

# Results: North American QSO Party SSB — August 2019

Activity remains high in the August SSB NAQPs, even at the bottom of the sunspot cycle. We had the second greatest number of logs submitted for the August event with 800 logs turned in. In 2012, near the peak of the present sunspot cycle, we received only 490 logs. Even with less-than-optimum conditions, people are coming out and having a good time.

## Single Operator

Taking in the top spot in the single operator category is Rich, NN3W, who finished first in the 2018 August event and second in the 2018 January event. His score was 169,218 versus 142,104 for the second-place finisher, Ken, KØEU. Ken has finished in the Top 6 three out of the last five events. In third place was

Craig, K9CT. Craig has made the Top 10 in four out of the last five events. Dropping to fourth position was Mike, W9RE. He has finished in the Top 6 in three out of the last five events. Finishing out the top five was Brian, N4OO. He is new to the Top Five box.

While there were not any close finishes in the Top Five, the next five were very close with log checking affecting the order of the finish. Only 5,210 points separated 6th from 10th place (see table 2).

## QRP

This time the QRP category had 14 entries showing a wide range of scores. Six operators managed golden logs. Most of the others had error rates in the typical 3% to 6% range.

**Table 1 — Finishes of the Top 6 in the past five events**

Call Sign	Aug-19	Jan-19	Aug-18	Jan-18	Aug-17
NN3W	1	2	1	-	-
KØEU	2	6	-	3	-
K9CT	3	10	7	-	1
W9RE	4	-	2	-	2
N4OO	5	17	12	-	-
K7RL	6	3	3	5	5

**Table 2 — Log checking results 6<sup>th</sup> – 10<sup>th</sup> place.**

Call Sign	Finish	Final	Claimed	Finish	Reduction
K7RL	6th	96,264	98,125	8 <sup>th</sup>	1.9%
K3MM	7th	96,128	100,230	7 <sup>th</sup>	4.1%
NT5V	8th	93,174	96,672	9 <sup>th</sup>	3.6%
NT6Q	9th	92,512	102,003	6 <sup>th</sup>	9.3%
NA3D	10th	91,054	93,068	10 <sup>th</sup>	2.2%

**Table 3 — Combined scores.**

Call Sign	Total	CW Pts	SSB Pts
KØEU	873	454	419
W9RE	795	440	355
K9CT	791	406	385
N4OO	576	236	340
K7RL	575	291	284
K7SV	565	361	204
K9ZO	554	308	246
K9NR	542	340	202
K3MM	529	245	284
NN3W	511	11	500

## Single Op Top 10 Breakdowns

Call Sign	Score	QSOs	Mults	160	80	40	20	15	10
NN3W	169,218	1106	153	23/11	258/35	437/53	371/45	12/5	5/4
KØEU	142,104	1146	124	1/1	40/19	449/49	654/53	1/1	1/1
K9CT	130,520	1004	130	17/10	55/22	391/48	539/48	1/1	1/1
W9RE	120,336	872	138	30/17	162/38	364/48	311/32	3/2	2/1
N4OO	115,178	866	133	12/8	160/30	474/51	218/42	1/1	1/1
K7RL	96,264	764	126	7/7	63/20	184/47	507/50	1/1	2/1
K3MM	96,128	751	128	24/13	229/34	298/43	198/36	1/1	1/1
NT5V	93,174	879	106	0/0	10/9	337/46	530/49	1/1	1/1
NT6Q (K6JO)	92,512	784	118	14/3	45/13	179/40	542/59	3/2	1/1
NA3D	91,054	859	106	0/0	64/23	438/42	351/36	6/5	0/0

## Single Op QRP Top Five Breakdowns

Call Sign	Score	QSOs	Mults	160	80	40	20	15	10
K5TR	36,432	414	88	0/0	7/6	97/33	299/42	11/7	0/0
WR3R	5,750	125	46	0/0	65/13	32/16	26/15	1/1	1/1
K7DLX	2,272	71	32	0/0	18/8	25/11	28/13	0/0	0/0
WB6CZG	777	37	21	0/0	14/5	14/13	9/3	0/0	0/0
WO9S	658	47	14	0/0	0/0	40/11	7/3	0/0	0/0

## Multi-Two Breakdowns

Call Sign	Score	QSOs	Mults	160	80	40	20	15	10
NV9L	239,605	1408	173	57/23	228/41	573/56	520/48	6/4	1/1
WX3B	174,496	1312	133	30/13	271/33	674/53	337/34	0/0	0/0
W5WZ	136,320	1065	128	2/2	55/24	408/49	600/53	0/0	0/0

In a last-minute decision George, K5TR, gave QRP a try. He tried this once before in a January event. He found August is much tougher with all the band noise. George also discovered 80 and 160 are much more challenging running QRP. For his efforts, he finished first with a score of 36,432.

Following in second was Gary, WR3R, with a score of 5,750. Rick, K7DLX, finished third with a score of 2,272 from Utah.

### Multi-Two

Moving into the top spot of the Multi-Two Category was the team of Val, NV9L, and Jerry, WB9Z, operating NV9L with a score of 239,605. Dropping into 2nd place with a score of 174,496 was WX3B, with operators ND3D, KD4D and WA3AER. Repeating in 3rd place was W5WZ, with a team of operators consisting of W5WX, WM5H, W5LA, KA5M, and K5ER. Their final score was 136,320.

### Team Results

The NAQP Challenge Cup has a significant impact on the team contesting scene. The three clubs involved, SMC, PVRC, and NCCC, fielded nearly half of the teams in the contest. PVRC had 14 teams, SMC had 9 teams and NCCC fielded 2 teams. This accounts for 27 of the 61 teams. As a result of their efforts three of the top four teams are from this group.

Finishing first was SMC Team Alpha with a score of 342,244. In second with a score of 334,544 was PVRC SO2R Team # 1. Following in third was SCCC #1 scoring 226,384 points. In fourth was NCCC#1 with 218,850 points.

