

Results: North American QSO Party SSB — August 2016

As the current Solar Cycle declines, comments about poor band conditions tend to escalate. While some bemoan the conditions, others research and plan to minimize the effect of the declining conditions on their score. Once, I studied scores of stations at different latitudes over the course of a sunspot cycle. These stations were approximately 300 miles north, 300 miles south, and 600 miles south of my location. The station farthest north saw an immediate drop in contact numbers the first year after the peak. At my own station, the drop was delayed a year, and it was delayed another year or two for the stations to my south.

What can you do to counter this? As I saw it: Work harder to keep the rate up or find ways to get more contacts into the log. Also, putting more effort into reducing error rate and focus on finding multipliers during those low-rate periods can help counter the drop in score. I do all of this knowing that I probably will not have 10 meter — and possibly 15 meter — propagation. While this sounds like what a person should do for every contest I made a more serious

effort to do it this time.

During the August NAQP, several stations tried to move me to 10 or 15; most of those attempts failed. Knowing that people were making contacts on 10 and 15 when I wasn't caused me to alter my plans, putting a little more focus on multipliers at the expense of rate. Overall I got pretty decent results with my strategy. I'm interested in hearing what changes you made in your strategy in order to counter declining sunspots.

Top 10 Combined Scores

Call Sign	Total	CW	SSB
KØEU	961	500	461
N9RV	693	368	325
N7MH	675	366	309
K9VV	672	349	323
K9NR	605	247	358
N9NB	593	275	318
N4OX	585	193	392
K7SV	554	333	221
KY7M	552	295	257
VE3CX	552	238	314

Single Operator

In the Single Operator category Drew, K3PA, in Kansas finished in 1st place. Following in 2nd place again was Ken, KØEU, in Colorado. Dave, W6NL, finished 3rd from California. Finishing 4th was Bill, KØUK, in western Colorado. Dropping to 5th place from his January 2nd place finish was George, NR5M in Texas.

Log checking did not affect finishing positions this time, with score reductions ranging from 1.4% for W6NL to 4.2% for K3PA. The average score reduction for the Top 10 was 2.6% with reductions ranging from 1.4% to 5.2%.

QRP

Finishing 1st in the QRP category was Ken, K6MR, in California. In 2nd was Bill, NW3H, in Pennsylvania. Moving up to 3rd from a previous 5th place finish was Sonny, AB3WS in Maryland. Finishing 4th was Russ, N8MWW, in Ohio. In a return to SSB contesting Dale, WC7S, finished in 5th place in the QRP category from Wyoming.

Single Op Top 10 Breakdowns

Call Sign	Score	QSOs	Mults	160	80	40	20	15	10	Team
K3PA	222,622	1409	158	31/15	82/29	702/58	584/48	9/7	1/1	KCCC North
KØEU	205,320	1180	174	35/19	124/35	272/49	686/51	57/15	6/5	GM Buckskin Joes
W6NL	190,550	1030	185	37/11	88/27	253/49	465/58	167/37	20/3	NCCC Team #1
KØUK	184,094	1109	166	20/13	93/34	351/54	604/51	40/13	1/1	GM Buckskin Joes
NR5M	179,068	1006	178	19/11	45/21	300/57	530/53	80/23	32/13	DFWCG-Aragorn
N4OX	174,582	954	183	13/10	103/31	273/41	378/55	147/29	40/17	
K9NR	159,680	998	160	39/15	156/36	466/55	314/41	17/9	6/4	SMC Swimming
N6IE	158,875	1025	155	6/2	57/18	300/50	568/54	94/31	0/0	
ACØW	156,372	942	166	47/17	201/46	341/50	345/47	7/5	1/1	MN State Fair
NT5V	145,235	937	155	0/0	33/15	301/47	493/54	90/28	20/11	DFWCG-Aragorn

Single Op QRP Top 5 Breakdowns

Call Sign	Score	QSOs	Mults	160	80	40	20	15	10	Team
K6MR	10,368	144	72	13/5	21/8	27/17	64/32	19/10	0/0	NCCC Team #2
NW3H	8,360	152	55	0/0	7/6	117/34	28/15	0/0	0/0	Arizona Outlaws-Scoundrels
AB3WS	7,198	122	59	1/1	41/16	58/28	20/12	2/2	0/0	PVRC Explorers
N8MWW	5,063	83	61	1/1	21/14	30/23	13/12	16/9	2/2	
WC7S	4,896	102	48	1/1	13/9	51/22	30/14	7/2	0/0	GM Gold Park

Multi-Two Breakdowns

Call Sign	Score	QSOs	Mults	160	80	40	20	15	10
NV9L	281,394	1463	193	55/22	259/48	654/58	456/49	30/12	4/4
KD4D	271,206	1482	183	32/12	295/43	431/54	581/48	137/22	6/4
N5YA	261,783	1479	177	28/14	67/24	602/56	639/51	125/21	18/11

We can hope that Dale will return to hand out the rare Wyoming multiplier.

We all know the challenges QRP operators have in trying to break pile-ups, but I never realized they also have a challenge in terms of log accuracy. This group saw an average score reduction of 10.5%. I suspect most of this is due to NIL of the station they claimed to work. Ken, K6MR, did a very good job with only a 1.4% score reduction.

Multi-Two

After several years of familiar call signs in the M2 Top 5 box, we finally have several new call signs making the top of the list. Taking first place was NV9L, with Val and Jerry, WB9Z, operating from Illinois. In January Val finished second in the QRP category. In his first- ever NAQP SSB, Mark, KD4D, assembled the team of KD4D, N8IVN, N3QE, W2CDO, and K3AJ to operate M2 from N3HBX in Maryland. Operating under Mark's call sign, KD4D, they finished in 2nd place. Taking 3rd was N5YA, with operators K5QE, AE5VB, N1XS, and N5YA in Texas. In 4th place was NX6T, with a group of 11 different operators in California. Closing out the Top 5 is W5MX with W5MX, AJ4A, and KJ4YLR, operating from Kentucky. This was the first-ever M2 operation from Tom's new contest site.

