

# Results: January 1991 North American QSO Parties

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The first running of the January NAQP can only be described as a tremendous success. Over 140 logs were received for CW and over 100 for SSB. This triples the previous records for log submissions. It seems that the new 100-watt power limit and date change from April to January really brought everyone out of the woodwork (having the dates right in CQ and QST didn't hurt either!).

A look at the top ten on CW shows that there was plenty of activity, with top-scoring stations KZ2S (operating at N2RM) and KM9P/4 both topping the 800-QSO mark. The top scores are pretty well distributed across the country. Even AG9A made the top ten from the proverbial "Black Hole." Mark's score is even more amazing when you realize his operating scenario. To quote from Mark's letter he sent in with his logs:

"Mike, AC9C, and I did two legitimate single ops from his home due to an ice storm wiping out my antennas. We set up two 930s; one for 10, 20, and 80 and one for 15, 40, and 160. Before the contest started, we agreed to switch radios every 20 minutes. We had to literally stand up, grab our log sheets and drinks and walk over to the other operating position every 20 minutes. Mike's station is quite small (KT-34A and wires). Considering the novelty of what we did we really had a great time. We had little flexibility in passing mults and sometimes were forced to be on bands we didn't want to be on, but it still rates as one of the most fun things we've done."

By the way, AC9C finished 11th place overall. I wonder what these guys could have done if they didn't have to share a station! As you can see from Mark's comments, you didn't need a huge station to be one of the top scorers. It was very nice to operate a contest without signals blocking the receiver front end. It's surprising how effective 100 watts is.

A look through the logs of the top scorers reveals operating strategies that you might find helpful for your next NAQP effort. Almost all the top scorers moved multipliers whenever they had the chance. It appears that folks like WA1GUV (VT), W5XX (MS), WC7S (WY), and WD0T (SD) really got their band switches worked over. Also, the top scorers stayed on 10 and 15 meters longer than most others, perpetuating the old rule of thumb: Stay on the highest band that's open.

Team competition is another new addition to the NAQPs. The idea is so popular in the NA Sprints that we borrowed it, but with five members per team (instead of ten). A fair number of CW teams entered, so hopefully the idea will catch on. Congratulations to Team Quatro on their number-one CW effort. The members of the winning team receive T-shirts, so get your team rosters to K8CC for the August contest.

## CW TOP TEN

### Single Operator

Call	Score	QSOs	Mult	10	15	20	40	80	160	Team
KZ2S	226,530	839	270	140/54	173/52	172/51	204/50	97/37	53/26	FRC #1
KM9P/4	217,198	830	262	105/43	156/49	187/52	194/47	119/41	69/29	QUATRO
N5RZ	202,184	796	254	136/46	155/49	168/52	174/44	106/36	57/27	
K6LL/7	191,590	782	245	169/52	172/50	180/53	161/47	81/33	19/10	SCCC #1
K4XS	158,828	673	236	108/45	144/48	117/48	176/45	97/36	31/14	QUATRO
WC4E	154,560	672	230	137/50	163/45	124/43	135/44	90/35	23/13	QUATRO
WD0T	147,490	686	215	114/39	152/39	164/43	157/44	69/33	31/17	
AG9A	147,180	669	220	75/35	119/38	145/47	158/43	119/37	53/20	SOMC
K3WW	145,555	677	215	87/33	102/37	155/43	160/44	107/36	66/22	FRC #1
K8NZ	142,500	625	228	77/30	89/42	124/45	163/46	110/36	62/29	NCCCWW #1

### Multioperator

AA0AW	122,100	660	185	93/28	147/35	158/41	179/46	83/35	0/0	
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## CW TEAM SCORES

