Results, 1996 ARRL January VHF Sweepstakes

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How do you view a glass of water? Do you see it as half full or half empty? (Or do you just get a smaller glass?) This year's January VHF Sweepstakes was a lot like that. What do you think? Was it a bad contest? Or a great one? The answer depends a lot on your point of view.

You certainly can sympathize with those who thought this January was another dull and dreary weekend of monotonous QSO-making. Once again, we didn't have any aurora—that makes *three* January VHF SSs in a row now. How long must we suffer like this? Some folks found a little E-skip here and there, and there were some meteor contacts to be made, but if you were looking for some propagation fireworks to make things interesting, you may have been out of luck.

On top of that, this winter's record-breaking snow and ice took a lot of stations off the air right before the contest started; more than one person remarked to us how they noticed the activity picking up later in the contest as more ops got gear back on line and their antennas fixed. It's not easy to do antenna work in the middle of January!

On the other hand, there are plenty of reasons why this was a great contest! "Like what?" you ask? Well, take the activity, for example. The bands this year were just jammed with signals. Scores were way up yet again. QSO totals were up across the board. Why was that? Basically, there were two reasons: We had a lot of people on the air who normally are invisible other times of the year. Some of them are just curious; others are helping out their club. The two aims work hand in hand. A couple of club members get on FM to work each other; someone else runs across them, and *voila!*—another contester is born!

The other answer can be found by examining the microwave activity. Yes, the January VHF SS has always been a prime operating event for those folks with microwave gear. This stuff has gotten a lot easier to get your hands on than it used to be. As a result, the number of people making contacts on those bands has risen dramatically. Just look at the total QSOs on 3456 MHz—they jumped from about 75 only five years ago to a whopping 300 this year! A lot of folks are learning the ins and outs of laser gear, too—even one or two of those 8-point QSOs can make a big difference in your final score.

As we said, almost everybody's scores went up this year. Tom, WA8WZG, steamrollered the competition again, setting a new overall scoring record for the second year in a row. The same goes for Rusty, NM1K, who seems to have a lock on the QRP-Portable records; and Dick's group at K3MQH, who

TIM STOFFEL, NS9E

Rick, KB2DMK, stops for a smile during the contest.

Hours to go before they sleep! Rob, N6XTT, (l) and Jim, WB2ODH, grind out the contacts at N6RMJ.

Geoff, KE4GVY, poses by the WB4VNT rover machine. Ron operated his trailer-mounted setup from seven grids to the tune of 6516 points—good enough for first place in the Southeastern Division.

are just too tough to stop when it comes to the Limited Multioperator class. Their score would have placed second in the *Multi-operator* class, and they were operating on only four bands! It just goes to show what good location, good gear, good planning, and a dedicated bunch of ops can do. We should also praise the mainstay of VHF activity in Western New York, the N2WK crew. Not only did they again win the Multioperator class, but they continue to edge closer to that 11-year-old all-time record score. How much longer will it be before they break it?

Then there's Brian, ND3F, who roamed the countryside all weekend in a quest for rover supremacy. His 16-grid trip netted him 556 contacts and 112 multipliers, and could have been even higher, had it not been for the usual weather problems and QRM/QRN problems. Brian tells us, "Clearly, my plan to operate from 16 grids was flawed, because I didn't 'work the bands dry' from each site." But it sure was good enough for first place.

Of course, the big highlight for many in this contest has always been the club competition. Many groups turn this into a test of their

Top Ten

Single Operator		QRP Portable		Multioperator		Limited Multioperator		Rover	
WA8WZG	391,658	NM1K	77,760	N2WK	527,040	K3MQH	486,860	ND3F	126,155
WA2TEO	265,860	N2DSY	54,604	K1RZ	467,400	KP4XS/W4	122,400	KB3PW (+N2HKD)	56,320
AA2UK	232,256	WX3P	22,320	W2HPF	245,409	N6RMJ	118,800	NC7K	52,966
WA3AXV	185,546	KB8QBM	6,160	W2SZ	243,333	KB2DMK	111,760	N6NB (+N6MU)	47,656
WZ1V	174,440	KK6KE	3,886	WB2IEY	171,600	KE2PM	61,824	WZ8D	47,112
WA3NUF	173,106	KB6MEG	2,794	WØRSJ	127,095	W1QK	60,927	WB9EEA	41,541
KE8FD	157,874	KE6GFF	1,826	W3IP	108,528	N8TLZ	59,081	K9JK	32,076
KD1DU	130,806	KT4GG	1,298	WA2OMY	100,254	WA2JHN	50,690	N6MI	26,050
WB2DNE	126,387	KA2HSK	1,089	KU8Y	73,150	AA8BC	37,332	AJØE (+KØTLM)	25,742
WB3JYO	120,870	WJ7L	1,036	WBØDRL	67,944	WB1FLD	37,196	K6LMN	17,424

