

# Results: North American QSO Party CW — January 2020

## No Sunspots? No assistance? No Amp? No problem!

January's running of the North American QSO Party, CW saw a slight increase in submitted logs compared to last year, with 1146. Ten meters was effectively a bust for everyone, and the QRN was pretty unruly for a large part of the country on the low bands, thanks to some substantial storms. A common notion regarding the NAQPs is that the 100-W power limit levels the playing field, although some caveats apply. Top scorers in any contest are, of course, aided by effective antenna systems; nobody with a dipole at 35 feet wins a

contest facing a K3LR-level antenna field. What the low power limit *does* is to make it easier for the station running a dipole at 35 feet to still make a lot of contacts and have a lot of fun. This is important to remember when looking at overall participation and the fun factor in a contest. The NAQP rules strike a great balance between getting modest stations on the air and maximizing scores for the top-tier stations.

Local and regional contest clubs are great at promoting activity. The competition between clubs and teams is a great way to add excitement and, perhaps, help ops to stay in the chair

a little longer. There's been a bit of discussion about adding an assisted class to the NAQPs. Currently anyone using assistance is reclassified into the M2 category. This year the discussion was more passionate than usual, at least for



AJ6V operating the NAQP CW in January.

## Top 10 (Fewer than 30 band changes)

Call Sign	Score	QSOs	Mults	Section	Bnd Chgs
N4BP	286,281	1383	207	FL	4
K8IA	247,357	1243	199	AZ	7
W7CXX	219,651	1041	211	UT	8
K5CM	207,570	1122	185	OK	10
WØRIC	194,560	1024	190	AZ	5
K9NR	186,345	909	205	IL	19
W2GD	177,813	859	207	PA	16
KØSN	177,792	926	192	MT	19
W4WF	177,560	965	184	FL	21
N5M	172,640	1040	166	TX	3

## Single Operator Top 10 Breakdowns

Call Sign	Score	QSOs	Mults	160	80	40	20	15	10
N2IC	466,284	1911	244	100/35	303/53	597/57	655/58	256/41	0/0
NO6T (K16RRN)	421,357	1763	239	92/33	262/47	500/58	598/56	307/43	4/2
N6WIN (N6MJ)	384,208	1628	236	75/28	313/52	517/57	463/56	257/40	3/3
N9RV	327,150	1454	225	109/36	256/48	427/54	540/55	121/31	1/1
N4AF	300,249	1371	219	108/37	411/49	463/57	329/54	60/22	0/0
N5AW	292,365	1335	219	112/39	221/43	421/56	485/50	95/30	1/1
KØRF	289,224	1339	216	154/42	227/48	358/51	539/49	60/25	1/1
N4BP	286,281	1383	207	39/17	281/48	391/56	564/55	108/31	0/0
KØEU	285,776	1348	212	101/34	251/49	398/51	531/54	66/23	1/1
K5TR (K5OT)	276,660	1305	212	70/34	159/42	400/51	528/51	146/33	2/1

## Single Operator QRP Top Five Breakdowns

Call Sign	Score	QSOs	Mults	160	80	40	20	15	10
KE3X	99,015	615	161	74/27	201/43	150/44	150/32	37/13	3/2
N7IR	72,419	521	139	26/12	43/14	167/40	142/47	143/26	0/0
W6JTI	66,234	498	133	23/8	55/14	149/42	206/43	64/25	1/1
N8NA	33,950	350	97	65/24	190/39	88/29	7/5	0/0	0/0
N5OE	33,060	290	114	31/16	71/34	67/32	109/28	12/4	0/0

## Multi-Two Breakdowns

Call Sign	Score	QSOs	Mults	160	80	40	20	15	10
W2FU	539,957	2101	257	312/49	689/60	644/62	362/57	93/28	1/1
K5RM	502,634	2090	242	305/47	709/60	552/63	444/57	67/15	0/0
N5ZO	451,680	1885	240	117/28	264/54	618/60	606/59	275/38	2/1

the CW contest. The NAQPs are very clearly thriving with the current set of rules. Adding an assisted class would change the dynamic of the contest. I encourage clubs that are aggressively pushing for change to look at how the current rules can help club members. I looked at the mission statements of the big three contest clubs in the US. The YCCC, PVRC, and FRC all clearly define themselves as clubs actively trying to improve their members' operating skill sets. The NAQPs align nicely with this approach.

### Single Operator

Steve, N2IC, put on another clinic in how to operate the NAQP CW. With 1,911 QSOs this year, Steve broke the all-time QSO record he set last year by six contacts. Winning any contest is hard, but staying on top year after year is so much harder. Congratulations to Steve for showing us how it's done. I predict someone will break the 2,000-contact "barrier" in January 2021.

Operating as NO6T, Axel, K16RRN, came in with a huge 2nd place score from California. This appears to be the first NAQP CW contest in which a single operator broke 300 QSOs in an hour. Axel now holds the rate record with 309 QSOs in 60 minutes. Steve, N2IC, also broke 300 QSOs in 60 minutes with 302 QSOs. These guys are really, really good! It is hard to understand how difficult 2BSIQ (2-Band Synchronized Interleaved QSOs) is without experiencing it for yourself. 300+ QSOs an hour with 100 W is first-class operating. In 3rd place was Dan, N6MJ, operating as N6WIN from the newly minted N6WIN station in Arizona. This was the inaugural contest for the station, and I expect we will see some big scores out of there as the towers start filling up with large Yagis. Sometimes being north in this contest is a good thing as the east/west propagation on the high bands can be a huge advantage. Not so this year, as things definitely favored being south. Pat, N9RV, suffered through some strange propagation to come in with a great 4th place score from Montana. The rest of the top 10 was very close, and 10th place was only separated by about 24,000 points from 6th place. N4AF, N5AW, KØRF, N4BP, KØEU, and K5TR all broke 1,300 QSOs and were very close on multipliers. N4BP in Florida came in with a great 8th place

### Team Scores

<i>1. Arizona Outlaws Bandits</i>	
N2IC	466,284
N6WIN	384,208
K8IA	247,357
K6LL	201,666
WØRIC	194,560
<b>Total</b>	<b>1,494,075</b>

<i>2. PVRC SO2R</i>	
N4AF	300,249
N4YDU	271,950
K7SV	242,556
NC4KW	197,010
K3MM	186,822
<b>Total</b>	<b>1,198,587</b>

<i>3. We Got The Funk</i>	
K5TR	276,660
N5RZ	251,472
K5PI	244,800
N5M	172,640
WQ5L	140,524
<b>Total</b>	<b>1,086,096</b>

<i>Team</i>	<i>Total</i>
4. SCCC #1	
5. Glory Hole Miners	
6. FRC - Team Chas	
7. Deep Dixie CC Team Elvis	
8. NCCC Team #1	
9. CCO #1	
10. SMC Team India	
11. W7SE MEMORIAL - 1	
12. Arizona Outlaws Bushwhackers	
13. KCCC Granfaloon	
14. NCC/MRRC Team 1	
15. NCCC Team #2	
16. SMC Team Hotel	
17. ACG Bama Regulars #1	
18. Deep Dixie CC Team Magnolia	
19. KCG FT	
20. Big Sky Contesters #2	
21. YCCC Flux 74	
22. Big Sky Contesters #1	
23. W7SE MEMORIAL - 2	
24. Bad Alibies	
25. Arizona Outlaws Desperados	
26. FRC - Two Land Short Calls	
27. SMC Team Golf	
28. KCCC Bootleggers	
29. SECC	
30. PVRC RAPPAHANNOCK 1	
31. SCCC #2	
32. W7SE MEMORIAL - 4	
33. Swamp Fox Delta Force	
34. Deep Dixie CC Team Cotton	
35. NCC/MRRC Team 2	
36. NCCC Team #3	
37. PVRC BLUE RIDGE	
38. Little Johnny-IBEX miners	
39. CCO #2	
40. MWA Aurora	
41. PVRC Northwest	
42. W7SE MEMORIAL - 5	
43. SMC Team Foxtrot	
44. YCCC 20-20 Sharpshooters	
45. NC East	
46. ACG Bama Regulars # 2	
47. PVRC RAPPAHANNOCK 2	
48. NCCC Team #4	
49. Camp Bird Miners	
50. PVRC DC Met/DC Lunch Bunch	
51. YCCC 55F in January	
52. MWA South # 6	
53. W7SE MEMORIAL - 3	
54. FRC Two Land Long Calls	
55. FRC - Three Land Short Calls	
56. Arizona Outlaws Hooligans	
57. TDXS	
58. SMC Team Bravo	
59. FRC - Three Land Long Calls	
60. TCG TANNEHILL	
61. MCC NB Boys	
62. SMC Team Delta	
63. NFR Hot Wings	
64. Champions of Life	
65. MWA South # 1	
66. YCCC Cycle 25 or Bust	
67. NCCC Team #5	
68. CanAm 2020	
69. Arizona Outlaws Mavericks	
70. SMC Team Echo	

