

# Results: North American QSO Party RTTY — July 2016

It is fascinating to see how operators are coping with the decline in sunspots. While some operators complain, “Nothing heard on 10 meters,” other operators look for strategies to obtain at least a small “bonus” from that band. Many operators listen to 10 meters before the start and may decide to try it for the first few minutes when the largest number of stations are likely to be there. Other ops prefer to start with a high rate on 15 or 20 meters, and then check 10 meters after the first and second hours. A common approach is to listen at the top of the hour and on the half-hour. At odd times, you can call CQ and wait for a multi-two station or an operator with a spectrum scope to notice you. Finally, you can ask a loud station on 15 meters to “move” with you to 10 meters to try for a contact. All strategies need to be evaluated against the time they take away from making contacts on other bands.

In the July NAQP RTTY Single-Operator category, W7RN “Radio Nevada” operated by WK6I achieved first place. Second place was Jeff, ACØC, who had been first in July 2015. Jeff had a leading 10 meter score

with 42 QSOs and 12 multipliers on 10 meters from Kansas! In third place was Steve, N9CK, who was first in July 2014 and July 2013. Good scores were posted by the SWACC#1 team members to take the Team Competition. SMC fielded eight Teams. Single-Operator, QRP echoes last July, with W7YAQ leading NN7SS (K6UFO).

In the Multioperator, Two Transmitter category, NØNI in Iowa lead the way with 1062 contacts — on 10 meters made 13 contacts with 10 multipliers. In second place, the mighty K3LR station made its first appearance in a NAQP RTTY with a group of operators from the North Coast Contesters. Third place, W4AAW had one local and five remote operators. CQ Contest Hall of Fame member Don, AA5AU, provides his observations on remote operating in our sidebar, “My First Remote RTTY Contest Experience.”

A new South Dakota record was set by Todd, WDØT, at the KDØS station. A special thank you to the Hawaiians and Alaskans who showed up, despite the challenge of greater distance. Thank you

to N6TR and WA7BNM for producing our results, and to Icom America for sponsoring our plaques. Our next NAQP RTTY will be February 25, 2017.

## Soapbox

Transmitter on low power, air conditioner on high power. — *K6LRN*

Since I mowed half of my 80 meter antenna, I couldn't get much going there. — *KD9MS*

I did 3 hours of DMC RTTY in the morning, 6 hours of NAQP RTTY, and 15 minutes of CQ WW VHF after I went mad from the sound of diddles. — *A16DO*

Some sweet moves to 80 meters near the very end. — *N3QE*

That's okay, I'll get him next time... — *KG4IGC*

Ran remote from the boat via my Android phone. — *KC9EE*

With fond memories of my dear friend Milt Jensen, N5IA (SK). — *K7IA*

Mostly search and pounce, enjoying each band as it closed. — *K6MI*

My antenna was about 2 feet above the roof and pointed at 240°. I can't believe this many stations heard me! — *W6OAT*

## Single Op Top 10 Breakdowns

Call Sign	Score	QSOs	Mults	80	40	20	15	10	Team
W7RN (WK6I)	134,568	801	168	40/16	221/50	394/54	140/43	6/5	NCCC #1
ACOC	117,860	710	166	119/33	202/44	230/45	117/32	42/12	The Borg
N9CK	116,200	700	166	141/32	220/51	244/48	90/30	5/5	SMC Ohms
WA5ZUP	112,632	741	152	70/26	245/47	348/51	78/28	0/0	SWACC #1
AA3B	111,000	750	148	99/25	280/49	304/47	63/23	4/4	SWACC #1
K9OM	107,402	647	166	52/24	192/46	296/55	97/33	10/8	SWACC #1
K9NR	99,820	620	161	89/32	163/46	250/50	116/31	2/2	SMC Ohms
W4GKM	90,663	643	141	71/25	217/46	228/48	127/22	0/0	SWACC #1
K5DU	90,520	620	146	32/20	124/40	314/47	143/34	7/5	
N4ZZ	89,712	623	144	92/30	247/49	230/45	54/20	0/0	

## Single Op QRP Top Five Breakdowns

Call Sign	Score	QSOs	Mults	80	40	20	15	10	Team
W7YAQ	35,754	303	118	21/8	68/34	159/47	53/27	2/2	
NN7SS (K6UFO)	29,450	310	95	11/6	25/11	200/48	73/29	1/1	NCCC #3
K6GHA	4,928	112	44	0/0	0/0	109/42	3/2	0/0	NCCC #2
W1IE	3,872	88	44	8/6	24/17	56/21	0/0	0/0	PVRC SWVA
VA3SB	1,624	56	29	0/0	7/6	49/23	0/0	0/0	