Team Quatro	Frankford Radio Club #1	North Coast Contesters CW Warriors #1	Society of Midwest Contesters
KM9P/4 216,936	KZ2S 226,530	K8NZ 142,500	AG9A 147,180
K4XS 158,828	K3WW 145,555	WB3KKX/8 140,399	AC9C 142,170
WC4E 154,560	K2TW 116,235	KQ8M 123,018	W9YOL 105,664 (W00G, opr)
K4BAI 136,032	KA2AEV 100,648	K3UA 91,500	W9XT 44,850
K0LUZ/4 112,424	W2GD 65,670	K5ZD/3 31,920	
Totals 778,780	654,638	529,337	439,864

Southern California Contest Club #1 (K6LL/7, W9NQ/6, K6XO/7, K16VC)	427,794
Southern California Contest Club #2 (KV0I, WE7B, WE7G, NC6U, K6NA)	365,149
Frankford Radio Club #2 (AA3B, KE2PF, WW2Y)	290,285
Lunatic Fringe (K7SS, N7LOX, N0AX/7)	276,397
The Hobos (N2NT, WM2H, KR2J)	14,929

The turnout was high for the phone weekend also. The leading scorers did their best to entice the casual passerby, as well as serious participants, into giving them a QSO (see KM9P's soapbox comment). As in the CW weekend, the leaders built up large multiplier totals by aggressive band-changing. Bill, KM9P, clinched the top spot in a close race with Ralph, N5RZ. After the dust settled, Bill's incredible multiplier of 60 on 40 meters put him over the top.

It's interesting to compare the band breakdowns of WB3KKX and N3BJ, two SSB top-toppers from Western PA. Although their scores are almost identical, note the different QSO distributions—two different operating strategies produced almost the same result.

The SSB contest didn't have quite as high a team turnout as the CW event, but the Texas DX Society #1 team did a fine job to take the top spot. I'd like to clear up some confusion that was apparent in some team registrations. Separate team lists are required for the CW and phone weekends. As originally worded, the rules may not make this entirely clear.

By the way, check out all those entries from Maine on both modes. I wonder if the ARRL receives that many Maine entries in SS. Will we see a Team Maine in the next NAQP?

The multioperator category didn't seem

too popular in this running of the NAQP. Still, some fine scores came from the few serious participants. Congratulations to the AA0AW crew on their winning CW effort. The winning NK7U crew on SSB certainly used this category for all it was worth with an incredible 1129 QSOs.

Now for some comments from the log checker. Approximately 80 percent of logs were done using some sort of computer program. The majority of people use K8CC's NA, and some others were also used. Having all those computer printouts sure makes the job of checking logs easier. If possible, please include a disk with your logs. A lot of people feel their logs get scrutinized more if they send in a disk. This is not the case with the NAQP; it just helps reduce the time to cross-check logs and speeds up publishing the results.

This NAQP was not without some minor problems. About a week before the CW contest I got a phone call from KM9P telling me that K4BAI found a mistake in the rules. Sure enough, the 10-hour operating limit for single operators was left out when I rewrote the rules. This was a problem, since K8CC's article describing the rules change clearly stated the 10-hour limit. Several proofreadings didn't uncover the error (it took a judge to find it!). Rather than confuse the issue further, the NAQP committee decided to go

