

# Results, 1995 ARRL September VHF QSO Party

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**W**e're getting better, but we're still not quite there yet! This year's September contest had everything you could ask for, except for a day of incredible, country-wide propagation. Perhaps we were all spoiled by all the great times we had last year? It could be, but we testers always look toward the future. This was a pretty good contest for most folks, despite the conditions.

Hopes were certainly high; with a large hurricane off the East Coast, everyone from Virginia to Maine was hoping for a little tropo to add flavor to a bland weekend, but it never really materialized. What tropo we did have turned up far from either ocean. Saturday night saw some tropo from Kansas to West Virginia, enabling the KBØPGJ crew to work N8FMD on 144, 222, and 432, right around 0100Z. Pete, VE3VD, found some good tropo about the same time out to Missouri. Later Sunday morning, Jon, NØØY, found some good 2-meter tropo from EM17 out to EM26 in Oklahoma and EM57 in Nebraska.

What made the contest so frustrating for so many people was the way it ended. Just like the past two runnings of the Party, the contest ended with a band opening—we had some good aurora show up to make things interesting. For some, though, it showed up with just 30 minutes left in the contest! That's a long time to wait for a little excitement.

Nevertheless, it was exciting. There were a lot of people, smart enough to hang around to the bitter end, who found themselves rewarded with some new grids to add to the multiplier total. If you were in the Pacific Northwest, you probably could have picked up at least another four or five grids to the east had you been on. Out along the northern plains, it was even better! The WØUC/9 group picked up 12 grids at the end of the contest—how many were you able to get?

You don't always need tropo to get a good score, though. Look at Zack, KH6CP/1, who was able to work 18 grids on 1296 without any tropo. This is pretty good for a QRP-portable operation, wouldn't you say? A fair number of you took the time Sunday morning for another tried-and-true propagation mode—meteor scatter. Smart operators like Jeff, WA2TEO, know how effective this method can be. From Connecticut he worked stations out to Missouri and Mississippi Sunday morning on 6 meters. If you're not familiar with this technique, there are a lot of resources (such as the ARRL publication, *Your VHF Companion*), with plenty of tips on how to make this work.

Even though this wasn't a year for record-breaking propagation, we still had some records fall, and some spectacular efforts. Zack, KH6CP/1, used his sizable collection of microwave gear to set a new overall record in the QRP-Portable class, amassing 101k points. Dick's crew at

K3MQH didn't do as well as they did last year, but they still dominated the rest of the Limited Multiops. They're sure tough to beat! Of course, when you're speaking of tough to beat in a VHF contest, you're usually talking about W2SZ/1, who destroyed the multioperator competition yet again. Another outstanding effort worth mentioning is the one turned in by Jim, WB2ODH, and his crew, who finished second in Limited Multioperator from the West Coast.

Of course, we'd really be remiss if we didn't mention the great job Pete, K9PW,



Jack, AB4CR, figured out a great way to pick up some more contacts—he sent out the rest of the family roving! Christopher, N4IRI, poses by Cheryl, N4STK's, rovermobile. Cheryl wants to know if she can claim bonus points for taking harmonics less than 10 years old "out for a ride."



The St. Johnsbury Academy Ham Radio Club took off for a cornfield in Barnet, Vermont, for a little portable operating as N1TTV. (l-r) Taylor, N1UAV; David, N1UEU; Ethan, N1UAW; Adam; Bruce, N1TTV; Eileen, N1UAZ; Merle, N1VPF; Bernier, N1SHO; Jack, N1TFM; Michael, N1UAX; and Ken, N1OSJ.



Chris, N1NIQ, operates the 2-meter SSB station from the W1QK contest van.

## QSO Leaders By Band

## Single Operator/QRP Portable

50 MHz	144 MHz	222 MHz	432 MHz	902 MHz	1296 MHz
WA2TEO 169	WA2TEO 332	NM1K -Q 85	K9PW 147	K1RZ 32	WA4VHF 48
KC4UCE 168	K9PW 305	WA2TEO 81	K1RZ 114	WD8ISK 28	K9PW 44
K1RZ 152	K1RZ 274	K9PW 75	WA2TEO 109	WA2TEO 28	AA2UK 43
NY2Z 134	WB2QOQ 254	KH6CP/1 -Q 75	K1FO 105	K9PW 27	K1RZ 43
WD8ISK 127	WZ1V 237	N2DSY -Q 73	N2DSY -Q 102	AA2UK 27	KH6CP/1 -Q 39
N1MIA 120	AA2UK 236	WD8ISK 68	WD8ISK 99	K2UOP/8 23	WD8ISK 37
WZ1V 105	K2GAL 233	K1RZ 67	WB2DNE 98	KH6CP/1 -Q 21	WZ1V 35
K1TR 103	KD1DU 231	AA2UK 67	AA2UK 97	WB2VVV 20	WB0GGM 33
K9PW 102	KE8FD 228	K1TR 62	KE8FD 97	WZ1V 20	WA2TEO 29
K5MA 101	VE3VD 226	KE8FD 60	WZ1V 94	KD1DU 17	K2UOP/8 27
		WZ1V 60	KH6CP/1 -Q 94		WB2VVV 26
					WB2DNE 26

-Q denotes QRP Portable

## Multioperator

50 MHz	144 MHz	222 MHz	432 MHz	902 MHz	1296 MHz
K3YTL 343	K3MQH -L 702	W2SZ 170	W2SZ 270	W2SZ 66	W2SZ 93
W2SZ 331	W2SZ 632	WB2ODH/6 -L138	K3MQH -L 259	K3YTL 33	K3YTL 51
K3MQH -L 276	N8FMD 511	K3MQH -L 127	N8FMD 251	W4IY 24	N8FMD 40
AA4S 269	K3YTL 506	WB1GQR -L 121	WB1GQR -L 187	N8FMD 24	AA4S 29
N2WM 222	WB1GQR -L 469	AA4S 100	K3YTL 154	AA4S 22	KE6TCY 29
W4IY 210	N2WM 450	K3YTL 97	WB2ODH/6 -L153	N2WM 19	K1WHS 28
N8FMD 207	AA4S 450	N8FMD 97	AA4S 152	K1WHS 19	W4YDI 28
WB1GQR -L 192	W4IY 341	AA2SP -L 78	AA2SP -L 132	W1XX 15	W0UC/9 28
N2AAM -L 180	WB2ODH/6 -L317	N2WM 76	N2WM 117	W0UC/9 14	N2WM 25
W1XX 179	AA2SP -L 294	N2HLT -L 72	N2HLT -L 115	KB5IUA 5	W1XX 20
					W1XX 20

