

Results: North American QSO Party CW — January 2016

For most of their contacts, participants in the January running of the North American QSO Party bounced their radio waves off the ionosphere and back to Earth. We rely on the Sun and its accompanying energy to charge the ionosphere way above our heads to enjoy this game we all love so much. Without the ionosphere, HF contesting would be awfully boring.

On January 9 another kind of reflection happened for 12 hours. Almost imperceptibly at first, participants probably started to notice a few patterns emerge in the names received during the exchange. Those using an auto-fill database probably had to manually change the names of several stations. “Hey I know him, his name isn’t Rich!” Or perhaps, “Did I get that call right? I know his name is not Bill!” Then at some point during the contest it hits them. These common name patterns are stations paying tribute to a recently lost friend or mentor. The use of easy-to-copy names during the contest is very common. But for the participants sending “Rich,” or “Bill,” or “Dick” in honor of a Silent Key, it is so much more. When friends of Rich, KL7RA, Bill,

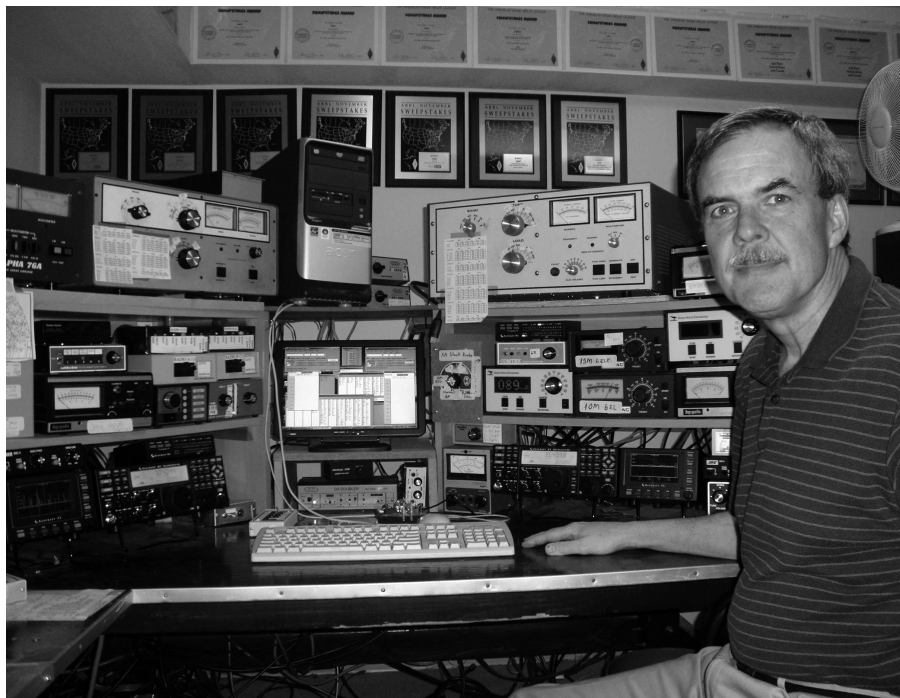


Figure 1 — Perennial high scorer KØEU’s impressive command console at his Colorado station.

Single-Operator Top 10 Breakdowns

Call Sign	Score	QSOs	Mults	160	80	40	20	15	10	Team
N2IC	445,524	1626	274	93/33	206/47	368/60	379/50	414/53	166/31	Ad Hoc
N9RV	421,296	1577	268	75/31	196/47	403/55	392/49	303/50	203/36	Big Sky Contesters COLD
NR5M (K5GA)	345,000	1250	276	102/40	225/48	327/57	289/54	244/48	63/29	DFWCG Enterprise
N5AW	330,876	1317	252	47/26	210/44	350/57	348/52	299/48	59/25	DFWCG Enterprise
KØEU	328,668	1347	244	77/28	146/42	383/53	493/51	192/49	56/21	
K5OT	307,881	1271	243	50/27	161/42	321/52	361/50	315/52	59/20	DFWCG Enterprise
W6YX (N7MH)	295,715	1207	245	60/22	148/36	272/50	276/55	221/43	230/39	NCCC #1
N4OGW	295,596	1175	252	164/38	267/45	301/52	228/53	148/45	65/19	Deep Dixie CC
AA3B	289,413	1191	243	108/33	318/45	291/51	248/52	174/41	52/21	Frankford Radio Club
N9CK	282,720	1178	240	193/38	356/49	311/54	153/47	113/36	52/16	Ad Hoc

Single-Operator, QRP Top 5 Breakdowns

Call Sign	Score	QSOs	Mults	160	80	40	20	15	10	Team
W7YAQ	106,352	578	184	27/10	48/13	95/37	158/51	140/44	110/29	
KØAV	99,624	593	168	6/6	74/27	183/42	192/47	116/34	22/12	GM Broncos 2
N7IR	89,355	555	161	10/8	18/10	192/41	129/41	136/40	70/21	Arizona Outlaw
Diamondbacks KU7Y	88,705	565	157	16/7	76/15	60/29	184/48	108/33	121/25	Arizona Outlaw
Diamondbacks W6JTI	82,880	518	160	15/6	46/10	131/41	182/51	123/38	21/14	NCCC #2

Multi Two Breakdowns

Call Sign	Score	QSOs	Mults	160	80	40	20	15	10
K5GO	747,192	2292	326	298/54	584/60	566/64	546/66	228/56	70/26
W2FU	729,393	2217	329	263/52	543/61	582/63	445/63	280/59	104/31
NØNI	612,077	2089	293	249/55	425/59	548/61	603/59	244/52	20/7

N7OU, and Dick, NØIM, heard others using their names, it was a time to reflect, if only for a moment. These were well-known contesters, friends, Elmers, and in many cases, essentially extended family. These contacts jogged the memories of many to reflect upon the keys gone silent. It may have been something as simple as the last time you talked to the person. Or perhaps a particularly funny multiop experience came to mind. For many it was a joke told during a very late night in Dayton.

The next time you hear an on-the-air tribute to a fellow ham, you might take a moment to reflect on the contributions that person made to the hobby. Amateur Radio contesting is what we make of it, and we are losing some of those that made contesting so great. We relied on their energy to help us enjoy this game we love so much. Without guys like Rich, Bill, and Dick, HF contesting would be awfully dull. Let's keep that energy going, so the sport can continue long after we have our own on-the-air tributes.

Love It or Hate It, Remote Contesting is Here to Stay

Whether you think remote operating is the future of the hobby or a perversion of something pure, we can all probably agree that it is here to stay. The NAQPs are a great way to be competitive from anywhere on the globe that has an Internet connection. Not needing a computer-controlled amplifier, or, in many cases, computer-controlled rotators can really increase the fun factor via remote. There were at least six fully remote operations during the January NAQP, two of which were full blown Multi-Two. A total of 5317 QSOs was logged at VY1AAA, K7JR, WØNA (@W4AAW), VE4EA, W1NN, and KØDQ (@K8PO). Gerry, W1VE, operated both VY1AAA and VE4EA separately during the contest — making two multipliers available thanks to a remote operation! Hal, W1NN, is very active from Tokyo via his remote station in Ohio. Scott, KØDQ, operated K8PO in Maine from his house in Virginia to hand out another nice multiplier. K7JR and WØNA were both serious M2 operations with operators scattered all over the country. More activity is good for the hobby.

The Last Big Year for 10 Meters?

As the solar cycle declines, we are all trying to hold on to any life that 10 meters has left. The beginning of the contest this year did not disappoint, with huge rates reported all over the country; it looked like we were in for one last year of big high-band numbers. In many parts of the US, the band died after an hour. As usual, the West Coast profited from a longer 10

meter opening, and the rates were big for the first couple of hours. When the band is marginal, it is a good strategy to work multipliers as fast as possible, because you are probably only going to get one shot at them. The operators who capitalized on the short opening did very well indeed. The NAQP continues to be a tricky balancing act between running and snagging the hard-to-find multipliers.

Single-Operator, Low Power

The race to be number 1 was between Steve, N2IC, and Pat, N9RV. These guys both have won several NAQPs, and their

scores are never too far apart. This year N2IC came out on top by 54 QSOs and 6 multipliers. For a contest that is often won by less than 10 QSOs, Steve's win is extra impressive. The propagation differences between Montana and New Mexico are often extreme, and both ops use very different strategies. Steve made sure to capitalize on the low bands to overcome Pat's high-band advantage.