**CW SCORES**

*Single Operator*

Call	Score	QSOs	Mult	Area	Team	Call	Score	QSOs	Mult	Area	Team
K8HVT/1	125,424	603	208	CT		W6UQF	134,232	658	204	CA	
NY1E	81,096	436	186	ME		W9NQ/6	112,100	590	190	CA	SCCC #1
KN1M	72,732	418	174	ME		N6NF	72,663	457	159	CA	
NX1T	40,068	318	126	ME		W6MVW	54,236	364	149	CA	
W1XN	34,006	347	98	ME		N6SUZ	43,875	351	125	CA	
AB1U	32,895	255	129	CT		KC6EYZ	36,680	280	131	CA	
WA1GUV	31,250	250	125	VT		WN4KKN/6	19,902	214	93	CA	
KJ4KB/1	23,896	232	103	CT		NC6U	17,000	200	85	CA	SCCC #2
N1AFC	6572	106	62	ME		KI6VC	16,434	166	99	CA	SCCC #1
WA1WPR	1230	41	30	ME		W7CB/6	15,605	195	79	CA	
KA1UEH	660	30	22	ME		K6NA	6570	105	54	CA	SCCC #2
NU1C	88	11	8	MA		N6AA	5160	86	60	CA	
KZ2S	226,530	839	270	NJ	FRC #1	KT6V	2160	54	40	CA	
K2TW	116,235	615	189	NJ	FRC #1	K6LL/7	191,590	782	245	AZ	SCCC #1
KA2AEV	100,648	547	184	NY	FRC #1	K7WA	131,539	661	199	WA	
KE2PF	94,535	511	185	NJ	FRC #2	WE7B	122,688	568	216	UT	SCCC #2
WW2Y	73,701	431	171	NJ	FRC #2	K7SS	111,132	588	189	WA	Lunatic
W2GD	65,670	398	165	NJ	FRC #1	K6XO/7	107,670	555	194	UT	SCCC #1
KB2NU	21,924	203	108	NY		WE7G	85,225	487	175	AZ	SCCC #2
W5KI/2	18,810	171	110	NJ		N7LOX	84,328	508	166	WA	Lunatic
N2NT	10,164	132	77	NJ	Hobos	N0AX/7	80,937	529	153	WA	Lunatic
W2HCA	5292	98	54	NJ		KA7JBX	48,510	385	126	OR	
WM2H	2730	78	35	NJ	Hobos	KZ4H/7	34,122	282	121	NV	
KR2J	2035	55	37	NJ	Hobos	WC7S	32,125	255	125	WY	
AE2N	1196	52	23	NJ		KT7G	14,915	157	95	WA	
WB2DVU	600	25	24	NY		KI7Y	3034	74	41	OR	
K3WW	145,555	677	215	PA	FRC #1	WL7E	2178	66	33	AK	
AA3B	122,049	639	191	PA	FRC #2	K8NZ	142,500	625	228	OH	NCCCWW #1
K3MD	103,488	539	192	PA		WB3KXX/8	140,399	647	217	OH	NCCCWW #1
K3MQH	102,980	542	190	PA		K08M	123,018	609	202	OH	NCCCWW #1
K3UA	91,500	500	183	PA	NCCCWW #1	KV8Q	114,600	573	200	OH	
KN5H/3	55,692	364	153	MD		N8EA	98,886	502	193	MI	
K5ZD/3	31,920	240	133	PA	NCCCWW #1	KW8N	95,745	491	195	OH	
WD3P	15,770	166	95	MD		WA8TMK	79,473	449	177	OH	
NS3L	11,097	137	81	PA		KJ8A	59,749	401	149	MI	
