

Results: North American QSO Party SSB — August 2017

Researching the early years of contesting, one common element was improving operator skill which includes improving exchange accuracy. Today accuracy is still an important component of every contest. It is probably even more important with log-checking software verifying the entered data for each QSO. For contest operators, the challenge is combining speed with accuracy to maximize scores. If you're a top operator, making one contact every 12 seconds or faster, it doesn't leave much time for repeats or fills.

Top contest operators achieve error rates as low as 1% or lower, but how do they do it? It starts with understanding that every exchange hinges on two parts — the station sending the information and the station receiving the information. The sending station needs to transmit the information clearly and concisely, using standard phonetics and having the transmitter correctly adjusted. The receiving station must listen intently, pay attention to their screens to verify that what they entered matches what was heard — and, if not, be willing to ask for repeats and fills.

Single Operator

The discussion on accuracy leads us into the Single Operator results, where log checking and accuracy were the factors separating

submitted scores from final scores. After log checking, Craig, K9CT, finished first, and Mike, W9RE, was a close second. Only 1,160 points separated the two — a difference of 0.8%. Craig lost 7 out of 1,001 contacts in log checking, while Mike lost 18 QSOs and two multipliers after log checking.

Craig and Mike both reported going to 80 and 160 meters early. This turned out to be a wise decision, as those bands later became noisy, making contacts almost impossible. When 80 and 160 became noisy, Craig moved back to 40. Once there, he tried without success to move stations back to the two lower bands. Mike started the contest planning only a part-time effort, owing to other commitments later in the day. He didn't even have the station

prepared for a full effort. He indicated that conditions favored his midwestern location, compared to west coast stations, as they supported low-band contacts. As the day wore on, and Mike's commitments cleared, he was having so much fun he decided to put in a full effort after all. Good thing! He almost came away with the gold.

Others finishing in the Top Five included Bob, K5WA, in 3rd place; Paul, K5RT, in 4th place, and Mitch, K7RL, in 5th.

QRP

Taking the QRP top spot by a large margin was Ken, K6MR. Ken says he's not much of a phone op and mainly gets on to support his club in the Tri-Club challenge. He must have been having a good

Table 1
Combined scores.

Call Sign	Total	CW Points	SSB Points
W9RE	882	387	495
K9CT	859	359	500
K7RL	608	195	413
K5KU	604	233	371
K9NR	587	238	349
N7MH	579	308	271
N2IC	500	500	0
K0VXU	499	176	323
K16RRN	490	311	179
K7SV	489	273	216

Single Op Top 10

Call Sign	Score	QSOs	Mults	160	80	40	20	15	10	Team
K9CT	141,148	994	142	48/18	109/30	503/52	328/37	3/3	3/2	SMC Team Alpha
W9RE	139,988	886	158	71/22	170/36	354/52	277/41	10/6	4/1	SMC Team Hotel
K5WA	123,520	965	128	5/4	19/12	370/51	559/52	10/7	2/2	
K5RT	121,407	849	143	4/4	25/18	363/50	429/50	21/16	7/5	DFWCG Team Gunsmoke
K7RL	116,754	957	122	8/4	60/20	321/46	566/50	1/1	1/1	
K0UK	115,251	937	123	3/3	53/20	466/50	413/48	1/1	1/1	GMCC Gold
K5KU	104,958	882	119	0/0	45/21	388/46	443/47	2/2	4/3	Deep Dixie CC Team 1
NT5V	101,964	879	116	1/1	20/11	347/46	498/49	10/7	3/2	DFWCG Team Gunsmoke
K9NR	98,685	765	129	8/7	101/26	407/51	244/42	1/1	4/2	SMC Team Alpha
W7RN (WK6I)	97,635	849	115	10/3	44/17	221/47	574/48	0/0	0/0	NCCC Team #1

Single Op QRP Top Five

Call Sign	Score	QSOs	Mults	160	80	40	20	15	10	Team
K6MR	8,909	151	59	7/3	20/9	33/16	91/31	0/0	0/0	NCCC Team #4
KOO	3,528	84	42	8/5	8/6	15/9	51/20	1/1	1/1	
WN4AFP	2,592	72	36	0/0	11/7	57/25	4/4	0/0	0/0	Swamp Foxes
N7NAV	2,516	74	34	0/0	0/0	40/18	33/15	1/1	0/0	
KI9S	1,961	53	37	0/0	0/0	42/27	11/10	0/0	0/0	

Multi-Two

Call Sign	Score	QSOs	Mults	160	80	40	20	15	10
WW4LL	267,020	1580	169	17/10	226/34	763/60	563/56	11/9	0/0
NV9L	213,010	1253	170	83/22	230/39	541/56	389/47	7/4	3/2
WX3B	202,860	1381	147	38/17	260/35	640/54	437/38	5/3	0/0

time, though, as he kept going, operating for nearly 9 hours. Ken also thanks all the stations for pulling out his QRP signal.

Finishing second was Pat, K000, at W3FRC; in 3rd place was Dave, WN4AFP. N7NAV landed in the 4th spot, while KI9S closed out the Top Five. "This was a very long contest this year, with every contact seeming to take forever to complete," said Dave, who thinks he'll run low power in the NAQP for the rest of his ham career.

Multi-Two

Finishing first in the Multi-Two category was WW4LL, with operators Ralph, K1ZZI; Scott, N2WF; Gordon, N4LR; Mike, N9DFD, and Fred WW4LL. This marked an improvement of three places from their January contest finish. In 2nd place was NV9L at WB9Z, with operators Val, NV9L, and Jerry, WB9Z. This was the third NAQP where they finished in 2nd or 1st place. In 3rd place again was WX3B, with K3AJ, N8IVN, WA3AER, and WX3B operating.