Another great race every year is for top honors in the state of Texas. Marv, N5AW, Bill, K5GA (@NR5M), and Larry, K5OT (@K5TR), all made the Top 10, proving once again that Texas is not a bad place to be

Team Scores

1. Ad Hoc		2. DFWCG Enterprise		3. Arizona Outlaw Bobcats	
N2IC	445,524	NR5M	345,000	K6LL	270,945
N9CK	282,720	N5AW	330,876	K8IA	261,356
W9RE	275,145	K5OT	307,881	K4XU	225,398
N4AF	263,872	K5YAA	244,398	WA7LNUW	217,864
W4OC	230,790	K5RT	180,198	KB7Q	207,633
Total	1,498,051	Total	1,408,353	Total	1,183,196

Team	Operators	Total
4. NCCC #1	W6YX, W6NL, AE6Y, K9YC, K6LRN	1,086,098
5. Frankfurt Radio Club	AA3B, N2NC, N3AD, AB3CX, K3MD	1,012,631
6. Big Sky Contesters COLD	N9RV, K7BG, KE7X, W7KF, NE4RD	968,870
7. CCO Team 1	VE3JM, VE3EJ, VE3CX, VE3KI, VE3KZ	868,774
8. SECC#1	K7SV, K4BAI, W4AU, AA4CF, AD8J	827,645
9. KCCC Royals	K3PA, KØVBU, NWØM, KIØI, KØVXU	823,882
10. Deep Dixie CC	N4OGW, K5KU, K4MM, WB5EIN, K5XU	822,576
11. MWA Lutfesk	NØAT, KØAD, WØOR, KØMPH, KØPK	819,241
12. TCG FT	KØEJ, AD4EB, WO4O, W4NZ	756,830
13. Arizona Outlaw Coyotes	N7CW, N5FO, K7WP, NC7J, K6WSC	754,641
14. DFWCG Millennium Falcon	WØUO, N5DO, W8FN, NO5W	700,874
15. SMC Cheeseburger	NØAX, K9WX, K9NR, K3WA, WI9WI	665,124
16. NCC/MRRC Team 1	NP2X, NA8V, W8CAR, K8GT	585,629
17. GM Broncos 1	WØDLE, KTØA, KØBJ, KFØUR	580,581
18. KCG	W5MX, K4FT, K4FXN, KE4KY, NU4X	578,907
19. GCG Team #1	N4PN, N4OX, WA1S, WN4AFP, WA2MBP	482,976
20. Bama regulars	N4KH, K4IQJ, WA1FCN, KS4L, K4WI	464,692
21. LOS CHACHOS	NP3A, KP3W, KP4EJ, HI3TT, HI3CC	462,348
22. CCO Team 2	VE3RZ, VE3VN, VA3EC, VE3GFN, VE3TW	443,128
23. SECC#3	K9OM, KU8E, WA5POK, KN4Y	438,287
24. GM Broncos 2	WØETT, WØCO, KØAV, KØUK, WC7S	426,136
25. PVRC Expats	WJ9B, KØDQ, K3JT, K2PS	414,232
26. Arizona Outlaw Diamondbacks	KY7M, N7IR, KU7Y, AA7V, W9CF	409,153
27. SECC#2	KZ5D, N4TB, W2GDJ, N4XFA	384,368
28. NCC/MRRC Team 2	W1NN, WU8R, ND8L, AF8A, N8SBE	371,753
29. DFWCG Pegasus	N5KWN, K5ME, KØNM, K5XR	337,311
30. YCCC Dick's Barnstormers	K1RO, K1EBY, W1UJ, W1TJL	320,250
31. GCG Team #2	N4ZZ, N5TOO, N4VDL	316,998
32. PVRC Northwest 1	K3AJ, W2CDO, K3KU, K3MM	305,378
33. YCCC Vic's Haitian Runners	W1FJ, W1KM, W1TO, K1KI	302,247
34. NCCC #3	K9JM, K6DGW, K6GHA, W6BB, NA6O	291,546
35. RSM 1	VE9AA, W6NF, VE4EA, VE4DXR, VE4VT	282,851
36. NCCC #2	N6ZFO, W6JTI, AJ6V, KM6I, W1RH	281,774
37. LARG	KØZR, KE4S, NC4S, K3SEN, N4PD	279,643
38. YCCC Jerry's Hudson Multiops	N1RR, K5ZD, AE1T, W1JQ, VY1AAA	271,910
39. SMC Boat Drinks	WØGXA, N7US, WT2P, AA9A	261,644
40. KCCC Chiefs	KØOU, AAØFO, NXØI, KØAP	259,603
41. MWA Lefse	KØTI, NØHJZ, K4IU, WØERP	230,447
42. TCG PT#2	K4RO, K1GU, W4UT, K3FH	227,537
43. Metro Marauders	W9Ily, K9CS, N9TK, WA9LEY	221,369
44. DFWCG Endurance	N5UM, KE5BUS	202,865
45. DFWCG Icarus	K5BG, N5TIT, K5MBA, K5GQ	200,072
46. PVRC NC	W2CS, K4QPL, N4UEZ, K4OV, W4FS	199,100

Team	Operators	Total
47. PVRC Southwest VA	N4UA, W4YE, W4GDG, N8AID	195,481
48. Arizona Outlaw Gila Monsters	KØMP, KE2VB, NW3H, N3KCJ	184,433
49. El Jefe's Pistolitas	W2EG, W2LK, WA2JQK	182,174
50. PVRC Northwest 2	N9NB, K3IT	177,654
51. PVRC Northwest 3	N3HEE, W3GVX, W3SFG, N8II, WR3R	168,716
52. NCC/MRRC Team 3	K8RYU, KW8N, K8MR, N8XX, W3USA	166,516
53. PVRC Downtown DC	N3QE, W3DQ, K8GU, N8HM	154,948
54. PVRC Northwest 4	N3RR, K4FTO	153,114
55. PVRC Multi Chapter 2	K4ORD, W4CB	147,958
56. NFR Lake Effect	W2GR, W2RR, K2QB, K2ZR/4	146,647
57. MWA Spam	K3WT, KMØO, ACØW, NØKK	146,491
58. SECC#4	K2SX, NM2L, N3ZL, NJ8J	141,942
59. Big Sky Contesters COLDER	KJ9C, K7ABV, WN7Y	141,612
60. SMC Pencil Thin Moustache	N9CO, KW9U, KX9DX, N9GUN	136,986
61. Radio Alaska	KL2R, KL7SB, WL7F, AL9A, AL1G	130,647
62. TCG PT #1	N4NA, AB4GG, WR1Q, NA4C	120,015
63. DFVCG Moonraker	N5OE, N5QQ, NY5B, AF5I	116,737
64. TDXS	K5DX, AJ4F, K5TU, N5FNC	110,269
65. SMC Margaritaville	WB9HFK, WD9CIR, WB8RFB, W9XT, WE9V	87,759
66. SMC It's 5:00 Somewhere	W9TC, W9SE, WW9R, WU9D	84,569
67. SMC Coconut Telegraph	K9PG, N9TF, N9LQ, N9LJX, N9JF	84,108
68. PVRC Rappahannock	K4FJ, K4GMH	84,063
69. NCC/MRRC Team 5	N2WK, K8BL, W8KNO, AC8E	83,398
70. GM Broncos 3	NØTA, K6XT, NØMU, WØZA	82,012
71. NCCC #4	N3ZZ, KZ2V, NN7SS, W6RKC, K6XX	81,323
72. KCG-PT	N4QS, K4WW, N4JRG	80,604
73. Bristol ARC Dits	W4TTM, AA4DD, N8FF, N4DW	78,082
74. SMC A Pirate Looks at Forty	KT9L, KS9W, KU9V, KR9U	71,084
75. CCO Team 3	VE3BR, VE3HG, VA3RKM	64,599
76. MWA Wild Rice	NØBU, WBØN, NØOK	60,692
77. NCC/MRRC Team 4	KT8K, NF8M	59,221
78. Swamp Foxes	K7OM, NJ4F, KG4IGC, AJ4UQ	59,071
79. DFVCG Serenity	W5RZ, NM5M, WF5E, N3BUO, K5SS	58,542
80. PVRC Colonial Capital	W3TB, KK4R	56,144
81. SMC Growing Up Not Older	W9QL, W9DCA, NJ9T, NG9M, NG9R	54,090
82. Arizona Outlaw Tarantulas	NG7Z	36,356
83. SMC Fins	AB9YC, AF9J, AJ9C, AI9T	34,200
84. PVRC Annapolis 1	W3UL, K3AU, K4EET, K3OQ	31,829
85. SMC Bama Breeze	KD9MS, KC9UJS, KK9EJ, KK9V, KC9EE	31,745
86. NCCC #5	N6WM, W6EU, N2NS	30,775
87. NorDX club	VA2SG, VE2ZT, VE2VIA	29,360
88. PVRC North	K4HQK, NN3W, K3STX	29,194
89. SMC One Particular Harbour	K9ZO, KB9NW, K9ZM	20,494
90. NY Owls	N2FF, KA2D	17,633
91. SMC Volcano	K9AY, K9IJ, K9GY, K9DUR	17,564
92. SMC Changes in Latitudes	K9OR, K9LA, K9IG	14,109
93. MWA Hot Dish	NRØT, WI9P, KØTLG	11,815
94. Blue Ridge Gentlemen	K4PZC, AD4TJ	10,798
95. Bristol ARC Dahs	K4FJW, KA4R	9,387
96. PVRC Multi Chapter 1	WK3A, W8ZA, ND3N, N4QX	8,738
97. PVRC Laurel	N3XL	3,555
98. NCCC #6	KO6LU	416

Multioperator, Two Transmitter

The talented team at K5GO in Arkansas broke the 3-year winning streak of the operators at W2FU in New York. The crew at W2FU found three more multipliers than K5GO, but they fell 75 QSOs short of the winning total. That is a very slim difference of approximately three contacts per transmitter per hour. With such a small margin of victory every year, these teams push as hard as they can for the entire contest. The NØNI team in Iowa came away with their best score ever to take third place. The M2 teams at the top of their game really are something special. With scores so close, they can't afford to miss an opening or a multiplier pass. It is a truly team effort to make more than 2000 QSOs in this contest with only 100 W. The remote operation from K7JR in Oregon just missed the 2000-QSO mark, finding the low bands to be particularly poor. Rounding out the Top 5 was the team at NC4KW in North Carolina, who had great low-band conditions, but weren't in a favorable spot for sustained high-band runs.