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	265,860	S	K2UOP/8	86,660	S	WA8WZG	391,658	S	WØUC	64,540	S	KJ6FP	22,800	S
AA2UK	232,256	S	K9OYD/4	45,441	S	KE8FD	157,874	S	NØLL	59,100	S	WB5OMF	16,656	S
WA3AXV	185,546	S	KC4QWZ	44,004	S	K8MD	62,712	S	WAØBWE	56,662	S	KA3DSE/6	13,248	S
WZ1V	174,440	S	W4MYA	43,700	S	WZ8T	52,151	S	KBØZQ	31,360	S	K6IBY	12,210	S
WA3NUF	173,106	S	KD4UPF	32,670	S	K2YAZ	46,376	S	KØFF	30,976	S	KE7SW	11,634	S
NM1K	77,760	Q	KT4GG	1,298	Q	KB8QBM	6,160	Q	WJ7L	1,036	Q	KK6KE	3,886	Q
N2DSY	54,604	Q	WA4AIW	215	Q	N8AXA	200	Q	NØWCB (EN35)	912	Q	KB6MEG	2,794	Q
WX3P	22,320	Q				AA8RR	72	Q	KFØSG	462	Q	KE6GFF	1,826	Q
KA2HSK	1,089	Q							NØWCB (EN34)	384	Q	AB6SO	896	Q
WB2AMU	500	Q							WDØHHH (EN33)	234	Q	KE6GFI	882	Q
N2WK	527,040	M	WS4F	54,383	M	KU8Y	73,150	M	WBØDRL	67,944	M	WB7VVD	28,275	M
K1RZ	467,400	M	WA5PSH	1,444	M	AA9AO	42,550	M	KB5IUA	11,580	M	N5UYI	24,702	M
W2HPF	245,409	M				N8KOL	22,599	M				K7ND	14,000	M
W2SZ	243,333	M										W6TRW	10,478	M
WB2IEY	171,600	M										KI7XD	5,180	M
K3MQH	486,860	L	KP4XS/W4	122,400	L	AA8BC	37,332	L	KC5CCT	14,469	L	N6RMJ	118,800	L
KB2DMK	111,760	L	N8TLZ	59,081	L	N8YHT	16,653	L	NØBEL	11,346	L	W6RDF	13,156	L
KE2PM	61,824	L	AB4UP	17,633	L	WD8KHE	14,080	L	KFØM	8,427	L	WA6KLK	11,481	L
W1QK	60,927	L	WB4NFS	12,870	L	WB9CEP	12,285	L	K5EPL	6,120	L	KC6TMB	9,558	L
WA2JHN	50,690	L	N4JQQ	12,596	L	KE4TDB	9,016	L	KK5IH	4,218	L	K9AKS	8,244	L
ND3F	126,155	R	WZ8D	47,112	R	WB9EEA	41,541	R	AJØE (+KØTLM)	25,742	R	NC7K	52,966	R
KB3PW (+N2HKD)	56,320	R	WA3WJD	11,270	R	K9JK	32,076	R	KAØYSQ	13,083	R	N6NB (+N6MU)	47,656	R
N2LBT (+N2OJY)	12,958	R	ND3A	8,920	R	KF9US	11,041	R	NØSUO	8,000	R	N6MI	26,050	R
K1DS	9,657	R	KF4AJO	6,800	R	N9PBA (+KE4LVQ)	7,480	R	KØDAS	7,498	R	K6LMN	17,424	R
N3KKM	9,632	R	WB4VNT	6,516	R	N9UIZ	3,009	R	NØLRJ	3,510	R	KQ6CG (+KN6OW)	13,286	R