-L denotes Limited Multioperator

## Multiplier Leaders By Band

## Single Operator/QRP Portable

50 MHz	144 MHz	222 MHz	432 MHz	902 MHz	1296 MHz
KC4UCE 91	KE8FD 76	KE8FD 41	K9PW 54	WD8ISK 21	K9PW 23
WD8ISK 56	WB0GGM 75	K9PW 39	WD8ISK 47	WA2TEO 19	WD8ISK 21
WA2TEO 50	K9PW 72	WD8ISK 38	N3AJX 42	K9PW 18	K1RZ 19
WR0G 44	KB9IEC 69	VE3VD 31	KE8FD 41	K1RZ 18	AA2UK 19
K9PW 44	VE3VD 61	WA2TEO 30	WR0G 38	K2UOP/8 17	WA4VHF 18
K1RZ 44	K0US 61	K1RZ 29	WB2DNE 37	AA2UK 17	N0LL 18
KB9IEC 43	WD8ISK 61	WR0G 28	WZ8T 34	KH6CP/1 -Q 14	KH6CP/1 -Q 18
W2YV 43	W7XU 60	N0LL 27	WA2TEO 34	WR3I -Q 12	K2UOP/8 17
AB4CR 40	WR0G 58	KU8Y 26	KA0RYT 34	N9MKC 12	WR0G 16
WB0GGM 37	WA0X 58	WZ8T 25	N0LL 34	WB2DNE 12	WB2DNE 15
VE3VD 37		AA2UK 25	K2UOP/8 34	WZ1V 15	WZ1V 15
			K1RZ 34		

-Q denotes QRP Portable

## Multioperator

50 MHz	144 MHz	222 MHz	432 MHz	902 MHz	1296 MHz
W0UC/9 83	N8FMD 85	AA4S 43	N8FMD 55	W2SZ 24	W2SZ 25
AA4S 73	AA4S 76	K3MQH -L 43	K3MQH -L 52	K3YTL 20	K3YTL 21
W4IY 56	N9KJE -L 71	N8FMD 40	AA4S 50	N8FMD 17	N8FMD 20
N8FMD 54	W0UC/9 68	WB2ODH/6 -L 40	WB2ODH/6 -L 45	AA4S 17	W0UC/9 17
K3MQH -L 54	K3MQH -L 67	W0UC/9 35	W0UC/9 42	W4IY 16	AA4S 17
K3YTL 53	W4IY 60	K3YTL 32	AA2SP -L 37	W0UC/9 12	W4IY 12
WB2ODH/6 -L 49	K3YTL 60	N2HLT -L 31	W4IY 37	N2WM 11	W1XX 12
W2SZ 44	N8TLZ -L 59	W2SZ 31	W2SZ 36	W1XX 10	K1WHS 12
AA2SP -L 44	W4MYA -L 52	AA2SP -L 30	N2HLT -L 35	K1WHS 9	N2WM 11
N2HLT -L 42	W2SZ 51	W4IY 29	K3YTL 34	KB5IUA 5	W1Z 9

-L denotes Limited Multioperator

did. If you're one of the naysayers who think only East Coast ops can win a VHF contest, we point out that Pete has now won this contest two out of the past three years. Try to top that! Sure, he's got a pretty good microwave setup. Even the best of stations, though, won't guarantee you a win if you're not a good operator.

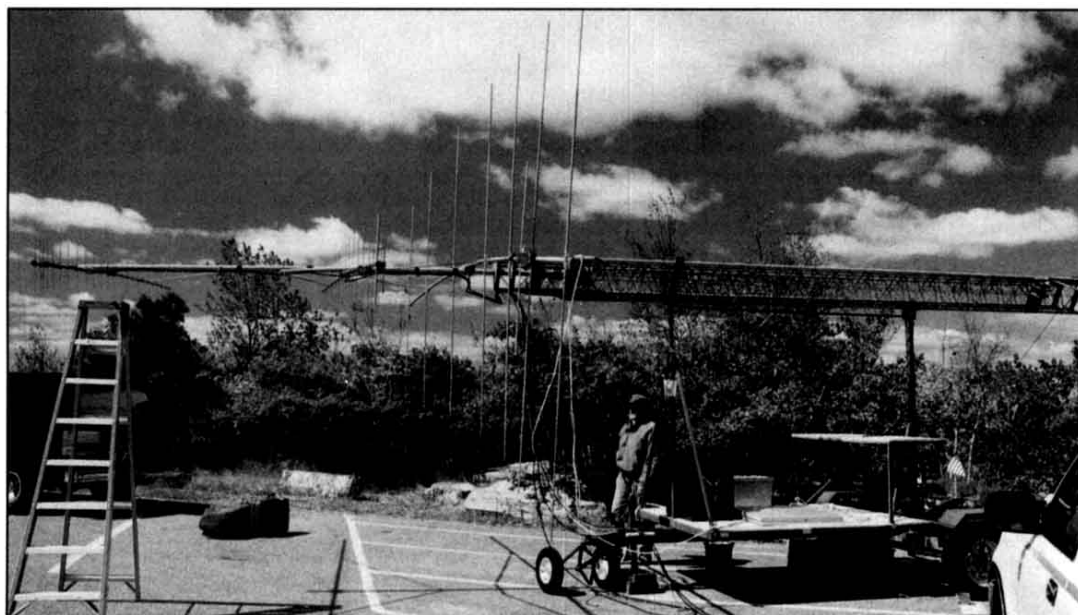
One attraction of this contest that never depends on the propagation is the famed Participation Pins. Did you order yours? They're sure popular! Almost two out of every three entries we received ordered a pin this year. If you've not hopped on this bandwagon yet, you ought to soon! They're already big collector's items, and you'll see a lot of them adorning hats, lapels, and coats at your local hamfests, club meetings, and get-togethers.

On a final note, we'd like to mention the new *ARRL Contest Yearbook*. Now you can find all the division records for every ARRL contest, along with all the official rules and forms. If you're looking for an easy-to-break record somewhere in your division, this book just has to have it! Get yours now!

