increase. Whether you are a die-hard con- tester looking to hunker down for the duration, or a casual operator who is looking for a couple of new DXCC entities, this event is a place to bring out the best in your operating skills. The 1999 running of the DX CW contest was one to remember for many, that's for certain. But start looking ahead now as you plan to make the year 2000 ARRL International DX Contest CW week- end your "one to remember."

Soapbox

After poor conditions at the start, I finally heard a loud European station in the passband. I worked him, QSYed up to the next clear spot, called CQ, and didn't move for about seven hours (N8II)... Conditions were good Saturday night, but my neighbor W4DR blew me away (W4HI)...Great Contest! Results far exceeded my previous efforts or my expectations for this year (K1FFX)...Great to have the solar flux back (K0BJ)...Best I ever did from home in this contest. Had a ball! Managed to stay in the seat for 41.5 hours, but couldn't sleep much during off time (W1WFF)...First DX contest at a new QTH—rig on an old kitchen table and amplifier on an upside-down recycling bin (N2MF)...Murphy attacked with a vengeance this year. It started a week before the contest when a Nor'easter took out the rotor, the local packet node crashed three days beforehand, and during the contest the Henry 4K

amplifier tripping the HV overload. A thoroughly exhausting weekend for me but the ops here did a super job (W3PP)...Ten meters was so congested that at times I had to use my 250-Hz filter, just like 40 meters (W2YR)...The highlight of the weekend was working VR2BG on 80 meters at sunrise Saturday morning using only 100 W and a G5RV antenna (W9FX)...I'm amazed that I was able to break 1 million points with my little antennas (N5AW)...I was astonished at the number of requests for me to QSY to other bands. All requests were completed (VE9DX)...Outstanding openings on 10 and 15 all day to Europe and Russia on 20 meters (VE3KZ)...You could have worked Europe on a coat hanger on 10 meters Sunday morning. Thanks to all of the Caribbean stations who pulled out my weak signal on the Top Band. HC8N definitely had the best ears on 160 meters (K8EP)...The propagation at the start of the contest all of the way through Saturday was absolutely punk. Trying to run was hopeless (N0FW)...Excellent conditions. Was able to run on 10 and 15 and even for a bit on 20 meters (W1W)...I secretly wished for another radio and stacked beams, having been spoiled at AA4NU while being introduced to Single-Op Two-Radio (WO4O)...I was fascinated to read comments of those in the west who had good low-band conditions while in the northeast it was awful. I would have thought given the aurora and extent of the solar storm conditions would have been universally poor. Wonder what conditions will be next year? (KQ2M)...This was my first attempt at the DX contest. I was impressed with the abilities and responses of the operators—and their patience (W9QFV)...Enjoyed fine signals from the new QTH with temporary (wimpy) antennas. Had to go outside to swap antennas and change bands. High- lights? Busting HZ, 5H, TZ and EL pileups fairly quickly with the grounded-mounted vertical (N8SM).

Scores

Scores are listed by DXCC Countries and ARRL/RAC Sections. Within each Country or Section, scores are listed in descending order, by power categories, followed by multi-operators. Line scores list call sign, score, QSOs, multipliers, hours of operation (default is 48), power (A = QRP, B = Low Power, C = High Power), and band.

CW W/V Single Operator 1

Connecticut

N1TM	338,334	527	214	48	A
NM1K	62,730	170	123	48	A
N1MT	44,550	165	90	48	A

KINO (K5FUV, op)

K1RO	1,378,944	1512	304	41	B
KG1D	1,108,554	1334	277	20	B
W0MHW	760,562	962	267	48	B
W1EQ	719,901	879	273	48	B
W1EQ	678,132	966	234	48	B
W3TB	295,596	476	207	48	B
N1QDA	30,888	104	99	48	B
WA1GDN	14,931	79	63	6	B
KQ2M	4,122,258	3218	427	45	C
K1ZZ	3,881,001	3163	409	48	C
W1WFF	3,594,240	3072	390	48	C
K1RM	3,010,410	2490	403	48	C
AA1OL	22,578	106	71	6	C
K1VW	5,670	54	35	48	C
K2SS/1	605,790	1905	106	48	B
K1DL	31,110	170	61	7	C

