

1998 ARRL June VHF QSO Party Results

For some, the 1998 June VHF QSO Party was like a fairy tale—the avid VHF contester falling in love with outstanding band conditions and living happily ever after. For others, it was a Stephen King nightmare where the fury of Mother Nature goes on a blind date with Mr. Murphy and cuts a swath of destruction across the bands. Whichever view you had, you had lots of people in agreement! But all seemed to agree that the 1998 version of VHF “paradise or purgatory on Earth” was a success.

As often happens in this contest, weather played a major role. From snow in the Rockies and tornadoes in the Midwest, to torrential downpours in New England and “the best weather in years” in the Southeast—Mother Nature took an active role in making certain the best laid plans of many a contester were challenged. Mountaintops may be advantageous places to be in great weather, but many a hearty contester cleared out when the fury of nature visited over the weekend. Hurricane force winds, snow, and thunderstorms wreaked havoc for home stations, rovers and portables alike. Throw in a few Midwestern twisters and some above-average rainstorms and you could run the gamut of conditions weather wise June 13–15.

There were some good happenings during the weekend and some shuffling in the Top Finishers, but the hard-core VHF/UHF “cream of the crop” generally repeated from 1997. W5ZN jumped from a third place finish to take the Single Op Category, pushing the 1997 champion WA8WZG down a notch

to second place. W8TL/3 improved from second in 1997 to take the QRP Portable category with defending champion W1VT slipping behind W2TTT into a third place finish. W2SZ/1 repeated as the Multiop winner by beating back challenges from AA9D, K3MQH, W3CCX and K8GP. The Limited Multiop winner was W5KFT while AB4CR repeated as the Rover champion.

It isn't every year you have a new overall scoring record established, but W5ZN Joel Harrison's 626,220 scoring effort sets a new standard for Single Operator stations. This also is a new Delta Division record. Congratulations Joel on a masterful effort. Other new division scoring records were set in the Single Op category by N2BJ in the Central Division (280,575), WA8WZG in Great Lakes (592,668), K0GU in the Rocky Mountain Division (287,749), and N5HHS in West Gulf (406,308). W9GKA in the Central Division (22,515) and N8XA in Great Lakes (15,604) set division QRP records. AA9D in the Central Division (1,098,240) and K8GP in Roanoke (967,992) claimed Multi-op Division records. New Multi-Limited Division records were set by W7XU in the Dakota Division (473,135), AC5TN in the Delta Division (195,536) W1XE in the Rocky Mountain Division (369,672), and W5KFT in West Gulf (628,705). Finally, AB4CR, in the Great Lakes Division (255,635), N1MJD in New England (99,440), and WB7RBJ in the Northwestern Division (53,457) attained new Rover Division standards.

Time and again entries cited “outstanding” conditions on 6 meters. “Six is on the way back” proclaimed several logs. Reports

of double skip, numerous new grid squares claimed, and QSOs for the taking were commonplace on this band. Cross-country and Cuban contacts on 6 meters were found in many logs. With the upturn in the sunspot cycle, 6 meters should continue to provide a great experience for the next few years.

Contesters were reminded, however, that openings on certain bands do have negative side effects. When you increase the activity on one band in this contest, you do tend to lose activity on others. Log after log bemoaned the reduction of activity on 2 meters and above. While there were some sporadic E reported and some stations did see increased activity, most VHFers on this weekend seemed to report that 2 meters suffered from the increased activity on 6 meters as well as relatively poor band conditions. Reports on the upper bands were varied as well. A dearth of activity on some bands in some regions was reported while one participant reported a pileup on 1296. The Soapbox section gives a good cross-section of the views of the participants in this year's June VHF extravaganza.

With three major VHF contests annually, it is an excellent opportunity for any ham to get involved in what is a fast-growing area of interest in the hobby. Remember the dates for each of the big three in 1999: the January VHF Sweepstakes January 23-25, the June VHF QSO Party June 12-14, and the September VHF QSO Party September 11-13. Start planning now to catch the VHF contest spirit. Maybe Mother Nature and Mr. Murphy will mellow and we all can catch some good propagation.

Region Box

Northeast Region (New England, Hudson and Atlantic Divisions; Maritime and Quebec Sections)

K1TEO	385,560	S
K1RZ	289,044	S
WA2FGK	219,198	S
(K2LNS,op)		
W8TL/3	69,112	Q
W2TTT	47,432	Q
W1VT	46,314	Q
W2SZ/1	1,141,084	M
K3MQH	988,875	M
W3CCX	984,750	M
KB2DMK	264,450	L
K1TR	242,688	L
W3IP	210,897	L
W2FU	174,903	R
W3EKT	147,610	R
N1MJD	99,440	R

Southeast Region (Delta, Roanoke and Southeastern Divisions)

W5ZN	626,220	S
WA5RT	148,071	S
WD4MGB	96,679	S
N6ZE/4	1,377	Q
K8GP	967,992	M
W4IY	460,591	M
K4SZ	12,403	M
AA4ZZ	372,500	L
AC5TM	195,536	L
K4RF	170,640	L
AB4CR	255,635	R
ND3F	148,257	R
N4STK	91,350	R

Central Region (Central and Great Lakes Divisions; Ontario Section)