So what lurks in the future for next year? Who can tell? We sure don't know, and neither will you if you're not on the air. Next September's contest will be from the 14th to the 16th—make sure you're on!

## SOAPBOX

We kept waiting for the bands to open. It was a long, long wait (W4IY). The conditions were down a bit, but we all had a lot of fun (N8PJP). Changing bands while operating can be interesting, and logging while driving is even more interesting (WR0I). Activity was down, conditions weren't super—but, as usual, I loved it (WR3I). The conditions were good, and had I not been limited by my equipment, I'm sure I could have made many more QSOs (N0XOH). We thought we would have to shut down when we heard loud booms echoing across the valley below us, and light reflecting off the bottom of the clouds. It turned out to be a fireworks display (N2AAM). Although the bands were a bit flat, we still had a great time experimenting with some



Harry, NJ2Y, sets up the 6-meter trailer/tower at the N2AAM contest site.

Northeast Region (New England, Hudson and Atlantic Divisions; Maritime and Quebec Sections)			Southeast Region (Delta, Roanoke and Southeastern Divisions)			Central Region (Central and Great Lakes Divisions; Ontario Section)			Midwest Region (Dakota, Midwest, Rocky Mountain and West Gulf Divisions; Manitoba and Saskatchewan Sections)			West Coast Region (Pacific, Northwestern and Southwestern Divisions; Alberta, British Columbia and NWT/Yukon Sections)		
WA2TEO	210,396	S	WD8ISK	233,748	S	K9PW	295,680	S	WB0GGM	123,690	S	KJ6KO	17,580	S
K1RZ	195,509	S	K2UOP/8	100,632	S	KE8FD	156,023	S	WR0G	85,192	S	KE7SW	15,240	S
AA2UK	144,744	S	KP4XS	49,000	S	N9MKC	78,672	S	N0LL	73,480	S	AJ6T	14,396	S
WZ1V	112,470	S	KA2DRH	47,250	S	K8MD	64,678	S	WA0BWE	52,658	S	W6GGV	12,408	S
WB2DNE	110,646	S	KC4QWZ	38,227	S	KU8Y	61,633	S	AB4CR	48,034	S	KC6WLC	11,077	S
KH6CP/1	101,140	Q	WA4IOB	6,448	Q	KB8QBM	7,950	Q	NO0Y	60	Q	N7NKO	3,930	Q
NM1K	62,900	Q	KE4BM	1,127	Q	N8LGP	3,312	Q	WB0LJC (EN34)	16	Q	KE6GFI	1,070	Q
N2DSY	53,669	Q	KQ4XJ	280	Q	N8AXA/126	3,255	Q				KK6KE	580	Q
WR3I	39,950	Q	KF4BOG	209	Q	N8KWX	1,188	Q						
VE2PIJ	3,048	Q				W9SZ	1,081	Q						
W2SZ	708,900	M	N8FMD	449,888	M	W0UC/9	206,440	M	KB5IUA	34,920	M	KE6TCY	39,201	M
K3YTL	387,672	M	AA4S	431,296	M				KB0PGJ	4,680	M	WA6YDI	33,879	M
N2WM	184,492	M	W4IY	218,385	M							WI7Z	15,730	M
K1WHS	140,091	M	NG4C	12,144	M							N6OBP	15,423	M
W1XX	65,920	M										W6TRW	6,450	M
K3MQH	378,000	L	N8TLZ	73,941	L	N9KJE	49,580	L	KF0M	7,020	L	WB2ODH/6	189,360	L
WB1GQR	144,301	L	W4MYA	43,416	L	AA8BC	20,825	L	KK5IH	5,408	L	WA6KLK	33,900	L
AA2SP	140,292	L	N8PEK	22,528	L	N2BJ	9,752	L	N5XYO	1,690	L	WN6W	18,468	L
N2HLT	113,724	L	N4GKE	8,568	L	WD8KHE	9,515	L	KB0TMQ	960	L	KD6DHB	12,771	L
N2AAM	68,801	L	KE4ZTC	7,384	L	VE3SAU	9,454	L	WD0GNK	629	L	N6XIV	9,947	L
N3KKM	7,665	R	WA8NJR	21,747	R	N0SWV	1,682	R	AJ0E	17,458	R	AA7VT	39,588	R
KB2NAV	5,745	R	N3TUM	1,818	R	KF9US	1,663	R	N5NIQ	3,272	R	K6LMN	7,708	R
N1QVE	4,396	R	AD4DY	1,124	R				N0BEL	2,343	R	KD6DYK	3,071	R
AA2AM	3,952	R	KB4NVD	909	R				WR0I	1,316	R	W6BB	2,933	R
K2RIW	3,901	R	N8FUJ	861	R				N4STK	562	R	KM6RH	2,354	R

## Top Ten

Single Operator	QRP Portable	Multioperator	Limited Multioperator	Rover
K9PW 295,680	KH6CP/1 101,140	W2SZ 708,900	K3MQH 378,000	AA7VT 39,588
WD8ISK 233,748	NM1K 62,900	N8FMD 449,888	WB2ODH/6 189,360	WA8NJR 21,747
WA2TEO 210,396	N2DSY 53,669	AA4S 431,296	WB1GQR 144,301	AJ0E 17,458
K1RZ 195,509	WR3I 39,950	K3YTL 387,672	AA2SP 140,292	K6LMN 7,708
KE8FD 156,023	KB8QBM 7,950	W4IY 218,385	N2HLT 113,724	N3KKM 7,665
AA2UK 144,744	WA4IOB 6,448	W0UC/9 206,440	N8TLZ 73,941	KB2NAV 5,745
WB0GGM 123,690	N7NKO 3,930	N2WM 184,492	N2AAM 68,801	N1QVE 4,396
WZ1V 112,470	N8LGP 3,312	K1WHS 140,091	K2AA 68,300	AA2AM 3,952
WB2DNE 110,646	N8AXA/126 3,255	W1XX 65,920	W1QK 67,355	K2RIW 3,901
K2UOP/8 100,632	VE2PIJ 3,048	KE6TCY 39,201	N9KJE 49,580	K1DS 3,832