Eastern Massachusetts

W1TO	955,854	1142	279	48	B
K1HT	654,696	866	252	15	B
K1FFX	465,804	681	228	48	B
W1VIV	328,452	542	202	22	B
N3KCC	275,217	461	199	48	B
W1ZZ	208,572	382	182	48	B
KR1B	156,420	330	158	48	B
N1EDM	148,824	312	159	48	B
W21K	81,216	144	188	48	B
N1PGA	73,830	214	115	48	B
K1TW	24,090	110	73	48	B
KQ1F	14,832	103	48	48	B
K1VUT	4,770	53	30	2	B
KC1WD	1,701	27	21	4	B
K1ZM	4,566,039	3467	439	48	C
AA1ON	1,065,222	1426	249	48	C
W1AX	615,330	774	265	48	C
W1ZT	460,719	721	213	11	C
W1FM	448,158	661	226	48	C
K1OJM	119,511	271	147	48	C
K2LP	75,192	241	104	48	C
W1EM	64,515	187	115	48	C
WB1S	11,658	58	67	48	C
W1MK	156,735	645	81	48	C
K1LZ	100,344	452	74	48	C
KM2P	230,265	903	85	48	C
WR1P	12,126	94	43	48	C
WG1Z	37,989	189	67	48	B
W1GOU	18,963	129	49	48	B

Maine

N1AFC	39,600	165	80	48	A
KAHIS	542,574	701	258	48	B
W1LIC	24,480	120	68	5	B
KDIOG	7,800	65	40	12	B
K1PQS	59,637	193	103	15	C

New Hampshire

AA1CA	281,934	454	207	35	A
K1WD	82,026	217	126	24	A
K1PTF	805,749	1037	259	48	B
NM1W	205,842	338	203	48	B
AA1QD	145,542	382	127	12	B
K1NH	103,680	270	128	48	B
WB1GEX	8,967	61	49	4	B
K1DG	3,995,850	3134	425	48	C
KC1F	2,610,432	2472	352	35	C
WC1M	1,986,465	2171	305	30	C
KRTG	1,237,041	1417	291	48	C
K1BV	485,784	936	173	21	C

Rhode Island

K1VJSJ	816,864	1016	268	48	B
K1ZE	284,427	507	187	10	B
AB1BX	61,596	177	116	48	B
K2MN	20,870	106	65	48	B
KS1J	1,327,290	1465	302	48	C
W1WFF	519,129	783	221	48	C
W1RFQ	24,360	145	56	48	C

Vermont

W3SOH	277,200	462	200	48	B
W1ZK	963,604	1023	315	48	B
WA1LJR	639,330	1055	202	13	C
AA1SU	244,944	432	189	48	C
W1ZS	212,784	403	176	48	C
K11K	40,788	206	66	20	C

Western Massachusetts

W1KT	398,820	578	230	48	B
AE1B	243,000	500	162	48	B
K1TS	192,045	413	155	48	B
W1TO	118,170	303	130	48	B
K5ZD (W2SC, op)					
	4,306,236	3553	404	48	C
N1AUT	11,286	114	33	48	C
NB1Q	4,092	44	31	8	B

2

Eastern New York

W2QYA	7,998	62	43	48	A
K2UF	763,434	1022	249	48	B
K2SIG	709,386	863	274	48	B
K2DW	298,368	448	222	48	B
W2ENY	192,324	341	188	48	B
N2EM	139,104	288	161	48	B
W2YK	124,740	270	154	48	B
K2RI	35,028	139	84	8	B

K2SX 1,560,000 1625 320 48 C

W2ZUJ	400,452	604	221	48	C
N1JP	23,229	89	87	48	C
W2XN	28,899	169	57	48	B
KC2CRO	1,008	21	16	2	B

NYC-Long Island

N2TO	100,992	263	128	17	A
W2ZLI	520,923	703	247	48	B
W3EH	116,946	267	146	48	B
KG2BI	113,778	258	147	48	B
W2KTF	26,676	117	76	48	B
NY6DX	1,020,099	1009	337	48	C
K1NH	403,650	650	207	48	C
WB2TPS	175,200	365	160	48	C
N2GC	51,900	173	100	48	C
WB2AMU	4,929	53	31	48	B
K2MPY	72,957	293	83	11	B
KAZD	44,844	202	74	48	C