### Combined Scores

The combined scores competition determines the single operator doing the best overall during both the CW and SSB weekends. This is accomplished by normalizing the scores to the winner of the category. The winner is given 500 points with everyone else a percentage of that based on how their score was to the winner. The points are then added from the two weekends to arrive at their total points. Person with the highest point total wins, and earns a plaque. This competition is sponsored by the Southern California Contest Club.

Earning the plaque for the summer events was Ken, KØEU. Following in 2nd place was Mike, W9RE, with Craig, K9CT, close behind.

### Final Comments

The next running of NAQP SSB is a few weeks away on Saturday, January

18. During this event look for the third running of the North American Collegiate Championship (NACC), sponsored by the Society of Midwest Contesters. This is a competition among collegiate club stations that occurs during the January NAQP SSB. This year they are adding a

second event to occur during the February NAQP RTTY contest. Details are at [www.w9smc.com/nacc/](http://www.w9smc.com/nacc/).

As always, log-checking reports are available upon request to [ssbnaqpmgr@ncjweb.com](mailto:ssbnaqpmgr@ncjweb.com). Include the call sign you used during the contest.

### Team Scores

1. SMC Team Alpha		2. PVRC SO2R Team #1		3. SCCC #1	
K9CT	130,520	NN3W	169,218	NT6Q	92,512
K9NR	68,544	K3MM	96,128	W6AFA	47,500
N5RP	56,888	K7SV	69,198	WN6K	39,780
WT9U	44,368	<b>Total</b>	<b>334,544</b>	KI6VC	23,868
ND9G	41,924			K6RO	22,724
<b>Total</b>	<b>342,244</b>			<b>Total</b>	<b>226,384</b>

### Team

4. NCCC#1 - Woodstock50
5. GM Eagles
6. AOCC Desperados
7. DFWCG Old Age
8. SMC Team Bravo
9. Mid Florida Group
10. SMC Team Charlie
11. MWA Walleye
12. PVRC Northwest Team #1
13. PVRC Northwest Team #2
14. AOCC Ransackers
15. PVRC North Carolina East Team #1
16. TCG-Max
17. NCCC#2 - Woodstock50
18. PVRC Rappahannock Team #1
19. SMC Team Delta
20. Purcellville Blue Ridge Lunch Group Team #1
21. Deep Dixie CC Team Elvis
22. Orange Juice
23. SCCC #2
24. Orange Crush
25. NCCC#3 - Woodstock50
26. Can-Am
27. SMC Team Foxtrot
28. PVRC Eastern Shore Team #1
29. DFWCG Treachery
30. PVRC Southwest Virginia Team #1
31. The Braille Team
32. Metro Screammers
33. PVRC DC Metro Team #1
34. GM Osprey
35. Order of Boiled Owls
36. SMC Team Golf
37. PVRC Northwest Team #3
38. SFCC #1
39. TDXS
40. SFCC #2
41. PVRC Colonial Capital Team #1
42. MWA Pike
43. TCG-Yasgur
44. SMC Team Echo
45. PVRC Over the Hill Lunch Bunch Team #1
46. PVRC Northwest Team #4
47. SMC Team Hotel
48. BSARC Shrimpers
49. PVRC Annapolis Team #1
50. Blue Ridge ARC
51. NCCC#4 CJ amd the Fish
52. Flying Iguanas
53. SMC Team India
54. PVRC Southwest Virginia Team #2
55. Dixie Renegades
56. ECARA
57. Mini-DXers
58. Team Montana
59. Ham Community
60. Bristol Thunderstorm
61. SMC Team Juliet

### Operators

Operators	Total
W6PZ, W7RN, KA6BIM, N6ZFO, N3RC	218,850
KØEU, N7MZW, WØETT, KØFX	204,739
KK7AC, W7ZR, N7GP, W6RW, KF7U	187,627
NT5V, WD5F, AD5XD, WBØTEV, N3BUO	186,797
N7US, NA9O, W9QL, WW9R, AB9YC	159,676
K2ADA, WA1PMA, KM4ZQE, WA4IPU	150,793
W9RE, KD9GY, WB9TFF, WRØH, WB9TFH	143,846
ACØW, NØXT, KØON, NYØMN	115,160
NA3D, N4ZR, K4FTO, KT3RR, NY3A	105,384
K3AJ, N8II, WR3R, K1EFI	97,777
AB7E, N9NA, WU9B, NG7M, K7JQ	83,909
NR4O, KU4V, K3WA, N3ND, K2AV	58,400
KC4NX, K3IE, K4RO	55,819
K6GHA, W6FA, N3ZZ, W6FB, AE6JV	55,292
W4GO, KA4RRU, K4GMH	51,398
W9XT, W9CJM, WB9HFK, W7KAM, N9WEW	46,818
N4RA, W2YE	44,199
KT4Q, K3DMG	43,442
N4BP, K4SBZ, W1N	41,743
K5KT, K6NR, K6MUG	40,131
KM4HI, N9OU, K4EJ, KW1K	39,483
KH7Y, W1SRD, K6MR, A6V, WU6W	38,633
VE3MGY, W1CTN	35,620
N9LQ, N2BJ, KW9U, K9QQ, KM9M	30,733
K3WI, WF1L, W3FA, WA4TAS	28,981
KI5MM, NW5Q, KM5JV, WA5LXS	28,785
AF2T, K1GG, N3KN, NZ6T, N3AO	27,762
W3IUU, KW3A	24,933
W9ILY, W9OA, K9PMV, WA9LEY	23,840
W2CDO, K3KU, W3TTT, WC4J	20,701
KH6CJJ, NOØT, KFØUR	18,453
AH2O, KS2G, K2RB, N2MUN, N2YBB	18,063
KC9K, AI9T, KC9EOQ, K9GY, KC8PKY	17,397
NC3Y, K1RH, W3RCO, N3HEE	16,380
WUØB, NE4EA	14,948
AJ4F, W5GCX, AD5WB, N5DTT	14,353
KG4IGC, WG4MC, K4KWB	13,899
KK4R, N1WR, N4DJ	13,479
WØZF, NØODK, WAØLIF, NØEO	13,158
W4KW, KØEJ	12,968
N9TO, KK9N, N9TF, NT9E, NG9R	12,950
W3YY, K4HQK	8,208
N3VOP, K6ND	7,840
W9FFA, KT9L, WE9V, K9LC	7,376
WA6SUZ, K6RM, ND2O, W4WNT	7,166
K3LU, K4EET	6,800
A14GR, NA4X, KC5F, KK4JFO, AJ4FV	6,128
K6MM, N6EE, KH6DV, K6ST, KF6NCX	4,976
AJ9C, K9NW	4,878
N9WG, N9VPV, WI9WI, WO9S	4,697
W4KFC	4,095
K7DLX, WI7J	2,998
W4JPH, K1HG	1,948
KZ6T, KF6LMB, KM6BYD	1,656
KJ9C	1,612
W4DOI, K3HLT	1,140
N4NT, AA4DD	619
AF9J	16