Affiliated Club Competition

	Score	Entries	Single-Op Winner
Unlimited Category			
Rochester VHF Group	**1,628,257**	**59**	**N2ODK**
Rochester (MN) ARC	20,522	51	NØCKK
Medium Category			
Mt Airy VHF Radio Club	**2,423,223**	**49**	**AA2UK**
Northeast Weak Signal Group	1,680,609	40	WA2TEO
Potomac Valley Radio Club	1,268,794	19	WB3ARZ
Northern Lights Radio Society	315,245	56	WØUC
Badger Contesters	181,840	38	WF9X
Schenectady ARA	156,875	25	WA2BAH
Delaware Valley VHF Society	108,951	4	N3FUJ
Society of Midwest Contesters	79,007	4	K9PW
Rocky Mountain VHF	74,547	17	W2CRS
South Jersey Radio Assn	58,652	21	N2SCJ
Murgas ARC	52,517	3	WA3YON
Xerox ARC	43,150	26	WA2BPQ
Six Meter Club of Chicago	41,871	29	WA9CCQ
Keystone VHF Club	37,300	3	N3JDQ
Overlook Mountain ARC	36,072	11	N2MCI
Mad River Radio Club	32,702	3	K8MR
Crawford ARS	23,800	19	WB8AUK
Albany ARA	22,047	6	WB2MRX
Downey ARC	15,956	3	KA3DSE/6
Troy ARA	14,419	5	WM2Y
Brockport Amateur Radio Klub	12,862	3	KF2XC
Yankee Clipper Contest Club	11,953	4	N1NQD
Rochester (NY) DX Assn	9,055	5	NG2P
Fox River Radio League	7,914	3	N9WJI
South Bay ARC	4,129	6	AC6EN
Mobile Sixers Radio Club	2,599	8	N3BPJ
West Park Radiops	2,158	3	WB8JBR
Local Category			
Hudson Watershed VHF Society	**171,768**	**3**	**N2GDY**
Bergen ARA	94,099	4	N2TBO
North Shenandoah DX Assn	87,561	4	K2UOP/8
North Texas Microwave Society	57,920	4	K5LLL
Ashland ARC	23,155	3	KI8L
Thomson ARC	12,671	6	NE9O
Palo Alto ARA	8,208	4	KO6CL
Conejo Valley ARC	4,308	3	KN6RU
Huber Heights ARC	3,231	7	N8CCC
Warminster ARC	3,022	8	WA3DFU
Rochester Radio Repeater Assn	2,728	3	KB2TOV
Elmwood Park ARC	2,207	3	K9GJU
10-70 Repeater Assn	1,900	3	N2OPJ
American Red Cross Emergency Communications Service	1,572	8	WA2CNV
Delaware Valley OMIK Electronics Communications Assn	1,226	4	KA3RKX

VHF Contesting for the Average Ham

By Tom Peters, N9QQB, and Sally Stanton, KB9LSP

This was Tom's first real contest, except for one Field Day, even though he has been licensed for several years now. He just never had the time, and the contests that were going on looked a little out of the reach of his equipment. There aren't that many contests people can participate in—if you live in rented space, can't erect much of an antenna farm, don't have a lot of money for gear, and haven't done a contest before. Sally is even newer to the hobby, and had never been exposed to contesting. So the two of us decided that this would be our initial foray into the contesting arena.

Tom had an old Midland 13-510 mobile rig that he had bought at a swap meet and "rehabilitated." He thought about rigging some sort of inside antenna (for the Midland) so he could pull my IC-281 out of the car and use that, too, but the '281 blew up the week before. His antenna is a 1/4-wave vertical made of brazing rod soldered to the bottom of a SO-239 connector, mounted in the attic above the second floor. The 13-510 is supposed to put out 25 W, but Tom had never checked.

Living in a grid square that is 90% water (EN63 covers a small strip of land in Wisconsin, a big chunk of Lake Michigan, and another narrow strip in Michigan), Tom though we would be "rare DX" to other contesters. We had to get a US Geological Survey topological map to be certain Tom was actually in that grid. But the contest started slow, and we weren't sure we were really going to make a lot of contacts. After a while, things picked up. We were able to work four grid squares, which isn't bad on FM with 25 W.