In 4th place was N3QE, with operators N3HBX, W3IDT, KB3VQC and N3QE. Closing out the Top Five was WA2CP, with KC2GOW and KB2BSL as operators.

Team Results

Moving up to 1st place in the Team Competition was SMC Team Alpha, with team members K9CT, W9PA, K9NR, WT9U, and WW9R. The 2nd-place team was DFWCG Team Gunsmoke, with members K5RT, NT5V, AD5XD, W5JK, and KD2KW. Coming in third was NCCC Team #1, with W7RN, W6YX, WX5S, K6GHA, and K6LRN.

Combined Scores

The title in the combined scores (see Table 1) goes to Mike, W9RE, with his 5th place CW finish and 2nd place SSB finishes. In 2nd place is Craig, K9CT, who finished 7th in CW and 1st in SSB. The 3rd through 5th spots go to Mitch, K7RL; Gary, K5KU, and Don, K9NR.

Final Comments

As I write this, the Society of Midwest Contesters is working on sponsoring the North American Collegiate Championship. This contest among college club stations occurs during the January NAQP SSB. The hope is not just to get young adults interested in ham radio and radiosport, but to boost activity during the contest. Details are at www.w9smc.com/nacc/. Find a local college club station to help them get on the air for this contest.

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

The next NAQP SSB is Saturday, January 20, 2018.

Team Scores

1. SMC Team Alpha		2. DFWCG Team Gunsmoke		3. NCCC Team #1	
K9CT	141,148	K5RT	121,407	W7RN	97,635
K9NR	98,685	NT5V	101,964	W6YX	76,780
W9PA	90,114	AD5XD	70,399	WX5S	59,976
WT9U	45,962	W5JK	25,810	K6GHA	30,624
WW9R	19,558	KD2KW	1,260	K6LRN	10,089
Total	395,467	Total	320,840	Total	275,104

Team	Operators	Total
4.	GMCC Gold	K0UK, KT0A, N7MZW, WB9KPT 187,880
5.	SMC Team Hotel	W9RE, KB9OWD, KC9UJS, AI9T, WI9WI 153,410
6.	SCCC #1	WN6K, NC6K, N6KI 134,296
7.	AOCC Jailbreakers	W7ZR, W7WW, WU9B, N9NA, NG7Z 132,290
8.	SMC Team Bravo	N7US, W9QL, AC9KW, NT9E, KC9EOQ 119,110
9.	TDXS Eclipse	K5DU, K5TU, AJ4F, WG5H 118,764
10.	KCG	ND4Y, K4FXN, N4HID, N4RZ, K4AVX 115,701
11.	PVRC Northwest #2	W3LL, W3MMM, N3SB, N4ZR 110,791
12.	Deep Dixie CC Team 1	K5KU, KG5FRS 106,750
13.	Flying Iguanas	AJ9C, NG9M, WT2P, W4DTA, KI9A 99,743
14.	SMC Team Juliet	N2BJ, N9LQ, KR9U, N9VPV, KK9N 94,279
15.	PVRC Northwest #1	NA3D, AB3CV, K4FTO 94,089
16.	SCCC #2	KI6RRN, NC6B, W6TK, WB6NBU 93,473
17.	Shenandoah Valley Wireless	NN4JM, W4ZAO, K4PZC, N5SMQ, N4BCC 89,918
18.	Guantesters	WS9V, K9NW, K9NN 77,986
19.	MWA	AC0W, W6NF, KA8HDE 68,499
20.	PVRC Rappahannock #1	K7SV, W6LWG, K4GM 65,905
21.	SECC	K4BAI, KU8E, K8LBQ 55,716
22.	SMC Team Foxtrot	WB9HFK, KC9K, WD9CIR, N9TF, W7KAM 53,980
23.	SMC Team Echo	K9WX, W9XT, K9LA, KW9U, WB8RFB 44,765
24.	The Braille Team	W3IUU, KW3A, KB8TYJ 43,401
25.	PVRC Northwest #3	WR3R, N3HEE, N3DUE, K3MM 43,319
26.	TDXS Flare	K0NM, KG5LRP, WB5TKI, N5DTT 40,416
27.	Talking Guans	K9IG, N9LF, NQ6N, KK9EJ 33,575
28.	NCCC Team #2	N6EE, K7XC, K6ELE, W9KKN 31,972
29.	PVRC Colonial Capital #1	A14WU, KK4R, W3TB, NR4C, WA3RWP 31,366
30.	NCCC Team #4	AJ6V, K6MR, K6XN, AF6SA 29,845
31.	I-Guana Rock and Roll All Night	W9TC, KJ9C, NJ9R, K9PG 29,726
32.	SMC Team November	K9ZO, KC9QQ, AE9YL, K9KJ 26,542
33.	TDXS Totality	W5PF, AD5WB 25,830
34.	PVRC Blue Ridge #1	KE4S, W4AAW, W2YE 23,231
35.	PVRC Annapolis #1	K3RA, W3UL, N3HU 21,890
36.	SMC Team India	K9CQ, AB9YC, W7MB, K9CS 20,374
37.	Radiohio	W8PEN, KC8EVS 19,462
38.	SMC Team Golf	K9DUR, ND9G, K9IR, AD9I, NG9R 18,186
39.	NCCC Team #3	WB6JJJ, W1SRD, K6CSL, W6TCP, N3RC 17,024
40.	SMC Team Kilo	N9CK, KE0L, NM9P, K9KM 17,005
41.	NCCC Team #5	K9YC, W1RH, KA6W, ND2T, NN7SS 16,106
42.	Metro Marauders	WA9LEY, W9ILY, K9BBQ, NV9X 15,138
43.	Peace River Radio Association	K4KXX, KM4LKC, K4DES, KG4QIV 14,072
44.	PVRC Southwest Virginia #2	W4WWQ, K4YCR, NN4RB 13,912
45.	PVRC Southwest Virginia #1	N8AID, KC4D, N4UA, KK4XX 12,166
46.	SMC Team Charlie	K3WA, AF9J, K9GY, KM9M 11,870
47.	PVRC Northwest #4	WB2ZAB, W3MBC 11,243
48.	PVRC North Carolina East #1	KU4V 10,904
49.	Ohio Valley Experimenters Club	NF6H, N8BD 10,678
50.	PVRC Tidewater #1	N4FX, W4VIC 10,234
51.	Swamp Foxes	NE4EA, WN4AFP 10,026
52.	Boiled Owls	KS2G, N2MUN, K2RB, N2YBB 9,725
53.	Old Goats	W5QLF, W5MRM, N5VYS 9,423
54.	SMC Team Mike	WB9TFF, WB9TFH, K9EL, AC9IG, K0KB 8,727
55.	SMC Team Lima	K9ZM, W9FFA, W9YS, WE9V, KD9MS 7,350
56.	ORCA	K6JAT, KE6IUE, WB6NER 6,565
57.	PVRC DC Metro #1	W2CDO, AI1W, K3KU 6,024
58.	GMCC Silver	AK0BC 5,950
59.	SMC Team Delta	N9LJX, NJ9T, AA5UK, N9GUN, W0GXA 5,363
60.	AOCC Rustlers	K7MY, N7LR 4,747
61.	PVRC Downtown DC #1	NN3RP, W8LYJ, W3DQ 3,724
62.	Dixie Renegades	K7DLX, WI7J 2,757
63.	Bristol Duo	K4EDI, AB3I 2,310
64.	PVRC Colonial Capital #2	K4MI, AI4QQ, AJ4RS, KL0S 2,102
65.	Goat Ranch Gang	N5BAA, KD3VK, KI5SC 1,674
66.	SLOECC #1	WA6I, K6NLC, N2CJN 1,471
67.	PVRC Southwest Virginia #3	NJ4Q, KV4JK 1,408
68.	DFWCG Team Bonanza	K7RB 1,122
69.	Hammin' Hogs	W7SXM 660
70.	PVRC DXers #1	AH7U 228