The gang at VE2JWH headed for the north woods to do a little operating from Shefford Mountain, elevation 1450 feet (l-r): Jimmy, VE2JWH; Jean, VE2BLP; and Pierre, VE2VDD.

higher bands and planning changes for January (K3MQH). This contest would have been a bust without the rovers (K9MK). We had good rover activity, and great scatter Sunday morning. Where were the 6-meter stations during the aurora? (W0UC/9). There weren't any openings on the bands, but there was a lot of local activity (WD5EWD). I went to Mt Loma Prieta (elevation, 3600 feet) to snag at least one of the few tropo grids I still needed for VUCC (AJ6T). My hat's off to all the rovers; their efforts were much appreciated (K9LCR). We had a fun aurora for the last hour of the contest, which generated some big pileups (K7CW). Thanks to WR0I for giving me five new grids on 1296 (WM4Z). We

were all hoping the hurricane offshore would bring great conditions, but nobody expected a fiasco (WB2CUT). Conditions were poorer than usual, but the weather was perfect! I just enjoyed being on the hilltop (W9SZ). I certainly had plenty of time to play with my software (W2YV). Propagation was not as good as June's was. It started slow, but did pick up (KC6HGV). Where was everybody? Conditions were terrible, there wasn't even any groundwave (NE0P). Where were the Oregon/Washington groups? (WA6KLK). I enjoy all the activity this contest generates. As I wait for January, I now know how the Maytag repairman feels (VE3URS). It was nothing like last year, when 6 meters was

open during the entire contest (W3XO). Activity was pretty grim on 222 and above (WD4MBK). Activity was great on 222 and 903 (WB2VVV). The band went dead Sunday from noon until 6. It opened up to the WNW a few hours before the contest ended (WIFEZ). I was surprised to work 18 grids on 1296 without a tropo opening (KH6CP/1). I do hope that more people try FM in addition to weak-signal operating. New Technician operators have a tremendous opportunity to learn about contesting and VHF propagation, if they choose to participate (N8WXQ). It was great to give out a rare grid square to everyone (KB4FAI). I sure had fun working some new grids and meeting new guys on the air (N7YAG). I was stopped by a Minnesota game warden who was investigating a report of some people tracking animals with radios (AJ0E). It's hard to do well with a small antenna (N6IFW). There didn't seem to be as many people participating this year (W3HOA). I hope January's cold sends more of us to the shack for the next contest (KB2KIR). The last hour and a half, a few of the southern EM grid square stations started to be heard (KD4HJM). I had fun digging out the weak ones (N3JNX). The 6-meter aurora started at 0230Z—wouldn't you know it? (WA7IQH). It was slower at the start than June was, but the activity built up steadily (XE2/NH6ZF). There's weren't many stations on, but that was just as well, as my line noise was S9+ (KC7ITP). What happened to 6 meters? (N2QHS). There was an excellent tropo opening on 6 meters that allowed me to work into Vermont, Massachusetts and New Hampshire. Unfortunately, the good conditions disappeared the next day (WB2AMU). Six meters was terrible—there wasn't any DX at all. I did better than I did in June, though, so I can't complain (KD4UPF). Conditions were not great, but they were good enough to pick up several new grids on all bands but 1296. Contests are always good for getting even the rare ones on! (WA2VOI). Persistence was the key to this year's contest! (N0IVN). While the weather front that moved through late Saturday didn't provide for the best propagation, I had a great time (NK8Q). If it wasn't for the FMers, it would have been a very slow contest (N2RDX). I really appreciate the rovers injecting interest and activity into the contest (W5IXR). Conditions were normal to below normal. 1296 was a tough row to hoe. We did have a little bit of aurora Sunday night (WD9IAB). We had good scatter conditions on Sunday morning (K7VNU). I heard very little activity from W8 or W9 (VE3BFM). This was my first time on 902 and 1296, I had forgotten how first QSOs could be such a thrill. Six meters sounded like 160 in July! (AD4DG). It sure was quiet around here, I should have pointed my antennas north! (VE3EKP). Where was everybody? With the exception of the first couple of hours, it seemed like no one was on! (N2MPU).

Scores

Each line score lists call sign, score, stations worked, multipliers, number of grids activated (if Rover), and bands (A= 50 MHz, B=144 MHz, C=222 MHz, D=432 MHz, E=902 MHz, F=1296 MHz, G=2304 MHz, H=3456 MHz, I=5.7 GHz, J=10 GHz, K=24 GHz, L=75 GHz, M=119 GHz, N=142 GHz, O=241 GHz, P=300+ GHz.). Call signs of division leaders and band indicators are listed in boldface type. New division records are indicated with an asterisk.

1

Connecticut

WA2TEO	210,396	752	197	S	ABCD9EF
W21V	112,470	551	138	S	ABCD9E
KD1DU	78,512	493	112	S	ABCD9E
W3EP	15,486	213	58	S	ABDE
W1QUL	6,556	112	44	S	ABDE
K1FQ	5,932	105	28	D	
K1WVX	2,754	89	27	S	ABCD
WA1GTP	1,450	54	25	S	ABC
N8WXQ	1,026	57	18	S	AB
N1TDW	792	54	12	S	ABCD
KD1TM	684	49	14	S	B
W1BHI	504	33	14	S	BD
KB1HY	370	37	10	S	A
AA2Z	180	17	10	S	ABD
NM1K	62,900	404	100	Q	ABCD9EFG
W1XX (+K1GX,W1QD)	65,920	462	103	M	ABCD9E
W1QK (+N1NIQ,KC2QF)	67,355	567	95	L	ABCD
W1ORS (K1TEY,N1s BBE,KGY,KPR,OKM, ORW,W1ZQT,WD1X,N2BQA,WA2TJR,ops)	6,086	150	34	L	ABCD

Eastern Massachusetts

K5MA	28,428	315	69	S	ABCD
KB1KM	18,306	248	54	S	ABCD9E
KX1C	13,821	192	51	S	ABCD9E
K1GVW	5,016	177	52	S	ABCD
KA1VY	2,231	79	23	S	ABD
WA1OFR	559	33	13	S	ABDE
KA1EKR (+KA1CLV)	16,362	229	54	L	ABCD
K1MYL (+KA1s 6ZE,RM,N1NMZ,N1OHV, WA1DPR)	5,504	142	32	L	ABD
N1FDX (+N1FYZ)	702	54	13	L	B