## Multi-Two Breakdowns

Call Sign	Score	QSOs	Mults	80	40	20	15	10
NØNI	202,842	1062	191	157/42	311/51	437/52	144/36	13/10
K3LR	117,369	731	161	128/33	246/49	276/50	75/25	4/4
W4AAW	99,372	637	156	56/28	218/49	304/51	56/25	3/3

Team Scores	Team	Operators	Total
<b>1. SWACC #1</b>	4. SMC Watts	K9WX, K3WA, N2BJ, WT2P, KW9U	205,364
WA5ZUP 112,632	5. The Borg	ACØC, WØMB, KI0I	175,794
AA3B 111,000	6. NCCC #2	N6TV, W1SRD, K6LRN, K6GHA, K9YC	139,544
K9OM 107,402	7. 599 DXA	NA5NN, W5UE, KK5OQ, N5PU, NM5Z	132,818
W4GKM 90,663	8. SMC Bauds	N7US, WB8BZK, N9EP, N9OK, K9OR	130,194
KE5OG 32,829	9. SWACC #2	W8BAR, K7TQ	127,196
<b>Total 454,526</b>	10. DFW Contest Group Eagle	AD5XD, K5CI, N3BUO	120,559
	11. PVRC also-rans	N3QE, W4VIC, N3XL, K4YCR, W3DQ	97,450
	12. Baud Boyz	NX8G, AB1J, KK4HEG, W4UK	97,397
	13. KCG	ND4Y, KU4A, KM4FO, AJ4A, N9KY	88,535
	14. Metro DXers	W9ILY, N9LAH, WA9LEY	78,571
	15. Arizona Outlaws CC	W7CT, AE7VA, W1ZD	73,761
<b>2. SMC Ohms</b>	16. DFW Contest Group Falcon	NA5U, AF5I, WQ5L, W5RZ, AC5T	72,851
N9CK 116,200	17. SMC Amps	NJ9R, KJ9C, W9XT, W9DCA	67,374
K9NR 99,820	18. SCCC	W6TK, K16QDH	58,695
KD9MS 84,803	19. PVRC NW	W3GVX, W3LL, AB3CV, K4FTO, K3CCR	56,026
K9CT 74,550	20. Shenandoah Valley Wireless	W4PJW, W4PFM, AD4TJ, N5SMQ, K4PZC	51,512
WT9U 61,740	21. RSM Diddlers	VE3CX, ACØMN, W6NF	49,169
<b>Total 437,113</b>	22. NCCC #3	NN7SS, WØYK, K6MM	46,864
	23. PVRC SWVA	K4XL, N4UA, W1IE, N2QT, KV4JK	46,258
	24. SMC Volts	AB9YC, KEØL, KR9U, N9TF	42,372
<b>3. NCCC #1</b>	25. NCCC #5	K6SRZ, N6GEO, N6RO, K6MI, N6WM	42,196
W7RN 134,568	26. Swamp Fox Contest Group	KG4IGC, NJ4F, K7OM, AJ4UQ	40,659
K6MR 85,146	27. RTTY RATS	K7OX, KH6GMP	37,736
N6IE 58,072	28. TCG	K4RO, WØAG, K4EDI, NA4C, K3FH	36,925
AF6SA 26,754	29. PVRC Rappackers	N4CF, K4GMH, ND3N, K3NC	35,168
KR6N 16,188	30. Milford Ohio ARC	WS6K, KC8RPV, K8DV, AE8S	32,736
<b>Total 320,728</b>	31. NCCC #4	NA6O, K6XN, W6RKC	27,846
	32. SMC Farads	WB8RFB, N9VPV, KU9V, K9ZM	27,355
	33. DFW Contest Group Condor	WF5E, AD5LU	19,467
	34. Digi Owls	KS2G, N2MUN	19,225
	35. SMC Coulombs	AI9T, W9FFA, AF9J, KC9EE, KC9YL	11,321
	36. SECC	N4BFR, N4EWT	9,403
	37. SMC Teslas	W9FX, NG9R	2,344

### My First Remote RTTY Contest Experience by Don Hill, AA5AU

Remote contesting is something I have been interested in for a long time now. So, when Mike Lonneke, W4AAW, invited me to join the W4AAW remote contesting team, I eagerly accepted. What made the offer exciting was the opportunity to operate a contest station on the East Coast without having to leave my home in Louisiana. Mike, a long time RTTY contester, has built a totally remote contest station in Round Hill, Virginia. The station is designed primarily for multi-multi SSB, CW, and RTTY contesting, but can also handle multi-single and multi-two efforts in contests where multi-multi is not available. It is believed to be the only remote multi-multi station of its kind in the world.