Single Operator Scores

Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH
NA3D	85,172	796	107	ME	K4OWR	83,028	748	111	TN	K4MI	874	38	23	AL
W1TJL	57,310	521	110	CT	ND4Y	79,300	650	122	KY	KS3K	837	31	27	FL
N1STN	22,952	302	76	ME	K7SV	61,125	489	125	VA	AD4IE	792	36	22	NC
K1RM	14,300	260	55	CT	WD5F	60,093	607	99	FL	K4GM	780	39	20	VA
W1FJ	7,493	127	59	MA	N4GU	52,537	491	107	NC	KM4OZH	736	32	23	VA
AE1EZ	6,160	112	55	NH	K4BAI	51,370	467	110	GA	ND4G	736	32	23	FL
K1IMI	4,365	97	45	ME	K4WI	37,260	414	90	AL	NJ4Q	736	32	23	VA
WW1ME	2,656	83	32	ME	W4ZAO	32,470	382	85	VA	W4YG	672	28	24	VA
N1HTB	2,210	65	34	MA	K4FXN	19,602	242	81	KY	KV4JK	672	32	21	VA
KA2KON	1,856	58	32	NH	AI4WU	17,220	205	84	VA	AI4QQ	638	29	22	VA
KE5ISO	1,770	59	30	ME	KE4S	16,915	199	85	VA	K4LPQ	589	31	19	TN
N1IXF	1,584	44	36	CT	W1N (WO4O)	15,770	190	83	FL	K4MIL	528	24	22	VA
K1GMM	1,404	54	26	VT	NJ4Y	15,663	227	69	FL	N4BAT	527	31	17	AL
K7RB	1,122	51	22	ME	KG4IGC	14,256	198	72	SC	K4QPL	520	26	20	NC
KC1SA	912	38	24	CT	K4WW	12,870	198	65	KY	AJ4RS	510	30	17	VA
K1NZ	646	38	17	MA	W4WWWQ	11,200	160	70	VA	W4CWM	480	24	20	SC
KB1IRB	540	30	18	CT	K4WLG	11,084	163	68	KY	KM4IJZ	480	24	20	NC
KD1YV	240	20	12	CT	KN4KL	11,041	181	61	VA	KI4VPD	456	24	19	FL
W4FEB	140	14	10	MA	KU4V	10,904	188	58	NC	NN4RB	450	30	15	VA
KB1VXY	70	10	7	MA	K4PZC	10,208	176	58	VA	AB4UG	437	23	19	SC
KB1GKN/1	21	7	3	ME	KT4BOB	10,005	145	69	VA	*WR4I	399	21	19	VA
N1FZO	1	1	1	MA	N4HID	9,968	178	56	KY	K4AVX	391	23	17	KY
					N4FX	8,909	151	59	VA	W9CTJ	360	24	15	VA
W2FU	46,860	426	110	NY	AC4YD	8,220	137	60	KY	W4DEP	304	19	16	FL
N6EE	19,440	243	80	NY	N4YDU	7,888	136	58	NC	K2PS	285	19	15	FL
W2DTK	17,168	232	74	NY	NE4EA	7,434	118	63	SC	KK4BZ	266	19	14	VA
WB2PJH	15,264	288	53	NJ	K4VBM	7,068	124	57	GA	N3KN	260	20	13	VA
K2ZR	12,220	188	65	NY	W44IPU	6,678	126	53	FL	N3UA	196	14	14	VA
AC2RL	8,037	141	57	NY	K4SBZ	6,480	120	54	FL	N4LZ	156	13	12	FL
KS2G	4,554	99	46	NY	N4RZ	6,440	115	56	KY	KI4MJK	144	18	8	TN
N2MUN	3,204	89	36	NY	AD8J	6,424	146	44	NC	KW4J	144	12	12	AL
WB2ATZ	2,520	70	36	NY	W1GKT	6,215	113	55	AL	KB1RI	120	15	8	NC
K2RB	1,890	63	30	NY	N8AID	5,886	109	54	VA	KB8ABJ	110	11	10	VA
*N2WK	1,596	57	28	NY	KK4R	5,772	111	52	VA	KK4VA	98	14	7	VA
N2RJ	1,250	50	25	NJ	N5SMQ	5,750	125	46	VA	KK4XX	90	10	9	VA
KD2GUD	782	34	23	NY	K4HQK	5,650	113	50	VA	NR4M	81	9	9	VA
KA2HZP	666	37	18	NJ	K1GG	5,544	99	56	VA	KL0S	80	10	8	VA
KC2OSR	660	33	20	NJ	NC4MI	5,488	112	49	NC	KB1WEZ	80	10	8	SC
K4RUM	627	33	19	NY	KG4Y	5,194	106	49	VA	K4MZE	64	8	8	GA
KD2GXL	551	29	19	NY	KC4D	5,040	105	48	VA	KA4RRU	60	10	6	VA
W2JC	510	30	17	NJ	KM4AJ	4,888	104	47	SC	WV4V	60	10	6	FL
KC2KWA	480	24	20	NY	W4DTA	4,598	121	38	TN	*K9GY	35	7	5	VA
KG2DWS	408	24	17	NY	K4ORD	4,508	98	46	VA	KX4AV	20	5	4	KY
N2YBB	77	11	7	NY	K4GMH	4,416	96	46	VA	N4MM	16	4	4	VA
KC2OVM	35	7	5	NJ	K4KXX	4,305	105	41	FL	N3FQ	9	3	3	SC