Maine

W3HQT	15,470	132	70	S	BCD9E
N1DGF	2,002	58	26	S	BCD
KD1QV	240	24	10	S	AB
K1WHS (AF1T,K1s LL,MNS,KV1s,W1AIM, WA1TFH,WB7Q,KX0O,ops)	140,091	629	17	M	ABCD9EFGIJ
W1NPP (K1GRJ,N1s KAT,HOW,M2,ops)	3,552	72	37	L	ABCD

New Hampshire

K1TR	78,430	472	110	S	ABCD9EF
W1EJ	14,526	178	54	S	ABCD9E
AC1J	11,544	177	52	S	ABCD
WA1T	7,644	147	42	S	ABD
N1JHJ	492	34	12	S	BD
KD1AW	448	28	8	S	D
N1RIK	12	6	2	S	B
WA1YKW	224	28	8	S	B
KB1BOW (KA1FYB,N1NUM,WB1FLD,ops)	25,978	331	62	L	ABCD
WA1RLO (+AA1OH,N1RPN)	882	49	18	L	AB

Rhode Island

KM1X	8,862	204	42	S	ABD
K1TPK	560	36	14	S	ABD
N9LYE	162	19	6	S	BD
K1KT	104	26	4	S	B
K1MUJ (K1OQG,KA1ZNZ,WA1HYN,ops)	36,883	340	77	M	ABCD9E

Vermont

K1LPS	2,072	51	28	S	ABCD9
KA1FJ	88	8	8	S	ABD
*KH6CP/1	101,140	423	130	Q	ABCD9EFGHI
WB1GGR (KA1NRR,N1s JEZ,MJD,RYS, WB2s CWA,J5,ops)	144,301	969	113	L	ABCD
N1RRW (+KA1s CXD,DLK,RMY,N1s JIF,LSZ, PFK,WA1s JEX,MAG,NBU)	21,299	293	59	L	ABCD
N1TTT (+N1s OSJ,TFM,UAV,UAW,UAX, UEU,VPF)	217	28	7	L	BD

Western Massachusetts

N1LZC	18,306	246	54	S	ABCD
N1FUS	7,524	174	36	S	ABD
WA1MBA	4,257	48	32	S	B9EFGHI
KD1W	3,375	115	27	S	ABD
N1MIA	1,920	120	16	S	A
N1RSY	1,284	107	12	S	B
N1QKR	765	85	9	S	B
N1RWC	231	33	7	S	B
K1UG	189	21	9	S	B
N1VMJ	108	36	3	S	B
W2SZ (K1DH,KA1PRT,KC1ZN,WA1ZMS, N2s BNY,GXH,HPA,NQ1XRE,YCA,YZO, WA2s AAU,SCL,SL,TIF,WB2KM, WS2B,WG3I,AK4L,WABUSA,ops)					
	708,900	1677	255	M	ABCD9EFGH
K1FWF (+NET)	2,001	87	23	L	AB

2

Eastern New York

WA2BAH	38,763	359	73	S	ABCD9EFI
W3HIN	30,096	311	72	S	ABCD9E
WB2WHD	25,970	260	70	S	ABCD9E
N2MSS	10,416	160	48	S	ABCD9E
N2RDN	6,232	116	41	S	ABCD9E
WA2KPD	5,936	164	28	S	ABCD
W2MY	5,260	141	30	S	ABCD
WB2MRX	3,612	117	28	S	ABD
N2NCQ	3,190	93	29	S	ABCD
KE2UJ	2,945	95	31	S	B
N2SQW	2,400	91	24	S	ABD
N2ZOE	2,030	203	10	S	B
N2FNH	1,924	97	16	S	ABCD
W2KHQ	1,562	53	22	S	BDE
WB2OEE	1,425	95	15	S	B
KA2MCU	1,408	47	16	S	ABCD9EFI
N2WDL	1,056	75	12	S	ABD
N2QFH	881	48	11	S	BCDEI
WA2AIB	890	65	10	S	BD
K2RI	730	49	10	S	BCD
KB2RKY	588	82	7	S	BD
KG2H	555	37	15	S	A

N2TMT	520	52	10	S	A
N2XFV	392	43	8	S	BD
AA2CW	371	42	7	S	BD
WB2ECL	368	33	8	S	ABCI
KF2CM	360	30	12	S	B
KB2CS	344	31	8	S	ABCD
AA2CW	272	26	8	S	BCD
WB2YOR	260	52	5	S	B
WA2IID	252	28	9	S	B
KB2UJK	216	36	6	S	B
N2WWU	203	25	7	S	BD
W2VDI	180	15	5	S	ABC
WA2SRP	76	14	4	S	BD
K2BST	60	12	5	S	B
WA2FME	42	14	3	S	ABC
N2JJE	39	13	3	S	AB
KB2TBC	14	7	2	S	B
WB2FWK	4	4	1	S	B
KA2EXB	3	3	1	S	B
N2TJQ	1	1	1	S	B
W3R3	39,950	295	94	Q	ABCD
N2VOT (+KB2UYY,KF2YC,N2s YFV,ZKD, WA2OEK)	30,080	474	47	L	ABCD
W2ZX (+N2YBU)152	38	4	L	B	B

NYC-Long Island

N2QHS	2,470	78	26	S	ABD
N2JJA	1,540	113	11	S	BD
KG2BB	785	41	17	S	ABD
NB2V	552	23	12	S	D
K2BPQ	408	34	12	S	A
KF2XF	363	33	11	S	B
WB2AMU	184	42	15	S	BD
KB2VKQ (KB2s NVI,ULH,N2YHK,ops)	720	58	10	L	BCD

Northern New Jersey

WB2VVV	61,182	392	103	S	ABCD9E
WB2WH	25,220	281	65	S	ABCD
WB2QQQ	7,574	254	31	S	B
N2UAH	5,809	135	37	S	ABD
WB2CUT	4,347	189	23	S	ABD
N2QXF	3,587	123	29	S	AB
NA2R	2,420	121	20	S	B
N2LJU	2,220	115	15	S	BD
KB2TJX	1,120	55	18	S	ABCD
N2OPJ	664	79	8	S	BC
N2TBO	405	81	5	S	B
KB2TGU	342	38	9	S	A
N2ZAO	341	29	11	S	ABD
N2ZBH	288	47	6	S	BD
WB2RQX	288	36	8	S	B
N2DSY	53,669	458	77	Q	ABCD9EP
N2WMM (+K2BJG,KB2LHM,KZ2S,N2s AAZ, BCC,BIM,HMM,TTT,WB2UFW)	184,492	911	154	M	ABCD9EF
N2AAM (+KA2AYR,KB2JE,N2s FHC,OWE, NJ2Y,NO2T,NX2Q,WA2CRF)	68,801	522	107	L	ABCD
N2RDX (+WA2JHN)	2,000	100	20	L	B