Honorable Mentions

It is always great to work old friends on the air, but it is just as great to work someone new to contesting. The January running of NAQP seemed to have a high percentage of first timers, based on log submission soapbox comments. Many of these operators use the high fun factor of NAQP to jump right in, even if it is a bit scary at first. Some noteworthy comments mentioned how courteous everyone was to slower-speed CW ops and how they liked not having to compete with 1.5 kW stations.

Casual contesters make the overwhelming majority of contest QSOs, so anything we can do to welcome them is good! The M2 operation of KE3X had Ken operating with his 17-year-old son Aidan, K3ADN. Is this the beginning of a "like father, like son" radio legacy? With a previous WRTC competitor as his Elmer, Aidan is in good hands.

Thanks to the many operators in Alaska who got on as a tribute to Rich, KL7RA (SK). Sticking it out for the NAQP is especially tough from there with 100 W.

Housekeeping

Remember that *any* form of assistance places a single operator into the M2 category. As a M2 entrant, you are not eligible for the team competition. As the rule stands right now, if you want to compete on a team, you must operate unassisted.

for a domestic contest. In the end, K5GA earned bragging rights this year, for placing number 1 in the second-largest state. Bill keyed his way to a big multiplier total to overcome the higher QSO totals of the other Texans. The rest of the Top 10 was filled with operators who either have won an NAQP or come very close to it. The competition in this contest is as fierce as any on the calendar.

Single-Operator, QRP

The QRP category was won by Bob, W7Yaq, in Oregon. This is Bob's second QRP win. Alan, KØAV, was not far behind

to take second place. Alan had 15 more QSOs than W7Yaq, but Bob had 16 more multipliers in the end. The QRP ops are really at a disadvantage working multipliers when conditions are marginal. It is hard to get through the static on the low bands, and equally hard to work the weak scatter paths needed on the high bands. N7IR, KU7Y, and W6JTI round out the Top 5. All are NAQP veterans and really know how to play the QRP game. Many QRP operators crack the 500-QSO barrier, proving that you don't need big antennas and big power to have a lot of fun in just a few hours.

Single-Operator Scores

Call Sign	Score	QSOs	Mults	QTH	Team	Call Sign	Score	QSOs	Mults	QTH	Team
K1RO	195,597	927	211	NH	YCCC Dick's Barnstormers	N3HEE	104,838	606	173	MD	PVRC Northwest 3
K1TR	194,880	928	210	NH		W2CDO	95,004	546	174	MD	PVRC Northwest 1
N1RR (@K6ND)	180,180	858	210	MA	YCCC Jerry's Hudson Multiops	K3UL	88,270	485	182	PA	
W1FJ	118,692	628	189	MA	YCCC Vic's Haitian Runners	K3KU	45,162	386	117	MD	PVRC Northwest 1
W1SJ	109,440	684	160	VT		KB3LX	42,375	339	125	PA	
KØDQ	101,480	590	172	ME	PVRC Expats	K3WJV	39,431	301	131	PA	
K1EBY	95,865	581	165	CT	YCCC Dick's Barnstormers	NA3V	25,960	236	110	PA	
N2AN (WC4E)	94,080	560	168	MA		W3GVX	23,128	236	98	MD	PVRC Northwest 3
W1KM	83,174	457	182	MA	YCCC Vic's Haitian Runners	W3SFG	19,691	203	97	MD	PVRC Northwest 3
WW1ME	79,023	497	159	ME		WS3C	19,500	195	100	PA	
W1TO	72,981	477	153	MA	YCCC Vic's Haitian Runners	W3UL	18,200	200	91	MD	PVRC Annapolis 1
KM1X	67,115	433	155	MA		NW3H	17,296	188	92	PA	Arizona Outlaw Gila Monsters
W1WBB	46,848	366	128	RI		K3MM	15,244	206	74	MD	PVRC Northwest 1
K1BV	38,368	352	109	CT		N3HU	14,775	197	75	MD	
K5ZD	37,278	327	114	MA	YCCC Jerry's Hudson Multiops	*WB8YYY	13,288	151	88	MD	
AE1T	31,302	282	111	NH	YCCC Jerry's Hudson Multiops	K3CWF	13,041	161	81	DE	
W1EQ	29,568	264	112	CT		W3DQ	12,710	155	82	MD	PVRC Downtown DC
NJ1T	29,440	256	115	MA		K3AU (K2YWE)	10,860	181	60	MD	PVRC Annapolis 1
W1ZT	29,412	258	114	MA		K2LNS	10,164	154	66	PA	
K1KI	27,400	274	100	CT	YCCC Vic's Haitian Runners	K8GU	8,840	130	68	MD	PVRC Downtown DC
AA1SU	24,380	265	92	VT		W3CB	8,732	118	74	MD	
K1ZK	23,861	223	107	VT		W3IUU	8,640	144	60	MD	
K1ESE	22,420	236	95	ME		N3AM	8,375	125	67	MD	
W1UJ	19,440	243	80	MA	YCCC Dick's Barnstormers	*AB3WS	7,808	122	64	MD	
AB1XW	17,848	194	92	MA		WR3R	7,198	122	59	MD	PVRC Northwest 3
N1DID	17,136	204	84	CT		WK3A	5,044	97	52	MD	PVRC Multi Chapter 1
W1JQ	16,562	169	98	CT	YCCC Jerry's Hudson Multiops	K3FH	4,650	93	50	PA	TCG PT#2
W1END	14,168	161	88	NH		N3BUD	4,428	108	41	PA	
KC1ANM	9,417	129	73	CT		K3RMB	4,150	83	50	PA	
W1TJL	9,348	123	76	CT	YCCC Dick's Barnstormers	N3XL	3,555	79	45	MD	PVRC Laurel
*N1IX	7,366	127	58	NH		WA1HEW	2,686	79	34	PA	
NB1N	6,270	114	55	MA		K4EET	2,294	62	37	MD	PVRC Annapolis 1
*AA1CA	5,310	90	59	NH		W3GH	2,280	76	30	PA	
K1ZE	4,611	87	53	CT		K3YDX	1,782	54	33	MD	
AB1XB	1,820	52	35	MA		N3ST	1,512	54	28	PA	
K1PDY	1,776	48	37	NH		ND3N	1,189	41	29	MD	PVRC Multi Chapter 1
WO1N	1,479	51	29	MA		*K3HX	1,064	38	28	PA	
WA1DRQ	1,224	51	24	MA		N8NA	912	38	24	DE	
N1NN	520	26	20	MA		K3IT	840	40	21	MD	PVRC Northwest 2
*W1WQG	238	17	14	CT		*K3OQ	475	25	19	MD	PVRC Annapolis 1
K1DRV	108	12	9	ME		N8HM	408	24	17	MD	PVRC Downtown DC
KC1AXJ	49	7	7	CT		K3STX	266	19	14	MD	PVRC North
W1HFG	6	3	2	MA		K3MAW	100	10	10	MD	
W1PID	0	0	0	NH		N3KS	70	10	7	MD	
						*K3YNY	1	1	1	MD	
N2NC (@N2NT)	254,190	1115	229	NJ	Frankford Radio Club	N4AF	263,872	1178	224	NC	Ad Hoc
AB3CX	148,308	728	204	NY	Frankford Radio Club	K7SV	260,762	1082	241	VA	SECC#1
W2CS	113,750	653	175	NY	PVRC NC	N4ZZ	257,280	1072	240	TN	GCG Team #2
W2EG	90,830	586	155	NY	El Jefe's Pistolitas	W4OC	230,790	942	245	SC	Ad Hoc
W2GR	77,216	508	152	NY	NFR Lake Effect	KØEJ	226,000	1000	226	TN	TCG FT
W2LK	62,577	409	153	NY	El Jefe's Pistolitas	N4PN	209,223	862	243	GA	GCG Team #1
W2RR						AD4EB	207,318	955	218	TN	TCG FT
(WA2AOG)	55,977	397	141	NY	NFR Lake Effect	K9OM	194,936	826	236	FL	SECC#3
N2WK	52,966	373	142	NY	NCC/MRRC Team 5	K4BAI	191,808	867	222	GA	SECC#1
KE2D	45,560	335	136	NJ		W5MX	189,810	855	222	KY	KCG
W2LE	31,059	261	119	NJ		WO4O	182,700	900	203	FL	TCG FT
WA2JQK	28,767	223	129	NY	El Jefe's Pistolitas	N9NB	176,814	852	209	VA	PVRC Northwest 2
WA2MCR	22,454	218	103	NY		K4MM (W4IX)	168,454	806	209	FL	Deep Dixie CC
*NQ2W	16,575	195	85	NY		N4CW	161,130	786	205	NC	
N2UU	16,170	210	77	NJ		KØZR	153,031	769	199	VA	LARG
KR2Q	14,904	207	72	NJ		N4OX	149,644	716	209	FL	GCG Team #1
N2FF	11,473	149	77	NY	NY Owls	W4AU	146,853	777	189	VA	SECC#1
K2KIB	11,259	139	81	NJ		KU8E	140,901	701	201	GA	SECC#3
K2QB	10,854	162	67	NY	NFR Lake Effect	W4NZ	140,812	751	188	TN	TCG FT
K2RNY	7,503	123	61	NY		N4KH	135,432	684	198	AL	Bama regulars
KA2D	6,160	112	55	NY	NY Owls	K4FT	128,469	687	187	KY	KCG
AD2KA	5,500	100	55	NY		K4FXN	119,682	654	183	KY	KCG
K2MK	5,217	111	47	NJ		N4UA	118,014	663	178	VA	PVRC Southwest VA
AC2IK	4,656	97	48	NY		AA4CF	114,570	570	201	GA	SECC#1
NG2D	3,948	94	42	NY		AD8J	113,652	693	164	NC	SECC#1
KA2FHN	2,684	61	44	NY		K4IQJ	113,071	557	203	AL	Bama regulars
W2TF	2,160	60	36	NY		WA1FCN	110,802	626	177	AL	Bama regulars
AD3Y	2,080	52	40	NJ		K3IE	98,363	589	167	TN	
W2GB	1,881	57	33	NY		K4ORD	96,278	529	182	VA	PVRC Multi Chapter 2
*WA2NYY	1,728	48	36	NY		KØLUZ	92,157	663	139	FL	
WA2ALY	1,650	55	30	NJ		K4RO	91,485	535	171	TN	TCG PT#2
*KB2HSH	475	25	19	NY		K2SX	87,754	493	178	SC	SECC#4
AA3B	289,413	1191	243	PA	Frankford Radio Club	WA5POK	87,150	525	166	TN	SECC#3
K3WW	228,514	1034	221	PA		KS4L	82,502	497	166	AL	Bama regulars
N3AD	176,190	839	210	PA	Frankford Radio Club	WA1S	81,549	533	153	GA	GCG Team #1
K3AJ	149,968	732	206	MD	PVRC Northwest 1	K1GU	79,350	529	150	TN	TCG PT#2
K3MD	144,530	745	194	PA	Frankford Radio Club	K5KG	79,254	518	153	FL	
K3UA	140,230	758	185	PA		N4TB	77,916	516	151	FL	SECC#2
N3QE	132,990	716	186	MD	PVRC Downtown DC	W7IY	74,649	501	149	VA	
N3RR	124,709	689	181	MD	PVRC Northwest 4	N4NA	74,328	489	152	TN	TCG PT #1