Being the new kid on the block, I decided not to rush in but, instead, to watch and monitor the group and learn the protocols and procedures necessary for proper operation of the station. Mike has put together guidelines to ensure the station is operated correctly. When I finally got "connected," I quickly realized this remote contesting isn't as easy as it seems. I felt like a rookie, but it was exciting. After 6 months, I was finally ready to jump in and give it a try.

The first obstacle I had to overcome was learning *NIMM Logger+*. Being a long time *WriteLog* user, it was like learning a new language. Next, I had to learn how to tune the VFO on the remote radio. You don't tune the VFO traditionally, as you would if the radio was in front of you. Perhaps you do that with the Elecraft K3 that occupies one of the three operating positions at W4AAW, but I don't own a K3. The radios at the two other positions are Yaesu FT-2000s and are operated using the Yaesu PCC-2000 software. You have a picture of the radio on the remote computer, and it takes up nearly half of the screen, leaving little room for the RTTY decoder and logging windows. So what do you do? You minimize the radio and operate as if it wasn't even there. That's a little weird, but it works.

I had to change the way I normally operate. At home, I operate SO2R with hands on both radios. At W4AAW, I operate one radio but without being able to physically touch it. I can't tell you how many times I caught myself reaching for the VFO of my Icom radio sitting turned off in front of me. At home I do a lot of search and pounce, but at W4AAW, you run more because, after all, it's a big contest station. That doesn't mean you don't search for multipliers or other stations to work when it's slow. There is no search and

pounce in the usual sense. Instead of turning a knob on a radio, you click the cluster spots and then fine tune the signals using a Griffin PowerMate USB knob. This takes practice.

The July 2016 NAQP RTTY contest was my first full-time effort operating remotely at W4AAW, and it was great fun. It was interesting to see how it all comes together. Fortunately, Mike has built a station that is automated to the point where you don't have to worry about switching anything when you change bands; everything is ready to go. The station worked flawlessly. I'm hooked on remote contesting now, so if you don't see AA5AU scroll across your screen this RTTY contest season, it's because I'm operating W4AAW remotely and really enjoying it.



Figure 1 — Don, AA5AU, remotely operated W4AAW in Virginia, using the on-screen software and the USB tuning knob visible to the right of his keyboard. [Don Hill, AA5AU, photo]