## Single Operator Scores

Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH
NA3D	91,054	859	106	ME	N3XL	1,566	54	29	MD	N4DJ	3,861	99	39	VA
AB1EP	34,416	478	72	ME	K3TEF	1,525	61	25	PA	K4FTO	3,800	100	38	VA
K1IMI (N4CW)	23,852	356	67	ME	KE3GK	1,265	55	23	MD	K2PS	3,675	105	35	FL
W1CTN	16,660	245	68	CT	K3TN	1,060	53	20	MD	W0NA (W4AAW)	3,537	131	27	VA
K2AL/1	16,124	278	58	VT	WA4TAS	920	46	20	DE	N4YDU	3,492	97	36	NC
N1RV	7,125	125	57	CT	NN3RP	893	47	19	DC	K4QPL	3,465	99	35	NC
KK1L	6,720	140	48	VT	W3RGA	798	42	19	PA	KN4DEB	3,348	93	36	VA
W1GHD	4,601	107	43	CT	W3ZX	722	38	19	PA	WB4HRL	3,328	104	32	SC
W1DYJ	2,508	76	33	MA	K3ORC	703	37	19	MD	N2YO	3,290	94	35	VA
W1WEF	2,500	100	25	MA	W3RCO	660	44	15	MD	N4QWF	3,045	87	35	VA
W1FJ	2,415	69	35	MA	AA2AD	496	31	16	PA	K4HWS	3,042	78	39	TN
N1ADX	1,824	57	32	MA	WA3MD	476	34	14	MD	K4WI	2,987	103	29	AL
K1MTD	1,125	45	25	CT	KG4USN	464	29	16	MD	W4CAR	2,860	110	26	VA
K1DVL	697	41	17	CT	WY3P (WX3B)	189	21	9	MD	K2AV	2,772	99	28	NC
W1ZFG	375	25	15	CT	W3TTT	184	23	8	MD	K4YCR	2,555	73	35	VA
K1VW	315	21	15	ME	W3CG (N3KZI)	72	9	8	PA	N4JAH	2,380	70	34	GA
W1MJ	60	10	6	MA	N3HEE	54	9	6	MD	N2QT	2,346	69	34	VA
					*W3EK	35	7	5	DE	W1BO	2,322	86	27	AL
WA2CP					ND3D	1	1	1	MD	KU4FX	2,275	65	35	FL
(KC2GOW)	22,400	400	56	NY						K4EJ	2,200	55	40	FL
WA2JQK	11,830	182	65	NY	N4OO	115,178	866	133	GA	A14GR	2,176	68	32	NC
AH2O	6,860	140	49	NY	N4OX	79,288	748	106	FL	NA4X	2,146	74	29	NC
W2TC	5,764	131	44	NY	K2ADA	73,851	717	103	FL	AJ4LN	2,015	65	31	VA
KS2G	4,876	106	46	NY	K7SV	69,198	607	114	VA	W1BQ	1,855	53	35	FL
N2MTG	4,559	97	47	NY	WA1PMA	55,296	576	96	FL	W3PJ	1,792	64	28	GA
K2RB	4,056	104	39	NY	KF4GTA	50,080	626	80	GA	W4TM	1,736	62	28	GA
XX1W	1,590	53	30	NY	WS7X	47,600	560	85	FL	WX4US	1,650	50	33	FL
N2YG	1,586	61	26	NY	WD5F	41,656	508	82	FL	K4RO	1,564	68	23	TN
N2MUN	1,144	44	26	NY	KC4NX	37,840	440	86	TN	KB4LA	1,530	51	30	AL
N2YBB	1,127	49	23	NY	KT4Q	35,247	379	93	FL	KJ4HZ	1,363	47	29	GA
N2RC	1,092	52	21	NY	W4GO	34,316	373	92	VA	W4JPH	1,300	50	26	FL
KA2HZP	828	46	18	NJ	K3PI	30,044	406	74	NC	KD4CX	1,288	46	28	FL
NS2N	774	43	18	NY	N4GU	29,438	359	82	NC	KW1K	1,276	44	29	FL
N2EZY	697	41	17	NY	KM4HI	27,216	336	81	FL	WG4MC	1,269	47	27	SC
WA2FZB	406	29	14	NJ	N4BP	25,792	496	52	FL	W2YE	1,248	48	26	VA
N7MB	154	14	11	NY	AD4EB	24,750	330	75	TN	WR4I	1,222	47	26	VA
KB2LUV	98	14	7	NY	NR4O	22,648	298	76	NC	K4SHW	1,170	45	26	GA
WA2ALY	36	6	6	NJ	KU4V	20,640	258	80	NC	KJ4YLR	1,144	44	26	KY
W2MWH	36	6	6	NJ	W6SFG	17,094	259	66	VA	KY4KD	1,131	39	29	KY
KK6RKA	4	2	2	NY	W3IP	16,786	218	77	VA	W4CWM	1,118	43	26	SC
KO4DON	2	2	1	NY	K3IE	16,415	245	67	TN	K2KW	1,035	45	23	VA
W2UIS	1	1	1	NY	KM4ZQE	15,718	271	58	FL	KB4S	984	41	24	VA