Call Sign	Score	QSOs	Mults	QTH	Team	Call Sign	Score	QSOs	Mults	QTH	Team
W4YE	73,525	425	173	VA	PVRC Southwest VA	K3SV	3,120	78	40	FL	
KE4KY	72,501	507	143	KY	KCG	K4OWR	3,060	68	45	TN	
NU4X	68,445	507	135	KY	KCG	KA1DBE	3,045	87	35	VA	
K4QPL	67,267	491	137	NC	PVRC NC	W4ZPR	2,660	70	38	VA	
K4FJ	65,142	423	154	VA	PVRC Rappahannock	K2ZR/4	2,600	65	40	FL	NFR Lake Effect
AA9K	64,321	491	131	TN		K2AV	2,520	72	35	NC	
N5TOO	53,448	408	131	GA	GCG Team #2	W4JUJ	2,376	54	44	TN	
WD4AHZ	52,736	412	128	FL		N4XYZ	1,938	57	34	VA	
KE4S	52,416	364	144	VA	LARG	K4OV	1,900	50	38	NC	PVRC NC
W4UT	52,052	339	154	TN	TCG PT#2	KA4R	1,350	45	30	TN	Bristol ARC Dahs
W4CB (W2RU)	51,680	340	152	VA	PVRC Multi Chapter 2	KB5EZ	1,152	48	24	AL	
K4DJ	50,552	356	142	NC		W9FFA	828	36	23	FL	
N4QS	50,038	394	127	KY	KCG-PT	N4DW	819	39	21	TN	Bristol ARC Dits
N4GG	45,562	418	109	GA		N4NTO	720	36	20	NC	
NC4S	40,565	305	133	VA	LARG	AD4TJ	700	35	20	VA	Blue Ridge Gentlemen
W2GDJ	40,467	329	123	NC	SECC#2	W4JAM	690	30	23	VA	
N4CF	40,080	334	120	VA		KS3K	560	28	20	FL	
N4XFA	37,023	301	123	GA	SECC#2	*N4QX	345	23	15	VA	PVRC Multi Chapter 1
W3TB	36,456	294	124	VA	PVRC Colonial Capital	K4MZE	228	19	12	GA	
W4TTM	35,552	352	101	TN	Bristol ARC Dits	N4TMM	182	14	13	GA	
WA4PGM	34,375	275	125	VA		KD4YDD	165	15	11	GA	
K2WK	33,888	353	96	VA		AJ4UQ	135	15	9	SC	Swamp Foxes
NA4K	32,724	324	101	TN		*N3CZ	120	12	10	NC	
NM2L	29,500	295	100	GA	SECC#4	W4FS	90	10	9	NC	PVRC NC
AA4DD	29,155	245	119	TN	Bristol ARC Dits	N4GU	80	10	8	NC	
K4HC	28,880	304	95	NC		N8AID	72	9	8	VA	PVRC Southwest VA
K4FTO	28,405	247	115	VA	PVRC Northwest 4	A14QQ	1	1	1	VA	
K7OM	26,768	239	112	SC	Swamp Foxes						
K4WW	26,250	250	105	KY	KCG-PT	N2IC	445,524	1626	274	NM	Ad Hoc
AA4NC	26,013	299	87	NC		NR5M (K5GA)	345,000	1250	276	TX	DFWCG Enterprise
K3SEN	24,722	263	94	FL	LARG	N5AW	330,876	1317	252	TX	DFWCG Enterprise
KM4FO	24,205	235	103	KY		K5OT (@K5TR)	307,881	1271	243	TX	DFWCG Enterprise
K4WI	22,885	199	115	AL	Bama regulars	N4QGW	295,596	1175	252	MS	Deep Dixie CC
WN4AFP	21,584	284	76	SC	GCG Team #1	K5YAA	244,398	1058	231	OK	DFWCG Enterprise
K1SE	21,472	244	88	VA		W0UO	233,298	998	234	TX	DFWCG Millennium Falcon
NJ4F	21,364	218	98	SC	Swamp Foxes	K25D	228,962	958	239	LA	SECC#2
AB4GG	21,321	207	103	TN	TCG PT #1	N5FO	221,862	1080	206	NM	Arizona Outlaw Coyotes
K4HOK	21,228	244	87	VA	PVRC North	K5KU	209,174	938	223	LA	Deep Dixie CC
WA2MBP	20,976	228	92	GA	GCG Team #1	N5UM	202,130	986	205	OK	DFWCG Endurance
K8MR	20,292	228	89	FL	NCC/MRRC Team 3	N5DO	195,358	1007	194	TX	DFWCG Millennium Falcon
KM4OIX	20,210	215	94	TN		K5BG	181,888	787	232	TX	DFWCG Icarus
N1RM	20,169	243	83	VA		K5RT	180,198	846	213	TX	DFWCG Enterprise
KK4R	19,688	214	92	VA	PVRC Colonial Capital	W8FN	154,192	838	184	TX	DFWCG Millennium Falcon
WR1Q	19,278	238	81	TN	TCG PT #1	K7IA	127,512	616	207	NM	
N3ZL	19,176	204	94	NC	SECC#4	AE5GT	126,140	742	170	TX	
K4GMH	18,921	357	53	VA	PVRC Rappahannock	NO5W	118,026	711	166	LA	DFWCG Millennium Falcon
W4BCG	18,135	195	93	TN		N5UL	117,208	637	184	NM	
AB9CA	18,018	198	91	AL		N5CW	108,295	605	179	MS	
*K14FW	18,011	217	83	VA		WB5EIN	101,472	605	168	MS	Deep Dixie CC
AF4HL	17,940	195	92	SC		N5KWN	96,444	564	171	TX	DFWCG Pegasus
WA8OJR	17,160	195	88	SC		K5ME	90,037	584	179	TX	DFWCG Pegasus
N4UEZ	16,093	209	77	NC	PVRC NC	K8TE	88,357	614	149	NM	
KN4Y	15,300	180	85	FL	SECC#3	K0NM	82,450	485	170	TX	DFWCG Pegasus
K9UQN	14,440	190	76	TN		*N5OE	78,246	486	161	TX	DFWCG Moonraker
K4GM	13,629	177	77	VA		K5DX (WB5TUF)	76,545	417	189	TX	TDXS
N8FF	12,556	172	73	TN	Bristol ARC Dits	K5XR (W5ASP)	68,380	526	130	TX	DFWCG Pegasus
K4JAZ	11,325	151	75	AL		K5KJ	64,090	493	130	TX	
K4RUM	11,248	148	76	FL		K5XU	47,880	360	133	MS	Deep Dixie CC
*KG4IGC	10,804	148	73	SC	Swamp Foxes	W5GN	40,893	317	129	TX	
K4PZC	10,098	153	66	VA	Blue Ridge Gentlemen	N5EE	38,037	409	93	AR	
W4WWQ	10,011	141	71	VA		K5DU	37,728	289	131	TX	
N0MU	9,990	185	54	FL	GM Broncos 3	W5RZ	30,734	254	121	AR	DFWCG Serenity
AD4AX	9,504	144	66	VA		AJ4F	27,348	258	106	TX	TDXS
K8SYH	8,960	128	70	VA		N3BB	25,175	265	95	TX	
N4PD	8,909	151	59	VA	LARG	N5QQ	19,039	241	79	TX	DFWCG Moonraker
K4FJW	8,037	141	57	VA	Bristol ARC Dahs	NY5B	16,254	189	86	TX	DFWCG Moonraker
NN3W	7,700	110	70	VA	PVRC North	AA5AU	12,948	156	83	LA	
KU4V	7,316	118	62	NC		K5IX	12,920	152	85	TX	
K2PS	7,314	138	53	FL	PVRC Expats	NM5M	12,780	213	60	TX	DFWCG Serenity
*W3USA (K8MR)	6,664	119	56	FL	NCC/MRRC Team 3	W5LA	11,174	151	74	LA	
*W4TZM	6,420	107	60	NC		WB7PVL	9,975	133	75	TX	
N4VDL	6,270	95	66	GA	GCG Team #2	K5ACO	9,398	127	74	AR	
KW4CW	6,048	108	56	VA		WA5SOG	9,072	189	48	AR	
NX4N	5,814	114	51	FL		KA5CRL	8,732	118	74	TX	
WK4AA	5,664	96	59	KY		KA5M	8,662	122	71	LA	
NJ8J	5,512	104	53	GA	SECC#4	N5KF	8,645	133	65	TX	
W4UX	5,459	103	53	NC		N5TIT	8,432	124	68	TX	DFWCG Icarus
KM4HI	5,424	113	48	FL		WF5E	8,228	121	68	TX	DFWCG Serenity
*K2YGM	5,390	98	55	FL		W5WZ	6,976	109	64	LA	
N4LZ	5,220	90	58	FL		K5MBA	6,726	114	59	TX	DFWCG Icarus
NA4C	5,088	96	53	TN	TCG PT #1	K9OZ	6,384	112	57	AR	
W4LT	4,536	108	42	FL		K7ZYV	6,076	98	62	MS	
N4JRG	4,316	83	52	KY	KCG-PT	K5TU	5,656	101	56	TX	TDXS
W4DCS	3,984	83	48	NC		AF5CC	5,005	91	55	OK	
*K4NC	3,885	105	37	NC		N3BUO	4,950	99	50	TX	DFWCG Serenity
W4GDG	3,870	90	43	VA	PVRC Southwest VA	N5NA	3,854	82	47	TX	
K4AVX	3,456	96	36	KY		AF5I	3,198	78	41	TX	DFWCG Moonraker
K4MIL	3,256	74	44	VA		K5GQ	3,026	89	34	TX	DFWCG Icarus