KA3MMM	10,004	344	153	PA		K8MR	54,715	353	155	OH	
W3EE	5800	100	58	MD		KF8DF	40,320	320	126	MI	
KM9P/4	216,936	828	262	GA	Quatro	K8CV	26,680	232	115	MI	
K4XS	158,828	673	236	FL	Quatro	WV8B	22,624	202	112	OH	
WC4E	154,560	672	230	FL	Quatro	N8CQA	14,507	163	89	MI	
K4BAI	136,032	624	218	GA	Quatro	K8DD	7625	125	61	MI	
AA4GA	118,397	601	197	GA		AG9A	147,180	669	220	IL	SoMC
K0LUZ/4	112,424	611	184	FL	Quatro	AC9C	142,170	677	210	IL	SoMC
N4AR	98,280	520	189	KY		NJ9C	117,312	611	192	IN	
WD4AHZ	95,808	499	192	FL		W9YOL (WO0G, op)					
AA4VD	95,004	522	182	GA			105,664	508	208	IL	SoMC
K4AMC	70,896	422	168	TN		W9RE	69,200	400	173	IN	
KJ4VH	63,180	390	162	KY		W9XT	44,850	325	138	WI	SoMC
KB4GID	57,226	403	142	GA		KA6A/9	44,525	325	137	IL	
W4XD	46,644	338	138	VA		N0FFZ/9	9803	142	325	IL	
K4BAM	44,240	316	140	VA		KA9FOX	9207	330	132	WI	
N4UZ	10,868	143	76	GA		N0BSH/9	480	30	16	WI	
W4TYU	7632	106	72	TN		WD0T	147,490	686	215	SD	
W4RVU	2780	150	87	FL		KV0I	133,666	689	194	NE	SCCC #2
NX9T/4	1855	53	35	NC		K3GWA/0	24,745	245	101	CO	
W9WI/4	1161	43	27	TN		WV0H	11,502	162	71	SD	
N5RZ	202,184	796	254	TX		WV0Q	8023	113	71	KS	
AI9X	137,610	695	198	NM		NO0Y	1701	63	27	KS	
N5CG	133,570	703	190	OK		KD0NH	897	39	23	MN	
W5XX	124,110	630	197	MS		WA0OUI	714	34	21	MO	
KB5UL	122,265	585	209	NM		VE4VV	115,442	586	197	MB	
KI3L/5	70,290	426	165	TX		VE6RI	12,093	139	87	AB	
W5FO	69,136	464	149	TX		VE2ABO	1260	42	30	PQ	
K5HYB	40,560	312	130	AR		HI8DMX	20,984	244	86	HI8	
KG5U	38,760	322	120	TX		VP2EXX	5880	105	56	VP2E	
NU5M	22,713	201	113	NM		G3SXW	1400	50	28	G	
N5NA	20,400	200	102	TX							
W5NR	15,733	177	89	TX							
AA5LF	13,330	155	86	TX							
NZ5I	8694	126	69	TX							
KO9Y/5	7705	115	67	TX							
W5ASP	6882	111	62	TX							
KB5KTY	6720	105	64	TX							
WA8ZNC/5	49	7	7	TX							
						<i>Multioperator</i>					
						AA0AW	122,100	660	185	MN	
						(+ others)					
						N4AA	104,690	551	190	NC	
						(+ AB4ZL)					
						N5NMX	12,193	137	89	TX	
						(+ KG5YA)					