WA8WZG	592,668	S
N2BJ	280,575	S
KE8FD	258,718	S
W9GKA	22,515	Q
N8XA	15,604	Q
KB9PCW	9,514	Q
AA9D	1,098,240	M
WW8M	298,368	M
K8NNU	48,006	M
W0UC	291,312	L
N9LAG	162,632	L
K8XX	103,208	L
WB9SNR	57,152	R
K9JK	51,920	R
N9GH	40,480	R

Midwest Region (Dakota, Midwest, Rocky Mountain and West Gulf Divisions; Manitoba and Saskatchewan Sections)

N5HHS	406,308	S
W8CM	396,210	S
W5UWB	372,070	S
N0JK	6,762	Q
N7MLD	1,702	Q
K5IUA	488,865	M
KK5IH	153,672	M
NN5DX/0	59,153	M
W5KFT	628,705	L
W7XU	473,135	L
W0ZQ	392,583	L
W5DF	66,920	R
AL7PO	65,835	R
K5UHF	60,324	R

West Coast Region (Pacific, Northwestern and Southwestern Divisions; Alberta, British Columbia and NWT/Yukon Sections)

W3SE	110,544	S
N6HKF	97,197	S
K6KLY	83,316	S
N6JO	21,375	Q
N7WLO	4,650	Q
W7PW	1,550	Q
W6TOI	104,247	M
W6WE	102,771	M
N16G	94,650	M
WB2ODH/6	235,653	L
N7LQ	108,528	L
WA7JTM	90,954	L
N6NB	90,552	R
K7XC	65,727	R
WB7RBJ	53,457	R

Key: L = Limited multioperator; M = Multioperator; Q = QRP portable; R = Rover; S = Single operator

QSO Leaders By Band

Single Operator		Multioperator	
50 MHz	432 MHz	50 MHz	432 MHz
N5HHS 1212	WA8WZG 194	W5KFT -L 1358	W2SZ/1 296
W5UWB 1090	KE6GFF 159	W1XE -L 1066	K3MQH 287
K0GU 1031	K1TEO 125	K5IUA 992	W3CCX 232
W8CM 1009	KB2ZVP 103	AA9D 983	K8GP 217
W5DK 953	W5ZN 98	W7XU -L 944	AA9D 204
N5WS 918	KE8FD 92	W3CCX 850	K3YTL 181
N5TSP 876	K6KLY 91	W0ZQ -L 792	WB2ODH/6 -L 141

-L denotes Limited Multioperator

Multiplier Leaders By Band

Single Operator		Multioperator	
50 MHz	432 MHz	50 MHz	432 MHz
K0GU 234	KE8FD 41	W7XU -L 258	K8GP 52
N5HHS 233	W5ZN 41	W5KFT -L 245	K3MQH 50
W5UWB 221	WA8WZG 38	W1XE -L 240	W3CCX 43
N5TSP 216	K1TEO 36	AA9D 229	AA9D 43
W5DK 214	K4QI 35	W0ZQ -L 227	K3YTL 40
N0LL 213	WA2FGK (K2LNS,op) 31	AC5TM -L 212	W2SZ/1 39
W8CM 210	K8TQK 30	W0UC -L 211	N2PA 38

-L denotes Limited Multioperator

Plaque Winners

Single Operator			Multioperator		
1st	W5ZN 626,220	Mt Greylock Expeditionary Force, W2SZ/1	1st	W2SZ/1 1,141,084	Randy Stegemeyer, W7HR
2nd	WA8WZG 592,668	Bald Knob VHF Contest Group, AA9D	2nd	AA9D 1,098,240	N2LIV, N2GHR, N2BFJ Contest Team
3rd	N5HHS 406,308	Ed Parsons, K1TR	3rd	K3MQH 988,875	Mt Airy VHF Club
4th	W8CM 396,210	Wellesley ARS, Mt Equinox Contest Crew	4th	W3CCX 984,750	Rochester VHF Group
5th	K1TEO 385,560	KB0HH, K0TLM, K0UO, KA0KUY, N0JK, WB0DRL, WQ0P, South Mountain Contest Team, K3MQH	5th	K8GP 967,992	Flagpole Knob Contest Group, W4IY
6th	W5UWB 372,070	John Butrovich, W5UWB, in Memory of John Chambers, W6NLZ Woodbridge Wireless Inc.	6th	K3YTL 609,246	Schenectady ARA, K2AE
7th	N5WS 365,078		7th	N2XTX 506,115	In Memory of Sid Krauss, WA2VNK
8th	K9MK 315,468		8th	K5IUA 488,865	
9th	K1RZ 289,044		9th	W4IY 460,591	
10th	K0GU 287,749		10th	N2PA 422,823	

QRP Portable

1st	W8TL/3 69,112	K2RIW, Rick & K2OVS, Jay
2nd	W2TTT 47,432	West Coast VHFer
3rd	W1VT 46,314	Robin Gist, K4VU
4th	WR3I 31,600	
5th	W9GKA 22,515	

Rover

1st	AB4CR 255,635	W2SZ/1, In Memory of Dick Goodman, WB1HH
2nd	W2FU 174,903	Wayne King, N2WK
3rd	ND3F 148,257	Northern Lights Radio Society & W0UC
4th	W3EKT 147,610	
5th	N1MJD 99,440	

Limited Multioperator

1st	W5KFT 628,705	W3EP/K9AKS/W9IP
2nd	W7XU 473,135	North East Weak Signal Group
3rd	W0ZQ 392,583	K1TEO, W2GKR, W2GKO, KA1FVG
4th	AA4ZZ 372,500	
5th	W1XE 369,672	