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W5ZN	2,100	60	35	AR		N9RV	421,296	1577	268	MT	Big Sky Contesters COLD
NT5I	1,881	57	33	LA		K7BG	274,474	1182	233	MT	Big Sky Contesters COLD
K5SS	1,850	50	37	TX	DFWCG Serenity	K6LL	270,945	1230	223	AZ	Arizona Outlaw Bobcats
N5XJ	1,674	54	31	TX		K8IA	261,356	1172	223	AZ	Arizona Outlaw Bobcats
KE5BUS	735	35	21	TX	DFWCG Endurance	WJ9B	259,200	1152	225	ID	PVRC Expats
N5JR	725	29	25	TX		N7CW	236,208	1064	222	AZ	Arizona Outlaw Coyotes
N5FNC (NK5G)	720	30	24	TX	TDXS	W7ZRC	233,129	1027	227	ID	
KD5J	672	32	21	AR		K4XU	225,398	898	251	OR	Arizona Outlaw Bobcats
WB5K	342	19	18	TX		WA7LNW	217,864	905	241	UT	Arizona Outlaw Bobcats
N1CC	252	21	12	TX		KB7Q	207,633	1033	201	AZ	Arizona Outlaw Bobcats
K5GQ/M	120	12	10	TX		K7WP	168,630	803	210	AZ	Arizona Outlaw Coyotes
KF5HIQ	16	4	4	TX		KE7X	163,989	959	171	MT	Big Sky Contesters COLD
W5GDY	2	2	1	TX		KY7M	160,249	839	191	AZ	Arizona Outlaw Diamondbacks
						K2RD	139,680	776	180	NV	
W6YX (N7MH)	295,715	1207	245	CA	NCCC #1	W7OM	125,840	715	176	WA	
W6NL	275,945	1205	229	CA	NCCC #1	N7YK	111,758	646	173	NV	
N5ZO	264,024	1158	228	CA		KJ9C	107,184	616	174	MT	Big Sky Contesters COLDER
K6LA	235,600	1178	200	CA		*W7YAQ	106,352	578	184	OR	
AE6Y	218,790	992	221	CA	NCCC #1	W7WHY	106,323	581	183	OR	
K9YC	211,988	939	226	CA	NCCC #1	W7KF	90,396	558	162	MT	Big Sky Contesters COLD
WN6K	144,892	814	178	CA		*N7IR	89,355	555	161	AZ	Arizona Outlaw Diamondbacks
N6NF	141,864	771	184	CA		*KU7Y	88,705	565	157	NV	Arizona Outlaw Diamondbacks
K9JM	130,848	696	188	CA	NCCC #3	KØMP	83,220	570	146	AZ	Arizona Outlaw Gila Monsters
N6ZFO	130,025	743	175	CA	NCCC #2	K7RAT	81,972	506	162	OR	
K6RB	112,496	632	178	CA		KE2VB	74,889	477	157	AZ	Arizona Outlaw Gila Monsters
N6XI	110,330	590	187	CA		K7LVJ	71,070	515	138	WA	
KM6Z	109,200	650	168	CA		NC7J (W7CT)	67,804	506	134	UT	Arizona Outlaw Coyotes
N6IE	108,402	609	178	CA		K6DGW	67,645	415	163	NV	NCCC #3
W6TK	101,598	574	177	CA		K9JF	64,384	503	128	WA	
K6RIM	86,286	591	146	CA		K6WSC	60,137	497	121	AZ	Arizona Outlaw Coyotes
K6LRN	83,660	470	178	CA	NCCC #1	KA6BIM	56,550	377	150	OR	
*W6JTI	82,880	518	160	CA	NCCC #2	AA7V	50,553	369	137	AZ	Arizona Outlaw Diamondbacks
N6MU	78,069	491	159	CA		K17Y	43,673	367	119	OR	
NC6K	77,914	478	163	CA		NG7Z	36,356	298	122	AZ	Arizona Outlaw Tarantulas
NA6MG	57,546	417	138	CA		KL2R (N1TX)	34,476	338	102	KL7	Radio Alaska
N6PN	50,038	394	127	CA		KL7SB	33,212	361	92	KL7	Radio Alaska
KH6CJJ	44,892	348	129	KH6		WL7F	31,411	311	101	KL7	Radio Alaska
AF6GA	41,656	328	127	CA		AL9A	24,200	275	88	KL7	Radio Alaska
K6GHA	41,616	316	136	CA	NCCC #3	KB7N	23,956	212	113	WA	
N3ZZ	38,682	307	126	CA	NCCC #4	*WC7S	23,652	219	108	WY	GM Broncos 2
WA5TVO	34,629	291	119	CA		W9CF	20,291	197	103	AZ	Arizona Outlaw Diamondbacks
W6BB (DG1CMZ)	34,013	301	113	CA	NCCC #3	K7GS	19,313	217	89	WA	
KZ2V	33,402	293	114	CA	NCCC #4	K7ABV	19,228	253	76	MT	Big Sky Contesters COLDER
AJ6V	33,150	390	85	CA	NCCC #2	NE4RD	18,715	197	95	MT	Big Sky Contesters COLD
N6WM	28,750	250	115	CA	NCCC #5	W7POE	16,646	203	82	WA	
W6LD	28,520	310	92	CA		WA7YAZ	16,548	197	84	UT	
N6RO	26,781	237	113	CA		WN7Y	15,200	190	80	MT	Big Sky Contesters COLDER
KM6I	21,437	221	97	CA	NCCC #2	K7WA	15,048	198	76	WA	
K6MR	20,064	228	88	CA		N7RVD	13,494	173	78	WA	
WA6URY	19,110	195	98	CA		K7VIT	13,013	169	77	OR	
W1PR	18,018	182	99	CA		W7GF	12,168	156	78	OR	
N6VH	17,654	182	97	CA		K7HBN	10,164	154	66	WA	
NA6O	17,424	176	99	CA	NCCC #3	*N7RCS	9,152	143	64	ID	
NØKQ	14,608	166	88	CA		N3KCJ	9,028	122	74	AZ	Arizona Outlaw Gila Monsters
W1RH	14,282	193	74	CA	NCCC #2	AK7O	8,016	167	48	UT	
AI6DO	11,398	139	82	CA		AE7DW	7,820	115	68	AZ	
KA6MLE	10,656	148	72	CA		AL1G	7,348	167	44	KL7	Radio Alaska
N6NG	10,240	128	80	CA		WS7V	7,215	111	65	WA	
WW6D	9,656	142	68	CA		*N7JI	6,667	113	59	OR	
AF6WG	7,956	117	68	CA		N7VS	6,120	120	51	OR	
K6CTA	7,956	117	68	CA		N7GOA	6,030	90	67	ID	
K6CSL	6,912	108	64	CA		*NN7SS (K6UFO)	5,487	93	59	WA	NCCC #4
WB6JJJ	6,912	108	64	CA		WO7V	5,304	102	52	OR	
K6SRZ	5,425	155	35	CA		WB7UBC	4,536	84	54	OR	
KM6HB	4,929	93	53	CA		KF7DX	3,069	99	31	WA	
N2CJN	4,876	92	53	CA		*W7TST (KØ7I)	2,964	78	38	WA	
KK6I	4,784	92	52	CA		KC7V	2,379	61	39	AZ	
W6RKC	2,888	76	38	CA	NCCC #4	KB7XL	2,242	59	38	NV	
N6AN (@W6UE)	2,680	67	40	CA		K7ARJ	2,211	67	33	ID	
AC6SL	2,574	66	39	CA		W7TX	1,102	38	29	ID	
N6DZR	2,460	60	41	CA		KE7AUB	588	28	21	OR	
N6CHU	2,048	64	32	CA		N7TMS	576	36	16	ID	
NC6V	1,734	51	34	CA		N6KW	88	11	8	WA	
W6EU	1,475	59	25	CA	NCCC #5	KT7G	64	8	8	WA	
KI6OY	1,426	46	31	CA		W6NS	63	9	7	NV	
K6GT	1,350	45	30	CA		W7OQ	25	5	5	OR	
W6RGG	1,045	55	19	CA							
*K6XX	864	36	24	CA	NCCC #4	NA8V	173,271	777	223	MI	NCC/MRRC Team 1
N2NS	550	25	22	CA	NCCC #5	W1NN	167,480	790	212	OH	NCC/MRRC Team 2
K6DGG	522	29	18	CA		N8BJQ	156,870	747	210	OH	
KØ6LU	416	26	16	CA	NCCC #6	W8CAR	146,322	739	198	OH	NCC/MRRC Team 1
KE6QR	325	25	13	CA		KV8Q	109,650	645	170	OH	
WH7W	238	17	14	KH6		K8AJS	104,208	624	167	OH	
WA6JRZ (W6XK)	228	19	12	CA		K8RYU	92,400	588	175	OH	NCC/MRRC Team 3
WU6X	81	9	9	CA		K8BTU	78,100	550	142	OH	
W7TR (KH2TJ)	20	5	4	CA		W8KTQ	74,256	476	156	OH	
						WU8R	64,032	464	138	OH	NCC/MRRC Team 2
						ND8L	55,796	377	148	OH	NCC/MRRC Team 2