Northern New Jersey

K2JT	137,196	309	148	10	A
W2JEK	13,050	75	58	8	A
NA2U	1,136,220	1306	290	48	B
N2LK	219,700	405	180	14	B
N2ST	126,828	271	156	48	B
KB2VW	107,882	262	137	48	B
W2CWW	66,105	195	113	7	B
KG2MV	12,636	78	54	6	B
N2NT	4,096,134	3363	406	48	C
N2LT	3,751,200	3126	400	48	C
K2DM	2,506,002	2501	334	48	C
W2AYYA	1,271,487	1337	317	48	C
W2EM	1,162,458	1254	309	48	C
W2HCA	497,760	680	244	48	C
N2UN	474,240	520	304	48	C
W2RD	299,700	444	225	48	C
W2UDT	136,820	280	163	48	C
NC1A	117,810	255	154	48	C
NW2B	29,925	95	105	48	C
N2JM	25,032	149	56	48	C
W2ASQ	17,595	115	51	48	C
AE2JL	37,200	200	62	48	B
N2CG	14,868	118	42	12	B

Northern New York

W2ZT	141,120	320	147	23	A
K3KYR	404,721	579	233	31	C
N2TW	672	16	14	48	B
N2JNZ	462	14	11	5	A

Southern New Jersey

KC2TA	342,654	598	191	48	B
WSKI	269,514	414	217	15	B
K1JT	233,130	409	190	26	B
WA2VQV	99,825	275	121	48	B
K2MK	92,230	114	65	48	B
W2UL	14,268	82	58	48	B
AB2E	1,397,889	1223	381	48	C
KD2KS	43,956	148	99	48	C

W2BE 30,969 111 93 48 C

AD2Y	2,430	30	23	48	C
K3JGJ	33,672	184	61	48	C
K2SWZ	7,866	69	38	48	B
K2WI	518,976	1632	106	48	B
W2CN	8,610	70	41	9	B

Western New York

W2TZ	1,844,640	1952	315	48	B
WAZEVA	451,485	635	237	48	B
K1PY	391,170	590	221	48	B
W2TX	333,198	519	214	12	B
W2A2YSJ	299,280	464	215	48	B
N2UM	277,344	432	214	48	B
AA2VX	181,863	363	167	48	B
W2GR	73,875	197	125	48	B
K2GKM	64,200	200	107	48	B
K9EFE	52,416	192	91	10	B
W2FUJ	51,615	185	93	20	B
K2FR	4,620	44	35	48	B
K2UA	2,727,879	2651	343	42	C
W2LC	1,847,385	2019	305	48	C
N2CU	1,457,352	1557	312	48	C
K2NV	1,396,236	1516	307	48	C
W2FU	1,253,364	1388	301	48	C
K2FU	1,111,560	1180	314	48	C
KWVJ	609,696	876	232	31	C
K2WY	519,456	773	224	31	C
W2FXA	490,752	639	256	48	C
W2EZ	222,894	406	183	48	C
K2MP	205,110	430	159	24	C
W2ABN	150,732	318	158	48	C
W2OM	129,360	308	140	20	C
KX2H	87,840	240	122	10	C
W2FY	87,075	215	135	48	C
W2Y					

Georgia

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like W4KYW, K4OQG, N8LM, etc.

Kentucky

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like K4IE, K4EJLA, K1AIO, etc.

North Carolina

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like W9JB, NX0T, KS4XG, etc.

Northern Florida

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like W44MC, W4HM, W4W4, etc.

South Carolina

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like VE7CPN/W4, K2FY, K4DLJ, etc.

Southern Florida

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like WD4AHZ, N2PK, N6FLO, etc.

Tennessee

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like N1CWR, W4NI, K4RO, etc.