DX Single Operator

1st	XE2/N6XQ 23,074	Bill Tynan, W3XO
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DX Multioperator

1st	CP0FRC 128,355	Robert J. Carpenter, W3OTC
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Scores

Each line score lists call sign, score, stations worked, multipliers, hours, number of grids activated (if Rover) and bands (A= 50 MHz, B = 144 MHz, C = 222 MHz, D = 432 MHz, 9 = 902 MHz, E = 1296 MHz, F = 2304 MHz, G = 3456 MHz, H = 5760 MHz, I = 10 GHz, J = 24 GHz, K = 47 GHz, L = 75 GHz, M = 119 GHz, N = 142 GHz, O = 241 GHz, P = 300+ GHz). Call signs of division leaders and band indicators are listed in **boldface** type.

1	Connecticut	KA1EKR (+N1A) 9,366 148 42 L BCDE	K1LPS 9,128 131 56 S ABCD	KT1VT 6,136 112 52 S ABD	W1WT 46,314 340 83 Q ABCD9EFGHI	W1TKZ (AA1TH, KC1US, N1HXO, W1WEL, W01G, ops) 36,980 379 86 L ABCD	KB2SLE 1,054 62 17 S AB	WB2BEJ 924 47 11 S ABCD9E	K2VNP 728 44 13 S ABCD	WA2BAH 600 49 8 S ABCD9E	KB2SMS 546 42 13 S AB	W2WHO 430 36 10 S BD	K2ZM 357 32 7 S ABCD9E	K2RI 357 32 7 S BCD	AA2CW 120 19 5 S BCD	N2SFB 30 10 3 S B	KC2CCZ 28 6 4 S BD	KC2DGM 232 20 8 Q BD	K2T1Y (N2DVO, N2DHH, N2FMC, N2GDY, N2GKM, N2NWZ, WAZLVY, WB2NHC, WB2NVR, WB2VVS, N3EMF, ops) 330,372 1112 228 M ABCD9EFGHI	W1SJ (+N2YK) 163,845 859 165 L ABCD	AB21 (+KC2AGL, KC2CRO, N2BZF, W2AWX, W2NY, WA21D, WA2YSM, WC2J, KB2SSS) 114,210 704 141 L ABDE												
	Maine	N1SYM 11,172 199 49 S ABD	N1MUV 70,104 455 127 S ABCDE	WA1MBA 48,285 314 87 S BD9EFGHI	N1DPM 37,278 249 114 S ABCD	N1MJA 20,659 277 73 S ABCD	N1MHM 7,750 135 50 S ABCD	WA1UOL 1,980 56 30 S ABCD	WA1NYV 1,564 92 17 S B	N1RSY 1,045 95 11 S B	WA1ZUH 352 32 11 S B	Western Massachusetts	W2SZ (K1DHP, K1EP, K1IM, K2AD, K2TR, KA1DZV, KA1PRT, KB2DGA, KE2TP, KE4BF, N1SXY, N2HPA, N2XRE, N2YA, N2YZO, NC1J, W1SZ, W1VE, W2ARQ, WA1ZMS, WA2AAU, WA2SPL, WA8USA, WB2QCJ, W2SB, ops) 1,141,084 2108 332 M ABCD9EFGHJK																				
	New Hampshire	AF1T 87,216 439 138 S ABCD9EFI	WA1UJF 6,426 102 63 S AB	N1RWY 4,836 102 39 S ABCD	W1XZ 4,656 97 48 S AB	KQ1V 2,795 65 43 S AB	W1REZ 1,656 69 24 S B	K1WHS (+K1ART, W1MRQ, K1CA, K1DY, WB1FLD, N1LBI) 328,055 1057 245 M ABCD9EFG	K1TOL (+WB6X) 61,180 437 140 L A			Eastern Massachusetts	N1NUM (+ops) 5,180 134 35 L ABCD	Rhode Island	KM1X 48,899 405 107 S ABD	N9LYE 30 9 3 S ABD	K1MUJ (N1DGF, K1ZE, ops) 44,910 366 90 L ABCD	W1VHF (K1AST, K1RWK, K1KT, W1F1B, W1BSN, W1JJM, ops) 44,778 406 102 L ABDE	Vermont	W1RNA 10,540 132 68 S ABCDE	KE1JT 9,333 119 61 S ABCDE												
	Eastern Massachusetts	N1BWT 53,144 360 104 S ABCD9EI	WG1Z 26,767 280 71 S ABCDE	W1PM 21,442 232 71 S ABCD9E	KX1C 14,300 183 50 S ABCD9E	W1WV 13,481 197 61 S ABD	KB1VC 7,568 145 43 S ABD	K1UR 5,112 123 36 S ABCD	K5MA 3,838 101 38 S AB	AA1O 3,100 100 31 S AB	WA1ENO 2,225 89 25 S AB	N1VQR 1,840 73 23 S ABD	K1HC 1,650 66 25 S AB	K2BZF 1,426 62 23 S AB	WA1OFR 1,248 51 24 S ABD	W1DYJ 833 49 17 S A	AD1B 663 51 13 S AB			Northern New Jersey	WB2VVV 81,135 415 135 S ABCD9EFGI	WA2VUN 30,121 306 91 S ABD	K2KIB 24,700 210 95 S ABCD	KB2IT 11,644 284 41 S B	WB2TT 9,060 130 62 S A	K4BNC 7,000 94 70 S ABD	K2SIX 6,336 132 48 S A	N2NHN 4,002 87 46 S A	WA2BKN 3,686 97 38 S AB	KE3PL 3,145 85 37 S A	N2LMU 2,235 123 15 S ABD	W2JEK 1,197 63 19 S AB	K2JT 779 41 19 S A