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AF8A	53,865	405	133	OH	NCC/MRRC Team 2	KB9NW	9,384	136	69	IL	SMC One Particular Harbour
*KT8K	51,724	388	134	MI	NCC/MRRC Team 4	KØTQ	7,860	131	60	IN	
WB8JUI	48,678	427	114	OH		KC9UJS	6,448	104	62	IL	SMC Bama Breeze
K3JT	46,238	379	122	WV	PVRC Expats	N9EP	6,160	112	55	IL	
K8GT	38,796	318	122	MI	NCC/MRRC Team 1	KW9U	5,225	95	55	IL	SMC Pencil Thin Moustache
N4HAI	35,534	326	109	OH		KU9V	5,060	92	55	IN	SMC A Pirate Looks at Forty
KW8N	35,456	277	128	OH	NCC/MRRC Team 3	W9XT	4,900	98	50	WI	SMC Margaritaville
KB8TYJ	34,521	315	111	MI		K9IJ	4,888	104	47	IL	SMC Volcano
N8SBE	30,580	278	110	MI	NCC/MRRC Team 2	WD8DSB	4,550	130	35	IN	
WA1UJU	29,680	265	112	MI		WB8BZK	4,500	100	45	IL	
W8TM	27,300	260	105	OH		KX9DX	3,182	74	43	IL	SMC Pencil Thin Moustache
NX8G	27,234	267	102	OH		WU9D	3,075	75	41	IN	SMC It's 5:00 Somewhere
N8FYL	26,869	277	97	MI		K9GY	2,871	87	33	IL	SMC Volcano
*KE8M	25,252	236	107	OH		K9LA	2,838	66	43	IN	SMC Changes in Latitudes
K8BL	24,698	233	106	OH	NCC/MRRC Team 5	KA9CAR	2,035	55	37	IL	
KB8KMH	23,760	231	108	WV		KK9EJ	2,014	53	38	IN	SMC Bama Breeze
K3DMG	15,548	169	92	OH		K9GS	1,950	65	30	WI	
W8PEN	14,707	191	77	OH		KB9O	1,600	50	32	IL	
N8II	13,861	167	83	WV	PVRC Northwest 3	N9GUN	1,484	53	28	IL	SMC Pencil Thin Moustache
*N8XX	11,704	152	77	MI	NCC/MRRC Team 3	*AF9J	1,320	44	30	WI	SMC Fins
K7DR	11,448	159	72	MI		N9JF	1,305	45	29	IL	SMC Coconut Telegraph
K8MP	7,720	193	40	OH		NJ9T	840	30	28	IL	SMC Growing Up Not Older
N4DLR	7,626	123	62	OH		WE9V	736	32	23	WI	SMC Margaritaville
KØACP	7,625	125	61	MI		KK9V	672	32	21	IN	SMC Bama Breeze
NF8M	7,497	119	63	MI	NCC/MRRC Team 4	NG9M	540	27	20	IN	SMC Growing Up Not Older
AD8Y	4,895	89	55	OH		K9SG	532	28	19	IN	
W8KNO	4,512	94	48	OH	NCC/MRRC Team 5	W9YS	494	26	19	IL	
*K8ZT	4,410	98	45	OH		K9IG	408	24	17	IN	SMC Changes in Latitudes
AB8OU	4,410	90	49	OH		K9ZM	400	25	16	IL	SMC One Particular Harbour
N9AUG	3,168	66	48	OH		KC9EE	375	25	15	IL	SMC Bama Breeze
*N8BB	3,150	75	42	MI		N7MB	300	20	15	IL	
NS8Q	2,720	68	40	MI		AJ9C	240	16	15	IN	SMC Fins
W8ZA	2,160	60	36	WV	PVRC Multi Chapter 1	NG9R	224	16	14	IL	SMC Growing Up Not Older
WA8KAN	2,047	89	23	WV		AI9T	209	19	11	IL	SMC Fins
N8GAS	1,305	45	29	MI		W9KG	150	15	10	IN	
AC8E	1,222	47	26	OH	NCC/MRRC Team 5	N9DT	72	9	8	IL	
W8EH	663	39	17	OH		KR9U	20	5	4	IL	SMC A Pirate Looks at Forty
K8ANM	154	14	11	OH		K2DRH	16	4	4	IL	
N8TCP	150	15	10	OH		WB9TFH	6	3	2	WI	
W8JPF	77	11	7	OH		K9DUH	1	1	1	IL	SMC Volcano
WE8UPJ	56	8	7	MI		KC9UHH	1	1	1	WI	
						*KC9TUI	0	0	0	IL	
N9CK	282,720	1178	240	WI	Ad Hoc	KØEU	328,668	1347	244	CO	
W9RE	275,145	1079	255	IN	Ad Hoc	K3PA	244,944	1008	243	KS	KCCC Royals
K9MA	177,234	816	218	WI		NØAT	225,965	1051	215	MN	MWA Lutfefisk
K9BGL	168,130	782	215	IL		NØAX	209,668	989	212	MO	SMC Cheeseburger in Paradise
K9WX	158,148	828	191	IN	SMC Cheeseburger in Paradise	ABØS	198,030	966	205	KS	
K9NR	146,972	726	203	IL	SMC Cheeseburger in Paradise	KØAD	189,288	956	198	MN	MWA Lutfefisk
N9CO	127,095	687	185	IL	SMC Pencil Thin Moustache	WØDLE	186,559	947	197	CO	GM Broncos 1
WT9U	109,200	728	150	IN		KØVBU	177,400	887	200	KS	KCCC Royals
W9ILY	99,360	540	184	IL	Metro Marauders	WØOR	164,640	840	196	MN	MWA Lutfefisk
K3WA	87,420	564	155	IL	SMC Cheeseburger in Paradise	KTØA	162,610	1011	161	SD	GM Broncos 1
K9MMS	86,130	522	165	IL		WØETT	147,183	691	213	CO	GM Broncos 2
W9IU	68,414	433	158	IN		KØMPH	145,540	766	190	MN	MWA Lutfefisk
*N9SE	64,930	430	151	IN		NWØM	145,344	757	192	MO	KCCC Royals
N7US	64,380	444	145	IL	SMC Boat Drinks	KØBJ	141,700	656	218	KS	GM Broncos 1
W9WI	62,916	428	147	WI	SMC Cheeseburger in Paradise	KIØI	139,194	703	198	MO	KCCC Royals
WT2P	50,964	411	124	IL	SMC Boat Drinks	WØGX	136,080	810	168	IA	SMC Boat Drinks
K9CS	49,067	353	139	IL	Metro Marauders	KØVXU	117,000	600	195	KS	KCCC Royals
KT9L	39,562	302	131	IN	SMC A Pirate Looks at Forty	*WØCO	100,897	619	163	CO	GM Broncos 2
W9QL	38,962	322	121	IL	SMC Growing Up Not Older	KØAV	99,624	593	168	CO	GM Broncos 2
N9TK	37,842	318	119	IL	Metro Marauders	KØPK	93,808	533	176	MN	MWA Lutfefisk
K9CW	37,674	299	126	IL		KFØUR	89,712	623	144	CO	GM Broncos 1
WA9LEY	35,100	300	117	IL	Metro Marauders	KØOU	81,249	511	159	MO	KCCC Chiefs
W9TC	34,352	304	113	IN	SMC It's 5:00 Somewhere	AAØFO	75,306	462	163	KS	KCCC Chiefs
AB9YC	32,431	287	113	IL	SMC Fins	W6NF	73,710	455	162	MN	RSM 1
WB9HFK	31,616	304	104	IL	SMC Margaritaville	KØTI	67,584	528	128	MN	MWA Lefse
N9WKW	29,458	286	103	IN		K3WT	66,990	462	145	MN	MWA Spam
K9PG	28,917	243	119	IL	SMC Coconut Telegraph	NXØI	56,992	416	137	MO	KCCC Chiefs
WD9CIR	28,355	265	107	IL	SMC Margaritaville	WØODS	56,168	413	136	IA	
KS9W	26,442	234	113	IL	SMC A Pirate Looks at Forty	NØHJZ	56,140	401	140	MN	MWA Lefse
W9SE	25,740	234	110	IL	SMC It's 5:00 Somewhere	KØUK	54,780	415	132	CO	GM Broncos 2
NS9I	23,870	217	110	WI		K4IU	53,793	387	139	MN	MWA Lefse
KD9MS	22,236	218	102	IL	SMC Bama Breeze	WØBH	53,568	372	144	KS	
WB8RFB	22,152	213	104	IL	SMC Margaritaville	WØERP	52,930	395	134	MN	MWA Lefse
WW9R	21,402	261	82	WI	SMC It's 5:00 Somewhere	*KSØMO	52,272	396	132	MO	
KK9DX	21,400	200	107	IL		WØUY	47,064	318	148	KS	
N9TF	21,070	215	98	IL	SMC Coconut Telegraph	KØWA	46,336	362	128	KS	
N9LQ	19,019	209	91	IL	SMC Coconut Telegraph	KØAP	46,056	404	114	KS	KCCC Chiefs
N9LJX	13,797	189	73	IN	SMC Coconut Telegraph	KØTC	45,016	331	136	MN	
W9DCA	13,524	161	84	IL	SMC Growing Up Not Older	KMØO	40,067	389	103	MN	MWA Spam
N9LF	12,551	163	77	IN		NØTA	35,952	321	112	CO	GM Broncos 3
KB9S	11,139	141	79	WI		KA8HDE	35,420	308	115	MN	
K9OR	10,863	153	71	IL	SMC Changes in Latitudes	K6XT	34,874	329	106	CO	GM Broncos 3
K9ZO	10,710	153	70	IL	SMC One Particular Harbour	WØLSD	32,768	256	128	CO	
AA9A	10,220	140	73	WI	SMC Boat Drinks	KCØURL	30,821	259	119	MN	
K9AY	9,804	129	76	WI	SMC Volcano	*NØLY	29,140	310	94	MO	
KG9N	9,675	129	75	IL							