					WU0B	14,472	216	67	SC	KC5F	960	48	20	NC
NN3W (@N3HBX)	169,218	1106	153	MD	W4WWQ	14,145	205	69	VA	K4KWB	912	38	24	SC
K3MM	96,128	751	128	MD	W4BBT	13,888	224	62	NC	N8YSZ	903	43	21	VA
K3AJ	58,092	564	103	MD	K1HTV	13,786	226	61	VA	W4DOI	900	45	20	VA
N3AD	55,146	546	101	PA	KA4RRU	12,090	186	65	VA	KA4CDN	861	41	21	VA
K3AU (K2YW)	42,097	473	89	MD	AF2T	12,028	194	62	VA	KJ4KDK	851	37	23	TN
W3IUU	18,693	279	67	MD	K3TD	11,940	199	60	NC	KM4MK	782	34	23	GA
W2CDO	12,648	204	62	MD	KG4IGC	11,718	186	63	SC	KK4RWB	756	42	18	VA
K3WI	12,532	241	52	DE	K4SBB	11,100	185	60	FL	K6RM	736	32	23	NC
K3EW	10,780	196	55	MD	N6DW	10,530	162	65	VA	WJ4HCP	714	34	21	TN
W3UL	10,388	196	53	MD	WS6X	9,263	157	59	VA	ND2O	700	35	20	NC
NC3Y	9,932	191	52	MD	N9OU	8,791	149	59	FL	AD4IE	666	37	18	NC
WA3FAE	9,702	198	49	MD	K3WA	7,700	140	55	NC	W4BW	651	31	21	GA
K3VOA (K4ZW)	8,160	160	51	DC	W4KW	6,812	131	52	TN	K1HG	648	36	18	FL
WF1L	7,897	149	53	DE	K4ORD	6,760	130	52	VA	N4NT	589	31	19	TN
K3KU	7,693	157	49	MD	N4JRP	6,204	141	44	SC	WB4MM	572	26	22	FL
W3FA	7,632	144	53	MD	K0EJ	6,156	171	36	TN	K4PZZ	510	34	15	VA
KW3A	6,240	156	40	PA	WA4IPU	5,928	114	52	FL	KG5HVO	494	26	19	AL
N3DUE	6,174	126	49	MD	K1GG	5,850	117	50	VA	NE4EA	476	28	17	SC
W3MBC	6,063	129	47	MD	N3KN	5,715	127	45	VA	WA2OMT	468	26	18	VA
W2DLT	5,883	159	37	PA	N4ZY	5,544	132	42	KY	KK4JFO	450	30	15	NC
*WR3R	5,750	125	46	MD	WA6SUZ	5,355	119	45	NC	KM4TLR	432	27	16	GA
K1RH	5,734	122	47	MD	W4KAZ	5,320	133	40	NC	KG4SRK	432	27	16	KY
KB3CS	5,124	122	42	MD	W4IM	5,206	137	38	VA	AJ4FV	396	22	18	NC
K1BZ	5,060	115	44	MD	N1XL	5,043	123	41	NC	W4WNT	375	25	15	NC
N3WD	4,905	109	45	MD	KK4R	4,998	102	49	VA	N4EN	375	25	15	FL
K3LU	4,712	124	38	MD	K4GMH	4,992	128	39	VA	WA6POZ	374	34	11	FL
N3VOP	4,116	98	42	MD	W1N (WO4O)	4,851	99	49	FL	AK4VQ	374	22	17	VA
N4ZR	4,018	98	41	MD	N0YY	4,796	109	44	VA	KN4EWI	368	23	16	NC
K3OQ	3,977	97	41	MD	N3ND	4,640	116	40	NC	N1MHV	336	24	14	GA
K3NDM	3,738	89	42	MD	N1WR	4,620	110	42	VA	N3AO	308	22	14	VA
K6ND	3,724	98	38	PA	W1GKT	4,592	112	41	AL	KE2KW	300	25	12	VA
K1EFI	3,710	106	35	MD	N4UA	4,508	98	46	VA	KE4S	300	20	15	VA
KT3RR	3,699	137	27	PA	NC4MI	4,469	109	41	NC	K3KZU	299	23	13	KY
AB3SX	3,536	104	34	MD	W3DQS	4,462	97	46	NC	N4MM	280	20	14	VA
W8LYJ	3,478	94	37	MD	W3YY	4,332	114	38	VA	KT4RH	260	20	13	TN
K3SX	3,456	96	36	MD	NN4RB	4,142	109	38	VA	K4ME	260	20	13	NC
W3MMM	3,400	100	34	MD	N8AID	4,100	100	41	VA	KG2E	242	22	11	KY
NY3A	2,813	97	29	PA	W4KFC (W2RU)	4,095	105	39	VA	K3HLT	240	20	12	VA
AC3BU	2,775	75	37	MD	K4MI	4,033	109	37	VA	*K4DZR	216	18	12	TN
K3PP	2,688	84	32	PA	K3YDX	4,017	103	39	NC	*WC4J	176	16	11	VA
K4EET	2,088	72	29	MD	K4HQK	3,876	102	38	VA	KM4IZZ	143	13	11	TN
W3AVP	1,612	62	26	PA	NZ6T	3,861	99	39	VA	W1AM	135	15	9	GA

Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH
W7IY	112	14	8	VA	K6NR	3,654	87	42	CA	N7AME	840	40	21	WA
N4DXS	108	12	9	VA	AI6V	3,502	103	34	CA	K17VWP	741	39	19	AZ
KA3EHL	99	11	9	FL	K6MM	3,267	99	33	CA	WI7J	726	33	22	UT
K3IRV	96	12	8	NC	AJ6V	3,159	81	39	CA	N0CSM	646	38	17	NV
N3CW	96	12	8	VA	W6FB	3,042	78	39	CA	W7WHY	560	28	20	OR
AJ4RS	91	13	7	VA	AE6JV	2,496	78	32	CA	KJ7GUI	544	34	16	ID
W4ELT	90	10	9	VA	W6IA	2,144	67	32	CA	KG7TUO	540	30	18	OR
W6LWG	65	13	5	VA	AE6YB	1,624	58	28	CA	KG7DAB	522	29	18	WA
N3AC	63	9	7	VA	K6MUG	1,593	59	27	CA	KE7GKI	510	30	17	AZ
KN4DXT	40	8	5	FL	W6GAE	1,568	49	32	CA	KG7PDC	384	32	12	NV
AA4DD	30	6	5	TN	KZ6T	1,421	49	29	CA	K7JSG	308	22	14	WA
N6DME	4	2	2	FL	WA6URY	1,372	49	28	CA	K1AUS	308	22	14	MT
KS3K	1	1	1	FL	W6JBR	1,125	45	25	CA	K7DBN	253	23	11	UT
					AF6SA	1,104	48	23	CA	KU7T	220	22	10	WA
NT5V	93,174	879	106	TX	AE6SF	1,008	42	24	CA	AG7CC	189	21	9	ID
AD5XD	38,000	475	80	TX	KM6PHB	920	46	20	CA	WT8P	154	14	11	WA
*K5TR	36,432	414	88	TX	K6AAN	880	40	22	CA	W7TX	112	14	8	ID
K5RM	23,606	319	74	AR	*WB6CZG	777	37	21	CA	K2MES	104	13	8	NV
KI5MM	22,035	339	65	TX	N6EE	748	34	22	CA	K6DGW	96	16	6	NV
WA5SOG	16,104	244	66	AR	N3RC	722	38	19	CA	N6LB	84	14	6	WA
W5TMC	14,701	241	61	OK	KD6HOF	702	39	18	CA	*NN7SS (K6UFO)	40	8	5	WA
WB0TEV	9,744	174	56	TX	K6BBQ	630	35	18	CA	*N6HI	28	7	4	AZ
AJ4F	8,140	148	55	TX	WZ6ZZ	551	29	19	CA	K7MSO	27	9	3	MT
N5XJ	5,047	103	49	TX	K6RDW	510	30	17	CA	*NL7QT	25	5	5	KL7
W5PUF	4,653	99	47	TX	KM6I	468	36	13	CA					
AG5VX	4,600	115	40	OK	W6RC	459	27	17	CA	W8PSP	76,339	787	97	MI
KG5IEE	4,576	104	44	TX	K6ROW	400	25	16	CA	N4RA	42,951	417	103	WV
K5RT	4,368	104	42	TX	K6JB	400	25	16	CA	N8II	30,225	403	75	WV
N3BUO	4,223	103	41	TX	KH6DV	384	32	12	KH6	N8BV	14,592	256	57	OH
NW5Q	4,171	97	43	TX	NT6F	377	29	13	CA	K3DMG	8,195	149	55	OH
K5TBA	3,240	81	40	NM	K6ST	330	30	11	CA	K0ACP	7,425	165	45	MI
W5GCX	2,880	80	36	TX	K6CES	312	24	13	CA	AB8OU	7,191	141	51	OH
KG5GJT	2,415	69	35	LA	N6TCE	252	21	12	CA	W8TM	5,356	103	52	OH
K5AEB	2,312	68	34	OK	KF6NCX	247	19	13	CA	K8JT	5,040	126	40	MI
AD5WB	2,277	69	33	TX	AE6PL	228	19	12	CA	N4EL	4,859	113	43	OH
N5RZ	1,920	60	32	TX	KM6HB	180	15	12	CA	KB3WAV	4,704	98	48	WV
AF5SW	1,643	53	31	OK	KF6LMB	154	14	11	CA	N8AA	4,524	116	39	OH
KM5JV	1,479	51	29	TX	AD6GE	117	13	9	CA	K8YLK	2,356	76	31	OH
WA5LXS	1,100	44	25	TX	K6QCB	112	14	8	CA	W8ZA	1,400	56	25	WV
N5DTT	1,056	44	24	TX	WQ6X	112	16	7	CA	K9NW	1,008	42	24	OH
WD5ENH	814	37	22	TX	K6LIZ	96	12	8	CA	W8WTS	960	48	20	OH
KU5Y	630	35	18	TX	KG6BKG	88	11	8	CA	NA8Y	760	38	20	OH
W5CBP	486	27	18	NM	KM6BYD	81	9	9	CA	W8PEN	651	31	21	OH
KE5TC	448	28	16	OK	N1TEN	65	13	5	CA	N8FYL	612	36	17	MI
N5PBP	425	25	17	TX	AI6MW	63	9	7	CA	AC8UW	513	27	19	OH