KB2TCQ	108	8	4	S	9JP
WN2A	5	5	1	S	B
W2TTT	47,322	375	88	Q	ABCD9EP
WA2ASQ	918	54	17	Q	AB
N2MM	(+K2BJG,K2BM,K2BLHH,N2HMM,N2TTT,WB2UF,W3DR)				
	240,559	950	209	M	ABCD9EF
K2BAR	(N02T,K2AMI,K2ZO,N2PBP,N2ST,KB2YG,K2BWKJ,WA2YLH,WU2C,W2MSK,KO2OK,ops)				
	82,600	573	118	L	ABCD
NX2Q	(+K2ZQO)				
	7,437	201	37	L	B

Northern New York					
KB2ZVP	184,590	776	210	S	ABD
WA2AEY	44,720	304	130	S	ABD
N2UUX	16,800	200	84	AB	AB
KB0VPW	1,829	59	31	S	AB
K3KYR	(+W2ZT)				
	13,468	182	74	L	AB
W2NNY	(NT2W,N2MD,KC2BZ,ops)				
	11,644	159	71	L	ABD
WB2KLJ	(+K2BFS,KC2APO,N2UID,KC2AVI,KB2ZLJ,W2HJ)				
	8,094	136	57	L	ABD

Southern New Jersey					
KD2KS	19,980	239	74	S	ABCD
K2VW	8,215	120	53	S	ABCD
W2PAU	4,592	100	41	S	ABD
KC2BMA	1,850	50	37	S	AB
KB2WQM	1,617	47	33	S	ABD
N2JVQ	918	54	17	S	B
KF2YX	784	47	16	S	ABD
KC2AZU	300	25	12	S	AB
KC2AZT	80	10	8	S	D
KB2TIS	8	2			

Western New York					
K8ZES	68,766	418	157	S	ABD
AA2GF	33,948	213	23	S	ABCD
N2ULL	27,006	206	83	S	ABCD9EF
NJ2L	3,535	62	35	S	ABCD9EF
W2WGL	2,652	71	32	S	BD
KB2VGH	2,600	75	26	S	ABD9E1P
KB2YCL	1,518	69	22	S	ABD
KG2NI	1,500	98	12	S	ABD
W2IC	1,498	75	16	S	ABD
WA2ZNC	1,174	22	22	S	ABCD
KB2NFS	770	56	10	S	BCD
K2PAM	570	44	10	S	ABD
N2XTX	(+W2DRZ,N2ODU,N2YZ,K2EY,K2SR,W2UCZ,N2YCW,N3YVG)				
	506,115	1164	345	M	ABCD9EFH1
N2PA	(N2KG,N2YB,N2JQR,W3OAB,N2OPW,W7G,ops)				
	422,823	993	291	M	ABCD9EFG1JP

Western New York					
KB2DMK	(N2HLT,NS9E,N2JDQ,N2HQW,WA2IZL,KC2ATB,WA2BPE,KB2PVZ,ops)				
	264,450	853	246	L	ABCD
N2JM	(N2WVK,AA2SP,ops)				
	77,480	414	149	L	ABCD
N2VO	(+W2FZ)				
	1,914	54	33	L	ABD

Delaware					
W3OP	117,012	438	196	S	ABCD9EFG
W43WV	72	7	83	S	B
WB3ZT	3,294	122	27	S	B
W3HZW	(KE3UY,N3FZP,N3YVT,K0LW,N3YFR,N3YMS,KA3JJO,N3RAE,J3ULT,N3SE,ops)				
	16,235	168	85	L	ABD

Eastern Pennsylvania					
WA2FGK	(K2LNS,ops)				
	219,198	663	238	S	ABCD9EFG
WA4GPM	72,144	347	167	S	ABDCE
K3HZO	49,416	328	116	S	ABDCE
K3GNC	27,692	219	92	S	ABCD
W3S2	8,342	138	43	S	BDE
8KASZAT	5,076	108	47	S	AB
W3TP3	4,800	100	48	S	A
WA3CSP	4,368	91	48	S	A
N3JNX	3,560	74	40	S	ABD
KB3K	1,577	59	19	S	BDE
N3TBB	1,449	63	23	S	AB
N3YXX	1,170	41	26	S	ABCD
N3TLJ	294	24	14	S	AB
WA3KFT	40	8	4	S	ABD
K3MQH	(+AI3M,K3JFL,K3MM,K3RA,N3EYB,N3KTV,W3SST,WG3E)				
	988,875	2047	375	M	ABCD9E1J
W3CCX	(AA3GN,K1DS,K2UT,K3ESJ,K3LIC,KF6AJ,KU3T,N3SCJ,N3DG,N3EV,N3EXA,N3ITT,N3NGE,N3OZO,N3NM,N3J,W3S2,W3JZK,W3GD,W3R3W,WA1YHO,WA3NUF,WA3RLT,WB3JYO,W3FW,WU3C,K3MFI,ops)				
	984,750	1822	375	M	ABCD9EFGHJ
K3YTL	(K3MKZ,KB3QI,KA3EEQ,KA3ZHT,KE3OA,N3FA,N3TKK,N3PBH,N3RN,W3DZH,WB3FAA,WB3FKQ,ops)				
	609,246	1454	306	M	ABCD9EFGHJ
N3ADC	(+N3ZK,N3ZXQ,K1EX)				
	26,643	233	83	S	ABCD9E
N3WDX	(+N3TZW,N3XTG,N2RZT)				
	7,344	144	51	L	AB