Figure 2 — The efficient layout at second-place QRP scorer KØAV.

Call Sign	Score	QSOs	Mults	QTH	Team
KIØJ	28,680	239	120	CO	
NØGOS	26,772	276	97	CO	
NØBUI	24,346	259	94	MN	MWA Wild Rice
WBØN	22,746	223	102	MN	MWA Wild Rice
ACØW	22,230	234	95	MN	MWA Spam
NØKK	17,204	187	92	MN	MWA Spam
NØOK	13,600	160	85	MN	MWA Wild Rice
NØUY	13,286	146	91	MN	
KØKPH	12,450	166	75	NE	
NTØAF (KD4POJ)	11,644	142	82	ND	
KØCF	10,679	181	59	IA	
WØRX	9,230	130	71	MN	
NFØN	8,236	116	71	NE	
NRØT	8,125	125	65	MN	MWA Hot Dish
N9HDE	7,950	150	53	IA	
WØKIT	6,762	98	69	CO	
KØRC	5,590	130	43	MN	
KØALT	5,238	97	54	CO	
WØZF	3,404	74	46	MN	
KDØUWZ	3,219	87	37	MN	
WI9P	2,040	60	34	MN	MWA Hot Dish
*KØTLG	1,650	50	33	MN	MWA Hot Dish
WØXE	1,540	44	35	KS	
WØZA	1,196	52	23	CO	GM Broncos 3
*KØPIR	946	43	22	SD	
ADØAK	817	43	19	IA	
KØJV	567	27	21	SD	
KØQMU	459	27	17	MN	
NNØJS	400	25	16	MO	
NUØW	374	22	17	MN	
*WØYJT	336	21	16	KS	
NØQLT	336	21	16	MO	
KBØBN	272	17	16	MN	
KJØP	168	14	12	MN	
NØFN	112	14	8	IA	
NØUK	54	18	3	MN	