## Single Operator Scores

Call Sign	Score	QSOs	Mults	QTH	Team	Call Sign	Score	QSOs	Mults	QTH	Team
W8BAR (W1TO)	76,076	572	133	MA	SWACC #2	W4VIC	29,304	296	99	VA	PVRC also-rans
K1IMI (N4CW)	41,747	383	109	ME		KB5JC	29,103	327	89	GA	
AB1J	32,204	332	97	MA	Baud Boyz	KU4A	27,499	257	107	KY	KCG
K1SD	29,412	342	86	RI		K4XL	24,795	261	95	VA	PVRC SWVA
KA2KON	15,660	261	60	NH		K7SV	22,865	269	85	VA	
W1HBR	13,760	215	64	CT		K4RO	18,105	213	85	TN	TCG
K1RCT	10,726	173	62	CT		KG4IGC	17,958	219	82	SC	Swamp Fox Contest Group
KB1VUN	9,996	147	68	NH		K9JU	16,915	199	85	TN	
K5ZD	9,869	139	71	MA		KK4HEG	16,716	199	84	NC	Baud Boyz
WA1DRQ	8,911	133	67	MA		KM4FO	16,268	196	83	KY	KCG
WW1ME	8,410	145	58	ME		N4UA	15,663	227	69	VA	PVRC SWVA
KC1ANM	6,670	115	58	CT		K4HAL	13,896	193	72	AL	
W1PFZ	6,600	132	50	MA		N4CF	13,542	183	74	VA	PVRC Rappackers
N1MD	4,472	104	43	CT		W0AG	12,877	163	79	TN	TCG
WA1YZN	3,729	113	33	NH		K4GMH	12,190	265	46	VA	PVRC Rappackers
KB1GKN	3,080	70	44	NH		W4JAM	11,753	161	73	VA	
W1ZFG	1,440	48	30	CT		NJ4F	10,878	147	74	SC	Swamp Fox Contest Group
KE5ISO	736	32	23	ME		K4WW	10,833	157	69	KY	
KC1SA	560	28	20	CT		KE4S	10,336	152	68	VA	
*W1KAW	30	6	5	MA		AA4YL	9,782	146	67	AL	
						K7OM	9,715	145	67	SC	Swamp Fox Contest Group
W2GN	42,586	398	107	NY		W4PFM	9,636	146	66	VA	Shenandoah Valley Wireless
KB2CKN	17,200	200	86	NY		AB9CA	8,550	150	57	AL	
WA2LXE	16,683	201	83	NJ		K4HPS	7,973	119	67	NC	
KS2G	15,309	243	63	NY	Digi Owls	N4BFR	7,035	105	67	GA	SECC
N2ZN	15,096	204	74	NY		NN4RB	6,464	101	64	VA	
W2GR	13,760	215	64	NY		KJ4LTA	6,084	117	52	AL	
WB2PJH	10,098	187	54	NJ		KB5EZ	6,032	116	52	AL	
K2AL	8,509	127	67	NJ		AD4TJ	5,777	109	53	VA	Shenandoah Valley Wireless
KA2FHN	7,906	118	67	NY		W4UK	5,772	111	52	SC	Baud Boyz
AK2S	5,610	102	55	NJ		W0QQG	5,635	115	49	VA	
NW2K	5,247	99	53	NY		AJ4A	5,544	99	56	KY	KCG
N2MUN	3,916	89	44	NY	Digi Owls	AD4ES	5,244	138	38	FL	
W2JV	3,399	103	33	NY		NS4X	5,160	120	43	TN	
AC2IK	3,311	77	43	NY		W4JL	4,606	94	49	NC	
K2QMF	2,652	68	39	NY		N4KH	4,067	83	49	AL	
AC2OC	2,546	67	38	NY		NC4MI	3,977	97	41	NC	
W2LE	2,415	69	35	NJ		*W1IE	3,872	88	44	VA	PVRC SWVA
W2FDJ	1,496	44	34	NJ		K4MI	3,735	83	45	VA	