<i>Operators</i>	<i>Total</i>
NO6T, N6TR, K6LA, AC6T, WN6K	1,052,412
KØRF, KØEU, WØUA, KTØA, WØETT	1,016,204
AA3B, K3WW, AA4LS, NW3Y, K3WJV	952,444
N4OGW, K5KU, ABØS, W5TM, KØWA	922,601
WD6T, K6MR, W7RN, N3ZZ, K9YC	877,940
VE3DZ, VE3JM, VE3VN, VE3EJ, VA3DF	873,872
W9RE, K9NR, WT9U, N9CO, N7US	798,183
NN7CW, WO4O, K5KG, N4KS, K4RUM	780,622
W7CXX, W6RW, N7CW, KB7Q, N7IR	753,005
K3PA, WBØSND, KØVBU, KØVXU, AAØFO	690,652
NA8V, W1NN, K3UA, N8AA, KN8CWO	633,954
W6YX, K6SRZ, N6US, KA6BIM, N6ZFO	622,987
K9CT, NSØR, N9SE, ND9G, WE9V	563,825
KG5HVO, N4OX, WA1FCN, N4KH, KR4F	556,434
KD5DD, N8BJQ, K4OQA, K4AFE, AA5W	495,783
W5MX, K4WW, K4FT, KE4KY, WE5P	477,671
N9RV, KJ9C, W7XT, AB5ZA	471,298
W1KM, W1FJ, VA2CZ, K1EBY	450,147
KØSN, K7QA, N7IP, NE4RD	433,171
W4WF, K8MR, NE8P, W4CU, AA8R	414,455
K5RT, K5CI, N1XS, K5ME, N5OE	414,009
AB7E, K7GA, WA7AN, K6WSC, W7CT	403,701
W2GD, K2TW, KE2D, N2RC	396,211
N9CK, KC9EE, W9XT, KK9N, N5RP	384,331
NWØM, KIØI, W5FMH, N7WY, NXØI	383,409
K4BAI, K2SX, W4AQL, AA4LR, WK4U	347,220
K4ZW, K4QS, N4CF, K4GM	340,807
K6NR, W6AYC, W6TK, W6ZL	335,303
N4BP, AA4TI, NA4CW, K4DZR, AAØO	318,581
N4IQ, NU4E, WN4AFP, NI7R, KG4IGC	304,270
ABØTX, NN5O, K3DMG, K8FU	296,187
K8BKM, K8RYU, K9NW, N8FYL, K8GT	275,249
AJ6V, W6JTI, K7XC, K6XX, WU6W	262,863
KØZR, N4RA, N1RM, HP1XT	255,278
K6XT, K7TD, KH6CJJ, NØKQ, KØGUZ	246,206
VE3NNT, VE3KI, VA3RKM, VA3EC	241,146
KØAD, KØMPH, NØAT, KØVG, KØPK	228,089
K3AJ, NA3D, K4FTO, N4ZR, K3EW	225,651
N4EEB, K4EJ, NN4TT, N4NSS	220,436
NY3A, WD9CIR, WT2P, WW9R	218,354
K1TR, WA1Z, W1UJ	217,601
N4CW, K4QPL	201,535
N2NL, N4NM, NF4J, W4NBS	177,966
N2YO, WS6X, K4IA	166,503
K9JM, K6MM, W6FA, W6FB, WU6X	163,303
WØZA, WY7FD, WC7S	156,508
KE3X, K3KU, K3TN	153,311
W1PY, N2AN, W1TO	153,240
KØMD, K4IU, WØSHL	151,361
K4NMR, K3SV, KM4HI, KN4Y, KW1K	151,162
WA2FZB, K2RET, WA2CP, W2LCQ, K2RNN	148,751
NY3B, K3PP, K3HW, NE3I	144,351
N9NA, AA7V, W9CF, KF7U, KE6K	143,789
KØNM, K5GQ, WB5TKI, K5IZO	131,490
K9GS, N9WG, K9QQ	130,381
W3WHK, WA3AAN, W3RGA, K3SSS	128,129
K8PO, W4O, K4AMC, K3FH	126,400
VE9AA, VE9CB, VE9OA	124,140
WB9HFK, KC9K, K9GY, K9DUR, K9LA	123,208
K2NV, N2CU, K2QB	123,067
WA8ZBT, K5AX, W8OV, N5UI	121,457
KØTT, KIØF, KBØEO, KBØNES	119,616
K1RO, WO1N, W1WEF	119,150
K6RIM, N3RC, KE6QR	114,494
VE3MGY, W1CTN	113,965
K7HP, KY7M, K7JQ, KC7V	112,750
K9CW, W9QL, KD9MS, KT9L	107,268

score with one radio and only four band changes.

### QRP

This year saw the return of Ken, KE3X, to the QRP category. Ken set the all-time QRP record in 2014, and he came away with a commanding win this year with an almost entirely search-and-pounce effort. Sometimes running QRP works well, and sometimes it does not. Ken found lots of QSOs by tuning around, and it paid off. In second place was Gary, N7IR, who swaps positions every year with Frank, W6JTI.

### Multi-Two

The team at W2FU added another win to its already impressive list, managing 24 QSOs and 15 multipliers more than 2nd place finishers K5RM. Third place goes to N5ZO in California. The battle between K5RM and N5ZO was very close for a long time until the low-band advantage pushed K5RM solidly ahead. The top-scoring multioperator teams are using every tool available to them to log as many contacts as possible. The multioperator teams were watching the live scoreboards closely, and the real-time competition keeps them all pushing hard. The scoreboards add a very different psychological element into contesting that can be polarizing. Love them or hate them, these provide a great way to keep an eye on your friends in a contest when you are not able to get on yourself.

71. MWA South # 9	KØPC, KAØPQW	92,170
72. NCC/MRRC Team 3	ND8L, AB8OU, NF8M, N8SBE	89,237
73. KCG PT	KM4FO, KM4CH, K4AVX, K9GX	88,735
74. PVRC SW VA	K4ORD, W4YE, N3KN	87,276
75. Boiled Owls	K2QMF, K2RB, N2GA	85,554
76. NFR Red Hots	W2RR, AG2AA, K2ZR/4	78,721
77. YCCC Sunspot Worshipers	K1IB, W1JQ, W1DYJ	78,481
78. PVRC LAUREL	AA3S, AD5XI, N3XL, K1BZ	78,265
79. TCG VRABEL	K3IE, K4RO	77,548
80. Smuggler-Union miners	AD1C, NOØT, KFØUR, W7WM	71,479
81. Driftless Zone Contesters	WT9Q, W9ET	67,150
82. Good Night Irene	KD2KW, WA5LXS, K5GA, NA5W, WBØTEV	65,997
83. The Braille Team	W3IUU, K5XU, KB8TYJ, KW3A	63,502
84. MWA Borealis	KØJP, KA8HDE, AAØAW, W6GMT, WØAAE	63,081
85. Team Scrubs	K5NZ, K5MXG	62,946
86. PVRC Colonial Capital	W3TB, K4MI, K8LF	62,928
87. NPARC Continuous Wavers	KC2WUF, K2YG, K2AL, KB2FCV, K2GLS	62,893
88. SCCC #3	KF6I, N6GP, N6VOH, NC6Q	62,742
89. GM Argo Miners	WØMU, NØOJ	62,664
90. Cornwall	K3MSB, KA3D, N3RM, K19S/8	61,600
91. NCCC Team #7	AD6E, KA6W, K6DGW, W6RKC	60,814
92. CCO #3	VE3MA, VE3SST, VE3FH	60,668
93. SMC Team Charlie	K7JOE, W8LVN, N9DR, KW9U	58,836
94. TCG HENRY	AB4GG, KEØL, KS4X, K4TZ	53,235
95. Shenandoah Valley Wireless	W4PJW, K2HYD, K4PZC	51,683
96. Swap Fox Rangers	KS4YX, K7OM, N4XL	50,299
97. MCC The Other Guys	VA1MM, VO2AC	46,162
98. MWA South # 7	NØHJZ, NØECK, NØUR, NGØC	45,327
99. NCCC Team #6	K6GHA, K6CSL, NN7SS	44,827
100. NCC/MRRC Team 4	KC8J, W8RU, W8WTS, W8KNO	44,787
101. MWA South # 4	K9DU, NØBK	39,676
102. Bristol Thunderstorm	AA4DD	36,252
103. Metro DXers	WA9LEY, K9PMV	33,640
104. SCCC #4	N6CW, NE6I, N6AA, KI6VC	31,277
105. Flying Iguanas	NØAX, AI2N, WS9V, W9IZ	29,055
106. SMC Team Alpha	WB8RFB, NG9R, KC9YL, KC9EOQ, AF9J	24,763
107. MWA South # 10	KZ9V, KB9S	21,397
108. I-Guana Rock and Roll All Night	AJ9C	7,375
109. Pueblo West Amateur Radio Club	NEØDA, WØOJW	5,956
110. MWA South # 5	WØZF	4,995
111. PVRC Annapolis/Eastern Shore	W3TAS, W3FA	4,601
112. MWA South # 8	WØMN	2,666
113. QRP NUTS	W9ILF	750
114. MWA South # 2	NYØV	418



N6MJ at N6WIN.