While log checking didn't affect the order of finish, the potential was there, with one station having a score reduction of 7.3%. W5MX did the best in this group with a score reduction of only 1.0%.

Team Contesting

Team contesting adds a fun element for many individuals by forming a group of individuals to compete for a common result, and it provides a greater incentive to spend more butt-in-chair time. This time 88 teams were active, with roughly one-third of the participants on a team. To be on a team, operators must be in the Single Operator category, cannot use high power, cannot use spotting or assistance, and cannot be a multiop. Every event I see teams lose critical points because one member entered as something other than Single Operator.

Register your team on the *NCJ* website prior to the start of the contest. If you have issues with the registration process, contact me as soon as possible, so that we can them correct quickly. The longer you wait after the contest to bring team registration issues to my attention, the less likely they can be corrected.

Finishing first is the Team Competition was NCCC Team # 1, consisting of W6NL, W6YX, WC6H, WX5S, and W7RN. The 2nd place team was DFWCG, Aragon, with NR5M, NT5V, N5UM, AD5XD, and WB0TEV on the team. The 3rd place

Team Scores

<i>1. NCCC Team #1</i>	
W6NL	190,550
W6YX	137,700
WC6H	126,616
WX5S	103,950
W7RN	99,975
Total	658,791

<i>2. DFWCG-Aragorn</i>	
NR5M	179,068
NT5V	145,235
N5UM	96,052
AD5XD	75,140
WB0TEV	37,830
Total	533,325

<i>3. GM Buckskin Joes</i>	
K0EU	205,320
K0UK	184,094
N7MZW	72,094
W0ETT	68,774
Total	530,282

<i>Team</i>	<i>Operators</i>	<i>Total</i>
4. SMC Swimming	K9NR, W9PA, WT9U, W9QL, WT2P	411,434
5. Arizona Outlaws-Ruffians	KY7M, NY7N, KK7AC, AE7VA, N9NA	343,514
6. KCCC North	K3PA, K0DEB, K0VBU	281,402
7. Rappahannock	N9NB, K7SV, KG3V, K4GMH, N4CF	279,181
8. MN State Fair	AC0W, K0AD, N0XT, N0AT, W6GMT	262,020
9. NCCC Team #2	N6ZFO, K2RD, K9YC, AE6Y, K6MR	231,497
10. KCCC South	K0OU, NW0M, KI0I	193,876
11. SECC	K4BAI, N4EWT	130,586
12. KCG	ND4Y, KE4KY, K4FXN, N4JRG	114,104
13. SCCC #1	VY2TT, KI6VC, WQ6X	101,224
14. NCCC Team #3	K6GHA, N3ZZ, KA6BIM, NA6O, N3RC	94,567
15. SMC Cycling-BMX	AJ9C, KR9U, K9MMS, K9LA, WW9R	91,686
16. PVRC Northwest #3	N8II, W3LL, W3GVX	89,137
17. SMC Water Polo	W9RE, N9TF, W9DCA, WO9S, AC9IG	81,000
18. SMC Rowing	WD9CIR, WB9HFK, N9LJX, W7KAM, N2BJ	79,140
19. PVRC Explorers	NA1DX, AB3WS, K3NDM, N3HU	71,299
20. PVRC DC Metro #2	WB2ZAB, W3IUU, WB4FDT	70,537
21. SCCC #2	AA6PW, W6TK, KK6NON, N6PM	69,214
22. PVRC North Carolina East	N4YDU, N4GU, K3TD, K4TMC	63,147
23. SCCC #3	WN6K, NE6I, KK6ABZ	60,479
24. GCG #1	N9GQA, K4VBM, KB5JC, K4NV, K4UN	60,308
25. Niagara Frontier Radiosport	W2RR, K2ZR	59,457
26. NCCC Team #6	K6SRZ, K6MM, W6OAT, K6ELE, ND2T	54,351
27. PVRC Northwest #4	WR3R, WA3AER	52,106
28. GCG #2	N9DFD, N4VDL	48,144
29. PVRC Southwest Virginia #1	K4XL, KC4D, K4YCR, N2QT	45,535
30. GM Gold Park	WB9KPT, W0RAA, WC7S, AK0BC	45,340
31. PVRC Northwest #1	K2PLF, K4FTO, K3TM, AB3CV, K8GU	44,857
32. DFWCG-Legolas	N5QQ, NW5Q, N5TIT, K9GWB, N5DTT	44,568
33. SMC Judo	AB9H, N9LQ, AB9YC	44,169
34. NCCC Team #4	N6EE, N0KQ, KR6N, K6KNS, NC6DX	38,811
35. El Jefe's Pistolitas	WA2JQK, WA3AFS, N2MTG, W2LK	38,657
36. Swamp Fox Contest Group	WN4AFP, AJ5E, N4VZ	37,309
37. KCG-PT	KK4BF, K4AVX	35,914
38. SMC Gymnastics	K9CQ, KJ9C, NG9R, K9GY	35,498
39. Arizona Outlaws-Scoundrels	KG7GYI, NW3H, AA7V, K7JQ	30,735
40. PVRC Northwest #2	KE4S, N3MK, N3VN, N4MM	30,036
41. PVRC Tidewater	KN4KL, W4VIC, KA1DBE, W4ZYT	29,373
42. PVRC DC Metro #1	N3JT, N3AM, K3KU	29,000
43. Order of Boiled Owls	KS2G, K2RB, N2MUN	22,752
44. Deep Dixie CC Team 1	K4AFE, NM5Z	21,868
45. SMC Track & Field	NJ9R, KC9EE, W8IPD, KK9EJ	20,695
46. PVRC Colonial Capital	K4MI, NR4C, AI4QQ	20,118
47. PVRC Annapolis	K3AU, W3UL, K4EET, K3ORC	17,101
48. ORCA	K6JAT, KE6IUE	16,543
49. YCCC Nor'Easters	N1DID, W1DYJ	14,624
50. Pamlico ARS Team B	N4LV, K4LTE, WM3X, KG4ISY	10,997
51. Gang of Old Goats	W5QLF, AB5XZ, N5VYS, KD3VK	8,908
52. NCCC Team #5	N6DQ, K6CSL, AF6SA, NN7SS, K6XX	8,198
53. SMC Wrestling	KW9U, K9ZM	7,138
54. Pamlico ARS Team A	AI4WL, KI4NSP, N1LGD	5,786
55. PVRC Southwest Virginia #2	NN4RB, W4WWQ	5,007
56. SMC Cycling-Road	K9DUR, KK9N, K9CC	4,824
57. NCCC Team #7	W6SX, K6DGW	4,384
58. PVRC Over the hill lunch bunch	K4HQQ	1,798
59. SMC Tennis	K9IJ, K3WA, KC9YL, AF9J	1,686
60. PVRC Downtown DC Lunch Group	W8LYJ	1,080
61. ECARA	N4DGN, W4SJV	1,045
62. Gartner School of Amateur Radio	K3JQH, N3FEL	1,035
63. K1HRR Hop River Radio Club	AB1NG, K1MTD	777
64. Penn Wireless Association	KE3LA	240