Virginia

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like N4ROA, K4GEL, N4UY, etc.

Arkansas

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like KM5G, NS5X, K4OAO, etc.

California

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like K6PPG, KA6BIM, Sacramento Valley, etc.

Arizona

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like N7IR, W5VB0, KN7Y, etc.

Idaho

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like W7LR, W7XG, KA7T, etc.

Montana

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like K7BG, KC7UP, K7ABV, etc.

Nevada

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like KU7Y, N7IF, K7NV, etc.

Oregon

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like K8WV, K6XV, K6BZS, etc.

Utah

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like KE7NS, N7OG, W7HS, etc.

Western Washington

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like W7NWX, W7JR1NKN, K7ZA, etc.

Washington

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like W7NWX, W7JR1NKN, K7ZA, etc.

Louisiana

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like K5KLA, K5QK, Louisiana, etc.

Mississippi

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like W5XX, W5OYU, K5CZA, etc.

New Mexico

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like K5OI, W6PU, W5JRP, etc.

North Texas

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like W5DK, W0UJ0, N5AW, etc.

Oklahoma

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like K5TT, K5HP, N5AB, etc.

South Texas

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like W5TD, K5LJ, N5TN, etc.

West Texas

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like N5DO, N5ZM, W5ZO, etc.

East Bay

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like K6WV, K6XV, K6BZS, etc.

Los Angeles

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like K6QES, K6DDO, W6GBL, etc.

Orange

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like K6GO, W6NT, A6PWP, etc.

Santa Barbara

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like N6WS, N6AZR, W6FGV, etc.

Santa Clara Valley

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like W6IO, W6PLJ, N6CY, etc.

Santa Francisco

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like W6JTI, K6UM, W6WB, etc.

San Joaquin Valley

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like K6MI, W6SRU, K6BPG, etc.

Ohio

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like K8BUC, K8BNC, N8AA, etc.

Michigan

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like K8CV, W8BRCR, K8EP, etc.

Wisconsin

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like W9WU, W9BBS, W9GBB, etc.

Colorado

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like K0ZK, N0QT, K10I, etc.

Minnesota

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like N0UR, W0VBW, K0EUI, etc.

Missouri

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like K0NI, K0GPF, K0AOUV, etc.

West Virginia

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like K8BFX, W8BDM, W8TP, etc.

Illinois

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like N9JP, K9MMS, W9FX, etc.

Indiana

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like K9JC, K9BG, K9GX, etc.

Ohio

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like K8BUC, K8BNC, N8AA, etc.

Michigan

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Wisconsin

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Colorado

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Minnesota

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Missouri

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North Dakota

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Nebraska

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like AB0FX, W0N0L, K10K, etc.

Canada

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like VE2ABO, VE2ZAW, VE2ZFW, etc.

New Brunswick

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like VE9DX, VE4MF, Nova Scotia, etc.

Nova Scotia

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like VE1CT, VE1ZJ, Newfoundland-Labrador, etc.

Newfoundland-Labrador

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Quebec

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Ontario

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like VA3SB, VA3RU, VE3KP, etc.

Manitoba

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like VE4JB, VE5SF, VE5CM, etc.

Saskatchewan

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like VE5SF, VE5CM, British Columbia, etc.

British Columbia

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Single Operator Assisted

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Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like K1G1, K1M1, K5MA, etc.

4

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like K1G1, K1M1, K5MA, etc.

5

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like K1G1, K1M1, K5MA, etc.

6

Table with 4 columns: Call sign, Frequency, Power, and Notes. Includes call signs like K1G1, K1M1, K5MA, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes sections for W1CSM, K1OA, K2M1, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes sections for AB6WM, N6UV, K6III, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes sections for W0GJ, W0TM, W0CP, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes sections for K3ANS, K3YD, K3II, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes sections for JH5FXP, JA8RWU, JH7WQJ, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes sections for N5JR, N4M, N4AM, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes sections for N09Z, N09Z, N09Z, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes sections for N3AD, N3AD, N3AD, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes sections for N4J1, N4J1, N4J1, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes sections for N4J1, N4J1, N4J1, etc.