### Single Operator Scores

Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH
K1TR	192,738	1059	182	NH	AF2F	7,869	183	43	NJ	W7IGC	100	10	10	MD
W1KM	184,400	922	200	MA	W2TB	7,616	136	56	NY	KG3V/M	12	4	3	MD
K1VUT	139,776	832	168	MA	N2GA	7,100	142	50	NY	*KZ3I	9	3	3	PA
W1FJ	109,373	671	163	MA	AI2N	6,077	103	59	NY	W3FA	0	0	0	MD
W1SJ	85,625	625	137	VT	W2DXE	4,944	103	48	NY	N4AF	300,249	1371	219	NC
W1PY	77,400	600	129	MA	KB2FCV	4,042	94	43	NJ	N4BP	286,281	1383	207	FL
K1EBY	63,684	522	122	CT	AK2S	2,940	84	35	NJ	N4YDU	271,950	1295	210	NC
K1RO	62,496	496	126	NH	K2GLS	2,135	61	35	NJ	K7SV	242,556	1189	204	VA
KB1W	56,375	451	125	MA	WB2WPM	1,904	68	28	NY	NN7CW	213,244	1198	178	FL
N2AN (WC4E)	48,708	396	123	MA	K2SDS	1,624	58	28	NJ	NC4KW (N1LN)	197,010	990	199	NC
N1C (W1QK)	45,760	440	104	CT	WB2KWC	1,188	44	27	NY	W4WF (@N4WW)	177,560	965	184	FL
K1IB	39,326	371	106	VT	W2YK	580	29	20	NY	WO4O	172,203	941	183	FL
WO1N	33,904	326	104	MA	WA2ALY	320	20	16	NJ	K4ZW	168,149	929	181	VA
W1JQ	30,780	285	108	CT	W2CG	240	20	12	NJ	AD4EB	166,680	926	180	TN
W1TO	27,132	266	102	MA	*WA2NYY	140	14	10	NY	AA4LS	159,692	962	166	NC
*K8CN	26,535	305	87	NH	KC2TVJ	80	10	8	NY	K5KG	157,884	892	177	FL
K1VMT	24,932	271	92	VT	AA3B	266,823	1289	207	PA	W5MX	155,112	843	184	KY
W1WEF	22,750	250	91	CT	K3WW	260,889	1311	199	PA	KG5HVO	154,682	869	178	AL
W1EQ	20,737	233	89	CT	K3MM	186,822	963	194	MD	WW4XX (LZ4X)	149,400	830	180	GA
NB1N	17,466	213	82	MA	W2GD	177,813	859	207	PA	N4EEB	149,118	857	174	FL
*N1IX	17,302	211	82	NH	NY3A	151,536	902	168	PA	N4KS	142,623	897	159	FL
WA1Z	16,458	211	78	NH	NW3Y	146,294	758	193	DE	K4BAI	141,696	864	164	GA
W3SM	13,616	184	74	MA	K3UA	139,920	795	176	PA	N4OX	134,332	781	172	FL
W1END	12,312	162	76	NH	K3AJ	134,328	772	174	MD	KØZR	127,140	780	163	VA
K1MD	10,944	144	76	RI	K3WJV	118,746	733	162	PA	N2NL	126,636	732	173	AL
K1SM	9,976	172	58	MA	*KE3X	99,015	615	161	DC	N4CW	123,670	745	166	NC
AJ1DM	9,765	155	63	RI	NY3B	94,380	572	165	PA	K8MR	123,532	694	178	FL
W1CTN	9,715	145	67	CT	K2XR	85,956	494	174	PA	WA1FCN	110,722	667	166	AL
AB1J	9,568	184	52	MA	WY3A	82,654	578	143	PA	N4OO	110,208	672	164	GA
N1CGP	8,640	135	64	ME	W3KB	80,080	520	154	PA	K4WW	108,558	666	163	KY
W1UJ	8,405	205	41	MA	WK2G	68,229	513	133	PA	N4IQ	108,320	677	160	SC
W1DYJ	8,375	125	67	ME	NC3Y	52,479	441	119	MD	KE4Q	107,393	751	143	FL
K1QO	5,148	99	52	NH	W3WHK	47,112	453	104	PA	N6AR	104,248	628	166	FL
N1YL	4,794	102	47	MA	K3KU	46,980	405	116	MD	K2SX	100,200	668	150	SC
K1SEC	3,872	88	44	MA	NB3I	43,164	396	109	PA	W4AQL (KN8U)	95,760	720	133	GA
*W1UU (KK1CWO)	3,864	84	46	MA	K3WI	39,211	347	113	DE	K4FT	94,401	617	153	KY
KC1ERO	3,570	85	42	CT	WA3AAN	38,831	377	103	PA	NU4E	90,117	589	153	SC
KG1V	3,510	90	39	NH	*N8NA	33,950	350	97	DE	N4UA	86,424	554	156	VA
AE1P	2,870	70	41	NH	K3PP	33,810	294	115	PA	N4KH	82,218	579	142	AL
W1VIV	2,409	73	33	MA	AA3S	31,458	294	107	MD	K4OAO	82,044	636	129	TN
N1MW	1,500	50	30	NH	W3RGA	30,636	333	92	PA	K4AFE	79,350	575	138	TN
K1LHO	1,352	52	26	CT	K3MSB	28,141	263	107	PA	K4QPL	77,865	537	145	NC
K1PDY	1,020	34	30	NH	WA3FAE	27,552	328	84	MD	K4QS	77,348	634	122	VA
W1MJ	984	41	24	MA	W3IUU	21,669	233	93	MD	K4NMR	77,184	603	128	FL
N1SP	975	39	25	VT	N4ZR	19,550	230	85	MD	KR4F	74,480	560	133	AL
W1ZFG	360	24	15	CT	AD5XI	18,469	253	73	MD	KE4KY	73,580	566	130	KY
N1NN	270	18	15	MA	N3XL	17,850	210	85	MD	K3IE	69,036	523	132	TN
N1AM	150	15	10	MA	KA3D	17,520	219	80	PA	N2YO	63,111	579	109	VA
K2TW	128,289	861	149	NJ	W3PNM	17,280	216	80	PA	N4CF	60,750	450	135	VA
K4RUM	94,668	644	147	NY	K3WU	17,010	210	81	PA	NE8P	59,998	458	131	FL
K2QMF	67,962	482	141	NY	K3HW	15,225	203	75	PA	WS6X	59,940	444	135	VA
WA2FZB	67,164	579	116	NJ	K3MD	15,120	216	70	PA	KM4FO	58,826	439	134	KY
K2NV	66,582	486	137	NY	N3RM	12,489	181	69	PA	K8PO	58,116	501	116	AL
KE2D	62,464	512	122	NJ	AG3I	12,127	181	67	PA	N1RM	57,715	485	119	VA
KR2AA	54,855	477	115	NY	AB3SX	11,620	166	70	MD	ND4Y	56,950	425	134	KY
W2RR (NS2N)	41,769	351	119	NY	K3SSS	11,550	165	70	PA	WN4AFP	53,001	453	117	SC
NA3D	38,390	349	110	NY	K1BZ	10,488	152	69	MD	WE5P	46,020	390	118	KY
K2RET	35,860	326	110	NJ	NF3R	9,639	153	63	PA	W4O (WF7T)	45,240	390	116	TN
N2UU	35,340	372	95	NJ	K3CT	8,255	127	65	PA	K4ORD	44,800	350	128	VA
N2CU	30,900	300	103	NY	K3TN	7,316	124	59	MD	K4IA	43,452	426	102	VA
WA2CP (KC2GOW)	29,767	289	103	NY	NR3Z	6,300	126	50	PA	KK4R	41,515	361	115	VA
N2RC	27,645	291	95	NY	*K3WWP	6,016	128	47	PA	K4HQB	40,136	346	116	VA
K2QB	25,585	301	85	NY	K3FH	5,720	110	52	PA	W4MYA (W4PM)	39,480	420	94	VA
KC2WUF	22,440	255	88	NJ	W3WTD	5,580	124	45	MD	K3SV	37,129	347	107	FL
*N2WK	22,428	252	89	NY	W3TAS	4,601	107	43	DE	AA4DD	36,252	318	114	TN
WA2JQK	21,836	206	106	NY	KW3A	4,420	85	52	PA	NN4SS	36,079	331	109	SC
AG2AA	19,402	218	89	NY	K3EW	3,744	96	39	MD	W4CU	35,984	346	104	FL
N2HMM	19,383	213	91	NJ	KE3ZT	2,288	88	26	PA	K4EJ	35,880	312	115	FL
*K2YG	19,228	253	76	NJ	KI3F	1,652	59	28	PA	K4GM	34,560	360	96	VA
W2LCQ	15,696	218	72	NY	N3JNX	1,200	40	30	PA	WN7S	33,681	327	103	VA
K2AL	15,048	209	72	NJ	*WR3R	1,080	45	24	MD	N4NM	32,046	294	109	AL
W2JV	14,850	198	75	NY	*KW2A	1,026	38	27	MD	KM4HI	31,473	269	117	FL
W2RQ	13,456	232	58	NJ	NE3I	936	39	24	PA	W4PJW	31,360	320	98	VA
W2AAB	12,272	208	59	NJ	K2EJ	798	38	21	MD	NI7R	30,488	296	103	SC
WB2NFL	11,407	187	61	NY	K3RMB	308	22	14	PA	K4FTO	29,639	277	107	VA
W2NO	11,328	192	59	NJ	N3AM	280	20	14	MD	K1DC	29,344	262	112	AL
KS2G	10,988	164	67	NY	*KA3TTT	270	18	15	PA	W4SPR	26,790	285	94	FL
K2RB	10,492	172	61	NY	K2RNN	264	22	12	PA	W4UT	26,611	299	89	TN
W2QL	8,100	135	60	NY	KF3G	260	20	13	PA	W3TB	25,920	320	81	TN

Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH
W4SNF (VE3AYR)	25,899	267	97	FL	K4DZR	3,780	90	42	FL	W5TTE	12,870	195	66	NM
W4YE	25,338	246	103	VA	NR4O	3,608	88	41	NC	WA5LXS	12,802	173	74	TX
KM4CH	25,200	300	84	KY	K4JAZ	3,486	83	42	AL	N9NM	11,718	189	62	TX
*N7RCS	23,668	244	97	FL	K4AL	3,280	82	40	TN	K5MXG	11,088	144	77	TX
NN4TT	23,320	220	106	FL	KG4CUY	3,234	98	33	AL	N5CHA	10,595	163	65	TX
AB4GG	23,229	261	89	TN	K4PX	3,078	81	38	KY	AA5AU	9,052	124	73	LA
KS4YX	23,218	247	94	SC	*KJ4YM	3,071	83	37	GA	N5PJ	7,560	126	60	OK
KG4IGC	22,344	228	98	SC	WB2ART	3,010	70	43	FL	K5TMT	7,502	121	62	TX
AA4XG (W4ATL)	22,113	243	91	GA	AAØO	2,993	73	41	FL	K5GA	7,450	149	50	TX
AA4TI	21,297	229	93	FL	W8XC	2,850	75	38	GA	NA5W	5,985	133	45	TX
N4CWZ	20,235	285	71	NC	N4LZ	2,574	66	39	FL	N5UI	5,346	99	54	TX
K8RGI/4	19,809	213	93	FL	KR4WI	2,573	83	31	KY	KC5RGQ	3,948	94	42	NM
WA5POK	19,800	220	90	TN	KC4TVN	2,457	63	39	VA	N5TJ	3,864	69	56	TX
W3IP	19,749	227	87	VA	*WR4I	2,394	63	38	VA	KA5M	3,680	115	32	LA
K4MI	19,620	218	90	VA	KB4LA	2,378	58	41	AL	WA5LFD	3,534	93	38	TX
N5TOO	18,936	263	72	GA	*WB4OMM	2,106	54	39	FL	WA5BDU	3,290	70	47	AR
K7OM	18,450	205	90	SC	KA4OTB	2,001	69	29	TN	AC5O	3,234	98	33	LA
WF3T	18,392	242	76	FL	K4TZ	1,950	65	30	KY	AE5MM	2,464	77	32	OK
KEØL	17,976	214	84	TN	*W8DXU	1,890	54	35	SC	K7ZYV	2,244	66	34	MS
W4TM	17,958	246	73	GA	N4FX	1,378	53	26	VA	WA5LHM	2,220	60	37	TX
N1WR	17,739	219	81	VA	WD4CFN	1,305	45	29	TN	K5SS	1,984	62	32	TX
AA5JF	17,640	196	90	GA	W4IPC	1,102	38	29	VA	W5UAA	1,760	55	32	TX
K2ZR/4	17,550	195	90	FL	AB4IQ	1,078	49	22	KY	K5IZO	1,530	51	30	TX
K8LF	17,388	207	84	VA	W9FFA	1,053	39	27	FL	K5IJ	1,496	44	34	MS
AA8R	17,381	191	91	FL	W4BCG	782	34	23	TN	WBØTEV	1,410	47	30	TX
K4AMC	17,324	244	71	TN	KW1K	770	35	22	FL	N5DTT	1,092	42	26	TX
W4PK	17,296	188	92	VA	N6DW	768	48	16	VA	AC5TU	1,025	41	25	TX
KB9DKR	17,150	245	70	TN	WD8RYC	650	26	25	TN	WB5K	684	38	18	TX
N3KN	17,138	209	82	VA	N8AID	510	30	17	VA	KV8S	680	40	17	LA
AE4Y	16,872	228	74	NC	A14WW	187	17	11	FL	N5SJ	638	29	22	NM
K2PS	16,416	228	72	FL	WK4U	168	21	8	GA	*AC5BX	390	26	15	NM
WA1S	16,350	218	75	GA	N4MUH	160	16	10	FL	W5MJ	364	26	14	TX
KW4CW	15,987	219	73	VA	NZ1D	132	12	11	FL	WV5Y	330	22	15	TX
WX4W	15,826	193	82	KY	K14EZL	1	1	1	NC	KT4Q/5	264	22	12	MS
K2WK	15,756	202	78	VA						W5KI	224	16	14	AR
K2SG	14,282	193	74	FL	N2IC	466,284	1911	244	NM	K5IX	48	8	6	TX
*W4ER	13,869	207	67	AL	N5AW	292,365	1335	219	TX	W5NED	45	9	5	NM
KT4XN	13,725	183	75	FL	K5TR (K5OT)	276,660	1305	212	TX	NT5TT	9	3	3	TX
W4NZ	13,032	181	72	TN	N4OGW	275,770	1265	218	MS					
NF4J	12,375	165	75	AL	N5RZ	251,472	1209	208	TX	NO6T (KI6RRN)	421,357	1763	239	CA
N4NSS	12,118	166	73	FL	K5PI	244,800	1224	200	TX	W6YX (N7MH)	248,056	1228	202	CA
K3YDX	11,622	149	78	NC	K5WA	228,492	1154	198	TX	WD6T	212,736	1108	192	CA
K4EES	11,562	141	82	AL	K5KU	218,880	1152	190	LA	K6MR	211,266	1067	198	CA
NC4H	11,040	160	69	FL	K5CM (W5CW)	207,570	1122	185	OK	K6LA	208,845	1105	189	CA
N4UC	10,585	145	73	AL	K5RT (NM5M)	192,222	1086	177	TX	N3ZZ	165,300	950	174	CA
N3UA	10,465	161	65	VA	N5M (WØUO)	172,640	1040	166	TX	K6NR	135,945	795	171	CA
K2HYD	10,380	173	60	VA	KD5DD (KD5EE)	157,276	959	164	AR	K6SRZ	134,784	832	162	CA
W2YE	10,360	148	70	VA	W5TM	147,030	845	174	OK	K9YC	122,912	736	167	CA
WA8OJR	10,296	156	66	SC	WQ5L	140,524	817	172	MS	AC6T (@W6RFU)	107,756	682	158	CA
W3DQS	10,224	144	71	NC	K5GN	132,665	785	169	TX	ND2T (@K6MTU)	106,002	702	151	CA
KS4X	10,080	140	72	TN	N5DO	116,831	817	143	TX	W6AYC	100,278	619	162	CA
K4PZC	9,943	163	61	VA	KØNM	94,770	729	130	TX	AJ6V	84,096	584	144	CA
*KS4L	9,891	157	63	AL	K5CI	84,600	600	141	TX	N6US	83,580	597	140	CA
W1AJT	9,858	159	62	NC	AC4CA	76,172	556	137	TX	WX5S (@NW6P)	83,354	587	142	CA
AA4LR	9,396	162	58	GA	WA5SOG	74,606	511	146	AR	KM6Z	79,776	554	144	CA
AD8J	9,072	168	54	NC	NN5O	74,528	544	137	MS	K9JM	79,380	540	147	CA
K2MRK	8,710	134	65	FL	W5FMH (KJØD)	73,932	606	122	TX	WN6K	75,180	537	140	CA
N4XL	8,631	137	63	SC	N5CW	73,320	520	141	MS	N6IE	74,536	484	154	CA
K4RO	8,512	133	64	TN	N5JJ	61,983	639	97	TX	N6ZFO	73,568	484	152	CA
N3MM	8,160	136	60	VA	N1XS	54,627	393	139	TX	*W6JTI	66,234	498	133	CA
KJ4AOM	8,094	114	71	KY	AA5W	52,865	485	109	TX	K6RIM	51,308	404	127	CA
NS9I	7,866	138	57	NC	K8FU	51,993	477	109	OK	N3RC	49,926	471	106	CA
N3CKI	7,421	181	41	NC	WA8ZBT	51,867	459	113	TX	W6TK	49,910	434	115	CA
W4NBS	6,909	141	49	AL	K5NZ	51,858	402	129	TX	W6ZL	49,170	447	110	CA
W4AU	6,554	113	58	VA	K5ME	49,500	375	132	TX	KH6CJJ	45,313	401	113	KH6
NS4X	6,100	122	50	TN	N5XE	47,376	376	126	OK	K6XX	44,581	409	109	CA
K1TN	5,618	106	53	FL	N5UL	45,008	388	116	NM	K6MM	44,520	424	105	CA
KSØCW	5,568	96	58	VA	K5AX	43,877	493	89	TX	K6GHA	42,840	340	126	CA
KF1P	5,512	104	53	SC	KD2KW	38,350	325	118	TX	AD6E	35,175	335	105	CA
N3GD	5,031	129	39	FL	*N5OE	33,060	290	114	TX	KF6I	33,804	313	108	CA
N4GU	4,900	100	49	NC	KØGEO	30,912	322	96	TX	N6PN	32,412	292	111	CA
KN4BIT	4,876	92	53	FL	AE5X	29,391	291	101	TX	W6FA	30,888	312	99	CA
W4GHV	4,732	91	52	NC	KF5ALL	23,674	266	89	TX	N6TQ	21,758	253	86	CA
KN4Y	4,606	94	49	FL	N5KWN	23,140	260	89	TX	W1RH	20,114	226	89	CA
K4AVX	4,559	97	47	KY	W8OV	20,367	219	93	TX	KØDTJ	19,173	249	77	CA
N1MHV	4,365	97	45	GA	K5XU	20,315	239	85	MS	N6CW	18,879	217	87	CA
WA2JLW	4,260	71	60	NC	K5UV	19,740	210	94	OK	KX6A	18,012	228	79	CA
NA4CW	4,230	90	47	FL	K5GQ	18,530	218	85	TX	WA6URY	17,800	200	89	CA
NZ4N	4,171	97	43	NC	*W5UE	17,712	216	82	MS	NE6DX (NT6X)	15,520	194	80	CA
NN4NT	4,116	98	42	AL	WB5TKI	16,660	196	85	TX	N6GP	14,508	186	78	CA
W4WWQ	4,116	98	42	VA	KD5J	15,120	180	84	AR	N6AJS	13,790	197	70	CA
K8LBQ	3,869	73	53	GA	AE5P	15,040	188	80	TX	KE6QR	13,260	195	68	CA

Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH
N6TVN	11,570	178	65	CA	AA7V	40,166	302	133	AZ	KN8CWO (AF8A)60,298	511	118	OH	
KM6I	11,492	169	68	CA	K7GS	38,272	368	104	WA	N8VV	49,104	396	124	OH
KA6W	9,940	140	71	CA	W7VXS	37,800	378	100	WA	ND8L	41,869	281	149	OH
W1SRD	9,765	155	63	CA	WA7YAZ	37,510	341	110	UT	K9NW	41,808	402	104	OH
AA6XA	8,851	167	53	CA	KY7M (@NA7TB)33,475	325	103	AZ	KV8Q	40,198	398	101	OH	
N6VOH	8,160	170	48	CA	WY7FD	29,988	294	102	WY	K8BZ	39,330	345	114	MI
W6FB	7,975	145	55	CA	K7WP	29,682	291	102	AZ	N8FYL	33,670	370	91	MI
AH6KO	7,224	172	42	KH6	AK6A	29,211	273	107	OR	N8LR	29,700	297	100	MI
W6RKC	6,976	109	64	CA	W7CT	29,205	295	99	UT	N8IW	26,460	270	98	OH
K6AR	6,765	165	41	CA	W7XT	28,512	297	96	MT	WA8KAN	26,208	312	84	WV
NC6Q	6,270	114	55	CA	K7JQ	28,500	285	100	AZ	N8II	21,728	224	97	WV
NE6I	5,994	111	54	CA	NG7M	24,250	250	97	UT	AB8OU	19,092	222	86	OH
KI6OY	4,800	100	48	CA	W9CF	19,024	232	82	AZ	K8GT	17,850	210	85	MI
W6JBR	4,539	89	51	CA	W2VJN	17,347	209	83	OR	KC8J	17,302	211	82	OH
K6PB	4,370	95	46	CA	WU6W	17,200	200	86	NV	KB8TYJ	17,098	206	83	MI
W7TR (KH2T)J3,663	111	33	CA	AB5ZA	16,940	220	77	MT	W8MET	16,640	320	52	OH	
*AC6YY	3,649	89	41	CA	*WC7S	15,876	196	81	WY	W8PI	16,072	196	82	MI
KH6AQ	3,610	95	38	KH6	KF7U	15,400	220	70	AZ	N4HAI	15,392	208	74	OH
K6XV	3,403	83	41	CA	AD7XG	15,288	182	84	WA	NF8M	15,288	168	91	MI
N6AA	3,276	84	39	CA	KLØR	14,809	251	59	KL7	N8SBE	12,988	191	68	MI
N6YEU	3,168	72	44	CA	KU7Y	13,002	197	66	ID	W8RU	11,492	169	68	MI
N6EE	3,150	70	45	CA	K7ARJ	12,610	194	65	ID	*K8ZT	10,366	142	73	OH
KI6VC	3,128	68	46	CA	KB7N	11,400	152	75	WA	WB8JUI	9,460	220	43	OH
K6CSL	1,947	59	33	CA	K7AZT	10,971	159	69	AZ	WB2RPW	9,295	143	65	OH
WA6JRZ (W6XK)1,770	59	30	CA	W7POE	10,602	186	57	WA	*AA8OY	8,448	128	66	OH	
KZ2V	1,760	80	22	CA	*KE6K	10,074	146	69	AZ	W8WTS	8,370	135	62	OH
KE6GLA	1,537	53	29	CA	NØBK	9,600	160	60	AZ	W1PDI	8,236	142	58	OH
K6PGH	1,431	53	27	CA	AF9W	8,845	145	61	WA	KF8O	7,938	126	63	OH
KM6HB	1,408	44	32	CA	K6DGW	8,723	143	61	NV	KB8PGW	7,812	124	63	MI
W1PR	1,150	46	25	CA	KB7AZ	8,591	121	71	AZ	W8KNO	7,623	121	63	OH
NA6Q	1,080	45	24	CA	WØOR	7,260	121	60	AZ	K8G (KB8GAE)7,503	123	61	OH	
AF6SA	1,066	41	26	CA	KC7V	7,150	130	55	AZ	W8PN	5,885	107	55	OH
WA7BNM	988	38	26	CA	AB7RW	6,912	128	54	WA	N4EL	5,512	106	52	OH
W6IA	798	42	19	CA	KI7Y	6,578	143	46	OR	KI8N	4,664	88	53	OH
K6CTA	551	29	19	CA	WA7CPA	6,254	118	53	WA	N8HP	4,600	100	46	OH
WU6X	540	27	20	CA	W7ON	5,940	99	60	AZ	N8C	4,230	94	45	OH
AE6PL	525	35	15	CA	N7GOA	5,600	100	56	ID	N8FTB	4,108	79	52	OH
WQ6X	442	26	17	CA	K7MY	5,304	102	52	AZ	WX8F	3,600	80	45	OH
KI6NGN	300	25	12	CA	W7MTL	4,512	94	48	OR	*KI9S/8	3,450	75	46	OH
*NT6H	108	12	9	CA	N7ON	3,900	100	39	NV	KD8W	2,856	68	42	OH
K6DGQ	70	10	7	CA	W7GF	3,108	74	42	OR	*NI8R	2,624	64	41	OH
W6SMF	48	8	6	CA	K6KAL	2,736	76	36	AZ	N8TCP	1,960	56	35	OH
W6NKR	24	6	4	CA	N7ID	2,624	64	41	ID	WA8UMT	1,742	67	26	MI
K6MI	1	1	1	CA	WA7AXT	2,414	71	34	WA	KD8BBK	1,440	60	24	OH
					WB6JJJ	2,310	70	33	OR	N8VWY	1,128	47	24	OH
N6WIN (N6MJ)384,208	1628	236	AZ		KK7A	2,262	78	29	ID	WB8JAY	1,128	47	24	OH
N9RV	327,150	1454	225	MT	*N6HI	2,046	66	31	AZ	WA8UPB	1,066	41	26	MI
K8IA	247,357	1243	199	AZ	N7CPM	2,028	52	39	WA	*KD2BGM	1,040	40	26	OH
N6TR	239,274	1134	211	OR	*W7YAQ	1,848	56	33	OR	K7DR	988	52	19	MI
W7CXX	219,651	1041	211	UT	K7MSO	1,768	68	26	MT	K8RJW	945	45	21	OH
WJ9B	218,080	1160	188	ID	N7VS	1,736	62	28	OR	K8JT	406	29	14	MI
K7RL	209,212	1084	193	WA	AF7QD	1,650	55	30	WA	KF8MZ	45	9	5	OH
K6LL	201,666	1102	183	AZ	KC7FCW	1,568	49	32	WA	KD8TNF	40	8	5	OH
WØRIC (W4IX)194,560	1024	190	AZ	*N7JI	990	45	22	OR						
KØSN	177,792	926	192	MT	KB7AK	960	40	24	WA	W9RE	242,634	1113	218	IN
W6RW	167,552	952	176	AZ	W7GFW	744	31	24	WA	K9NR	186,345	909	205	IL
W7RN (W9KKN)165,726	891	186	NV	W7TX	740	37	20	ID	N9CK	182,364	1002	182	WI	
N7CW	150,328	817	184	AZ	*W7EEE	494	26	19	WA	K9CT	162,244	863	188	IL
KB7Q	143,055	867	165	MT	WT8P	486	27	18	WA	WT9U	147,966	813	182	IN
KH6ND	141,510	795	178	AZ	WD7E	450	25	18	ID	K9MA	136,045	805	169	WI
K7QA	140,608	832	169	MT	K7DBN	264	22	12	UT	KG9X	134,577	787	171	IL
N7IP	114,636	699	164	MT	WB7BWZ	209	19	11	MT	N9SE	132,660	804	165	IN
AB7E	107,640	598	180	AZ	N7ACI	171	19	9	UT	K9GS	118,837	787	151	WI
W7ZRC	106,248	699	152	ID	NL7V	170	17	10	KL7	N9CO	114,903	751	153	IL
KJ9C	98,696	676	146	MT	*NE4RD	135	15	9	MT	K9WX	111,601	749	149	IN
KG6O	93,832	634	148	WA	AG7GB	120	12	10	AZ	N7US	106,335	695	153	IL
K7GA	93,572	628	149	AZ	K7RLN	91	13	7	UT	N9LQ	102,450	683	150	IL
WA7AN (K9DR)92,664	594	156	AZ	*NN7SS	40	10	4	WA	ND9G	97,050	647	150	IL	
KA6BIM	82,999	497	167	OR	KI7N	10	5	2	OR	KC9EE	88,466	623	142	IL
K6WSC	80,620	580	139	AZ						K9ZO	72,136	508	142	IL
N7QT	76,897	587	131	WA	NA8V	191,884	979	196	MI	W9XT	70,499	493	143	WI
K7SS	76,650	525	146	WA	W1NN	160,765	869	185	OH	WT9Q	60,928	476	128	WI
*N7IR	72,419	521	139	AZ	N8BJQ	124,248	744	167	OH	WB9HFK	57,456	504	114	IL
WC7Q	66,576	584	114	WA	K3JT	120,131	737	163	WV	W9TC	56,056	392	143	IN
N7EPD	66,096	459	144	WA	K8BKM	106,080	663	160	MI	NQ6N	54,991	433	127	IL
NU7J	65,016	504	129	WA	N8AA	81,087	537	151	OH	WD9CIR	51,200	400	128	IL
W7GKF	62,457	573	109	WA	K8MP	79,605	549	145	OH	N9EP	51,088	412	124	IL
N9NA	59,125	473	125	AZ	K8RYU	75,841	509	149	OH	K9SE	51,045	415	123	IN
K7XC	50,752	416	122	NV	W8TM	72,201	587	123	OH	K7JOE	45,475	425	107	IN
N7YY	46,548	431	108	OR	K3DMG	67,541	493	137	OH	W9CWO (K9KM)39,221	431	91	IL	
K7UT	45,292	338	134	UT	N4RA	63,591	517	123	WV	K9CW	38,988	342	114	IL
K7HP	43,625	349	125	AZ	KE3K	63,273	483	131	MI	NN1N	35,631	333	107	IL

Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH
K9CS	31,080	296	105	IL	KØVXU	120,800	755	160	KS	WØRX	1,025	41	25	MN
W9QL	29,694	294	101	IL	KØWA	117,595	811	145	KS	NYØJ	966	42	23	MO
KC9K	29,637	267	111	IL	KØAD	115,666	766	151	MN	NGØC	792	33	24	MN
KYØQ	28,704	312	92	IL	NWØM	112,995	729	155	MO	KBØNES	736	32	23	MN
K9BGL	28,560	280	102	IL	KEØUI	112,470	690	163	CO	KJØP	612	36	17	MN
KØTQ	25,774	263	98	IN	WØZA	110,644	796	139	CO	*NYØV	418	38	11	MN
WA9LEY	25,420	310	82	IL	WØETT	110,094	622	177	CO	*NØMII	338	26	13	MO
KK9N	23,970	282	85	IL	K6XT	108,471	627	173	CO	NØUK	176	16	11	MN
K9MMS	23,323	281	83	IL	ABØTX	102,125	817	125	KS	*WØAAE	153	17	9	MN
WE9V	23,192	223	104	WI	KIØI	95,928	571	168	MO	KDØWUQ	48	8	6	ND
KD9MS	21,216	208	102	IL	WØIZ	89,628	679	132	CO	WØSHL	32	8	4	MN
KA9FOX	21,054	242	87	WI	KØMPH	76,680	568	135	MN	*ADØBI	28	7	4	MO
K9GY	20,907	303	69	IL	KØMD	76,035	555	137	MN	VE3DZ	232,522	1102	211	ON
KG9N	20,497	199	103	IL	K4IU	75,294	534	141	MN	VE3JM	187,590	1014	185	ON
N9TF	20,425	215	95	IL	KØPC	69,690	505	138	MN	VE3VN	166,530	915	182	ON
WB8RFB	20,382	237	86	IL	KØTT	62,480	440	142	MN	VE3EJ	161,568	864	187	ON
N5RP	19,032	244	78	IL	WØPI	62,248	502	124	MN	VA3DF	125,662	757	166	ON
KZ9V	18,837	207	91	WI	WØMU	61,239	447	137	CO	VE3NNT	113,544	684	166	ON
KT9L	17,370	193	90	IN	N7WY	55,564	479	116	MO	VE3KI	112,320	702	160	ON
WB8BZK	17,202	183	94	IL	AD1C	52,823	523	101	CO	VE3MGY	104,250	695	150	ON
W19WI	16,560	207	80	WI	KØBX (WØTT)	51,415	455	113	MO	VA2CZ	92,690	598	155	QC
K9DJT	16,320	204	80	WI	K7TD	50,544	432	117	CO	VE9AA	81,652	548	149	NB
WT2P	15,368	226	68	IL	WDØT	50,160	440	114	SD	VA7ST	78,207	597	131	BC
W9LU	11,385	165	69	IN	WØBH	46,827	387	121	KS	VE3KP	62,000	500	124	ON
N9UDO	11,154	169	66	WI	NXØI	44,990	409	110	MO	VE3GFN	49,088	416	118	ON
W9O (AC9EZ)	10,030	170	59	IN	AAØFO	39,530	335	118	KS	VA1MM	35,853	323	111	NS
KK9V	9,940	142	70	IN	KIØF	36,408	296	123	MN	VE3VY	31,395	299	105	ON
N9WG	9,804	172	57	IN	KIØJ	32,552	313	104	CO	VE9CB	29,328	282	104	NB
W9KM	9,295	143	65	IL	KØJP	32,340	308	105	MN	VE3MA	29,302	299	98	ON
W8LVN	8,232	168	49	IL	KØTC	30,580	278	110	MN	VE3TW	27,552	287	96	ON
K9PMV	8,220	137	60	IL	NØOK	30,208	256	118	MN	VE3SST	25,491	293	87	ON
K9DUR	7,888	136	58	IN	K9DU	30,076	292	103	MN	VE3SMA	23,630	278	85	ON
*WØ9S	7,497	153	49	IL	NØKQ	27,878	263	106	CO	VA3WB	22,800	228	100	ON
AJ9C	7,375	125	59	IN	KØKR	27,400	274	100	CO	VE3FP	21,060	234	90	ON
K9LA	7,320	120	61	IN	NØHJZ	24,856	239	104	MN	VE3WRL	20,124	258	78	ON
W9TN	6,634	107	62	IN	KAØPQW	22,480	281	80	MN	VE1RSM	17,248	196	88	NS
K9CC	6,448	124	52	IL	WB9QAF	21,716	244	89	NE	VA2WA	17,028	198	86	QC
W9ET (WB9SBD)	6,222	122	51	WI	WØUY	20,806	206	101	KS	VE5GC	15,184	208	73	SK
K9UIY	5,586	114	49	IL	KBØEO	19,992	238	84	MN	VE2ZM (VE2SRP)	14,210	203	70	QC
W9YS	5,292	98	54	IL	NØAT	19,760	260	76	MN	VE5MX	13,912	188	74	SK