slot belongs to the Grand Mesa Buckskin Joes team of KØEU, KØUK, N7MZW, and WØETT. SMC Swimming finished 4th, with K9NR, W9PA, WT9U, W9QL, and WT2P. In 5th place was Arizona Outlaws Ruffians with KY7M, NY7N, KK7AC, AE7VA, and N9NA.

Combined Scores

After several attempts Ken, KØEU, finally has claimed the combined score plaque with a 1st place finish in the CW event and 2nd place finish in the SSB event. Dropping to 2nd place after earning the title

several times was Pat, N9RV, in Montana. Improving to 3rd (from 5th) place was Mike, N7MH, operating W6YX in California. Finishing fourth is Fred, K9VV, operating NP2X in the CW event and KP2RUM in the SSB event. Closing out the top five is Don, K9NR in Illinois.

Final Comments

Log checking reports are available upon request. To request your report, e-mail ssbnaqpmgr@ncjweb.com. Make sure to include the call sign you used during the contest.

For those looking for some practice, every Tuesday evening local time is the Phone Fray. The format is the same as NAQP. The event is only one-half hour long and really forces individuals to practice their timing and scheduling skills to do well. The event gets under way at 0230 UTC each Wednesday (Tuesday evening in US time zones). Rules can be found at www.perluma.com/Phone_Fray_Con-test_Rules.pdf

Hope to work you in the next NAQP SSB on Saturday, January 21. Check the [NCJ](http://www.ncjweb.com) website for full details, www.ncjweb.com.