Southern New Jersey

AA2UK	144,744	554	163	S	ABCD9EFG
WB2YEH	56,154	353	98	S	ABCD9EFG
WB3JYO	39,336	279	88	S	ABCD9EFG
K2GAL	19,351	233	45	S	ABCD9E
N2ZBH	9,450	130	45	S	ABCD9E
N2GBY	1,925	77	25	S	AB
KA1ZFO	1,738	69	22	S	BD
N2UNH	533	34	13	S	ABD
KF2TT	264	33	8	S	B
N2MPU	232	22	7	S	B
KA2GSL	96	16	6	S	B

Western New York

K2AN	45,652	262	113	S	ABCD9EFG
KD5RO	31,383	184	99	S	ABCD9EFGH
WA2BPE	12,300	111	75	S	ABCD9EFGH
AA2GF	9,900	121	60	S	ABDE
WA2AEY	9,240	165	55	S	AB
N2PEB	8,160	126	51	S	ABD9E
WB2RRK	6,519	105	53	S	ABD
NV2Z	4,154	134	45	S	ABD
W2WGL	3,588	72	33	S	BD
WA2ZNC	3,432	80	33	S	ABCD
KF2XC	3,240	95	27	S	ABCD
KE2SE	2,064	78	24	S	BD
N2XTX	1,888	53	32	S	ABD
N2RYU	1,800	55	24	S	ABD
KB2KIR	1,431	45	27	S	ABD
KB2NFS	1,066	56	13	S	BCD
N2PSH	704	44	16	S	B
KF2SJ	480	32	15	S	B
KA2QDJ	476	23	17	S	BC
N2DEU	209	16	6	S	B
AA2SP (+AA2RS,KA2CKI,KB2KLP,N2s TUK, ULL,WK,WVK)	140,292	656	162	L	ABCD
N2HLT (+KB2s DMK,PVZ,N2MDV,NQ2O,NS9E)	113,724	542	158	L	ABCD
KE2PM (+AA2VO,KB2JG,KF2ZN,N2s PBU,PBX, N8JSO)	32,220	308	90	L	ABCD
AA2GV (+KB2OAZ)	20,501	189	83	L	ABCD
KB2UJG (KB2s CCL,FAF,N2MRE,ops)	2,415	51	35	L	ABD

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Delaware

KB3QM	32,256	210	96	S	ABCD9EF
KB3PD	27,083	215	73	S	BCDE
WA3BZT	2,425	89	25	S	BD
NK3SE	1,343	68	17	S	ABD

Eastern Pennsylvania

K3GNC	32,619	254	83	S	ABCD9E
KB3BI	25,839	191	81	S	ABCD9E
WA3JUF	5,360	71	40	S	BCDEF
KB3ZS	5,016	124	33	S	ABDE
N3JNX	3,560	73	40	S	ABD
NK8Q/3	2,320	116	20	S	ABD
N3QGF	792	39	18	S	BC
W3HOA	768	48	16	S	B
N3FOG	34	720	20	S	ABD
W3MMV	560	28	16	S	BD

N3TBB	440	40	11	S	B
N3KVF	416	26	16	S	AB
W3UQH	333	37	9	S	B
K3KEL	289	17	17	S	B
W3UOC	220	22	10	S	B
WA3CSP	180	15	12	S	A
WB1J	20	5	4	S	A
WB3BNE	2	2	1	S	B
K3YTL (K2LNS,K3MKZ,KA3s EEO,ZHT,KB3QI, KE3OA,N3s PBH,TDE,TKK,W3DZH,WA3s JWP, YON,WB3s FAA,FQ,ops)	387,572	1,201	232	M	ABCD9EFGH
K3MQH (KA2AEV,K3s IXD,JFL,KF3P,N3s EYB, KTV,W3EKT,W3FT,ops)	378,000	1,364	216	L	ABCD
K2AA (KF2YX,N2s FY,SCJ,SNX,WA2CVJ,ops)	68,300	544	100	L	ABCD
W3HZU (AA3BJ,N3s DEJ,JDO,MTY,UOQ,VQH, VOI,W3HLD,WS3C,ops)	36,256	336	88	L	ABCD
N3ADC (+KA32XA,KB3BG,N3s OWJ,RSE)	8,788	142	46	L	ABCD
N3JPV (+N1RDB,KY3W,WG3A)	3,492	90	36	L	ABD
N3ORF (+N3FJA)	2,239	76	29	L	ABD
W3ZGD (KA3LJL,N3RPN,ops)	2,900	91	25	L	BD
N3TPL (+KC3LE,N3PTT)	741	37	19	L	ABD
K3DMA (+op)	504	35	12	L	ABCD

Maryland-DC

N3TPL (+KC3LE,N3PTT)	2,230	76	29	L	ABD
K3DMA (+op)	504	35	12	L	ABCD

**Maryland-DC**

K1RZ	195,509	682	193	S	ABCD9E
WB2DNE	110,646	452	162	S	ABCD9E
W3ZZ	75,625	420	121	S	ABCD9E
K3ZO	21,087	297	71	S	AB
WA4VHF	12,384	109	43	S	DEF
KH2ZY	10,211	186	47	S	ABD
N3DUE	2,511	85	27	S	ABD
WB2BZ/H3	954	40	18	S	ABCD E
K3H	584	52	17	S	AB
K3GBP	571	11	13	S	AB
WA3GYW	392	28	14	S	AB
W3LMC	140	20	7	S	B
KK4GV (+N3PTT)	1418	38	11	L	AB

KE6GFF	700	50	7	S	D
KE6SXD	504	27	14	S	ABCE
N6RPL	456	38	12	S	B
KE6HGX	438	67	3	S	BD
W6RAY	308	25	11	S	ABD
KE6JPO	260	52	5	S	B
KE6TXQ	217	29	7	S	BD
KE6GFI	1,070	59	10	Q	BD
KD6DHB (+KC6TMB)	12,771	284	33	L	ABCD