NQ5M	384	24	16	OK	W6RKC	55	11	5	CA	KG9Z	510	30	17	OH
W5MCO	378	27	14	NM	W6SFI	16	4	4	CA	N8CJ	486	27	18	OH
N5MLD	297	27	11	TX	N6NFB	12	4	3	CA	W8ARC	442	26	17	WV
W5QLF	285	19	15	TX	W6PK	9	3	3	CA	N8PPF	405	27	15	OH
AB5XZ	276	23	12	TX	K6TET	1	1	1	CA	W8NFM	368	23	16	OH
AA5AH	252	21	12	TX	*N6AN	1	1	1	CA	WQ8Q	322	23	14	OH
KA5D	228	19	12	TX	K6XX	1	1	1	CA	W8XY	264	24	11	OH
K5TCJ	190	19	10	TX						KC8HQS	260	20	13	OH
KI5DYJ	170	17	10	AR	K7RL	96,264	764	126	WA	W8KNO	240	20	12	OH
W0VX	104	13	8	TX	W7RN (W9KKN)	69,495	615	113	NV	KE8LXT	220	22	10	MI
N5WMQ	99	11	9	NM	KK7AC	60,120	668	90	AZ	KB8ZR	198	18	11	OH
N5ABA	80	10	8	TX	AB7E	58,055	683	85	AZ	N8LEK	105	15	7	MI
KK5KLK	80	10	8	AR	K2RD	53,952	562	96	NV	AC8WC	90	10	9	MI
KF5DPX	70	10	7	TX	W7ZR	45,846	566	81	AZ	KE8IDR	80	10	8	WV
KW5OLF	45	9	5	NM	W7ZZ	42,872	466	92	WA	N8NFE	70	10	7	OH
W5TJS	25	5	5	OK	N7GP	39,474	459	86	AZ	KV8Z	36	6	6	OH
KF5RHI	24	6	4	TX	W6RW	38,947	493	79	AZ	K8AJS	35	7	5	OH
WB5K	20	5	4	TX	KA6BIM	37,632	384	98	OR	W8KNX	2	2	1	MI
AE5MM	12	4	3	OK	N7MZW	31,570	410	77	WY					
					K6VHF	15,376	248	62	AZ	K9CT	130,520	1004	130	IL
NT6Q (K6JO)	92,512	784	118	CA	N9NA	14,742	234	63	AZ	W9RE	120,336	872	138	IN
W6PZ (K6SRZ)	80,586	726	111	CA	WU9B	7,995	195	41	AZ	K9ZO	83,517	679	123	IL
W6AFA	47,500	475	100	CA	K7QA	6,713	137	49	MT	N7US	73,030	670	109	IL
WN6K	39,780	468	85	CA	NK7L	6,084	169	36	WA	K9NR	68,544	612	112	IL
K6GHA	35,328	384	92	CA	AC7AF	4,522	119	38	WY	N5RP	56,888	547	104	IL
K5KT	34,884	459	76	CA	K9RZ	4,200	100	42	AZ	AC9S	45,885	483	95	IL
N6ZFO	30,415	385	79	CA	N7MHZ	3,920	112	35	OR	NA9O	45,227	497	91	IN
KE6GLA	23,904	332	72	CA	KI7AAV	3,686	97	38	WA	WT9U	44,368	472	94	IN
KI6VC	23,868	306	78	CA	KF7U	3,240	81	40	AZ	ND9G	41,924	446	94	IL
K6RO	22,724	299	76	CA	WU6W	2,660	76	35	NV	K9KE	33,264	432	77	IL
K6DBS	18,476	298	62	CA	AG7KO	2,352	84	28	WA	W9XT	27,168	283	96	WI
KH7Y	14,690	226	65	CA	*K7DLX	2,272	71	32	UT	W9AV	26,292	313	84	WI
N6TV	14,444	314	46	CA	K7MKA	2,145	65	33	NV	W9QL	23,463	297	79	IL
W1SRD	14,350	205	70	CA	W7AUM	1,952	61	32	WA	K9BGL	22,854	293	78	IL
KH6CJJ	14,278	242	59	KH6	W7MTL	1,863	69	27	OR	N8KR	20,376	283	72	IN
W6AX (KA6KEN)	13,747	233	59	CA	W7RTM	1,824	57	32	OR	N9LQ	19,434	246	79	IL
W6FA	10,126	166	61	CA	NG7M	1,742	67	26	WY	W9ILY	17,374	238	73	IL
N6VOH	7,755	165	47	CA	KO6UW	1,386	66	21	MT	K9WX	17,050	275	62	IN
K6JAT	6,996	159	44	CA	K7JQ	1,375	55	25	AZ	N9EP	16,184	238	68	IL
AI6LY	4,944	103	48	CA	KK0A	1,092	52	21	WA	WW9R	13,632	213	64	WI
N3ZZ	4,300	100	43	CA	WD7E	943	41	23	ID	AC9KW	13,132	196	67	IL
KG6SVF	4,095	117	35	CA	KQ7TJ	912	38	24	NV	KD9GY	8,996	173	52	IL
K6MR	3,774	102	37	CA	KK7CO (W7ON)	880	40	22	AZ	W9CJM	8,024	136	59	IL