Single-Operator Scores

Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH
N1IXF	40,204	437	92	CT	*AB3WS	7,198	122	59	MD	KE4KY	21,840	273	80	KY
K1IMI (N4CW)	13,664	224	61	ME	W3GVX	6,466	122	53	MD	W8RJL	21,004	236	89	VA
N1DID	11,060	158	70	CT	WA3HGW	5,940	108	55	PA	N4ZZ	17,686	239	74	TN
NG1I	9,729	207	47	MA	W3PH	5,141	97	53	MD	KØSTP	16,815	285	59	VA
K5ZD	6,156	108	57	MA	K3NDM	4,949	101	49	MD	K4MI	16,068	206	78	VA
W1DYJ	3,564	81	44	ME	K3KU	4,949	101	49	MD	K5KG/M	15,060	251	60	FL
KB1VXY	3,404	74	46	MA	W3UL	4,770	106	45	MD	K4AFE	14,875	175	85	TN
W1FJ	3,318	79	42	MA	W3BC	4,554	99	46	PA	KE4S	14,726	199	74	VA
W1ZFG	1,148	41	28	CT	K3TM	4,410	98	45	MD	AC4YD	14,678	179	82	KY
AB1DQ	999	37	27	CT	*N3TWM	3,960	90	44	PA	AD8J	14,559	211	69	NC
KE5ISO	782	34	23	ME	N3HU	3,520	80	44	MD	K4FXN	14,089	193	73	KY
K1SD	468	26	18	RI	W3KB	3,168	99	32	PA	N3JT	13,845	195	71	VA
AB1NG	425	25	17	CT	W3MBC	2,923	79	37	MD	NC4MI	13,770	170	81	NC
K1MTD	352	22	16	CT	K3JAG	2,560	64	40	PA	KG3V	13,394	181	74	VA
N1CEO	208	16	13	MA	K4EET	2,046	62	33	MD	N3MK	13,266	198	67	VA
W4FEB	99	11	9	MA	N3WZR	2,046	62	33	MD	K4GMH	13,201	307	43	VA
WA1DRQ	49	7	7	MA	K3MD	1,539	57	27	PA	N4CF	12,240	170	72	VA
KC1DIQ	42	7	6	CT	N3VN	1,534	59	26	PA	K4VBM	11,322	153	74	GA
KA2DTH	40	8	5	VT	AB3CV	1,479	51	29	MD	KN4KL	10,985	169	65	VA
W2RR (WA2AOG)	38,364	417	92	NY	W3CB	1,334	46	29	MD	KC4D	10,595	163	65	VA
K2ZR	21,093	267	79	NY	NX3V	1,176	49	24	PA	W4VIC	10,360	148	70	VA
N6EE	17,114	199	86	NY	W8LYJ	1,080	45	24	MD	KR4NO	9,966	151	66	SC
WA2JQK	17,017	187	91	NY	WB4FDT	1,075	43	25	MD	KB5JC	8,618	139	62	GA
WB2PJH	12,600	225	56	NJ	W3ZX	1,025	41	25	PA	N4BP	8,505	243	35	FL
K2CYE	11,895	183	65	NY	K3ORC	975	39	25	MD	KM4ODS	8,316	126	66	NC
KS2G	9,984	156	64	NY	K3JQH	900	36	25	PA	AJ5E	8,064	126	64	SC
K2RB	9,734	157	62	NY	KC3ASH	620	31	20	MD	W4LT	7,992	148	54	FL
AC2RL	9,362	151	62	NY	N3HEE	570	30	19	MD	N4GU	7,987	163	49	NC
WA3AFS	7,552	128	59	NY	KE3ZT	544	32	17	PA	KO4JY	7,714	133	58	VA
N2MTG	7,424	116	64	NY	KC3TOM	351	27	13	PA	AE4M	7,497	119	63	AL
KX1W	6,888	123	56	NY	ND3D	308	22	14	MD	N4LV	6,728	116	58	NC
W2LK	6,664	119	56	NY	NI3B	288	24	12	MD	KR4FS	6,318	117	54	VA
KA2HZP	4,747	101	47	NJ	KE3LA	240	20	12	PA	AJ4LN	6,180	103	60	VA
W2ID	4,592	112	41	NJ	N3NTF	160	16	10	PA	K4ORD	5,940	108	55	VA
NW2K	4,160	104	40	NY	N3FEL	135	15	9	PA	N4VDL	5,916	116	51	GA
N2MUN	3,034	82	37	NY	N3RUM	120	15	8	PA	KA1DBE	5,886	109	54	VA
WB2NVR	1,540	55	28	NY	W3SFG	42	7	6	MD	KJ4HZ	5,871	103	57	GA
AC2MT	1,326	51	26	NY	K3WTT	36	6	6	MD	K4NV	5,499	141	39	GA
KB2SDF	984	41	24	NJ	K8GU	16	4	4	MD	K4AMA	5,445	99	55	SC
K8MR	925	37	25	NJ	N3AFT	4	2	2	MD	NX4N	5,350	107	50	FL
KC2OSR	765	45	17	NJ	K3YMI	1	1	1	MD	AI4WL	5,200	100	52	NC
N2TMS	456	24	19	NY	N4OX	174,582	954	183	FL	NN4RB	4,944	103	48	VA
AC2IK	252	21	12	NY	N9NB	141,708	964	147	VA	K4UN	4,944	103	48	NC
KC2PDO	240	20	12	NJ	K4BAI	130,390	767	170	GA	K3TD	4,940	95	52	NC
KD2DVVW	81	9	9	NJ	K7SV	98,638	662	149	VA	K3SEN	4,922	107	46	FL
K2JF	15	5	3	NY	WV4R	79,100	700	113	FL	K3QQN	4,851	99	49	VA
KD2BME	15	5	3	NY	ND4Y	76,625	613	125	KY	K4FTO	4,848	101	48	VA
WX3B	4	2	2	NY	WD5F	72,306	702	103	FL	N4WD	4,752	88	54	GA
WB2ZAB	57,222	578	99	MD	N4YDU	49,950	450	111	NC	WA3DQS	4,600	92	50	NC
NA1DX	55,632	488	114	MD	N9DFD	42,228	391	108	GA	KA4FVE	4,590	85	54	SC
K3CCR (N3UM)	40,501	401	101	MD	KM4HI	38,880	360	108	FL	N4VZ	4,450	89	50	SC
WR3R	39,456	411	96	MD	KK4BF	33,835	335	101	KY	KE4YQG	4,050	90	45	NC
W3LL	34,608	336	103	MD	K4XL	30,600	306	100	VA	KK4ODQ	4,012	118	34	VA
K2PLF	34,104	348	98	MD	NA4K	29,970	405	74	TN	*K4WDR	3,880	97	40	GA
K3UA	17,580	293	60	PA	N9GQA	29,925	315	95	GA	KK4FEM	3,696	77	48	FL
WA3AER	12,650	230	55	MD	NU4X	27,680	346	80	KY	K4WLG	3,696	88	42	KY
W3IUU	12,240	153	80	MD	WX4SKY	27,097	343	79	GA	K4LTE	3,666	78	47	NC
N3AM	10,206	162	63	MD	WN4AFP	24,795	285	87	SC	NR4C	3,105	69	45	VA
K3AU (K2YWE)	9,310	190	49	MD	W4KTR	23,004	284	81	GA	K4YCR	3,040	76	40	VA
*N3H	8,360	152	55	PA	N2WF	22,188	258	86	GA	N4JOW	2,871	87	33	VA
					K4WI	22,010	310	71	AL	W4MY	2,849	77	37	NC
										W2ZAC	2,652	68	39	KY

Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH
W4DOI	2,301	59	39	VA	N5DTT	2,418	62	39	TX	WB6KDH	551	29	19	CA
KK4PUX	2,220	60	37	VA	KF5ZPL	2,257	61	37	AR	KK6ABZ	540	30	18	CA
K11Z	2,196	61	36	NC	K5AVY	2,244	66	34	TX	W9KKN	490	35	14	CA
W4ZYT	2,142	63	34	VA	KT5TE	2,065	59	35	TX	AK6TR	399	21	19	CA
K4AVX	2,079	63	33	KY	K5TMH	1,800	60	30	OK	K9JM	264	22	12	CA
AA4NP	1,980	66	30	FL	AB5XZ	1,740	60	29	TX	N3RC	264	22	12	CA
K4HQK	1,798	58	31	VA	N5VYS	1,281	61	21	TX	W1SRD	156	13	12	CA
N8PPF	1,624	58	28	NC	KC5LL	1,269	47	27	TX	AD6GE	108	12	9	CA
WA4LDU	1,612	62	26	SC	KD5FBA	1,189	41	29	TX	NW6P	100	10	10	CA
N4JRG	1,550	50	31	KY	N5AYB	1,092	42	26	TX	ND2T	99	11	9	CA
WD8RYC	1,520	40	38	TN	N5ATM	1,008	42	24	TX	N6ORB	98	14	7	CA
K4QPL	1,519	49	31	NC	KC5DCT	999	37	27	TX	*K6XX	77	11	7	CA
K4SBZ	1,458	54	27	FL	W5JNP	840	40	21	TX	KE6PLA	64	8	8	CA
N4CVG	1,404	54	26	KY	WD5RAH	594	27	22	TX	KJ7A	64	8	8	CA
N2QT	1,300	52	25	VA	KB6OJE	456	24	19	TX	KE6IUE	63	9	7	CA
KD8GKM	1,298	59	22	VA	KE4SGS	450	25	18	TX	W6KRK	48	8	6	CA
N1RM	1,222	47	26	VA	KF5WUF	384	24	16	OK	W6IET	16	4	4	CA
K4WW	1,127	49	23	KY	K5AGE	275	25	11	TX	N6AQT	9	3	3	CA
N4UA	1,050	50	21	VA	N5WMMQ	240	16	15	NM	W6JTI	4	2	2	CA
AI4QQ	945	45	21	VA	K5DRI	192	16	12	MS					
KG4UPR	943	41	23	VA	K5LGX	171	19	9	TX	N9RV	144,840	1020	142	MT
K4GM	936	39	24	VA	K5KMS	63	9	7	TX	KY7M	114,660	780	147	AZ
KQ4LA	875	35	25	VA	KF5NRS	49	7	7	TX	NY7N	113,230	871	130	AZ
ND4G	814	37	22	FL	W5GAI	32	8	4	MS	W7RN (WK6I)	99,975	645	155	NV
K7LU	629	37	17	VA	KD3VK	12	4	3	TX	KK7AC	89,157	789	113	AZ
K4PP	627	33	19	AL						K2RD	74,433	577	129	NV
KD9LA	570	38	15	VA	W6NL	190,550	1030	185	CA	N7MZW	72,094	638	113	WY
N4KXO	532	28	19	FL	N6IE	158,875	1025	155	CA	W7GKF	38,480	370	104	WA
W2YE	528	33	16	VA	W6YX (N7MH)	137,700	850	162	CA	N7DXT	32,544	452	72	MT
N4MM	510	30	17	VA	W6GH	126,616	833	152	CA	W7ZR	24,832	388	64	AZ
*KV4RH	504	24	21	SC	WX5S	103,950	693	150	CA	AE7VA	19,000	250	76	AZ
WM3X	493	29	17	NC	N6ZFO	76,760	505	152	CA	KB6UNC	16,884	268	63	UT
KM4IZZ	448	28	16	TN	K6GHA	62,342	511	122	CA	KG7GYI	15,552	216	72	AZ
KI4NSP	432	24	18	NC	K9YC	59,082	458	129	CA	WA7PRC	15,540	259	60	WA
W4SJV	323	19	17	FL	WN6K	57,743	511	113	CA	KJ9C	12,308	181	68	MT
KJ4KKD	315	21	15	TN	AA6PW	54,487	529	103	CA	W7PU	9,850	197	50	WA
N4LZ	304	19	16	FL	NN6DX	40,097	397	101	CA	KA6BIM	8,700	145	60	OR
K4TMC	270	18	15	NC	KI6VC	31,119	451	69	CA	K7KU (K0KR)	7,943	169	47	WY
W4AU	210	21	10	VA	KH6TU (AD6E)	31,062	334	93	KH6	N1SC	7,567	161	47	UT
N4EWT	196	14	14	GA	K6SRZ	29,072	316	92	CA	KB7XL	7,504	134	56	NV
W4IM	180	20	9	VA	K6SCA	25,810	290	89	CA	N9NA	7,467	131	57	AZ
K4XG	165	15	11	AL	N6NF	24,415	257	95	CA	K0SN	6,672	139	48	MT