KD2NON	30	6	5	NY	K4ZW	4,180	95	44	VA	W4IM	4	2	2	VA
K2JF	25	5	5	NY	W3TB	4,171	97	43	VA	NQ4K	1	1	1	VA
					W6LWG	4,000	100	40	VA	N3DRL	1	1	1	SC
					KM4LKC	3,818	83	46	FL					
N3LL	88,536	744	119	MD	K4DES	3,807	81	47	FL	K5WA	123,520	965	128	TX
WY3B	32,256	384	84	PA	K4FTO	3,772	82	46	VA	K5RT	121,407	849	143	TX
K3UL	24,057	297	81	PA	N4BCC	3,690	82	45	VA	K5KU	104,958	882	119	LA
W3MMM	20,288	317	64	MD	W4LID	3,483	81	43	KY	NT5V	101,964	879	116	TX
W3IUU	17,864	232	77	MD	AI4WL	3,444	82	42	NC	K5DU	91,908	828	111	TX
K3WI	16,448	257	64	DE	NR4C	3,300	75	44	VA	AD5XD	70,399	623	113	TX
WR3R	16,080	240	67	MD	W4AAW	3,200	100	32	VA	K5LLA	57,622	613	94	TX
K3WW	13,992	212	66	PA	W2YE	3,116	76	41	VA	AE5P	28,836	324	89	TX
N3HEE	13,596	206	66	MD	KQ4LA	3,075	75	41	VA	W5JK	25,810	445	58	TX
K3RA	13,104	252	52	MD	W2NP	2,997	81	37	GA	W5PF	25,677	317	81	TX
KW3A	12,852	204	63	PA	KK4AND	2,640	66	40	FL	K0NM	19,140	290	66	TX
WB2ZAB	10,750	215	50	MD	*WN4AFP	2,592	72	36	SC	K5TU	19,040	340	56	TX
N3DUE	9,639	153	63	MD	N4VZ	2,457	63	39	SC	KG5LRP	15,066	243	62	TX
W3UL	6,956	148	47	MD	KU8E	2,432	76	32	GA	KM4SII	14,335	305	47	TX
K3UA	6,435	195	33	PA	K4YCR	2,262	58	39	VA	AB5J (AF5Q)	12,803	217	59	OK
W2CDO	5,406	102	53	MD	W4YE	2,244	68	33	VA	KD5RC	12,480	260	48	TX
AB3CV	5,145	147	35	MD	KG4QIV	2,142	63	34	FL	K5LAD	5,940	110	54	OK
K3TN	5,100	102	50	MD	KW4NN	2,124	59	36	SC	KA5M	5,586	98	57	LA
K3MM	4,004	91	44	MD	W0MPPM	2,088	58	36	VA	AJ4F	5,406	102	53	TX
*K0OO	3,528	84	42	MD	N4JRP	2,080	65	32	SC	W5QLF	4,635	103	45	TX
NN3RP	2,190	73	30	DC	K8LBQ	1,914	58	33	GA	N5ZY	4,452	106	42	OK
N3HU	1,830	61	30	MD	KJ4HZ	1,792	56	32	GA	WG5H	4,410	98	45	NM
W3MR	1,768	52	34	MD	AB4Z	1,643	53	31	NC	W5MRM	4,356	121	36	TX
N3SB	1,743	83	21	MD	N7EO	1,512	54	28	FL	K5SVV	4,320	96	45	TX
K3VOA (K4ZW)	1,320	55	24	DC	W1IE	1,500	50	30	VA	WB5TKI	4,230	94	45	TX
W8LYJ	1,248	48	26	MD	W4GFY	1,470	49	30	TN	KD5J	3,783	97	39	AR
N3VN	1,128	47	24	PA	KD4QMY	1,380	46	30	GA	KF5ZPL	2,898	69	42	AR
KD3D	861	41	21	PA	K3SEN	1,372	49	28	VA	KT5TE	2,457	63	39	TX
N3ATE	814	37	22	PA	K4EDI	1,350	50	27	TN	KG5IEE	2,380	70	34	TX
N3XL	759	33	23	MD	K0ZR	1,344	48	28	VA	N5DTT	1,980	55	36	TX
N3PEC	594	27	22	PA	KG9LB	1,333	43	31	VA	KG5FRS	1,792	56	32	LA
W3MBC	493	29	17	MD	W4VIC	1,325	53	25	VA	N5OCO	1,568	56	28	OK
KC3HEO	475	25	19	PA	N4UA	1,150	50	23	VA	AB5KN	1,400	50	28	TX
AI1W	378	27	14	MD	WB4WLF	1,128	47	24	AL	K5AVY	1,372	49	28	TX
AB3U	374	22	17	MD	KI4CBN	1,107	41	27	NC	KD2KW	1,260	45	28	TX
W3DQ	286	22	13	DC	KC4EZN	1,092	42	26	NC	AD5MD	1,100	50	22	TX
K3KU	240	20	12	MD	KF1P	1,035	45	23	SC	KY5M	1,050	42	25	TX
N4ZR	224	16	14	MD	NT4Z	1,015	35	29	FL	N5BAA	888	37	24	TX
K3RMB	170	17	10	PA	AB3I	960	40	24	TN	KD3VK	722	38	19	TX
*N3JIX	9	3	3	PA	K3YEO	925	37	25	VA	WD5RAH	713	31	23	TX
W3EDP	6	3	2	PA	WA3RWP	903	43	21	VA	KD5QAQ	693	33	21	TX

Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH
KC5FVW	684	38	18	TX	W6SFK	1	1	1	CA	W9PA	90,114	653	138	IN
KC5DCT	672	32	21	TX	NJ6G	1	1	1	CA	WS9V	73,406	578	127	IL
W5ANE	480	32	15	TX						N7US	71,316	566	126	IL
N5VYS	432	24	18	TX	K7RL	116,754	957	122	WA	N2BJ	65,201	577	113	IL
N5OF	360	24	15	TX	W7RN (WK6I)	97,635	849	115	NV	AJ9C	61,425	525	117	IN
KE5OG	350	25	14	TX	W7ZR	65,205	805	81	AZ	WT9U	45,962	469	98	IN
K5KMS	338	26	13	TX	W7WW	45,212	508	89	AZ	K9BGL	45,900	450	102	IL
K5YVY	322	23	14	MS	N7MZW	26,175	349	75	WY	W9QL	35,844	348	103	IL
NO5F	247	19	13	AR	K2RD	17,856	279	64	NV	K9IG	25,647	309	83	IN
W5TJS	182	14	13	OK	WU9B	16,704	348	48	AZ	W9IU	24,605	259	95	IN
AD5WB	153	17	9	TX	W7ZZ	11,592	207	56	WA	K9ZO	22,718	307	74	IL
N5AJD	150	15	10	TX	K7XC	9,800	140	70	NV	NG9M	22,176	264	84	IN
KN6Q	135	15	9	TX	KJ9C	8,732	148	59	MT	W9AV	21,924	261	84	WI
K5ELF	135	15	9	TX	KB6UNC	8,364	164	51	UT	K9WX	21,672	258	84	IN
KG5KRZ	88	11	8	LA	K7NN	5,824	112	52	AZ	W9XS	21,316	292	73	IL
N5WMQ	78	13	6	NM	K7MY	3,735	83	45	AZ	WW9R	19,558	254	77	WI
K15SC	64	8	8	TX	N9NA	3,458	91	38	AZ	W9XT	18,468	228	81	WI
W5TCB	20	5	4	AR	AE7LT	3,276	84	39	MT	WB9HFK	17,304	206	84	IL
					NK7L	3,230	95	34	WA	W9TC	16,892	206	82	IN
KH7XS	97,130	883	110	KH6	AA7TV (KG7QBT)	3,116	82	38	MT	KC9K	15,000	200	75	IL
W6YX (N7MH)	76,780	698	110	CA	*N7NAV	2,516	74	34	WY	N9LQ	13,770	170	81	IL
W6AFA	69,500	695	100	CA	NG7Z	1,711	59	29	AZ	N9TK	12,338	199	62	IL
WX5S (@N6RO)	59,976	588	102	CA	K7DLX	1,682	58	29	UT	KR9U	12,084	159	76	IN
N6NF	53,088	474	112	CA	N7VPN	1,484	53	28	WA	K3WA	11,715	165	71	IL
WN6K	51,205	539	95	CA	W8WOM	1,450	58	25	OR	WD9CIR	11,524	172	67	IL
K16RRN	50,784	529	96	CA	K7MEE	1,200	48	25	ID	WT2P	10,808	193	56	IL
NC6K	44,806	521	86	CA	W7SE	1,200	50	24	WY	NA9RB	9,702	154	63	IL
N6KI	38,285	403	95	CA	KD7VIK	1,152	48	24	OR	WA9LEY	9,620	148	65	IL
NC6B	34,977	393	89	CA	WI7J	1,075	43	25	UT	N9TF	8,064	128	63	IL
K6GHA	30,624	348	88	CA	W7PU	1,071	51	21	WA	N9CK	7,938	126	63	WI
AJ6V	17,136	252	68	CA	N6LB	1,025	41	25	WA	N9JF	7,896	188	42	IL
WB6JJJ	13,230	210	63	CA	N7LR	1,012	46	22	AZ	KG9X	7,722	143	54	IL
K9YC	12,308	181	68	CA	KO6UW	693	33	21	MT	K9DUR	7,686	122	63	IN
K6LRN	10,089	171	59	CA	W7SXM	660	30	22	WA	K9CQ	6,930	126	55	IL
*K6MR	8,909	151	59	CA	WA7DHQ	630	30	21	AZ	KB9OWD	6,804	126	54	WI
W6FA	6,708	129	52	CA	KF7DX	595	35	17	WA	W9IE	6,480	120	54	IL
K6JAT	6,345	135	47	CA	KV7J	532	28	19	AZ	AC9KW	6,264	108	58	IL
W6TK	4,826	127	38	CA	WQJTC	510	30	17	UT	AB9YC	6,157	131	47	IL
N6WM	4,365	97	45	CA	K17GXV	510	34	15	OR	N9FN	6,148	106	58	IN
K6XN	3,239	79	41	CA	*N6HI	480	30	16	AZ	ND9G	5,782	118	49	IL
W1SRD	3,195	71	45	CA	K6DGW	420	28	15	NV	K9BTQ	5,459	103	53	WI
WB6NBU	2,886	78	37	CA	AD7OG	338	26	13	OR	KG9N	5,304	104	51	IL
W6JBR	2,664	72	37	CA	KA6JLT	264	22	12	NV	KD9YK	5,200	100	52	IL
N6KT	2,541	77	33	CA	KE71K	216	18	12	WY	N7MB	5,152	92	56	IL