Call Sign	Score	QSOs	Mults	QTH	W9KXQ	765	45	17	IL	NYØMN	1,482	57	26	MN
N9CK	7,897	149	53	WI	W9DEE	740	37	20	IL	WØMB	1,450	50	29	MO
N2BJ	7,866	171	46	IL	AC9QM	740	37	20	IN	ADØDB	1,431	53	27	MN
W9DZ	7,672	137	56	IN	KD9KEG	738	41	18	IN	WAØLIF	1,000	40	25	MN
AG9S	7,592	146	52	IN	NN1N	720	36	20	IL	K2KR	968	44	22	CO
WB8BZK	7,552	128	59	IL	WI9WI	715	55	13	WI	KCØVRV	874	38	23	MN
KC9K	7,473	159	47	IL	*W09S	658	47	14	IL	KØMPH	770	35	22	MN
K7JOE	7,455	213	35	IN	KD9DZT	625	25	25	WI	AAØAI	756	42	18	IA
WT9Q	7,089	139	51	WI	NJ9R	558	31	18	IL	KAØREN	648	36	18	MO
WB9HFK	6,372	118	54	IL	WD9HBF	510	30	17	IL	KCØIUU	609	29	21	KS
WD9CIR	5,474	119	46	IL	KC9WOM	456	24	19	IN	KFØUR	527	31	17	CO
WB9TFF	5,343	137	39	WI	KD9DBQ	384	24	16	IL	KCØVDY	518	37	14	CO
W9PA	4,884	111	44	IN	WB9LWO	368	23	16	IL	KØVH	510	34	15	MN
N9TO	4,815	107	45	IL	K9QQ	336	24	14	IL	KEØSTO	459	27	17	MN
N9OK	4,418	94	47	IL	W9MXQ	315	21	15	WI	NØEO (AAØAW)	400	25	16	MN
AB9YC	4,324	94	46	IL	AB9M	308	22	14	IL	K9OR	368	23	16	CO
W9OA	4,256	112	38	IL	W9TC	299	23	13	IN	W6GMT	322	23	14	MN
WB9TFH	4,095	105	39	WI	N9FN	260	20	13	IN	NAØED	300	20	15	CO
AI9T	4,092	93	44	IL	KM9M	247	19	13	IL	KJØP	264	22	12	MN
W9FFA	3,900	100	39	IN	KB9MQK	228	19	12	IN	KDØWAN	264	24	11	MO
AJ9C	3,870	90	43	IN	KE9YK	209	19	11	IN	NYØT	234	18	13	KS
KK9N	3,783	97	39	IL	N8HWV	209	19	11	WI	WAØLJM	220	20	11	MN
KC9EOQ	3,560	89	40	IL	KG9R	192	16	12	IL	KØJP	126	14	9	MN
KD9KZ	3,034	82	37	IL	WR9Y	190	19	10	WI	KCØFOT	117	13	9	MN
NJ9Q	3,010	86	35	IL	KE9V	140	14	10	IN	KØAE	52	13	4	CO
WB8RFB	2,988	83	36	IL	NG9R	140	14	10	IL	KEØRNB	48	8	6	MO
K9PG	2,982	71	42	IL	W7TAN	112	14	8	IL	KC9LFD	48	8	6	MN
N9TF	2,916	81	36	IL	AI9K	96	12	8	IL	WØGXA	9	3	3	IA
KW9U	2,850	75	38	IL	K9CW	81	9	9	IL					
W9CY	2,774	73	38	IL	KD9MS	75	15	5	IL	VE3PJ	46,560	485	96	ON
AC9BJ	2,590	70	37	WI	KR9U	72	9	8	IN	VE3MGY	18,960	240	79	ON
N9WG	2,244	68	33	IN	K9ELF	72	9	8	IN	VE3DZ	15,561	247	63	ON
WD8DSB	2,232	62	36	IN	KD8VVL	72	9	8	WI	VE3WRL	12,000	250	48	ON
WT2P	2,100	70	30	IL	N9IO	60	12	5	IL	VE9AA	6,923	161	43	NB
KD9MDO	2,040	60	34	IL	WAØJTL	56	8	7	IN	VE9OA	6,216	148	42	NB
K9SE	1,960	56	35	IN	*AF9J	16	4	4	WI	VO1NO	5,250	105	50	NL
K9WPV	1,798	58	31	IN	N9HSJ	15	5	3	IL	VE3SST	5,014	109	46	ON
KJ9C	1,612	52	31	IN	N4TZ	8	4	2	IN	VE3KP	3,864	84	46	ON
KC9UL	1,598	47	34	IL	KC9YL	2	2	1	WI	VE3KZ	2,340	65	36	ON
KT9L	1,540	55	28	IN	KB7ISP	1	1	1	IL	VA3RKM	2,204	76	29	ON
N9LF	1,540	55	28	IN						VE3TM	1,456	56	26	ON
W9YS	1,485	55	27	IL	KØEU	142,104	1146	124	CO	VE7BGP	1,107	41	27	BC
W9SE	1,326	51	26	IL	ACØW	74,766	733	102	MN	VA2RIO	920	40	23	QC
NA9RB	1,316	47	28	IL	NØXT	28,469	343	83	MN	VE3RVZ	627	33	19	ON
NT9E	1,296	54	24	IL	KØVXU	27,477	387	71	KS	VA7EGZ	527	31	17	BC
K9GY	1,260	60	21	IL	WØETT	25,991	329	79	CO	VE3KBI	288	24	12	ON
N9WEW	1,222	47	26	IL	KØEA	18,848	248	76	MN	VE3LBU (RS)	224	16	14	ON
K9PMV	1,222	47	26	IL	KØON	10,443	177	59	MN	VE9RLW	187	17	11	NB
K9DJT	1,215	45	27	WI	NWØM	9,381	177	53	MO	VA2WA	70	10	7	QC
N9JR	1,204	43	28	WI	WØZF	8,232	147	56	MN	VA7VF	42	7	6	BC
KB9OZI	1,196	46	26	IN	KØOP	7,866	138	57	MN	VE7YAH	40	8	5	BC
WE9V	1,100	44	25	WI	WAØN	7,548	204	37	KS	VE7CNW	16	4	4	BC
KYØQ	1,080	45	24	IL	KBØEO	5,805	135	43	MN	*VA3MYC	9	3	3	ON
N9VPV	1,080	45	24	IL	WRØH	5,076	108	47	MO					
K2DRH	1,053	39	27	IL	KØFX	5,074	118	43	CO	NP2P (N2TTA)	24,568	332	74	KP2
KC4D/9	1,037	61	17	IL	WØYJT	4,554	99	46	KS	KP4/K6DTT	2,664	72	37	KP4
NR9K	1,036	37	28	IL	W7KAM	4,032	96	42	MO					
W9VA	1,035	45	23	IL	NØØT	3,648	96	38	CO	EA5DFV	3,872	88	44	DX
KC8PKY	1,012	44	23	IN	NØODK	3,526	86	41	MN					
WA9LEY	988	38	26	IL	AEØTT	3,332	98	34	MO	*QRP				
K9MMS	952	56	17	IL	NØWRK	2,652	78	34	CO					
N9SJ	946	43	22	IL	KDØNEL	2,070	69	30	MN					
N9LJX	874	38	23	IN	KØSCO	2,065	59	35	MO					
N9DR	861	41	21	IN	KØTC	1,922	62	31	MN					
K9LC	836	38	22	IL	WØLGZ	1,534	59	26	MN					
K9IR	780	39	20	IL										