N2NYR	154	14	11	FL	WU6X	20,646	279	74	CA	K7SS	6,328	113	56	WA
N1LGD	154	14	11	NC	N3ZZ	20,570	242	85	CA	AA7V	5,723	97	59	AZ
*K9GY	120	12	10	VA	K6MM	19,465	229	85	CA	N7ZUF	5,170	110	47	WA
KG4ISY	110	11	10	NC	K6JAT	16,480	206	80	CA	W7ZZ	5,160	129	40	WA
KJ4VTH	100	10	10	VA	AE6Y	10,854	162	67	CA	*WC7S	4,896	102	48	WY
W4WWWQ	63	9	7	VA	N0KQ	10,508	142	74	CA	A1K	4,788	114	42	AZ
W4LID	44	11	4	KY	*K6MR	10,368	144	72	CA	W7TX	4,576	104	44	ID
K2AV	25	5	5	NC	KR6N	7,493	127	59	CA	W8BFX	3,542	77	46	WA
W4WV	24	6	4	VA	W6TK	7,080	177	40	CA	N6LB	3,526	86	41	WA
AB1AX	20	5	4	VA	AE6YB	5,778	107	54	CA	N7FLT	3,430	98	35	MT
					N6DQ	5,712	119	48	CA	K7DLX	3,420	90	38	UT
NR5M	179,068	1006	178	TX	N9BD	5,253	103	51	CA	KL7AIR (KL7YK)	3,115	89	35	KL7
NT5V	145,235	937	155	TX	KK6NON	4,797	117	41	CA	KB7N	3,003	77	39	WA
K5DU	141,960	845	168	TX	AG6AY	4,186	91	46	CA	K7DBN	2,844	79	36	UT
N5UM	96,052	649	148	OK	N6RVI	4,140	138	30	CA	W6IA/7	1,904	68	28	OR
AD5XD	75,140	578	130	TX	KZ6T	3,916	89	44	CA	AL4Y	1,650	55	30	KL7
W5/MMØLID	45,288	629	72	TX	WX6V	3,680	80	46	CA	KB7KYK	1,500	60	25	WA
N5ZK (W5ASP)	42,120	540	78	TX	WB6JJJ	3,572	76	47	CA	K6DGW	1,377	51	27	NV
WBØTEV	37,830	291	130	TX	W6OAT	3,510	78	45	CA	KE7GKI	1,242	54	23	AZ
N5QQ	26,820	298	90	TX	W6JBR	3,354	78	43	CA	K7JQ	1,100	55	20	AZ
NO5F	23,715	255	93	AR	W6SX	3,007	97	31	CA	W7WIA	1,081	47	23	AZ
KW5RF	17,460	194	90	AR	N6PM	2,850	75	38	CA	KF6MIQ	989	43	23	UT
AD5MD	15,648	326	48	TX	K6KNS	2,812	74	38	CA	K7MEE	900	45	20	ID
N5ZC	14,770	211	70	TX	NA6O	2,691	69	39	CA	K7JKM	840	40	21	OR
AD5WB	14,352	208	69	TX	WA6URY	2,652	68	39	CA	KI7RI	816	34	24	WA
KD5UVV	13,520	169	80	MS	K6PGH	2,520	72	35	CA	KNØJI	700	35	20	UT
WA8ZBT	11,070	205	54	TX	WQ6X	2,380	68	35	CA	K1AUS	615	41	15	MT
NW5Q	8,804	142	62	TX	K6ELE	2,205	63	35	CA	KG7DYO	520	26	20	NV
KØNM	8,096	176	46	TX	NE6I	2,196	61	36	CA	K9QJS	442	26	17	WA
K7IA	7,729	131	59	NM	N6KIM	2,090	55	38	CA	W7EKG	390	26	15	ID
NM5Z	6,993	111	63	MS	N2NS	1,715	49	35	CA	W7BLR	352	22	16	WA
N5AW	6,305	97	65	TX	K6CDJ (W6XK)	1,700	50	34	CA	K7AZT	351	27	13	AZ
W5QLF	5,875	125	47	TX	K6CSL	1,620	54	30	CA	K6KAL	336	24	14	NV
K5LAD	5,760	96	60	OK	KE6FQC	1,485	55	27	CA	KE6FNQ	210	21	10	OR
AA5BE	4,992	96	52	AR	W6FB	1,326	51	26	CA	N7WRO	209	19	11	WA
W5HU	4,095	105	39	TX	K6MCS	1,320	44	30	CA	*NN7SS (K6UFO)	168	14	12	WA
AD5UQ	4,004	77	52	TX	KM6I	1,305	45	29	CA	AF7VT	154	14	11	WA
N5TIT	3,358	73	46	TX	N6GEO	1,272	53	24	CA	N7TMS	99	11	9	ID
W5GN	3,200	80	40	TX	WZ6ZZ	1,100	44	25	CA	KI7Y	40	8	5	OR
K9GWB	3,168	88	36	TX	*NC6DX (K6XN)	884	34	26	CA	K7ARF	2	2	1	WA
NM5WB	3,081	79	39	NM	WH7W	748	34	22	KH6					
K5TXM	3,016	104	29	TX	AF6SA	621	27	23	CA	W8PSP	73,160	620	118	MI

Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH
KM8Q	55,372	508	109	OH	W9TC	5,670	105	54	IN	W0WDF	10,295	145	71	IA
N8II	48,063	433	111	WV	K9LA	5,550	111	50	IN	N0AT	7,080	177	40	MN
KB8O	32,448	338	96	OH	AB9YC	5,488	98	56	IL	W0YJT	6,608	118	56	KS
W8PEN	29,154	339	86	OH	K9OR	5,400	108	50	IL	W7KAM	5,300	100	53	MO
W8TM	22,194	274	81	OH	KW9U	5,238	97	54	IL	K0SCO	5,247	99	53	MO
KE8FT	18,800	235	80	MI	WW9R	5,022	93	54	WI	N0HDR	5,060	92	55	MN
W8KTQ	18,034	254	71	OH	KC9EE	4,995	111	45	IL	K0MPH	4,770	90	53	MN
N8ERL	17,856	248	72	MI	K9DJR	4,653	99	47	IN	ND0MN	3,713	79	47	MN
KE8ANS	14,688	204	72	OH	N9GH	4,512	94	48	IL	N0GOS	3,298	97	34	CO
AB8OU	10,764	156	69	OH	KC9QQ	4,472	104	43	IN	K0YR	3,196	94	34	MN
N8SBE	9,028	148	61	MI	WB8BZK	4,320	96	45	IL	W6GMT	2,926	77	38	MN
AA8GP	7,820	115	68	OH	N9GUN	4,275	95	45	IL	K0MD	2,905	83	35	MN
AA8DC	7,280	130	56	OH	N2BJ	3,783	97	39	IL	WA0TTS (KC0DDZ)	2,310	66	35	MO
KW8N	7,261	137	53	OH	KD9MS	3,360	70	48	IL	KD0RIY	2,211	67	33	NE
NR8U	5,858	101	58	OH	W9CSX	3,354	78	43	IN	AK0BC	1,792	56	32	CO
WA8MXJ	5,200	100	52	MI	N9AFU	2,652	78	34	IN	*WB0IWG	1,650	55	30	ND
*N8MWK	5,063	83	61	OH	*W09S	2,046	66	31	IL	K0YB	1,598	47	34	MO
N8BUS	4,602	118	39	OH	AC9HP	1,925	55	35	IN	K0UA	1,421	49	29	MO
KD8ORN	3,872	88	44	OH	K9ZM	1,900	50	38	IL	K0NJR	1,215	45	27	MN
K8AVJ	3,397	79	43	MI	N4XYZ	1,802	53	34	IN	KC0JRW	1,128	47	24	NE
N8EA	3,168	72	44	MI	W9SE	1,760	55	32	IL	WB0IIS	975	39	25	MO
K8SHB	3,160	79	40	OH	W9KG	756	36	21	IN	KC0VRV	780	39	20	MN
WA8KAN	2,747	67	41	WV	NG9R	750	30	25	IL	N4DGN	722	38	19	IA
W8IPD	2,541	77	33	MI	K9IJ	667	29	23	IL	K0HAY	561	33	17	CO
W8IDW	1,350	45	30	WV	K9IR	640	32	20	IL	K0DSL	360	20	18	MN
KD8BIT	720	36	20	OH	K9ELF	638	29	22	IN	N2SRK	336	24	14	CO
N8TCP	696	29	24	OH	K9MAF	468	26	18	IN	N0XMS	266	19	14	CO
N4DLR	456	24	19	OH	K3WA	459	27	17	IL	K0KEV	216	18	12	MO
WA8OLD	90	10	9	MI	AB9M	442	26	17	IL	NU0W	90	10	9	MN
KD8MQ	49	7	7	OH	W9TAM	308	22	14	IL	KD0WUQ	66	11	6	ND
KD8UZV	24	6	4	OH	KC9YL	300	20	15	WI	K0STK	48	8	6	ND
					KA9BBQ	288	18	16	IL	KB0L	12	4	3	IA
					*K9XB	270	18	15	WI					
K9NR	159,680	998	160	IL	*AF9J	260	20	13	WI	VE3CX	139,986	909	154	ON
W9PA	110,057	701	157	IN	K9EL	252	18	14	IL	VY2TT (K6LA)	67,725	645	105	PE
WT9U	85,625	625	137	IN	AC9IG	110	11	10	IL	VA3DF	46,750	425	110	ON
W9RE	57,323	431	133	IN	K9WOJ	108	12	9	IL	VA3TIC	11,407	187	61	ON
KB9OWD	52,812	489	108	WI	KK9N	99	11	9	IL	VE3TW	9,734	157	62	ON
K9NW	48,875	425	115	IN	K9CC	72	9	8	IL	VE9OA	8,601	183	47	NB
W9QL	42,738	419	102	IL	N9LF	25	5	5	IN	VA7XNL	6,844	116	59	BC
AJ9C	41,944	392	107	IN	KK9EJ	24	6	4	IN	VE3KTB	6,579	129	51	ON
N9CK	41,860	364	115	WI	*N9NBC	6	3	2	WI	VE3IAE	2,992	88	34	ON
WD9CIR	36,360	360	101	IL						VE4DRK	2,736	72	38	MB
N7US	34,672	394	88	IL						K2NV/VE3 (K2NV)	2,196	61	36	ON
W9VW	31,416	308	102	IN	K3PA	222,622	1409	158	KS	VE2HIT	2,013	61	33	QC
W9IU	28,520	310	92	IN	K0EU	205,320	1180	174	CO	VE3AYR	1,792	64	28	ON
KR9U	28,250	250	113	IN	K0UK	184,094	1109	166	CO	VE7BGP	1,160	40	29	BC
W9AV	24,510	285	86	WI	AC0W	156,372	942	166	MN	VE2GT	1,080	45	24	QC
AB9H	23,606	319	74	IL	K0OU	85,185	631	135	MO	*VE3KJQ	860	43	20	ON
WB9HFK	22,420	236	95	IL	W0ETT	68,774	502	137	CO	VE7FCO	600	30	20	BC
K9CQ	22,320	248	90	IL	NW0M	61,131	497	123	MO	VE3TU	459	27	17	ON
KC9UJS	21,390	230	93	IL	K0AD	60,828	548	111	MN	VA7AM	408	24	17	BC
W9XT	19,936	224	89	WI	KV5J	50,112	576	87	SD	VE7JRS	204	17	12	BC
N9LQ	15,075	201	75	IL	KI0I	47,560	410	116	MO	*VA3RKM	143	13	11	ON
WT2P	13,334	226	59	IL	KC0DEB	41,820	492	85	KS	VE2PDT	140	14	10	QC
NJ9R	13,135	185	71	IL	N0XT	34,814	338	103	MN	VE9CB	132	12	11	NB
N9TF	11,520	160	72	IL	WB9KPT	20,982	269	78	CO	VE8GER	104	13	8	NT
N9LJX	11,277	179	63	IN	W0RAA	17,670	310	57	CO					
K9MMS	10,920	168	65	IL	KI0F	17,640	252	70	MN					
K9PG	10,275	137	75	IL	K0VBU	16,960	265	64	KS	KP2RUM (K9VV)	144,126	918	157	KP2
W9DCA	10,001	137	73	IL	K0TT	12,629	173	73	MN	XE3/NP4G	3,198	82	39	XE
K9WX	8,208	144	57	IN	K0RJW	11,025	147	75	MN	*XE2N	25	5	5	XE