Maryland-DC					
K1RZ	289,044	848	252	S	ABCD9EF
N157	115,730	650	117	S	AB
N3HBX	76,653	455	153	S	ABCD
N3ZT2	14,720	183	80	S	ABD
KA3TCC	10,780	143	70	S	ABD
WA4VHF	8,505	75	35	S	EF
K1NV	4,717	89	53	S	AB
N3BVG	4,512	84	48	S	ABD
N3UMA	4,326	42	23	S	AB
W3GN	1,113	53	21	S	AB
WA4PRR	1,029	47	21	S	ABD
N3SOK	650	45	13	S	ABD
N3VOP	324	43	6	S	BDE
K3UAL	300	30	10	S	A
KB3CGD	60	5	4	S	E
WB3KDB	16	8	2	S	B
W8TLJ	69,112	322	163	Q	ABCD9E
W3P	(+KF3FT,K3MLA,W3NBL,WA3TID,WG3R,N6DBP,K3HH)				
	210,897	809	219	L	ABCD

Western Pennsylvania					
N03I	36,784	229	121	S	ABDCE
N3FYD	34,086	221	114	S	ABDCE
KA3SDP	17,334	171	81	S	ABD
AA3GM	12,665	126	85	S	ABCD9E

W3HH	5,130	87	54	S	ABD
WA3TLT	4,590	87	51	S	ABD
WA3LTB	3,848	104	37	S	B
W3ZA	432	24	18	S	AB
N3WAV	150	15	10	S	A
KB3AFT	4,048	90	44	Q	ABD
WB9WQ	56	8	7	Q	AB
W8L	2	2	2	Q	AB
W3YOZ	(+KA3EJ,K4VY,K3CEK,KC4ATS)				
	60,344	347	152	L	ABCD
N3PUR	(+N3NWN,K3MD)				
	9,548	154	62	L	AB
N3IPS	(+N3KTA,N3BXU,N3XSU)				
	924	39	21	L	ABD

Alabama					
KD4FZN	11,316	138	82	S	AB
KM4ZL	4,960	80	62	S	A
NA4J	4,503	79	57	S	A
K4GSK	2,080	52	40	S	A
K4IZN	1,672	44	38	S	A
KD4ZO	837	31	27	S	A
N4IDX	(KD4MQA,K4EKW,KD4AMG,KF4UJM,NBMHC,ops)				
	11,445	307	135	L	AB
KS4YT	(+KV4T,KF4SAY,KF4ALD,KF4HIC)				
	40,180	267	140	L	ABD
NN4C	(+KV4T,KF4DGS)				
	140	14	10	L	B

Georgia					
W4KXY	72,027	429	159	S	ABD
KD4K	50,901	334	141	S	ABCD
KD4HLG	36,725	281	113	S	ABCD
K4PI	15,345	165	93	S	AB
K4BAI	11,583	143	81	S	A
K4BI	5,200	100	52	S	A
NA4YP	4,611	85	53	S	ABD
WB4AYN	3,195	71	45	S	A
NY4F	1,092	39	26	S	ABD
N6ZE/4	1,377	51	27	Q	AB
K4SZ	(+KT4XE,AE4GQ)				
	12,403	146	79	M	ABDCE
K4RF	(+K4EA)				
	170,640	677	237	L	ABCD

Kentucky					
KE4JFS	37,206	306	117	S	ABCD
WA4FYQ	27,648	202	108	S	ABCD9E
KE4ZT	5,750	90	50	S	ABDCE
AD8PZT	494	26	19	Q	A

North Carolina					
K4QI	29,072	218	92	S	BDE
W4FSO	16,020	152	90	S	ABCD9E
NA4PH	14,628	159	97	S	AB
N4TI	8,556	124	69	S	AB
W4VHH	7,332	88	52	S	BDEF
WA4IAM	6,976	109	64	S	A
AA4S	4,048	88	46	S	AB
W4PFM	3,520	80	44	S	A
KD4OFG	920	40	23	S	A
NA4AK	693	33	21	S	A
NA4YS	540	27	20	S	A
KU4HM	375	25	15	S	A
AA4ZZ	(+KZ5D,K4MQG,W4MW,W4VHF,WA4UN,AA4SC)				
	372,500	1089	298	L	ABCD
KV4I	(WD4PVE,AF4HX,NC4SA,KC4QPR,KF4TDY,KF4TZD,KD4LOA,ops)				
	21,752	555	204	L	ABCD
NG4C	(+N4ZW,W4K4QE)				
	60,030	400	145	L	ABCD
N4CM	(+KE4WUT)				
	35,310	316	107	L	ABD
WA4TC	(N3NFP,N3QYE,KF4ARS,KF4RDN,KF4RDR,KF4RED,KF4UQ,KF4YSN,N4ZSM,DL2JK,ops)				
	24,024	224	104	L	ABCD