K2KIB	1,440	48	30	NJ		N5SMQ	3,645	81	45	VA	Shenandoah Valley Wireless
WB2NFL	1,160	40	29	NY		N3CKI	3,634	79	46	VA	
AC2FA	888	37	24	NY		K4FTO	3,358	73	46	VA	PVRC NW
KD2DVV	374	22	17	NJ		AB4LX	3,200	80	40	GA	
WA1PCY	16	4	4	NJ		N4XYZ	2,940	70	42	VA	
						K4EDI	2,835	63	45	TN	TCG
AA3B	111,000	750	148	PA	SWACC #1	NO4Y	2,592	81	32	NC	
N3QE	65,408	448	146	MD	PVRC also-rans	KA1DBE	2,574	66	39	VA	
W3GVX	30,616	344	89	MD	PVRC NW	NA4C	2,562	61	42	TN	TCG
AB3TM	18,960	240	79	MD		K3NC	2,380	68	35	VA	PVRC Rappackers
W3LL	15,925	175	91	MD	PVRC NW	N4EWT	2,368	64	37	GA	SECC
K3TN	10,074	138	73	MD		KB1RI	2,124	59	36	NC	
WA3ZSC	9,546	129	74	PA		AJ4UQ	2,108	62	34	SC	Swamp Fox Contest Group
W0BR	9,360	156	60	PA		AC4YD	2,072	56	37	KY	
WA3AAN	8,960	140	64	PA		AI4WW	1,952	61	32	FL	
ND3N	7,056	144	49	MD	PVRC Rappackers	K4SBZ	1,950	65	30	FL	
N3HEE	6,930	110	63	MD		N4QS	1,760	55	32	KY	
W3MR	6,200	100	62	MD		N4GU	1,560	60	26	NC	
K3DBG	5,450	109	50	PA		W2YE	1,485	45	33	VA	
K3NDM	4,650	93	50	MD		*N2QT	1,428	51	28	VA	PVRC SWVA
AB3CV	4,608	128	36	MD	PVRC NW	*KD3PC	1,056	48	22	TN	
K3CWF	4,230	90	47	DE		ND4X	950	50	19	KY	
KB3JZB	3,828	87	44	PA		K4YCR	840	35	24	VA	PVRC also-rans
K2LNS	2,408	86	28	PA		K4PZC	760	40	19	VA	Shenandoah Valley Wireless
W3OFD	1,914	58	33	PA		K3IE	646	34	19	TN	
WN3LIF	1,696	53	32	PA		KK4VA	594	27	22	VA	
N3XL	1,568	49	32	MD	PVRC also-rans	KC4EZN	546	26	21	NC	
K3CCR (N3UM)	1,519	49	31	MD	PVRC NW	KV4JK	500	25	20	VA	PVRC SWVA
W3BUI	1,120	40	28	MD		W4GDG	425	25	17	VA	
K3UA	663	39	17	PA		KN4KL	273	21	13	VA	
W3SFG	640	32	20	MD		W4VG	168	14	12	VA	
K3FH	546	26	21	PA	TCG	NQ4K	150	15	10	VA	
W3CB	384	24	16	MD		KF4IRC	90	10	9	VA	
W3DQ	330	22	15	MD	PVRC also-rans	AB1AX	49	7	7	VA	
AI1W	238	17	14	MD		AE4WG	42	7	6	FL	
N3FJP	144	12	12	MD		N9KY	16	4	4	KY	KCG
KC3BRA	80	10	8	PA		AD4AX/4	15	5	3	VA	
W4GKM	90,663	643	141	TN	SWACC #1	WA5ZUP	112,632	741	152	NM	SWACC #1
N4ZZ	89,712	623	144	TN		K5DU	90,520	620	146	TX	
ND4Y	39,208	377	104	KY	KCG	NA5NN (K2FF)	69,168	524	132	MS	599 DXA
W4PJW	31,694	299	106	VA	Shenandoah Valley Wireless	N5ZC	68,520	571	120	TX	
						AD5XD	62,361	507	123	TX	DFW Contest Group Eagle