*QRP

Multi-Two Scores

Call Sign	Score	QSOs	Mults	QTH	Operators
NV9L	281,394	1463	193	IL	NV9L, WB9Z
KD4D	271,206	1482	183	MD	K3AJ, KD4D, N3QE, N8IVN, W2CDO
N5YA	261,783	1479	177	TX	AE5VB, K5QE, N1XS, N5YA
NX6T	216,448	1216	178	CA	K6AM, K6GO, KK6NON, N6EEG, N6ERD, and others
W5MX	196,225	1175	167	KY	AJ4A, KJ4YLR, W5MX
N0AX	149,328	976	153	MO	KD0YJN, KW0KW, N0AX
WA3EKL	91,143	741	123	MD	K00O, KB3VQC, KG4USN, WA3EKL
TI5W	69,678	553	126	TI	N3KS
W4MYA	59,414	487	122	VA	W4MYA
W1RH	53,019	415	129	CA	W1RH
N0KTK	30,668	374	82	MO	N0KTK
WU0B	27,522	278	99	SC	WU0B
NR0R	21,338	454	47	MO	NR0R, WD0ERU
W6RDF	20,088	248	81	CA	A16KM, A16KU, KN6BN, W6RDF, WA6LT
W3PGA	18,318	258	71	MD	KB3QWC, KE3HAY, N3VBJ, W3PGA, and others
NR9Q	16,770	215	78	IL	NR9Q
WA1F	16,767	207	81	GA	WA1F, WA1S
K0ACP	15,876	189	84	MI	K0ACP
K2AL/1	15,620	220	71	VT	K2AL, W2IOC, W2OLF
KE0L	15,246	198	77	IL	KE0L
K6DDJ	12,155	187	65	CA	K6DDJ
K5KDX	11,172	147	76	AR	K5KDL, K5KDX
W4YK	9,920	155	64	NC	W4YK
KR9E	9,520	140	68	IN	KR9E
W2NPT	9,435	185	51	NJ	W2NPT
NA9VY	8,946	142	63	IN	NA9VY
KG4W	8,645	133	65	VA	KG4W
K3RCC	7,865	143	55	PA	N3SZA, N3WAX
W4EE	7,375	125	59	FL	W4EE
N8YXR	6,750	125	54	MI	KC0RBV, N8YXR
K4HTA	5,824	112	52	VA	K3US, K6BFA, KA4YMA, KJ4CNN, and others
N1ERS	5,202	102	51	MA	N1ERS
AI1W	4,655	95	49	MD	AI1W
K3OQ	4,142	109	38	MD	K3OQ, KC3BXK, W3RFC, WA3OFF
VE3MXJ	3,995	85	47	ON	VE3MXJ
W3NRJ	3,608	88	41	MD	W3NRJ
KF7DX	3,510	78	45	WA	KF7DX
WW9S	3,458	91	38	IL	WW9S
KK4MOV	3,311	77	43	NC	KK4MOV
K3WYC	3,300	75	44	AZ	K3WYC
N9BRZ	3,139	73	43	IL	N9BRZ, W9JEZ
N4BAA	2,940	105	28	PA	N4BAA
K6EU	2,772	63	44	CA	K6EU, W6CT
K4JDF	2,698	71	38	MD	K4JDF
W6ABR	2,546	67	38	CA	KE6WC, KG6OTX, KG6TOI, KM6G, and others
KT4LS	2,135	61	35	GA	KT4LS
N3ALN	1,377	51	27	MD	N3ALN
K1GG	1,296	54	24	VA	K1GG
K9ES	1,276	44	29	FL	K9ES
W9FFA	1,248	48	26	IN	W9FFA
W5GFI	1,200	40	30	OK	W5GFI
W7DK	1,200	50	24	WA	N7OMS, WB4SPB
NC4SU	851	37	23	NC	NC4SU
AJ4RS	819	39	21	VA	AJ4RS, NR4C
KS3K	792	36	22	FL	KS3K
K1ZW	735	35	21	NC	K1ZW
WA9LEY	720	36	20	IL	WA9LEY
W6JWP	651	31	21	CA	W6JWP
NN3RP	589	31	19	MD	NN3RP
KJ0P	560	28	20	MN	KJ0P
N3WMC	555	37	15	PA	N3WMC
W3SK	465	31	15	PA	K3FTW, K3JQH, KB3MTW, KB3ORG, and others
KC2QNK	408	24	17	NY	KC2QNK
W4CDA	252	21	12	KY	K4FT, K4OH, KE4SHC, KG4UQL, and others
AD4YQ	240	20	12	FL	AD4YQ
W0PKJ	182	14	13	MO	W0PKJ
KE8BWA	112	14	8	OH	KE8BWA
KC4EZN	30	6	5	NC	KC4EZN
UT7HA	12	4	3	DX	UT7HA
N4NQY	1	1	1	VA	N4NQY
KI4DSO	1	1	1	GA	KI4DSO

Check Logs: AK7MG, DL6JV, K5IZO, K7C, K7J, K7K, K7R, KD0JLE, KM4LS, ND9Z, NS0R, VE6WZL, W0PAN, W1WMU, W6FA, W8JRK, W8WOM