with the rules as written and the 12-hour operating period. We did our best to get the word out and clarify the rules. Thanks to PacketCluster, this was a lot easier to do than it would have been in the past. It looks

like we were successful. No big logs arrived with off times marked in them. Make a note, though: *The August contest will go back to 10 out of 12 hours for single operators and 30-minute minimum off times.* Announce-

ments in *CQ* and *QST* will make this clear. The NAQP has a fairly extensive awards program, with five plaques awarded and 10 T-shirts for each running of the contest. Our awards manager, Bill, KM9P, is looking for

### TOP COMBINED SCORES

KM9P	980
N5RZ	940
K4XS	706
WB3KKX	687
N5CG	664

sponsors to help offset the cost of these awards. David Smith, ND4Y, is a strong supporter of the NAQP and has agreed to be our first plaque sponsor. Thanks, Dave. Any individuals or clubs who want to sponsor an award can get in touch with KM9P for more info.

The August NAQPs are just around the corner. They will provide a good opportunity to get your station geared up for the upcoming fall season. If you missed the January contest, give this one a try. The new NAQPs combine the multiplier passing of a DX contest with the loud domestic signals of Sweepstakes, and the 100-watt power limit gives everyone a shot. See you in August!

### CW Soapbox

Apologies to everyone. My memory keyer was unavailable and by the end, my fist was shot! It was my first time in this contest and was pleasantly surprised by the level of participation.—*NX1T* Sorry to miss NAQP phone but I can't miss VHF SS.—*NY1E* This is a great contest, and I think it was a great success. Too bad we had 10 inches of snow, because I spent most of the time shoveling, sledding, and then sleeping because I was so tired!—*WA1GUV* Ice storm took antennas down the day before the contest. Beams wouldn't rotate until 0500Z. SWRs averaged 3:1-4:1 except for the 160-meter vertical. Great fun/activity.—*W2GD* The K8CC program made this contest a real blast.—*KB2NU* Low power only is great, made band changes and mult passes a snap. Great activity too. Moving to January was a good idea.—*K5ZD/3* Had a lot of fun in my first effort in this event.—*K3MD* Best NAQP CW for me; no confusion of dates, and more participants.—*K4BAM* Excellent result from date/rules change. Will grow in popularity.—*N4AR* The GAP vertical antenna seemed to work fine.—*N4UZ* Too many other things going on this weekend, but at least I got on for a couple QSOs.—*NX9T/4* Started half an hour late. Condx on low bands were excellent. A lot less QRM without the kilowatts; had a ball!—*WD4AHZ* Fantastic contest!—*KM9P/4* Seems like a lot of new faces. If I had known it would be so much fun I would have put in more time.—*K4AMC* Like the 100-W limit on CW, not so sure on phone.—*A19X/5* Computer-assisted contesting is great, especially for us old guys. It brought me back into contesting.—*KB5UL* Verticals are no fun but the contest was great.—*KO9Y/5* This is my first NAQP. Had a great time. Since it fell on my birthday, my XYL had other ways to celebrate, so I only operated about five hours.—*K5HYB* Thanks for a fun contest.—*KB5KY* "New and Improved" NAQP sure seemed more active than any of the predecessors I've been in.—*W6M/VW* There was a lot more activity than I anticipated.—*W6UQF* Night and day compared to last year. Big activity, big fun. CU next year.—*N7LOX* Quit the contest at 0220Z to tune to 14.153 and monitor the demise of the Lithuanian Peoples movement.—*K7SS* Activity was fantastic.—*K7WA* Wow! Excellent conditions and participation.—*N0AX/7* I love the low-power rule—makes the contest more fun. The new dates are just right, too! Can't wait until August!—*WB3KKX/8* Because I use a 12-V battery for power, I made very few Qs and took some time off for recharging.—*N0FFZ/9* I like the format. Reduce 150-W rule to 100 W, no ambiguity.—*W9YOL* (*WO0G, opr*) Used 40 W to a 12-foot piece of wire in my apartment.—*N0BSH/9* A fun contest.

### SSB TOP TEN

#### Single Operator

Call	Score	QSOs	Mul	10	15	20	40	80	160	Team
KM9P/4	246,018	939	262	119/30	122/43	214/54	281/60	121/44	82/31	
N5RZ	242,928	964	252	280/40	130/41	259/54	124/43	108/43	64/31	
NR5M	229,738	986	233	256/31	185/44	260/51	136/48	121/46	28/13	TDXS #1
W9NQ/6	214,490	890	241	203/50	263/50	218/53	106/42	83/38	17/8	SCCC #1
K7SS	186,064	802	232	288/51	165/53	182/57	75/35	80/30	12/6	
WB3KKX	185,334	782	237	115/32	121/37	139/41	144/48	173/47	90/32	NCC #2
N5CG	182,063	839	217	78/21	196/40	157/46	200/55	208/55	0/0	
N3BJ	179,568	774	232	47/24	91/33	230/53	225/55	139/43	42/24	NCC #1
K4XS	174,720	780	224	148/42	210/51	197/52	178/50	46/28	1/1	
KA9FOX	164,112	789	208	202/20	111/33	107/31	166/46	149/48	54/30	

#### Multioperator

NK7U	265,315	1129	235	528/48	157/44	189/50	138/46	82/30	35/17	
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### SSB TEAM SCORES

Texas DX Society #1	Southern California Contest Club #1	North Coast Contesters #1	North Coast Contesters #2				
NR5M	229,738	W9NQ/6	214,490	N3BJ	179,568	WB3KKX	185,334
KG5U	113,460	KV0I	107,820	WT8C	44,100		
KI3L/5	105,930	K6XO/7	74,375	K5ZD/3	27,500		
W5ASP	101,875	KI6VC	45,016	K8NZ	27,376		
K5RC	28,438						
Totals	579,441		441,701		278,544		185,334