Call Sign	Score	QSOs	Mults	QTH	Team	Call Sign	Score	QSOs	Mults	QTH	Team
K5CI	43,778	371	118	TX	DFW Contest Group Eagle	W6OQI	1,888	59	32	CA	
NA4M	42,364	356	119	TX		KH6GMP	1,274	49	26	KH6	RTTY RATS
NA5U	38,627	361	107	TX	DFW Contest Group Falcon	K06LU	1,271	41	31	CA	
AC4CA	35,164	298	118	TX		W6NS	1,271	41	31	CA	
KE5OG	32,829	353	93	TX	SWACC #1	N6WM	861	41	21	CA	NCCC #5
W5UE	30,975	295	105	MS	599 DXA	AH6KO	722	38	19	KH6	
N5KWN	26,465	335	79	TX		K9YC	570	30	19	CA	NCCC #2
K5TXM	24,528	292	84	TX		KK6I (WW6CC)	180	15	12	CA	
KK5OQ	18,954	243	78	MS	599 DXA	*NF6A (K6XX)	80	10	8	CA	
K5RZA	16,835	259	65	TX							
KC5FP	16,492	217	76	TX		W7RN (WK6I)	134,568	801	168	NV	NCCC #1
WM5H	15,544	232	67	NM		K7TQ	51,120	426	120	ID	SWACC #2
AF5I	15,169	197	77	TX	DFW Contest Group Falcon	W7CT	40,068	378	106	UT	Arizona Outlaws CC
N3BUO	14,420	206	70	TX	DFW Contest Group Eagle	K7OX	36,462	354	103	WA	RTTY RATS
N2JCS	12,675	195	65	TX		*W7YAQ	35,754	303	118	OR	
WF5E	12,096	189	64	TX	DFW Contest Group Condor	K7JR	32,754	318	103	OR	
N5PU	10,797	183	59	MS	599 DXA	*NN7SS (K6UFO)	29,450	310	95	WA	NCCC #3
WQ5L	9,815	151	65	MS	DFW Contest Group Falcon	WS7V	19,125	225	85	WA	
KF5VRD	8,164	157	52	OK		AE7VA	18,018	231	78	AZ	Arizona Outlaws CC
N5XE	8,120	116	70	OK		W1ZD	15,675	209	75	AZ	Arizona Outlaws CC
AD5LU	7,371	117	63	TX	DFW Contest Group Condor	N0EF	15,168	192	79	MT	
N5RN	7,134	123	58	AR		KJ9C	14,742	182	81	MT	SMC Amps
W5RZ	6,720	105	64	AR	DFW Contest Group Falcon	K7GS	13,328	196	68	WA	
N5RLM	5,671	107	53	LA		W6RLL	12,506	169	74	AZ	
N5FNC	3,872	88	44	TX		KB7N	10,143	161	63	WA	
K5BG	3,003	77	39	TX		W7WEC	10,140	156	65	WA	
NM5Z	2,924	86	34	MS	599 DXA	W9PL	8,940	149	60	WA	
K08V	2,812	76	37	TX		AD7XG	8,296	136	61	WA	
AC5T	2,520	84	30	TX	DFW Contest Group Falcon	W7SLS	8,128	127	64	WA	
KD5J	2,279	53	43	AR		NW7D	6,750	125	54	WA	
WV5Y	1,450	50	29	TX		KY7M	4,230	90	47	AZ	
KC2LM	1,053	39	27	NM		N7JAP	2,880	72	40	WA	
K7ZYV	840	40	21	MS		W7ZR	2,673	81	33	AZ	
KG5HPS	814	37	22	TX		WA7BME	2,553	69	37	UT	
AB5XM	546	26	21	TX		N7JI	2,144	67	32	OR	
WA9AFM/5	128	16	8	OK		K7RBT	2,006	59	34	OR	
						KB0NHW	1,856	58	32	ID	
K6MR	85,146	617	138	CA	NCCC #1	W8NOR	1,624	58	28	AZ	
N6TV	64,890	515	126	CA	NCCC #2	KC7V	1,155	55	21	AZ	
N6IE	58,072	488	119	CA	NCCC #1	AD7OG	1,118	43	26	OR	