Northern Florida					
WB2ZLP	78,684	455	166	S	ABD
NU4Y	41,529	327	127	S	A
W2BZY	39,386	246	132	S	ABDCE
AC4TO	27,702	243	114	S	A
W4UE	26,818	229	106	S	ABDCE
KA4DON	21,582	217	99	S	ABD
KE4YYD	10,143	133	63	S	BD
W1LR	3,577	69	49	S	ABDE
AK4P	1,900	50	38	S	A

South Carolina					
KR4QO	70,090	408	163	S	ABD
KF4JZH	20,055	191	105	S	AB
N2FY	9,344	128	73	S	A
N3WCM	6,300	92	63	S	ABD
WB2WEO	810	39	27	S	A
KD4ZMR	(+KD4TCA,KD4TCB,WA4PE,KE4JNY,KF4HIW,KF4VGY)				
	10,260	149	60	L	ABD

Southern Florida					
WD4MG	96,679	501	187	S	ABD
K2OY	52,029	367	141	S	ABD
WB2WH	32,208	239	122	S	ABCD
K0VXM	22,680	177	108	S	ABCD9E
K4NB	18,414	180	93	S	ABD
WA4UM	8,970	138	65	S	A
WA4ZR	6,695	100	65	S	ABC9
K4SC	5,182	89	58	S	AB
N1RT	4,949	101	49	S	AB
KF4FAJ	4,512	92	47	S	ABD
WA4OFS	2,176	47	32	S	ABCE
K4RS	2,052	57	36	S	A
KF4KSN	1,900	50	38	S	AB
W3DHN	775	31	25	S	AB
A4JY	672	32	21	S	AB

Tennessee					
N8UM	76,773	366	163	S	ABCD9E
NS4W	56,127	306	159	S	ABCD
NA4QO	49,880	277	132	S	ABD
KE4ULE	25,305	335	105	S	ABD
WB4ZUG	13,013	158	77	S	ABD
AD4F	9,516	145	61	S	ABD
KF4VAU	1,386	42	33	S	A
KC4VSN	945	35	27	S	A
AC4LS	609	29	21	S	A
ND4A	(+KD4PIJ)				
	10,062	129	78	L	AB
WA4UO	(WA4WX,W4NCW,W4AIRU,KF4MVH,KE4TVV,KF4LXL,KF4SJJ,KE4UIL,AF4JJ,KF4VXW,ops)				
	3,645	81	45	L	AB

Virginia					
K4RTS	67,497	312	151	S	ABCD9E

KN4SM	66,300	387	155	S	ABD
N4HB	57,200	328	130	S	ABCD9E
K4ZOO	52,934	321	133	S	ABDCE
N4HW	43,824	102	132	S	A
KH2CY	33,633	259	101	S	ABCD
AD4DG	31,464	214	114	S	ABCD9E
N4MM	20,504	216	88	S	ABD
K4FTO	18,040	183	82	S	ABCD
N4BG	14,532	171	84	S	ABD
K4ENE	6,264	98	58	S	ABD
KE4WFO	5,616	102	53	S	ABD
W4LTU	5,459	103	53	S	A
W2YE	4,641	91	51	S	A
AD4TJ	3,116	82	38	S	AB
KD4JXY	1,786	47	38	S	A
K4ME	560	40			

WB7OHF	3,612	77	43	S	ABCD
KF7JS	3,285	65	45	S	ABD
NE7X	1,764	63	28	S	A
WA7JTM (+N7AMA)	90,954	466	186	L	ABCD
KF7NP (+N8UI,KE7OT)	82,218	409	193	L	ABCD
WA7VHF (+KE7FC,KC8C,ops)	29,232	230	112	L	ABD
N7RST (AB7HD,W7AI,KK7HV,KC7FNK,N2MMA,ops)	8,694	120	63	L	ABDE

Eastern Washington					
N7AU	18,236	154	94	S	ABCDE
N3CEV	15,624	132	84	S	ABCD9EFGH
W7PQE	3,690	65	45	S	ABDE
W7PQE	3,440	80	43	S	AB
N7JGO	1,682	40	29	S	BCD
K7FCN	234	18	13	S	B
W6LPL	220	19	10	S	BC

W7FHH (+K7XWV)	27,666	199	106	M	ABCD9E
K7CW (+ops)	64,160	359	160	L	ABCD

Idaho					
WA0DYJ	40,080	319	120	S	ABD
KC7JY	25,228	238	106	S	AB
N7EJL	16,461	164	93	S	ABD
K7MAC	10,050	112	75	S	ABDE
W7ID	9,177	62	32	S	ABDE
KATJUL	9,141	86	53	S	AB
KB1IWW/7	1,938	57	34	S	A
WX7G	108	12	9	Q	A
K7TM (+N7LKA)	16,356	177	87	L	ABD

Montana					
WA7PDC	3,479	70	49	S	ABD
K7EB	910	35	26	S	AB
AB7VR	792	36	22	S	A
NA7L (+KC7HCR)	33,512	280	118	L	ABD

Nevada					
N7ICW	46,282	279	146	S	ABCD
K77O	7,440	116	60	S	ABD
W7PW	1,550	62	25	Q	B
N7LQ (+K7JI,KB7UJ,W07I)	108,528	464	204	L	ABDE