K6ELE	2,368	64	37	CA	K1AUS	180	18	10	MT	KE0L	4,731	83	57	IL
WH7W	2,304	72	32	KH6	*N6AN/7	154	14	11	NV	N9LF	4,656	97	48	IN
W1RH	2,166	57	38	CA	AF7VC	140	14	10	OR	NT9E	4,444	101	44	IL
N0KQ	1,740	58	30	CA	KK7A	96	12	8	ID	KC9UJS	4,095	91	45	IL
K6MUG	1,680	56	30	CA	KE7WNB	66	11	6	OR	KS9A	4,067	83	49	IL
WA6URY	1,584	66	24	CA	*W7TR (KH2TJ)	54	9	6	OR	K9ZM	4,018	82	49	IL
KE8FT	1,560	60	26	CA	*NN7SS (K6UFO)	50	10	5	WA	W9ILY	3,838	101	38	IL
KA6W	1,512	56	27	CA	KC3ASH	36	6	6	UT	WB9TFF	3,705	95	39	WI
W6IA	1,372	49	28	CA	WA7CPA	16	4	4	WA	KC9QQ	3,680	80	46	IN
WA6I	1,326	51	26	CA	KA7TTY	8	4	2	WA	K9OR	3,634	79	46	IL
W6RKC	1,300	50	26	CA	K7EEEX	8	4	2	OR	WB9TFH	3,534	93	38	WI
N3ZZ	1,276	44	29	CA	KF7IZC	4	2	2	WA	K9LA	3,280	82	40	IN
KR6N	1,250	50	25	CA	KA6BIM	3	3	1	OR	NQ6A	3,237	83	39	IL
WA7BNM	1,104	46	24	CA	K17CMA	2	2	1	AZ	N9EF	3,225	75	43	IL
AE6YB	748	34	22	CA						N9LJX	2,736	76	36	IN
AF6SA	561	33	17	CA	N8II	92,375	739	125	WV	K9SE	2,584	68	38	IN
W6IFN	540	30	18	CA	W8PSP	90,508	748	121	MI	K9IR	2,475	75	33	IL
N6ORB	512	32	16	CA	NN4JM	37,800	420	90	OH	NR9K	2,470	65	38	IL
N6VH	493	29	17	CA	W8PEN	19,363	289	67	OH	NJ9T	2,412	67	36	IL
K6CSL	459	27	17	CA	KW8N	14,656	229	64	OH	KJ9P	2,318	61	38	IL
N2NS	425	25	17	CA	KB8TYJ	12,685	215	59	MI	NJ9R	2,232	62	36	IL
KM6I	420	28	15	CA	W8MET	11,895	195	61	OH	NM9P	2,176	64	34	IN
W9KKN	364	28	13	CA	AB8OU	10,985	169	65	OH	K9KM	2,160	72	30	IL
K6MI	252	18	14	CA	NF6H	10,608	156	68	OH	W9MXQ	2,135	61	35	WI
AA6SF	252	21	12	CA	N8PE	10,578	246	43	OH	K9CS	2,135	61	35	IL
KM6HQS	242	22	11	CA	N4RA	8,704	136	64	WV	AD9I	2,074	61	34	IL
*AH7U	228	19	12	KH6	K8RGI	8,004	138	58	OH	*K19S	1,961	53	37	IN
W6UZ	204	17	12	CA	W8CUB (K2CUB)	7,398	137	54	MI	AI9T	1,953	63	31	IL
AI6UW	162	18	9	CA	K9CAV	5,712	112	51	OH	N9VPV	1,950	65	30	IL
K6MM	160	16	10	CA	WA8MXJ	4,752	108	44	MI	NQ9A	1,885	65	29	WI
WB6AAJ	143	13	11	CA	K9NW	4,484	118	38	OH	K9PG	1,870	55	34	IL
KH6TU (AD6E)	143	13	11	KH6	K0ACP	3,330	74	45	MI	N9JR	1,802	53	34	WI
AD6GE	126	14	9	CA	K8MR	2,220	60	37	OH	W9FFA	1,736	56	31	IN
K6NLC	120	12	10	CA	KF8MZ	1,925	55	35	OH	K9EL	1,426	46	31	IL
KE6IUE	120	12	10	CA	N8BV	1,479	51	29	OH	KK9N	1,274	49	26	IL
WB6NER	100	10	10	CA	N8DXP	897	39	23	MI	K9IJ	1,248	48	26	IL
W6TCP	90	10	9	CA	N8TCP	864	36	24	OH	KC9EOQ	1,242	46	27	IL
ND2T	70	10	7	CA	KE8GFK	714	34	21	OH	KW9U	1,225	49	25	IL
KF6NCX	63	9	7	CA	KD8ORN	682	31	22	OH	K9BBQ	1,134	42	27	IL
N3RC	50	10	5	CA	W8KNO	450	30	15	OH	W9YS	1,066	41	26	IL
NA6O	48	16	3	CA	K8EC	176	16	11	OH	W9KG	988	38	26	IN
N6QAD	48	8	6	CA	KC8EVS	99	11	9	OH	K9MMS	875	35	25	IL
KG6FIY	40	10	4	CA	N8BD	70	10	7	OH	KI9A	736	32	23	IL
KI6OY	30	6	5	CA	N8JAF	9	3	3	OH	N9SJ	714	34	21	IL
N2CJN	25	5	5	CA						AI9I	648	36	18	IL
N6BCT	25	5	5	CA	K9CT	141,148	994	142	IL	WI9WI	570	30	19	WI
KK6VZE	9	3	3	CA	W9RE	139,988	886	158	IN	NV9X	546	26	21	IL
W6JTI	6	3	2	CA	K9NR	98,685	765	129	IL	W9VA	532	28	19	IL

Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH
KOØZ	448	28	16	IL	WØLAL	4	2	2	IA	VE3IAE	1,872	72	26	ON
WE9V	440	22	20	WI						VE3PYJ	943	41	23	ON
K9ELF	320	20	16	IN	VE3PJ	56,925	575	99	ON	VE7BGP	858	39	22	BC
WB9QIU	273	21	13	IN	VA3DF	50,295	479	105	ON	VA3TIC	612	34	18	ON
AB9M	252	18	14	IL	VE3RZ	43,260	420	103	ON	VA3EEB	315	21	15	ON
KC9YL	247	19	13	WI	VE9RAC (VE9ML)	19,491	267	73	NB	VA2BS	88	11	8	QC
WØ9Z	240	20	12	IN	VE3VY	10,089	171	59	ON	VA3PCJ	16	4	4	ON
N9IO	204	17	12	IL	VE2CJR	9,600	192	50	QC	VA2LPQ	7	7	1	QC
*N9AA	180	15	12	IN	VA3LR	8,294	143	58	ON	VE2GT	1	1	1	QC
NG9R	169	13	13	IL	VE3KTB	7,182	133	54	ON					
N9SE	165	15	11	IN	VE3SST	6,765	123	55	ON	TI8/AA8HH	1,485	55	27	TI
AA5UK	126	14	9	IL	VE9OA	3,795	115	33	NB	NP4LW	42	7	6	KP4
WB8RFB	120	12	10	IL	VE4EV	3,696	84	44	MB					
NX9Y	108	12	9	IL	VE3AYR	2,484	69	36	ON	TM6M	1,248	48	26	DX
AE9YL	104	13	8	IN	VE3HED	2,135	61	35	ON					
*AF9J	104	13	8	WI						*QRP				
K9CW	100	10	10	IL										
W9EEU	99	11	9	IN										
K9NN	96	12	8	IN										
KD9MS	90	10	9	IL										
KK9K	90	10	9	WI										
W9NXM	84	14	6	IL										
N9POL	81	9	9	IL										
N9GUN	80	10	8	IL										
*AB9PR	66	11	6	IL										
W9S (WO9S)	63	9	7	IL										
WR9Y	55	11	5	WI										
K9QJ	49	7	7	IL										
AC9IG	42	7	6	IL										
K9KJ	40	8	5	IN										
WA9IVH	36	6	6	IL										
AC9AK	35	7	5	WI										
KK9EJ	35	7	5	IN										
WT9Q	30	10	3	WI										
WAØJTL	30	6	5	IN										
KD9BWU	28	7	4	IN										
N4TZ	25	5	5	IN										
KM9M	16	4	4	IL										
K9ZW	12	4	3	WI										
N9EP	12	4	3	IL										
K9CC	1	1	1	IL										
KØUK	115,251	937	123	CO										
KØVXU	91,417	809	113	KS										
ACØW	63,484	538	118	MN										
W7WM	54,023	607	89	CO										
KTØA	27,968	368	76	SD										
KIØI	27,056	304	89	MO										
KØOU	24,570	270	91	MO										
WB9KPT	18,486	234	79	CO										
NWØM	13,200	200	66	MO										
WA2JQZ	9,774	181	54	CO										
KN4FRG	8,909	151	59	MO										
WØYJT	7,598	131	58	KS										
AAØFO	7,084	154	46	KS										
KBØVHA	6,916	133	52	CO										
AKØBC	5,950	119	50	CO										
KØKR	5,720	104	55	CO										
WØHBH	4,928	154	32	MO										
K2KR	4,275	95	45	CO										
W6NF	4,131	81	51	MN										
KEØLMQ	3,870	86	45	IA										
WB9QAF	3,705	95	39	NE										
KAØREN	3,550	71	50	MO										
WAØTTS (KCØDDZ)	3,520	88	40	MO										
NØEMU	3,234	77	42	CO										
KDØCVZ	3,075	75	41	ND										
WØUY	3,003	77	39	KS										
W7KAM	2,088	58	36	MO										
KDØXOX	1,989	51	39	ND										
KØSCO	1,881	57	33	MO										
N1XK	1,530	51	30	IA										
*WBØIWG	1,450	58	25	ND										
NØDSN	1,410	47	30	MN										
N5TU	1,392	48	29	MO										
KØVBU	1,350	50	27	KS										
KØUA	1,050	42	25	MO										
KA8HDE	884	34	26	MN										
KØDAJ	861	41	21	SD										
KEØITC	828	36	23	IA										
NØWRK	700	35	20	CO										
KCØJRW	682	31	22	NE										
AEØDM	595	35	17	CO										
KØARY	345	23	15	MO										
KCØWCF	306	18	17	MN										
KFØIQ	154	14	11	MO										
KDØFZT	143	13	11	MN										
WAØLIF	143	13	11	MN										
KJØP	80	10	8	MN										
KDØWUQ	42	7	6	ND										
KØKB	20	5	4	IA										
WØGXA	9	3	3	IA										