W1SRD	52,920	420	126	CA	NCCC #2	*WB7CYO	814	37	22	ID	
KH6ZM	46,217	409	113	KH6		K7EG	780	30	26	WA	
W6TK	40,875	375	109	CA	SCCC	AK7O	682	31	22	UT	
K6TU	40,112	368	109	CA		K7AZT	288	24	12	AZ	
WQ6X	31,445	331	95	CA		K7JSG	228	19	12	WA	
AF6SA	26,754	273	98	CA	NCCC #1	W7GDK	221	17	13	AZ	
NN6NN	21,312	222	96	CA		AL7L	220	20	11	KL7	
AA2IL	19,888	226	88	CA		WQ3U	130	13	10	OR	
KI6QDH	17,820	220	81	CA	SCCC	KA6JLT	72	9	8	NV	
K6LRN	16,236	198	82	CA	NCCC #2	*K9JWV	63	9	7	UT	
KR6N	16,188	228	71	CA	NCCC #1						
AI6DO	15,525	207	75	CA		NX8G	42,705	365	117	OH	Baud Boyz
KA6WKE	15,444	198	78	CA		K8AJS	33,598	314	107	OH	
NA6O	14,504	196	74	CA	NCCC #4	K4YJ	32,274	326	99	OH	
K6SRZ	14,378	182	79	CA	NCCC #5	N8FYL	26,664	264	101	MI	
AE6Y	14,256	176	81	CA		W56K	19,046	214	89	OH	Milford Ohio ARC
N6GEO	11,524	172	67	CA	NCCC #5	N8HP	14,691	177	83	OH	
K6XN	10,530	162	65	CA	NCCC #4	WA8KAN	11,534	146	79	WV	
W6OAT	9,420	157	60	CA		NI8Z	9,940	142	70	OH	
W0YK	9,230	142	65	CA	NCCC #3	K3JT	9,577	157	61	WV	
N6HE	9,135	145	63	CA		KC8RPV	8,890	127	70	OH	Milford Ohio ARC
KH6TU (AD6E)	8,493	149	57	KH6		N8TCP	8,246	133	62	OH	
N6RO	8,357	137	61	CA	NCCC #5	K8BL	6,200	100	62	OH	
K6MM	8,184	132	62	CA	NCCC #3	K0ACP	5,841	99	59	MI	
K6MI	7,076	122	58	CA	NCCC #5	N8PCN	5,565	105	53	OH	
KW6S	7,040	128	55	CA		WN8U	5,508	108	51	OH	
WH7W	6,076	98	62	KH6		AE8TF	4,048	88	46	MI	
ND2T	5,000	100	50	CA		K7DR	4,048	88	46	MI	
*K6GHA	4,928	112	44	CA	NCCC #2	AF8A	3,872	88	44	OH	
W6JBR	4,738	103	46	CA		K8DV	3,840	96	40	OH	Milford Ohio ARC
K6EU	4,233	83	51	CA		AD8Y	3,525	75	47	OH	
K6HGF	3,772	92	41	CA		K9NW	3,485	85	41	OH	
KE6SHL	3,388	77	44	CA		KG8DH	1,372	49	28	OH	
N6LL	3,312	72	46	CA		AE8S	960	40	24	OH	Milford Ohio ARC
KM6I	3,034	82	37	CA		W8AKS	570	30	19	WV	
KA6W	3,015	67	45	CA		K8AVJ	437	23	19	MI	
K6LE	2,992	68	44	CA							
W6RKC	2,812	76	37	CA	NCCC #4	N9CK	116,200	700	166	WI	SMC Ohms
KK6TV	2,720	80	34	CA		K9OM	107,402	647	166	WI	SWACC #1
N0KQ	2,706	66	41	CA		K9NR	99,820	620	161	IL	SMC Ohms
NC6B	2,622	69	38	CA		KD9MS	84,803	619	137	IL	SMC Ohms
N6AJS	2,560	64	40	CA		K9CT	74,550	525	142	IL	SMC Ohms
N6KIM	2,470	65	38	CA		K9WX	71,010	526	135	IN	SMC Watts
K6ZH	2,320	58	40	CA		WT9U	61,740	490	126	IN	SMC Ohms
WU6K	2,160	54	40	CA		W9ILY	57,600	400	144	IL	Metro DXers
N2NS	1,947	59	33	CA		N7US	54,120	410	132	IL	SMC Bauds