Oregon					
W7WE	44,450	318	127	S	ABD
N7DB	12,960	168	72	S	ABCD
N7YAG	6,045	130	39	S	ABCD9E
K17WB	4,900	98	50	S	AB
K7HSJ	3,145	70	37	S	ABCD9E
N7CNH	1,044	51	18	S	ABD
W7IY (+W5HVH,WB6FFC,N7MS,KB7RPM)	21,021	197	81	ABDE	
WA6KLL (+W06HDY,KD6LTB,KB7QFE)	14,760	136	82	L	ABDE

Utah					
WA7PXD	19,516	191	82	S	ABCD9E
NJ7A	16,038	177	66	S	ABCD9E
KA9LNP	14,755	188	65	S	ABCD9E
WA0YPL	486	27	18	S	AB
K17ST	328	29	8	S	BD
N7MLD	1,702	55	23	Q	ABCD

Western Washington					
KE7SW	29,750	240	85	S	ABCD9EFGH
W7SZ	16,170	178	70	S	ABCD9E
W7QED	7,880	157	48	S	ABD
K7ND	3,808	119	32	S	B
W1K1U	3,080	88	35	S	A
K7L7K	2,916	104	27	S	ABD
W3JPT/7	2,331	100	21	S	AB
K7JLP	1,428	68	21	S	AB
N7WLO	4,650	123	31	Q	ABCD
N7NGO	119	13	7	Q	BD
K7XD (+N0XX,K7ZL)	61,864	370	148	L	ABDE

Wyoming					
AB7JUQ	57,084	426	134	S	A

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Michigan					
K8MD	129,291	478	213	S	ABCD9E
K2YAZ	121,520	414	217	S	ABCD9E
K8YK	91,469	385	179	S	ABCD9E
N8CGY	14,758	147	94	S	ABCD
K8NFT	14,694	180	79	S	ABD
W8SGR	12,389	149	32	S	ABD
W8DOG	10,062	121	78	S	ABD
WB8TGY	6,413	78	53	S	ABD9EF
K8PNW	6,248	92	44	S	BDE
W8KUF	5,529	91	52	S	ABD
W8RLI	1,625	53	25	S	ABD
K8GMW	1,504	47	32	S	ABD
K8DRK	245	33	7	S	BD
W8M (+KC8DAZ,NE8I,WA8VPD)	298,368	655	259	M	ABCD9EFGHIJ
K8NNU (+N8PJP,N8IYD)	48,006	297	126	M	ABCD9E
K8XX (+K8GM)					
N8PVT (+K8CALA)	103,208	523	194	L	ABD
8,880	118	74	L	ABD	

Ohio					
WB8WZG	592,668	1160	326	S	ABCD9EFGHI
KE8FD	258,718	655	277	S	ABCD9E
K8TQK	124,821	397	207	S	ABCD9E
N8ZJN	87,400	388	184	S	ABCD9E
W8DJY	80,264	508	158	S	A
W8BRJF	56,322	272	149	S	ABCD9EF
K8C8SD	37,539	251	129	S	ABD
W8ANS	21,210	186	101	S	ABDE
K8YRKR	11,322	141	74	S	ABD
K8BUHY	9,576	136	63	S	ABD
K8MR	7,260	95	60	S	ABCD
K8BUJZ	6,431	109	59	S	AB
A8BWJ	5,600	100	56	S	AB
N8YSF	3,942	73	54	S	AB
K8BJVH	2,738	74	37	S	B
W1FEZ	2,553	56	37	S	BD
W8SA	2,400	60	40	S	ABD
K8BYMN	1,674	51	31	S	ABD
W8PLZ	1,421	45	29	S	ABD
K8SZG	1,368	57	24	S	B
KE8TQ	1,290	43	30	S	AB
K8CFI	416	24	13	S	BD
W8ILH	280	20	14	S	AB
K8C8ZQ	204	17	12	S	B
N8XA	15,604	157	83	Q	ABCD9EI
N9AG (+N8NR)	93,104	529	176	L	AB

KC8AAV (+N8MWW,KI8CA,KC8HKL,KA8LGK,N8UUV,KB8LPW,KC8HXQ,KC8IFE,KB8YPU,KB8JUD,ops)	24,948	207	108	L	ABDE
KC8AKI (+K8CFHX)	9,211	147	61	L	ABD

West Virginia					
N8XUR	42,320	296	115	S	ABCD9E
WB8T	37,905	248	133	S	ABCD
WB8TFV	12,136	146	74	S	ABD
K8UC	11,935	122	77	S	ABCD9E
N3IWI	5,096	98	52	S	AB
WA3HQK	4,214	80	49	S	AB
WB8BEL	1,519	49	31	S	A
W3TMZ/8	560	21	16	S	BDE
K8GP (K1RA,W3ZZ,K3LFO,W3CMP,N4UK,W4XP,KM5FA,K6LEW,W8BISK,ops)	967,992	1688	424	M	ABCD9EFGHIJ
KC8ERC (+K8GBWK)	8,073	117	69	L	AB