N9OK	5,247	99	53	IL	NØAX	17,496	216	81	MO	VE9OA	13,160	188	70	NB
K9PG	4,998	102	49	IL	KA8HDE	16,318	199	82	MN	VE2QY	11,661	169	69	QC
*WS9V	4,950	110	45	IL	KEØTT	16,170	210	77	MN	VA3RKM	10,658	146	73	ON
WD8DSB	4,949	101	49	IN	N9HDE	16,128	224	72	IA	VE3TM	10,521	167	63	ON
W9FY	4,753	97	49	IL	NØIRM	16,020	180	89	MO	VO2AC	10,309	169	61	NL
WØ9B	4,532	103	44	WI	KØIR	15,990	205	78	MN	VE3AQ	10,285	187	55	ON
KA9CAR	4,092	93	44	IL	WØYJT	15,826	193	82	KS	VE2AXO	9,628	166	58	QC
N9DR	3,956	86	46	IN	NOØL	15,708	204	77	MO	VE3OI	8,478	157	54	ON
K9IR	3,552	96	37	IL	NØECK	15,224	173	88	MN	VE3ZY	6,944	124	56	ON
K9CPO	3,478	74	47	WI	*KØGUZ	14,000	200	70	CO	VE3FH	5,875	125	47	ON
W9NXM	2,848	89	32	IL	KØVG	10,439	143	73	MN	VA7MM	5,148	132	39	BC
KC9UJS	2,760	69	40	IL	AAØAW	10,220	146	70	MN	VA3EC	4,624	136	34	ON
KB9S	2,560	64	40	WI	WØGXA	9,734	157	62	IA	*VE3DQN	4,505	85	53	ON
K9QQ	1,740	58	30	IL	NOØT	8,062	139	58	CO	VA2UR	3,071	83	37	QC
K2DRH	1,584	44	36	IL	KFØUR	7,738	146	53	CO	VE3JI	2,475	75	33	ON
NG9R	1,564	46	34	IL	AAØCW	7,434	118	63	CO	VA3TTB	2,109	57	37	ON
K9IG	1,479	51	29	IN	AFØZ	6,944	124	56	MN	VE3EP	1,848	56	33	ON
W9SE	1,404	52	27	IL	NØKJI	6,288	131	48	CO	VE7BGP	1,815	55	33	BC
KC9YL	1,288	46	28	WI	WAØLJM	5,974	103	58	MN	VA2FO	1,650	50	33	QC
KC9UL	1,224	51	24	IL	NØAC	5,625	125	45	IA	VA3FN	1,475	59	25	ON
KW9U	1,173	51	23	IL	KØPK	5,544	99	56	MN	VE3BXG	1,425	57	25	ON
N4TZ	1,050	42	25	IN	KØWRY	5,250	105	50	KS	*VE6EX	1,392	48	29	AB
KC9EOQ	902	41	22	IL	WØZF	4,995	111	45	MN	VE3KTB	1,316	47	28	ON
AB9YC	840	40	21	IL	KBØJSH	4,953	127	39	IA	*VE3HG	1,275	51	25	ON
*W9ILF	750	30	25	IN	NØUR	4,455	99	45	MN	VA3IK	1,150	46	25	ON
AI9K	704	44	16	IL	ACØE	4,365	97	45	KS	*VE3EDX	1,104	46	24	ON
*AF9J	627	33	19	WI	AFØE	4,214	98	43	CO	VA3ZNW	703	37	19	ON
KØPG	567	27	21	IL	W6GMT	4,050	81	50	MN	VE2NCG	392	28	14	QC
W9IZ	532	28	19	IN	NEØDA	3,780	105	36	CO	VE3CEB	336	21	16	ON
KC9QQ	532	28	19	IN	KJØI	3,713	79	47	CO	VE3MDX	144	16	9	ON
WG9L	525	35	15	IL	WBØWIV	3,268	86	38	IA	VP5/KM3T	151,434	846	179	VP5
WW9R	250	25	10	WI	WAØLIF	2,982	71	42	MN	K3WA/KP4	48,900	489	100	KP4
K9GX	150	15	10	IN	W7WM	2,856	84	34	CO	XE1CT	7,920	180	44	XE
N9LF	90	10	9	IN	KAØREN	2,808	72	39	MO	HP1XT	6,832	122	56	HP
WAØJTL	20	5	4	IN	KØSRL	2,698	71	38	IA	XE2S	4,750	95	50	XE
					WØMN	2,666	62	43	MN	CO8LY	2,775	111	25	CM
					WØOJW	2,176	64	34	CO					
KØRF	289,224	1339	216	CO	KØKPH	2,108	62	34	NE					
KØEU	285,776	1348	212	CO	N5TU	2,108	68	31	MO	PY2NY	12,312	162	76	DX
K3PA	239,939	1057	227	KS	W9LHG	2,088	58	36	MN	EA8CN	5,109	131	39	DX
WØUA	181,260	1007	180	CO	NØGOS	1,752	73	24	CO	PY5AMF	1,976	52	38	DX
ABØS	163,326	1002	163	KS	WZØW	1,539	57	27	MO	SV2JAO	570	30	19	DX
KTØA	149,850	925	162	SD	NØOJ	1,425	57	25	CO	JF2FIU	9	3	3	DX
WBØSND	149,388	844	177	MO	WØZQ	1,378	53	26	MN					
NSØR	148,679	947	157	KS	WGØM	1,188	44	27	MN					
KØVBU	140,995	865	163	KS						*QRP				