Call Sign	Score	QSOs	Mults	QTH	Team	Call Sign	Score	QSOs	Mults	QTH	Team
K3WA	52,705	415	127	IL	SMC Watts	VE3TW	39,984	392	102	ON	
W9PA	44,895	365	123	IN		VE3KI	32,219	319	101	ON	
W9IU	44,110	401	110	IN		VE3CX	27,391	301	91	ON	RSM Diddlers
NS9I	43,363	421	103	WI		VE3MGY	22,356	243	92	ON	
NJ9R	42,768	396	108	IL	SMC Amps	VA7ST	15,908	194	82	BC	
WB8BZK	37,632	336	112	IL	SMC Bauds	VA2QR	11,661	169	69	QC	
N2BJ	32,239	313	103	IL	SMC Watts	VE3WPV	9,672	156	62	ON	
WT2P	26,664	303	88	IL	SMC Watts	VE2ZT	8,584	148	58	QC	
KW9U	22,746	223	102	IL	SMC Watts	VE7IO	6,987	137	51	BC	
K9SE	19,228	209	92	IL		VA7AM	5,734	122	47	BC	
AB9YC	17,935	211	85	IL	SMC Volts	VE3NRT	4,420	85	52	ON	
N9EP	17,466	213	82	IL	SMC Bauds	VA5LF	3,876	76	51	SK	
KE0L	16,669	211	79	IL	SMC Volts	*VA3SB	1,624	56	29	ON	
N9LAH	15,820	226	70	IL	Metro DXers	VE7BGP	1,102	38	29	BC	
N9OK	12,506	169	74	IL	SMC Bauds	VE2EBK	1,075	43	25	QC	
WA9IVH	12,160	160	76	IL		VE7FCO	756	36	21	BC	
WB8RFB	9,514	134	71	IL	SMC Farads	VE2EZD	304	19	16	QC	
W9XT	9,216	128	72	WI	SMC Amps						
N9VPV	9,042	137	66	IL	SMC Farads	NP4RA	3,569	83	43	KP4	
K9OR	8,470	121	70	IL	SMC Bauds	*NP3RE	238	17	14	KP4	
W9AKS	7,812	124	63	WI							
AI9T	6,608	118	56	IL	SMC Coulombs	IZ4AFW	3,240	90	36	DX	
W9BU	6,300	100	63	IN		PY4XX	777	37	21	DX	
WB9TFH	5,684	98	58	WI		JA7ZP	9	3	3	DX	
KR9U	5,472	96	57	IN	SMC Volts	YO3GNF	2	2	1	DX	
WA9LEY	5,151	101	51	IL	Metro DXers						
KU9V	4,992	96	52	IN	SMC Farads	*QRP					
K9CQ	4,802	98	49	IL							
WB9TFF	4,400	80	55	WI							
K9ZM	3,807	81	47	IL	SMC Farads						
W9KG	3,139	73	43	IN							
W9FFA	3,116	82	38	IN	SMC Coulombs						
W9RE	2,340	60	39	IN							
W9FX	2,340	65	36	IL	SMC Teslas						
N9TF	2,296	56	41	IL	SMC Volts						
N9LF	1,120	40	28	IN							
N9LQ	1,071	51	21	IL							
*AF9J	999	37	27	WI	SMC Coulombs						
WQ9T	925	37	25	IL							
W9DCA	648	27	24	IL	SMC Amps						
KK9DX	630	35	18	IL							
WX4SIL	576	32	18	IL							
K9DUR	522	29	18	IN							
N9CO	504	28	18	IL							
KC9EE	468	26	18	IL	SMC Coulombs						
KC9YL	130	13	10	WI	SMC Coulombs						
NG9R	4	2	2	IL	SMC Teslas						
AC0C	117,860	710	166	KS	The Borg	NW6P	35,086	331	106	CA	NW6P, WX5S
WD0T	87,292	628	139	SD		N8VCF	32,585	343	95	WV	N8VCF, NW8U
N0AT	69,632	544	128	MN		K2DSL	28,608	298	96	NJ	K2DSL
KI6DY	69,550	535	130	KS		K3AJ	28,215	285	99	MD	K3AJ, ND3D, W3KX, WA3AER
K0JJR	38,280	330	116	MN		W1RH	27,468	252	109	CA	W1RH
W0MB	35,150	370	95	MO	The Borg	VA3MJR	27,200	272	100	ON	VA3MJR
AB0S	23,560	248	95	KS		KG9X	24,124	326	74	IL	KG9X
KI0I	22,784	256	89	MO	The Borg	KS0AA	23,655	285	83	KS	KS0AA
KI0J	21,432	228	94	CO		N6ZFO	20,657	227	91	CA	N6ZFO
WB9KPT	20,984	244	86	CO		N9NA	19,530	217	90	AZ	N9NA
AC0MN	20,038	233	86	MN	RSM Diddlers	W9AV	18,321	197	93	WI	W9AV
WB0N	19,800	198	100	MN		KJ8O	18,270	210	87	MI	KJ8O
K0MPH	19,256	232	83	MN		WA7YAZ	17,238	221	78	UT	WA7YAZ
W0GJ	18,160	227	80	IA		XE2B	16,428	222	74	XE	XE2B
K0WA	17,424	242	72	KS		WG0M	16,060	220	73	MN	WG0M
K6XT	11,856	208	57	CO		NA2M	16,038	198	81	NY	NA2M
K0YB	10,519	157	67	MO		WR0U	15,355	185	83	IA	WR0U
KS0M	9,522	138	69	MO		VE7FO	12,750	170	75	BC	VE7FO
NU0W	8,470	121	70	MN		W3CQB	12,546	153	82	PA	W3CQB
KF0UR	7,900	158	50	CO		AA0AW	10,773	171	63	MN	AA0AW
K0TC	7,366	127	58	MN		KS5Z	9,628	166	58	TX	KS5Z
W0UY	5,508	108	51	KS		N4SVC	9,100	182	50	FL	N4SVC
N0GOS	5,499	117	47	CO		KL7IWC	8,370	155	54	KL7	KL7IWC
AJ2G	5,136	107	48	IA		K3MD	7,968	166	48	PA	K3MD
K0XU	5,000	100	50	NE		KM4FRM	7,503	123	61	KY	KM4FRM
WA0LJM	4,356	99	44	MN		AD9I	7,503	123	61	IL	AD9I
NU7R	4,343	101	43	CO		KP4JRS	6,683	163	41	KP4	KP4JRS
K0SDW	3,822	91	42	CO		AC9GK	6,510	105	62	IN	AC9GK
K4IU	3,552	96	37	MN		K6GT	5,304	102	52	CA	K6GT
W0KK	3,157	77	41	NE		N1FF	5,043	123	41	MA	N1FF
W6NF	1,740	58	30	MN	RSM Diddlers	KE5LQ	5,040	80	63	TX	KE5LQ
KC0AYG	1,035	45	23	IA		W4GZX	4,664	88	53	TN	KK4STV, KK4YEM
N0KTK	560	28	20	MO		K0VG	4,080	85	48	MN	K0VG
*K0ANS	468	26	18	CO		W4TTY	2,016	56	36	VA	W4TTY
NG9M/0	406	29	14	CO		AJ4F	1,900	76	25	TX	AJ4F
VA3DF	61,595	485	127	ON		W3UL	1,650	50	33	MD	W3UL
VE3JI	45,312	384	118	ON		K4HTA	1,550	62	25	VA	K4HTA
						N9IO	1,155	55	21	IL	N9IO
						AG2T	1,104	48	23	NY	AG2T
						W9YK	483	23	21	IL	W9YK
						KD9BVD	368	23	16	IN	KD9BVD, KK9V
						SM5EPO	336	21	16	DX	SM5EPO
						WU0B	306	18	17	SC	WU0B
						SB0A	36	6	6	DX	SM0LPO
						K9EL	12	4	3	IL	K9EL
						KG9N	9	3	3	IL	KG9N