Call Sign	Score	QSOs	Mults	QTH	Team
VE3JM	224,978	1019	221	ON	CCO Team 1
VE3EJ	223,685	913	245	ON	CCO Team 1
VE3CX	153,722	763	202	ON	CCO Team 1
VE9AA	145,522	754	193	NB	RSM 1
VE3KI	145,189	739	197	ON	CCO Team 1
VE3RZ	126,488	652	194	ON	CCO Team 2
VA7ST	122,298	654	187	BC	
VE3KZ	121,200	606	200	ON	CCO Team 1
VE3VN	115,414	598	193	ON	CCO Team 2
VE3YT	86,193	549	157	ON	
VA3EC	80,842	487	166	ON	CCO Team 2
VE3GFN	77,154	501	154	ON	CCO Team 2
VA3ATT	74,358	486	153	ON	
VE2AWR	60,048	432	139	QC	
VE5MX	57,572	389	148	SK	
VE5SDH	47,747	360	133	SK	
VE4EA (VE1RM)	47,347	419	113	MB	RSM 1
VE5SF	45,227	497	91	SK	
VE3KP	43,524	351	124	ON	
VE3IAE	43,310	355	122	ON	
VE3TW	43,230	330	131	ON	CCO Team 2
VE3BR	28,188	261	108	ON	CCO Team 3
VE3HG	22,705	239	95	ON	CCO Team 3
VE5GC	19,227	221	87	SK	
VO1QU	18,404	214	86	NL	
VA1MM	16,600	200	83	NS	
VA2SG	15,600	195	80	QC	NorDX club
VE9OA	13,920	160	87	NB	
VA3RKM	13,706	154	89	ON	CCO Team 3
VE2ZT	13,505	185	73	QC	NorDX club
VA3IK	11,325	151	75	ON	
VE4DXR	10,764	138	78	MB	RSM 1
VE7IO	8,100	135	60	BC	
VA3KAI	7,424	116	64	ON	
VE3RDE	6,608	121	56	ON	
VY1AAA (W1VE)	6,588	108	61	YT	YCCC Jerry's Hudson Multiops
VE4VT (VE4EAR)	5,508	102	54	MB	RSM 1
*VE3XT	5,184	96	54	ON	
VE2EZD	5,040	112	45	QC	
VA2ES (VE2AXO)	4,784	104	46	QC	
VE3FJ	4,410	98	45	ON	
VE3EP	2,520	60	42	ON	
VE2QV	2,340	60	39	QC	
VY2LI	2,200	55	40	PE	
*VE3DQN	2,173	53	41	ON	
VE2SRP	1,120	40	28	QC	
VE7BGP	1,120	40	28	BC	
VE8NSD	522	29	18	NT	
*VE3KQN	345	23	15	ON	
VE2VIA	255	17	15	QC	NorDX club
NP2X (K9VV)	227,240	989	230	KP2	NCC/MRRC Team 1
NP3A	187,533	933	201	KP4	LOS CHACHOS
KP3W	111,723	669	167	KP4	LOS CHACHOS
KP3Z (NP4G)	85,085	595	143	KP4	
KP4EJ	76,104	504	151	KP4	LOS CHACHOS
HI3TT	52,536	398	132	HI	LOS CHACHOS
HI3CC	34,452	261	132	HI	LOS CHACHOS
XE2MX	13,468	148	91	XE	
XE2MVY	765	45	17	XE	
OK7M (OK1DIG)	27,058	326	83	DX	
PY2NY	11,396	148	77	DX	
LU1FAM	4,437	87	51	DX	
DL5JQ	1,440	48	30	DX	
LU1ICX	1,248	52	24	DX	
LW1EUD	1,075	43	25	DX	
UR5MM	240	20	12	DX	
*F/OM2ZA	49	7	7	DX	

*QRP

Multioperator, Two Transmitter Scores

Call Sign	Score	QSOs	Mults	QTH	Operators	Call Sign	Score	QSOs	Mults	QTH	Operators
K5GO	747,192	2292	326	AR	K5GO, K5LG, KM5PS, N5DX, N5WR	AF4Z	16,660	196	85	FL	WF3C
W2FU	729,393	2217	329	NY	KØSM, K2TJ, N2ZN, NW2K	NR4C	16,598	193	86	VA	NR4C
NØNI	612,077	2089	293	IA	KC8R, NØAC, NØNI, NØXR, WØFLS	KØKX	15,272	166	92	MN	KØKX
K7JR	578,976	1957	296	OR	KL9A, N5RZ	WØGUY	14,985	185	81	KS	WØGUY
NC4KW	512,544	1686	304	NC	AA4FU, N1LN, N4YDU, WØUCE	K3NDM	14,976	192	78	MD	K3NDM
NY3A	437,294	1573	278	MD	K3WI, NY3A, WX3B	AK2S	14,960	176	85	NJ	AK2S
NX6T	371,664	1424	261	CA	NØDY., N6CY, N6KI, W6JBR, WQ6X	K1GG	12,040	140	86	VA	K1GG
WØNA	363,500	1477	250	VA	K3TN, K4XD, KJØD, N1RM, W3UL, W4AAW	W6JBR	11,792	134	88	CA	W6JBR
KH6LC	257,244	1164	221	KH6	AH6RE, KH6LC, NH6V, W6NV	K3IU	11,771	149	79	RI	K3IU
N7IP	255,132	1223	228	MT	KØSN, N7IP	W2SFD	10,220	146	70	NY	W2SFD
N7BV	212,381	964	221	WA	K7NEW, N7BV, N7NM	N9OK	10,143	147	69	IL	N9OK
W4ML	192,000	768	250	VA	W4MYA	W4EE	10,108	133	76	FL	W4EE
W2SO	130,550	749	175	NY	AA2ZW, AG2AA, KA2DDX, KC2ZEX	AD5XD	9,100	140	65	TX	AD5XD
NSØR	129,267	813	159	KS	NSØR	WØYK	8,844	134	66	NY	WØYK
K3CCR	122,286	687	178	MD	N3UM, W3GB	WØRAA	8,840	130	68	CO	WØRAA
W9AV	116,850	626	190	WI	W9AV	K3WYC	8,652	103	84	AZ	K3WYC
W3KB	104,400	600	174	PA	W3KB	K5ZQ	8,260	118	70	KY	K5ZQ
K5TQ	94,710	615	154	NM	K5TQ	NE3H	8,253	131	63	PA	NE3H
KG3V	84,597	519	163	VA	KG3V	NØMA	7,695	135	57	IA	WØIY, W7II
NJ8M	75,894	624	139	KS	NJ8M	N9NA	7,505	95	79	AZ	N9NA
N8EA	74,448	423	176	MI	N8EA	NU4N	7,176	138	52	KY	NU4N
AA3S	64,930	430	151	MD	AA3S	K9ZT	6,901	103	67	WI	K9ZT
KE3X	61,701	393	157	MD	K3ADN, KE3X	N2QT	6,336	99	64	VA	N2QT
W3LL	58,548	357	164	MD	W3LL	W9PA	5,605	95	59	IN	W9PA
VE2FK	51,054	402	127	QC	VE2FK	K2NV	5,472	96	57	NY	K2NV
WA8ZBT	49,560	354	140	TX	WA8ZBT	4U1WB	5,459	103	53	MD	AJ3M
N2BJ	44,225	305	145	IL	N2BJ	K6NV	5,454	101	54	CA	K6NV
AC4CA	42,182	322	131	TX	AC4CA	W4ZYT	4,816	86	56	VA	W4ZYT
WGØM	41,958	333	126	MN	WGØM	AB3CV	3,906	93	42	MD	AB3CV
W5TM	40,018	374	107	OK	W5TM	NØECK	3,431	73	47	MN	NØECK
W4VIC	38,750	310	125	VA	W4VIC	NN3RP	3,362	82	41	MD	NN3RP
N7DXT	35,695	295	121	MT	N7DXT	N1MD	3,136	64	49	CT	N1MD
K6EU	34,960	304	115	CA	K6EU, W6CT	KR6N	2,870	82	35	CA	KR6N
NØEO	33,804	313	108	MN	AAØAW	NA1DX	2,835	81	35	MD	NA1DX
WØVTT	29,260	308	95	MN	WØVTT	WM9Q	2,772	66	42	IL	WM9Q
K4MI	29,046	282	103	VA	K4MI	WA7SHP	2,356	62	38	OR	WA7SHP
KG4W	28,620	212	135	VA	KG4W	AF7S	2,337	57	41	OR	AF7S
N3UA	28,560	280	102	VA	N3UA	W3HAC	1,995	57	35	MD	KØOO
KS4X	26,676	228	117	TN	KS4X	KØMD	1,728	54	32	MN	KØMD
TM6M	26,568	246	108	DX	F1AKK	N3AFT	1,222	47	26	MD	N3AFT
NJ9R	25,272	234	108	IL	NJ9R	WC3O	943	41	23	PA	WC3O
W9GFB	24,960	260	96	IL	W9GFB	KK4VA	777	37	21	VA	KK4VA
KI1U	24,854	289	86	CT	KI1U	KTØR	756	28	27	MN	KEØL
AAØAI	23,800	175	136	IA	AAØAI	AB9M	682	31	22	IL	AB9M
WØJPL	23,226	237	98	MO	KØJPL	WØELT	375	25	15	WI	WØELT
N3YUG	20,493	207	99	MD	N3YUG	AB1VL	288	18	16	ME	AB1VL
W9QA	20,358	234	87	IL	W9QA	K7AHF	286	22	13	UT	K7AHF
W3DAD	19,474	214	91	MD	W3DAD	N6IC	273	21	13	CA	N6IC
W6SFM	18,700	220	85	CA	AI6U, K6JJR, K6LQ, KJ6CA, N6MQL, WB6UBK	N4BCD	272	17	16	TN	N4BCD
W1IE	18,165	173	105	VA	W1IE	W4HVH	165	15	11	LA	W4HVH
KØBX	16,766	202	83	MO	KØBX	W6GJB	81	9	9	CA	W6GJB
						AD4YQ	36	6	6	FL	AD4YQ
						W3YY	1	1	1	VA	W3YY

Check Logs: AB1J, AD7XG, K1SX, K2RB, K3RA, K5TIA, K5TRI, K5VIP, K7EG, KA1IØR, KA1J, K18R, N1EN, N1KM, N6NC, NZ3Ø, UT/SP2BPD, VE3VSM, WØVX, W6SX, WA3AER, WC7Q