## Multi-Two Scores

Call Sign	Score	QSOs	Mults	QTH	Operators
NV9L	239,605	1408	173	IL	NV9L, WB9Z
WX3B	174,496	1312	133	MD	KD4D, ND3D, WA3AER
W5WZ	136,320	1065	128	LA	K5ER, KA5M, W5LA, W5WZ, WM5H
N5YA	132,272	1181	112	TX	K5QE, N1XS, N5YA
W0ECC	115,196	929	124	MO	KD0YJN, W0ECC, WZ0W
N6RO	108,796	922	118	CA	AJ6CY, K6DAJ, N6GD, N6RO, N6WM
NX6T	81,510	715	114	CA	KF6P, N6ERD, N6KI, W2PWS, W6ZAR, WM6Y
WV4P	74,229	681	109	TN	W4TLK, WV4P
WB2ZAB	74,154	727	102	MD	WB2ZAB
N3QE	70,060	565	124	MD	N3QE
W3LL	68,343	627	109	MD	W3LL
KB3VQC	54,805	565	97	MD	AC3BU, K00O, K3MTR, KA6PNL, KB3VQC, N3DPB, N9SG, WA3EKL
NT0K	53,505	615	87	NC	AA4LS
NU5A	49,864	542	92	TX	K5GN, K5WA, KF5ONT, KG5LRP, NA5D, W5KU, WB3EWP, WG5H
W4MLB	35,868	366	98	FL	W4MLB
K3CCR	29,160	324	90	MD	N3UM, W3GB
AB3CV	28,548	366	78	MD	AB3CV
N4FX	26,460	294	90	VA	N4FX
W6TCP	22,110	335	66	CA	NA6O, W6TCCP
N4CF	19,943	259	77	VA	N4CF
K9GS	17,152	256	67	WI	K9GS
WT8WV	12,285	189	65	WV	WT8WV
NR9E	12,096	216	56	IL	NR9E
K5VIP	11,542	199	58	VA	K5VIP
W1SRG	10,458	166	63	MA	AG1C, K1MT, K1RDD
N3DRL	10,244	197	52	MD	KA3PVS, N3DRL
W8AJT	8,918	182	49	OH	KB8HGW, KD8RLA, KD8SPA, KE8GKF, KE8GKG, N8KYX, N8SDR, WB8TCB
WA1F	8,865	197	45	GA	WA1F, WA1S
K9DUR	7,866	138	57	IN	K9DUR
K4XY	6,900	150	46	VA	AK4AO, K3NHT, K3US, K6BFA, KA0GDI, KJ4CNN, KM4ADP, KM4RDS, KN4TSE, KW4EP, NT8B,
W2WCM,others					
W4EE	6,678	126	53	FL	W4EE
W5GAD	6,664	136	49	LA	W5GAD
K3RA	6,357	163	39	MD	K3RA
W3XOX	6,288	131	48	PA	W3XOX
KP2RUM	6,216	111	56	KP2	K9VV, KE0WGD, NP2SI, NP2SJ
KG3V	6,144	128	48	VA	KG3V
W1IE	5,888	128	46	VA	W1IE
W4PK	5,253	103	51	VA	W4PK
W1FY	5,104	116	44	MA	KB1VLS, KB1VXY, KC1DMM, KE3KK, W1VIV
KK4ODQ	4,797	117	41	VA	KK4ODQ
K4JDF	3,952	104	38	MD	K4JDF
W4VIC	3,744	96	39	VA	W4VIC
W7DK	3,267	99	33	WA	K7PIA, KR7W, KR7W, N7OMS, W7MKE, WB4SPB
WW5L	3,150	75	42	LA	WW5L
W2NPT	3,096	86	36	NJ	K2KCC, N2AAM, W2ABE, W2MSA
W4AAZ	2,496	78	32	FL	KJ4JAH, KN4UDS, KN4UDV, N4DPM
NJ4Q	2,485	71	35	VA	NJ4Q
KK3F	2,325	75	31	MD	KK3F
N1SOH	2,205	63	35	MA	N1SOH, W1FM
WX0Z	2,144	67	32	MIN	WX0Z
KE4YOG	1,664	64	26	NC	KE4YOG
AA4NP	1,586	61	26	FL	AA4NP
K3YH	1,300	50	26	MD	K3YH
VY0ERC	1,275	51	25	NU	VE1RUS, VE3KTB
K4EHI	1,232	44	28	GA	K4EHI
KC2DPF	924	44	21	VA	KC2DPF
WA9IVH	836	38	22	IL	WA9IVH
N3VN	800	40	20	PA	N3VN
VE2NTT	697	41	17	QC	VE2NTT
KC2WUF	589	31	19	NJ	KC2WUF
K0YR	574	41	14	MIN	K0YR
K1ZW	551	29	19	NC	K1ZW
KM4AJ	527	31	17	SC	KM4AJ
W1RH	513	27	19	CA	W1RH
KN3A	510	30	17	PA	KN3A
N5KB	496	31	16	IA	N5KB
KD4VPO	416	26	16	VA	KD4VPO
VO1CRP	400	25	16	NL	VO1CRP
KX4GS	391	23	17	FL	KX4GS
KI5FR	378	27	14	FL	KI5FR, KM4GIS
AE9LL	364	26	14	IN	AE9LL
W6JWP	308	22	14	CA	W6JWP
N7JI	242	22	11	OR	N7JI
W7GFW	231	21	11	WA	W7GFW
N5YHF	220	20	11	TX	N5YHF
KE3KK	220	22	10	MA	KE3KK
K4VBM	132	12	11	GA	K4VBM
K5LGX	121	11	11	TX	K5LGX
W4LAN	88	11	8	VA	W4LAN
NA3M	50	10	5	MD	NA3M
AG6JA	35	7	5	CA	AG6JA

**Check Logs:** AB4Z, AK0BC, CE2LR, K0STP, K7PAC, K9PY, KE0CZQ, KF2UJ, N6OKU, N7EMT, N8DXR, NC6D, NU0W, VA3WW, VE3HED, W1PEF, W3AU, W5MX, W6SX, W8UE, W9AN, WB0DYZ, WB9QIU, WH7Z