**Santa Barbara**

KC6WLC	11,077	150	53	S	ABCE
K1FJM	2,625	105	25	S	AB
KE6FKA	644	39	14	S	ABCD
K06AZ	350	28	10	S	ABD
*WB2ODH/6 (+N6RMJ,WA6s,DJS,JOX)	189,360	761	180	L	ABCD

**Santa Clara Valley**

AJBT	14,396	191	61	S	ABCD
W6ISO	1,530	87	17	S	B
KD6PAO	1,458	81	18	S	B
K6BAN	1,170	65	18	S	A
K06CL	855	38	15	S	BDE
KE6NLL	544	28	16	S	ABD
KE6TCY (+KB6HRB,KC6UCN,KD6HMN,KE6s,KMM,QHR,QD,YIV,YV)	39,201	361	73	M	ABCE
KD6GPJ (+KB6TR,WB6ECI)	1,100	51	20	L	ABD

**San Diego**

W6PFE	1,001	91	11	S	AB
N6XIV (+KC6VNA,KO6ET,N7GZA)	9,947	245	29	L	ABCD

**San Francisco**

W6ABLY/6	160	15	10	S	ABD
*WA6KLK (+AC6L, KD6LTS,KE6HML,WB6AGR,W6HDY,WB6NJS)	33,900	338	75	L	ABDE
WN6W (+AA6CC,KF6ZU)	18,468	234	57	L	ABCD
AB6QW (+N6GN)	5,187	97	39	L	BDE

**San Joaquin Valley**

K6AMD	7,289	155	37	S	ABCD
KD6WVL	2,116	92	23	S	B
N6IFW	720	60	12	S	B
KE6JTH	280	27	10	S	BD
KD6IVL	248	31	8	S	B
K6K6E	580	29	10	Q	D
WA6YDI (+WA6LUT,WB6ITM)	33,879	332	69	M	ABCE
N6OBP (+WG6R,KC6PLM,KO6s,EC,LW,K6AMNZ)	15,423	214	53	M	ABCE
WB6UGG (+KE6QCS,N6JET)	3,886	112	29	L	ABD

**Sacramento Valley**

KJ6K6	17,580	226	60	S	ABCD
N6K8X	5,658	138	41	S	AB
KA6GVQ	5,320	117	40	S	ABCD
KC6ZWT	3,690	88	30	S	BD
KE6DPV	2,565	80	27	S	ABD
W6SYWC	2,080	80	26	S	AB
KD6VNO	1,932	21	8	S	B
KD6PUD (+KC6SBJ,KD6CTZ,KE6JHD)	8,316	168	36	L	ABDE

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**Arizona**

WB7CHF	616	35	14	S	ABCD
N7GJD	150	25	6	S	AB

**Eastern Washington**

N7AUU	6,615	103	49	S	ABCE
N7YAP	2,030	60	29	S	ABD
AB7Z	455	32	13	S	ABD
KC7ITP	14	7	2	S	B

**Idaho**

W7ID	1,638	46	26	S	ABDE
KA7GUX	684	33	19	S	ABD
KC7HHQ	670	50	10	S	ABD
KA7EJ	560	49	8	S	BD
KC7JEJ	550	39	10	S	BD
KC7JEK	504	45	8	S	BD
KC7JEG	148	27	4	S	BD
KC7JXF	130	26	5	S	B
AB7MB	100	25	4	S	B
KR8L (+N7NHF)	3,317	87	31	L	ABCD

**Montana**

W7HAH	1,189	41	29	S	AB
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**Nevada**

KB6CO/7	5,537	99	49	S	ABCD
K7ICW	3,367	73	37	S	ABD

**Oregon**

N7YAG	3,564	81	33	S	ABCD9E
W7PUA	1,625	38	25	S	BDEFI
KB7PSH	993	34	19	S	ABCD9E
AA7IH	476	25	14	S	ABCE
WA7IQH (+KD6VLR,KE7IK)	1,536	57	24	L	ABCD

**Utah**

KE7NS	2,460	54	30	S	ABCE
N7SFT	2,232	60	31	S	ABCD
NJ7A	798	25	19	S	ABCD9EF
N7MLD	748	36	17	S	ABD
WB7QBC	363	33	11	S	B
KB7JTJ	72	12	6	S	B
KB7PLE	4	2	2	S	AB

**Western Washington**

*KE7SW	15,240	172	60	S	ABCE
W6PKW	8,400	121	48	S	ABCE
K7CWC	7,498	131	46	S	ABDE
KC7GCO	4,440	55	8	S	B
KC7FSR	384	46	8	S	BD
*N7NKO	3,930	122	30	Q	ABCD
*W1TZ (+K7ND,KD7TS,N7KSI)	15,730	163	65	M	ABCD9EF
N7TIN (+KQ4UM,KA7s,TTY,YOU,KC7s,ERP,JJZ,KC8V)	4,890	137	30	L	ABCD

**KB7N (+N7VMV)**

KC7DRR (+KC7DRS)	2,125	82	25	L	ABD
KC7KFC (WB3DZD,AB7FM,KC7s,IBM,JPJ,KWO,K17YB,ops)	1,592	62	19	L	ABD
	1,090	98	10	L	BD

**Wyoming**

N7ERH	300	30	10	S	B
W7DMH	30	5	5	S	ABD
KB7VAD	15	4	3	S	BD

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**Michigan**

K8MD	64,678	312	146	S	ABCD9E
KJ8Y	61,633	307	143	S	ABCD9E
W2BT	56,448	293	144	S	ABCE
K2YAZ	41,216	224	128	S	ABCE
N8EDQ	21,068	177	92	S	ABDE
N8RJP	14,137	175	67	S	ABCD
KT7G8	6,890	130	53	S	B
N8NOS	6,292	111	52	S	BD
N8JTB	6,670	106	45	S	ABD
KE9QT (EN57)	4,230	61	47	S	ABCD9E
KE9QT (EN67)	4,214	66	49	S	ABCE
KE9QT (EN56)	2,916	54	36	S	ABCD9E
WA8LKD	2,805	85	33	S	B
WB8WX	1,700	68	25	S	A
KB8PNS	1,326	51	26	S	AB
N8IVW	1,298	59	22	S	B
NQ8A	1,288	32	23	S	ABCD9E
NX8J	195	15	13	S	B
N8PVT (+KC8ALA)	5,600	77	56	L	ABD
WA8RLI (+KE4JDW,KB8s,BSG,SQZ,VLI,YFM,ZAU)	3,045	93	29	L	ABD
WB8TON (+op)1,725	57	25	L	BE	