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Illinois					
N2BJ	280,575	863	261	S	ABCD9E
K2DRH	114,460	590	194	S	ABD
WB8XD	89,244	465	184	S	ABCD
WB9UWA	61,600	331	160	S	ABCD
W9IIX	53,793	344	129	S	ABCD9EF
W9VA	28,638	254	111	S	ABC
N9OBE	25,312	224	113	S	A
N9WRO	24,300	177	90	S	ABCD9E
K9EIF	19,500	189	100	S	ABD
W9SE	7,497	119	63	S	A
N9TZO	6,760	104	65	S	AB
N9WKW	6,600	107	60	S	ABD
W09S	5,858	101	58	S	AB
W9SISG	4,270	95	35	S	BD
W9BW	1,700	50	34	S	AB
KB9MLA	848	53	16	S	B
AA9UC	256	16	16	S	A
N9VJO	135	20	5	S	BD
W9GKA	22,515	226	95	Q	ABCD
AA9D (+AA9IL,K9PW,N8KW,N9KC,N9OGU,N9THC,W9CA,W9RM,WB9EA,W9KHE)	1,098,240	1845	429	M	ABCD9EFGHIJ
N9LAG (+KB9QKL,KB9QR,N9JG,N9KJ,W9FX)	162,632	619	232	L	ABCD
KB9KCJ (+KB9MCC,KO2R)	23,920	210	104	L	ABD
N9XKH (+KB9MJG)	9,522	128	69	L	ABCD

Indiana					
KB9NKM	28,726	271	106	S	AB
AA9LT	24,624	208	114	S	ABCD
N8LUX	12,551	149	77	S	ABD
N9RYZ	10,857	141	77	S	AB
N9WDBR	10,374	127	78	S	ABCD
W9ESU	5,778	84	54	S	ABDE
N9KZJ	5,104	88	58	S	AB
KB9OBE	1,734	51	34	S	AB
K9FQ	805	35	23	S	A
KC9RG	12	4	3	Q	B

Wisconsin					
K9KL	125,132	476	218	S	ABCD9E
W9FX	96,336	420	169	S	ABCD9E
W9JN	83,106	461	171	S	ABC
N9LLT	40,250	287	125	S	ABCD
N9JR	27,615	214	105	S	ABCD
W9NFL	26,703	200	129	S	ABCD
N9UBS	22,000	190	110	S	ABD
K9FYZ	21,879	221	99	S	A
N9DZ	15,748	161	61	S	AB
W9SLZ	12,035	145	83	S	AB
WA9PWP	11,050	130	85	S	AB
W9PHJ	9,408	138	64	S	ABD
KB9PCU	8,760	120	73	S	AB
AF9J	6,864	83	66	S	ABCD9E
W9YCV	3,965	77	47	S	ABD
KB9IOR	2,965	63	47	S	ABD
WA1UJ/J9	1,610	70	23	S	B
N9NDP	1,196	46	26	S	AB
N9TD	1,053	37	27	S	ABD
K9OSH	884	33	26	S	ABD
N9QZD	864	29	24	S	ABDE
W9X7	620	31	22	S	AB
KB0LGB	546	26	21	S	AB
KB9PCW	9,514	132	67	Q	ABD
W9UC (+K0GJX,N0AKC,N0UR)	291,312	917	289	L	ABCD

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Colorado					
K0GU	287,749	1089	259	S	ABD
W0GAL	142,202	708	194	S	ABCD9EI
K7VNU/0	43,560	359	121	S	ABC
W0RQJ	6,369	101	69	S	AB
K0CS	4,720	80	59	S	A
W0SU	2,150	50	43	S	A
N3EUA	180	15	12	S	A
NN5DX/0 (+K5LLL)					
W0KU (+K0ASZ,N0WVW)	59,153	368	149	M	ABCD9
43,250	308	125	M	ABCD9E	
W1XE (+W0GAZ,K0CL,NA0US)					
369,672	1208	292	L	ABCD	
W0ETT (+K5CVII)					
73,080	411	174	L	ABD	
N0POH (+K0B0RX)					
15,834	173	78	L	ABCD	
K0YB (K0CY,KC0AMO,KA0DEH,ops)	4,368	87	48	L	ABCD

Iowa					
KA0Y	14,190	148	86	S	ABD
K0VSV	14,062	146	89	S	ABD
W0DFOY	11,340	126	90	S	AB
N0SPP	9,628	116	83	S	AB
W0VAN	8,004	116	69	S	A
K0ZKK	2,268	54	42	S	A
K0MQS (+N0K)	9,350	170	55	L	B

Kansas					
N0LL	202,386	723	267	S	ABCD9E
W0QP	130,620	547	209	S	ABCD9EHI
N0KQY	65,620	358	170	S	ABD
W0EKC	58,028	280	178	S	ABCD9E
KA0MR	51,359	281	161	S	ABDE
N0UU	11,223	129	87	S	AB
AB0DP	7,957	109	73	S	A
W0RT	3,773	73	46	S	ABD
N0TQU	700	28	20	S	AB
KA0EIC	468	26	18	S	A

K0LLS	450	25	18	S	A
N0JK	6,762	98	69	Q	AB
KC0AHN (KB0YHU,NSCLU,KB0YHT,ops)	40,326	298	141	L	ABDE

Minnesota					
WA8BWE	143,668	598	196	S	ABCD9EFGH
KB0VUK	56,364	316	154	S	ABCD
K0MHC	45,360	301	144	S	ABD
W0AUS	44,671	288	131	S	ABCD9EJ
WA2HF/0					