Texas DX Society #2 (KE4GY/5, AK5B, NZ5I, WB5BIR)	179,872
Kentucky Contesters (KJ4VH, ND4Y)	160,574
Baghdad Bash (N0BSH/9, AF9B)	1,680

Really appreciate not using RST as part of the exchange.—*WA00UI* Used straight key for all QSOs.—*NO0Y* Great contest, looking forward to August.—*W9NQ/6* I asked "NAME?" many times because I'm not familiar with American names. Also many asked me "NAME?" since my name is not popular in US.—*H1BDMX* (*JP1DMX, opr*) My first in NAQP contest. I find it nice to give and receive names.—*VE2ABO*

### SSB Soapbox

What happened the second weekend? 40-160 were dead up here! Had fun still, nice contest.—*NX1T* This is one of the most enjoyable contests. Low power and five-man teams are great.—*WB3KKX* I'm a graduate of the KR0Y school of begging and pleading for QSOs.—*KM9P/4* Nice to work CW boys on SSB. I think this contest will catch on in due time.—*K4AMC* Verticals are the pits! Thanks to everyone for digging me out.—*KO9Y/5* Fun contest! My first NAQP SSB. Really great to keep working the same people band to

band. The K8CC program really helps to keep track of what's going on.—*KC6EYZ* Lots of big guns didn't show, leaving room for new pistols. I like the January timing for these contests.—*K7SS* Great contest! Unfortunately I got started almost 1 1/2 hours late. I got stuck in San Francisco Friday night when my flight was canceled and could not get back to Boise until almost noon Saturday.—*KE7UH* 43 contacts with 1 watt PEP to a vertical and a name like Seth attest to the great patience and goodwill shown by the other contestants I contacted.—*N8LMB* The Baghdad Bash hit high gear when the Air Force 9 bomber began to bomb Saddam Hussein.—*N0BSH/9* This contest was great with no linears. Equal opportunity for all! Thanks to WD0T for letting me borrow his computer.—*WV0H* Great contest for QRP operators! VE6 is still fairly rare in this contest.—*VE6SH* Had a great time. Where were KH6, KL7, and the VEs?—*VE1MQ*