**Ohio**

KE8FD	156,023	500	217	S	ABCD9E
WA4GPM	30,104	198	106	S	ABCE
K8MR	14,784	165	77	S	ABD
N8BJN	12,648	146	62	S	BCD
WA8RJJ	5,390	105	49	S	ABD
W1FEZ	4,292	90	41	S	BD
N8SSH	4,017	103	39	S	B
WA8RCN	3,640	91	40	S	AB
KB1SF	2,752	77	32	S	BD
KE8RO	2,688	84	32	S	B
KB8TLH	2,294	64	31	S	ABD
N8VEA	1,612	62	26	S	B
N8IBW	1,265	42	23	S	BD
KB8TDP	1,210	55	22	S	BD
N8PTL	1,198	40	23	S	BD
WA8QNR	989	31	23	S	ABCD
K8GHL	578	32	18	S	A
N8VKE	496	27	16	S	ABD
N8WHO	435	29	15	S	AB
N8ZAT	299	19	13	S	BCD9
AA8RR/126	273	15	13	S	ABCD9E
N8EPT	186	31	18	S	B
K1BO	140	28	5	S	B
N8VVZ	112	28	4	S	B
KC8AWP	20	5	4	S	A
KB8QBM	7,950	119	53	Q	ABCD
N8LGP	3,312	92	31	S	ABD
N8AXA/126	3,255	73	35	Q	ABCD9E
AA8BC (+KB8WFN,N8JMK)	20,825	219	85	L	ABDE
WD8DJR (+KB8HLN,WB8s,MVR,WYU)	5,236	119	44	L	B
K8KRG (KA8VTS,KB8s,ITE,PEC,QIZ,SPS,VKG,VMU,N8s,OFs,PZD,YPT,WB8IQJ,ops)	2,744	98	28	L	AB

**West Virginia**

K2UOP/8	100,632	370	168	S	ABCD9EF
N8XUR	21,528	213	78	S	ABDE
N4JQQ	18,096	187	78	S	ABD
W4PSJ	3,600	100	36	S	A
W3EUIH/8	1,260	60	21	S	ABD
N8FMD (+AA8LC,KB8s,EUB,FHW,MZI,KC8AJH,KV8s,N8s,CKY,UBH,VCF,ZQD,WJBG)	449,888	1142	272	M	ABCD9EP
N8TLZ (+WA8CXI)	73,941	398	147	L	ABCD
N8PEK (+N3IWI)	22,528	207	88	L	ABCD
WG8T (+WB1FYQ,KB8s,EEO,OFH,N8TJD)	4,788	93	42	L	BD
K8KFJ (+K8s,JYR,ZJN)	322	23	14	L	B

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**Illinois**

*K9PW	295,680	714	264	S	ABCD9EFGH
N9NJJ	21,800	158	100	S	ABCE
WD9EXD	16,905	205	69	S	ABD
N9SOR	11,395	152	53	S	BCDE
N9KUW	8,142	157	46	S	ABD
N9TNY	7,222	125	46	S	ABD
WQ9ISG	5,220	95	45	S	BD
W9JGV	4,746	113	42	S	B
N9WJI	4,312	124	28	S	ABCD
WB9QBU	3,672	78	36	S	BD
K9LOR	3,312	75	36	S	ABD
WB9GKA	2,136	56	31	S	ABCD9P
N9WRO	2,079	61	27	S	B
N9TOK	1,377	72	17	S	BD
N9UIZ	1,242	44	18	S	BCD
WB9MXX	760	40	19	S	AB
KE9OI	684	34	19	S	ABDE
N9UXP	432	45	8	S	BD
KB9II	336	28	12	S	AB
WB9EBE	56	28	2	S	B
NE0P/9	1	1	1	S	A
N8KWX	1,188	48	18	Q	ABCD
W9SZ	1,081	34	23	Q	BDE
N9KJE (+N9s,LAG,QKZ)	49,580	267	148	L	ABCD
N2BJ (+N2CIX)	9,752	156	46	L	ABCD
WD8KHE (+N9QDK)	9,515	130	55	L	ABCD

**Indiana**

N9MKC	78,672	366	149	S	ABCD9E
K99IEC	43,225	301	133	S	ABD
N3AJJ	30,591	233	99	S	BD
KB9FZQ	19,565	174	91	S	ABD

WB9VIO	18,387	197	81	S	ABD
AA9LT	12,104	149	68	S	ABCD
N9RZY	3,564	81	44	S	AB
KB9DRB	3,496	63	46	S	ABCD
KD9ZE	1,215	39	27	S	ABD
WB9YFE	1,134	32	27	S	ABCD
K9EA	1,120	28	20	S	CD
NE9O	836	36	19	S	ABD
WB9JVF	390	30	13	S	B
N9KZJ (+W9SU)	4,050	76	45	L	ABD

**Wisconsin**

AA9AO	23,814	169	98	S	ABCE
WF9X	21,749	171	91	S	ABCE
N9CIG	20,160	179	90	S	ABD
WA9LWJ (EN54)	6,608	94	56	S	ABD
WB9VYP	5,547	112	43	S	BD
N9QZD	4,662	60	42	S	BDE
WA1UJU/9	4,407	113	39	S	B
WA9ACI	3,894	83	33	S	ABDE
WD9IAB	3,108	59	37	S	ABDE
WA9LZM	3,024	84	36	S	AB
KE9QT (EN65)	2,698	49	38	S	ABCD9E
N9ISN	2,556	71	36	S	AB
WW1M	2,160	58	30	S	ABD
WA9HCZ	1,764	48	28	S	ABD
W9KHH	1,200	50	24	S	B
N9TD	1,066	34	26	S	BD
N9NOF	782	27	23	S	ABD
N9AKC	627	26	19	S	ABCD
N9LLJ	270	30	9	S	B