**Multi-Two Scores**

Call Sign	Score	QSOs	Mults	QTH	Operators	Call Sign	Score	QSOs	Mults	QTH	Operators
W2FU	539,957	2101	257	NY	NW2K, KØSM, W2FU, K2UA, N2ZN	W3FIZ	9,125	125	73	PA	W3FIZ
K5RM	502,634	2090	242	AR	W7RY, K5RM, N5DX, K5GO, K5LG	K4MIL	8,892	114	78	VA	K4MIL
N5ZO	451,680	1885	240	CA	N5ZO, NC6K, N6NC	NQ5M	8,845	145	61	OK	NQ5M
N2NT	356,500	1562	230	NJ	N2NT, N2NC, WW2Y	N4LF	8,576	134	64	FL	N4LF
NX6T	317,905	1465	217	CA	N6NC, WM6Y, K6AM, N6KI, WQ6X, N6CY, K4RB	W4MF	8,268	159	52	TN	W4MF
K4WCF	278,388	1628	171	FL	NX4N, KR4X, N4GI, W4LT, K4LAW	K8MU	8,216	158	52	MI	K8MU
W5WZ	245,436	1086	226	LA	WM5H, W5WZ	NN3RP	8,109	159	51	DC	NN3RP
N3QE	232,200	1032	225	MD	N3QE	KD3TB	7,874	127	62	DE	KD3TB
W4NF	163,254	897	182	VA	W4NF	AA8TA	7,564	124	61	OH	AA8TA
K3CCR	150,675	861	175	MD	W3GB, N3UM	N7MQ	6,783	119	57	WY	N7MQ
KB3VQC	146,328	728	201	MD	KB3VQC, KØOO, N3DPB, K3MTR, WA3EKL, AC3BU	W4TG	6,670	115	58	VA	W4TG
N7NM	112,350	749	150	WA	N7NM	ND3D	6,664	136	49	MD	ND3D
W9AV	104,480	653	160	WI	W9AV	W2TT	5,886	109	54	NJ	W2TT
NR4M	103,970	562	185	VA	NR4M	K5VI	5,871	103	57	TX	K5VI
K7RI	103,886	818	127	WA	K7RI, K7ZQ	KB4KBS	5,781	123	47	GA	KB4KBS
KØAP	84,600	564	150	KS	KØAP	N9IO	5,772	111	52	IL	N9IO
N8EA	66,901	449	149	MI	N8EA	KM9M	5,616	104	54	IL	KM9M
VE2FK	62,496	504	124	QC	VE2FK	K1ESE	5,335	97	55	ME	K1ESE
K4XL	57,378	393	146	VA	K4XL	KA2WIK	5,136	107	48	NY	KA2WIK
KM4SII	56,979	487	117	NC	KM4SII	KX4KU	5,031	117	43	VA	KX4KU
W9ILY	56,536	382	148	IL	W9ILY	AA8SW	4,608	96	48	OH	AA8SW
W6SFM	55,753	439	127	CA	A16U, K6LQ, N6MQL, WB6UBK	K6KM	4,557	93	49	CA	K6KM
W2CDO	54,796	412	133	MD	W2CDO	W8DW	4,089	87	47	MI	W8DW
WA3AER	49,755	465	107	MD	WA3AER	KCØRET	3,978	102	39	MN	KCØRET
WRØH	49,410	366	135	MO	WRØH	K3TD	3,960	99	40	NC	K3TD
WA4JUK	48,789	417	117	VA	WA4JUK	KB4DE	3,560	89	40	SC	KB4DE
W2TR	47,151	403	117	FL	K3ZGA, NØSMX, W2TR	4U1WB	3,528	98	36	DC	AJ3M
W4JAM	44,660	385	116	VA	W4JAM	KB2URI	3,315	85	39	NY	KB2URI
AA4NP	42,880	335	128	FL	AA4NP	AEØEE	3,116	85	38	MN	AEØEE, KNØWN
W4VIC	39,897	341	117	VA	W4VIC	K4XY	2,976	93	32	VA	K4XY
W7II	39,615	285	139	IA	W7II	K16QDH	2,898	63	46	WY	K16QDH
W4XO	35,776	344	104	GA	W4XO	K1TH	2,680	67	40	MA	K1TH
N7BV	32,928	294	112	WA	N7BV, N7KC	N9YLZ	2,635	85	31	IL	N9YLZ
NA4J	32,769	331	99	NC	NA4J	N1IBM	2,580	60	43	NJ	N1IBM
N3JT	32,745	295	111	VA	N3JT	K8TS	2,556	71	36	MI	K8TS
K1DW	32,160	335	96	LA	K1DW	WB8MIW	2,325	75	31	MI	WB8MIW
NJ1F	30,952	292	106	NY	NJ1F, K1RQ	K1JB	2,035	55	37	ME	K1JB
WW3S	30,276	261	116	PA	WW3S	NUØW	1,938	51	38	MN	NUØW
KA4RRU	29,896	296	101	VA	WA4PGM, KA4RRU	W7DK	1,920	60	32	WA	WB4SPB, K7YEM, K7PIA
K2MK	28,275	325	87	FL	K2MK	W3GVX	1,890	63	30	MD	W3GVX
W3UL	28,080	270	104	MD	W3UL	N3ND	1,856	64	29	NC	N3ND
KE4S	26,986	262	103	VA	KE4S	NZ6T	1,798	58	31	VA	NZ6T
KA3MTT	26,572	292	91	KY	KA3MTT	NJ4Q	1,617	49	33	VA	NJ4Q
K1XM	26,433	267	99	MA	K1XM	W7SLS	1,566	54	29	WA	W7SLS
K5LY	25,668	279	92	TX	K5LY	WX5CW	1,518	46	33	MO	WX5CW
N8GAS	25,584	246	104	MI	N8GAS	KNØR	1,488	62	24	IA	KNØR
W1IE	25,531	211	121	VA	W1IE	K4DXV	1,440	45	32	TN	K4DXV
NN4RB	25,190	229	110	VA	NN4RB	N9GUN	1,352	52	26	IL	N9GUN
K7IA	24,786	243	102	NM	K7IA	K7MK	1,274	49	26	ID	K7MK
WBØN	24,552	248	99	MN	WBØN	WØVX	1,247	43	29	TX	WØVX
N3CW	24,200	220	110	VA	N3CW	WF6F	1,035	45	23	CA	WF6F
W1C	24,200	242	100	CT	W1C	W6WG	1,032	43	24	CA	W6WG
KU1CW	24,080	344	70	VA	KU1CW	AD4IE	760	38	20	NC	AD4IE
N6GEO	23,908	278	86	CA	N6GEO	WAØMHJ	735	35	21	MN	WAØMHJ
WB4HRL	23,055	265	87	SC	WB4HRL	KM4JA	703	37	19	AL	KM4JA
W6KC	21,216	208	102	CA	W6KC	W5TD	700	35	20	OK	W5TD
W3YR	19,314	222	87	MD	W3YR	ADØAB	630	42	15	KS	ADØAB
K6NV	18,779	211	89	CA	K6NV	WX3B	595	35	17	MD	WX3B
W4TTM	18,060	215	84	TN	W4TTM	VA3JLF	494	26	19	ON	VA3JLF
AAØAI	17,204	187	92	IA	AAØAI	N9VPV	480	24	20	IL	N9VPV
WA4IPU	16,791	193	87	FL	WA4IPU	W8EH	476	34	14	OH	W8EH
K4O	16,616	268	62	TN	AC6ZM	AC9KW	403	31	13	IL	AC9KW
N2QT	14,996	163	92	VA	N2QT	K3OQ	350	25	14	MD	K3OQ
KØAE	14,700	245	60	CO	KØAE	WB9TFH	315	21	15	WI	WB9TFH
W4RN	14,697	207	71	VA	W4RN	WA7SHP	252	18	14	OR	WA7SHP
AF3K	14,630	209	70	FL	AF3K	AG5QX	228	19	12	TX	AG5QX
AB2E	14,256	216	66	NJ	AB2E	NI4Y	108	12	9	GA	NI4Y
K6RC	12,750	170	75	CA	K6RC	VE3GMZ	96	12	8	ON	VE3GMZ
N2BJ	12,670	181	70	IL	N2BJ	AB5XM	96	12	8	TX	AB5XM
K2IW	12,530	179	70	NY	K2IW	K3MAW	49	7	7	MD	K3MAW
N5KB	12,525	167	75	IA	N5KB	VA7UI	40	8	5	BC	VA7UI
KA1YQC	12,075	175	69	MA	KA1YQC	N9WEW	36	6	6	IL	N9WEW
K3ORC	11,340	180	63	FL	K3ORC	AC4XS	16	4	4	OH	AC4XS
W4EE	11,130	210	53	FL	W4EE	AG6JA	4	2	2	CA	AG6JA
W9YK	9,945	153	65	IL	W9YK	NJ6G	1	1	1	CA	NJ6G
W9OA/9	9,768	148	66	WI	W9OA	PT8CW	1	1	1	DX	PT8CW
W1ARY	9,512	164	58	CT	W1ARY	N9JF	1	1	1	NC	N9JF

**Check Logs:** AC9S, AK7O, JO7KMB, KØACP, KØIP, K2SE, K4XU, K5VIP, K6TET, K7GM, K8RR, KA8G, KB3Z, KC3FQF, KF6NCX, KL2R, KVØI, N1KM, N3WMC, N4UM, N6HCN, ND9Z, RL4R, VA7OM, VE3YT, W1BQ, W5ZN, W6SX, W8/UT5UDX, W8AT, WA3TRE, WI0WA, WV4P