Call Sign	Score	QSOs	Mults	QTH	Operators
WW4LL	267,020	1580	169	GA	K1ZZI, N2WF, N4LR, N9DFD, WW4LL
NV9L	213,010	1253	170	IL	NV9L, WB9Z
WX3B	202,860	1381	147	MD	K3AJ, N8IVN, WA3AER, WX3B
N3QE	162,488	1069	152	MD	KB3VQC, N3HBX, N3QE, W3IDT
WA2CP	112,671	963	117	NY	KB2BSL, KC2GOW
ND8DX	109,810	790	139	OH	ND8DX, WV8SW
W4MLB	97,858	866	113	FL	AF4Z, AK4MI, K4FIT, K4QD, K9ES, KA4JRY, NB4C, WB5ZGA
NØAX	80,620	695	116	MO	KDØGYL, KWØKW, NØAX
W4ML	67,276	556	121	VA	W4MYA
K9KE	56,700	540	105	IL	K9KE
VA2CZ	47,348	532	89	QC	VA2CZ, VE2BWL
K3CCR	40,796	434	94	MD	N3UM, W3GB
WA3EKL	39,403	433	91	MD	N3DPB, WA3EKL
KY4NA	36,360	404	90	KY	KE4KY, NM9R, WX4W
AE7VA	27,224	332	82	AZ	AE7VA, WA7NWL
W2SO	22,512	268	84	NY	AG2AA, N2WLS, W2MKW
W4JAM	20,468	238	86	VA	W4JAM
K7UT	20,400	300	68	UT	K7UT
W4EE	17,226	198	87	FL	W4EE
W9YK	16,872	222	76	IL	W9YK
N4TP	14,544	303	48	FL	KJ4NYD, N4TP
KK9V	12,506	169	74	IN	KK9V
N4CF	11,618	157	74	VA	N4CF
NØKTK	11,408	184	62	MO	KEØHXL, NØKTK
N4EEV	10,792	142	76	GA	N4EEV
W9WB	8,260	140	59	IL	KB9MAA, W9WB
VO1CRC	7,889	161	49	NL	VO1AX, VO1CRP, VO1FOX, VO1JQB, VO1ZAP
K4XL	6,990	233	30	VA	K4XL
KØMD	6,106	142	43	MN	KØMD
KG3V	5,712	102	56	VA	KG3V
W5ANR	5,202	102	51	OK	KE5TC, W5GOL, W5TMC
K5LGX	4,136	94	44	TX	K5LGX
K9PY	3,960	90	44	IL	K9PY
K5VIP	3,783	97	39	VA	K5VIP
W2NPT	3,774	102	37	NJ	KC2ZX, KD2NRS, N2AAM, W2DLT, W2NPT, WX2R
KA3PMW	3,538	122	29	PA	KA3PMW, KC3DQY
W3GVX	3,515	95	37	MD	W3GVX
Ti5W	3,384	94	36	TI	N3KS
K3MAW	3,300	75	44	MD	K3MAW
KD4LEM	2,278	67	34	VA	KD4LEM
N5MKY	2,090	55	38	MI	N5MKY