Checklogs: N1HGV, W1FJ, KA2IRQ, N3CZB, KC4TNI, KG5OV

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**SSB SCORES**

*Single Operator*

Call	Score	QSOs	Mult	Area	Team
KN1M	76,560	464	165	ME	
WB1HBB	64,740	415	156	NH	
NX1T	34,986	294	119	ME	
KC1XR	11,544	148	78	CT	
N1AFC	9306	141	66	ME	
N1CCO	2360	59	40	CT	
KA1PRD	96	12	8	ME	
N2RM	33,925	295	115	NJ	
W5KI/2	3774	74	51	NJ	
KZ2S	1914	58	33	NJ	
N2EIK	496	31	16	NY	
WB2DVU	16	4	4	NY	
WB3KKX/8	185,334	782	237	PA	NCC #2
N3BJ	179,568	774	232	PA	NCC #1
K5ZD/3	27,500	220	125	PA	NCC #1
K3IXD	25,651	227	113	MD	
KD3UC	5278	91	58	DE	
K3UA	3930	66	44	PA	
KA3MMM	1447	109	59	PA	
N8NA/3	1107	41	27	DE	
KM9P/4	246,018	939	262	GA	
K4XS	174,720	780	224	FL	
N4AA	103,350	530	195	NC	
KJ4VH	82,510	446	185	KY	KY
ND4Y	78,064	476	164	KY	KY
WC4E	50,625	375	135	FL	
K4BAI	27,328	244	112	GA	
K4AMC	7344	108	68	TN	
W9WI/4	2109	57	37	TN	
KB4GID	875	35	25	GA	
AA4GA	600	30	20	GA	
N5RZ	242,928	964	252	TX	
NR5M	229,738	986	233	TX	TDXS #1
N5CG	182,063	839	217	OK	
KG5U	113,460	610	186	TX	TDXS #1
KI3L/5	105,930	535	198	TX	TDXS #1
W5ASP	101,875	625	163	TX	TDXS #1
KE4GY/5	96,192	576	167	TX	TDXS #2
NA4M/5	62,604	423	148	TX	
AK5B	40,820	314	130	TX	TDXS #2
NZ5I	33,660	306	110	TX	TDXS #2
KB5KTY	30,816	321	96	TX	
K5RC	28,438	241	118	TX	TDXS #1
AI9X/5	21,271	239	89	NM	
AA5LF	15,485	163	95	TX	
KO9Y/5	14,256	162	88	TX	
WB5BIR	9200	200	46	TX	TDXS #2
K8EZJ/5	5642	217	26	TX	
W5NR	5429	89	61	TX	
WA8ZNC/5	2242	59	38	TX	
W9NQ/6	214,490	890	241	CA	SCCC #1
W6UQF	111,350	655	170	CA	
KI6VC	45,016	331	136	CA	SCCC #1
(WB6RXE, opr)					
KC6EYZ	31,320	270	116	CA	
KT6V	26,487	243	109	CA	
NR6E	18,522	189	98	CA	
W6MVW	713	31	23	CA	
WN4KKN/6	234	18	13	CA	
N6NF	36	6	6	CA	
K7SS	186,064	802	232	WA	
K6XO/7	74,375	545	125	UT	SCCC #1
WC7S	57,081	359	159	WY	
KE7UH	44,352	336	132	ID	
N7LDR	8280	230	36	MT	
KI7Y	6420	107	60	OR	
KZ4H/7	2728	62	44	NV	
N7LOX	2332	53	44	WA	
W8UNB	52,332	356	147	OH	
KA8ZNZ	45,474	318	143	OH	
WT8C	44,100	315	140	OH	NCC #1
K8NZ	27,376	232	118	OH	NCC #1
K8MR	23,296	224	104	OH	
W8UA	11,152	136	82	MI	
K8CV	1160	40	29	MI	
N8LMB	1032	43	24	OH	

Call	Score	QSOs	Mult	Area	Team
KA9FOX	164,112	789	208	WI	
WX9E	85,050	525	162	IL	
W9RE	70,000	400	175	IN	
W9XT	46,287	333	139	WI	
N9GTL	20,736	192	108	IN	
N9RO	3807	81	47	IL	
W9YOL	1944	54	36	IL	
(WOØG op)					
NØBSH/9	1632	48	34	WI	Baghdad
AF9B	48	8	6	WI	Baghdad
WDØT	127,400	650	196	SD	
WVØH	116,104	631	184	SD	
KBØLC	113,274	651	174	MN	
KVØI	107,820	599	180	NE	SCCC #1
WØOSK	78,077	479	163	CO	
WVØQ	10,160	127	80	KS	
NOØY	1219	53	23	KS	
VE4VV	111,228	598	186	MB	
VE5SF	61,800	412	150	SK	
VE4AMC	51,832	418	124	MB	
VE5ACP	34,884	306	114	SK	
VE1MQ	27,120	226	120	NB	
VE6RI	10,608	136	78	AB	
VE6SH	4730	86	55	AB	
VP2EXX	18,620	196	95	VP2	
<i>Multioperator</i>					
NK7U	265,315	1129	235	OR	
(+ NI7T)					
N4AA	103,350	530	195	NC	
(+ AB4ZL)					
WE9E	13,741	151	91	IL	
(+ KA6A)					
N5PSA	3108	74	42	AR	
(+ N5QUG)					

**25G ROTATING TOWER?**

Rotating Tower Systems, Inc. now offers guy wire bearings and rotating base assemblies for 25G tower. A 25G rotating tower allows common rotation of smaller monobander stacks, stacked tribanders, antennas mounted at optimum heights, and large UHF/VHF arrays.

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