Tom wasn't really considering doing this contest, but he said something about it to Sally, and she got interested in it. Tom encouraged her to study for the license. She got the license, and brought some real enthusiasm to our local airwaves, as well as a careful and friendly operating style. It made people want to talk to her, and that was helpful. There's nothing like a new ham to get the rest of us in gear.

For us, the contest consisted of brief bursts of activity with a lot of slow times in between. But we made contacts. We had some successes. And, all in all, we had a fun time. Enough fun to do it again!

organizational abilities—they'll do almost anything to turn out their members and get them on the air. It pays off, too! To be one of the top clubs this year, you really had to have a commitment from *all* your members to be active. For the second year in a row, the Rochester VHF Group has captured the Unlimited gavel. Are they taking up the gauntlet of domination of this class? In the Medium category, the Mt Airy VHF Radio Club's Pack Rats once again have captured another gavel, posting the best overall club aggregate score by a large margin. Pretty soon they'll have their club house completely paneled with gavels! The Hudson Watershed VHF Society used a great multiop effort at WB2IEY to help them capture the Local Club crown.

It doesn't matter why you operated, or how

QSO Leaders By Band

Single Operator

50 MHz		144 MHz		222 MHz		432 MHz		902 MHz		1296 MHz		2304 MHz		3456 MHz	
WA2TEO	229	KD1DU	485	WA2TEO	98	K1FO	310	AA2UK	45	WA4VHF	80	WA3AXV	24	WA3AXV	15
K1IKN	218	WB2QOQ	419	WA3AXV	95	WA8WZG	157	WA2TEO	43	WA8WZG	66	AA2UK	23	WA8WZG	13
N1MIA	177	K2GAL	414	WA8WZG	93	NC1I	150	WA3AXV	43	WA3AXV	63	WC2K	20	WA3NUF	13
WA8WZG	149	N3OPM	385	WA3NUF	91	WA2TEO	142	WB2YEH	43	AA2UK	61	N2SB	20	WB2YEH	13
K1TR	141	WA2TEO	360	WB2YEH	86	K7JA	140	WA8WZG	41	WB2YEH	53	WA8WZG	19	N2SB	12
WZ1V	141	WD8BYA	330	N3EXA	85	N3FUJ	129	WZ1V	37	WA3NUF	52	WB3JYO	19	WC2K	10
WC2K	135	KE8FD	309	WB3KRW	84	WZ1V	126	WA3NUF	35	WB3JYO	49	WB2YEH	19	AA2UK	9
N3DQZ	134	K3UZY	292	AA2UK	82	N2GHR	125	WB3JYO	35	WA2TEO	49	WA3NUF	19	KB3XG	8
W4MYA	131	N3FUJ	283	WA3JUF	81	WA3AXV	125	WA2ONK	33	N2SB	46	WA3JUF	17	KB2HQ	8
AA2UK	130	WB2VVV	275	N3DQZ	77	WB2DNE	119	N3EXA	31	WZ1V	45	N3AOG	17	WB3DNI	7
K9PW	130	WB2CUT	275	K1FO	76	WB2WIH	118	N2SB	29	KB3IB	42			N3AOG	7
W3EP	128	AA2UK	274	K1TR	74	WA3NUF	117	N1DPM	29	N3EXA	42			N1DPM	7

Multioperator

50 MHz		144 MHz		222 MHz		432 MHz		902 MHz		1296 MHz		2304 MHz		3456 MHz	
K3MQH -L	402	K3MQH -L	795	K3MQH -L	186	K3MQH -L	322	K1RZ	37	K1RZ	49	WA2OMY	27	N2WK	12
WB2IEY	364	N3AHF -L	486	K1RZ	148	K1RZ	206	N2WK	34	N2WK	40	N2WK	16	W2SZ	5
K1RZ	301	N2WK	474	N2WK	118	N2WK	183	W2HPF	32	W3IP	35	W2SZ	11	W2HPF	5
N2WK	252	K1RZ	467	WB2IEY	115	WB2IEY	165	W2SZ	29	W2HPF	34	WØRSJ	8	WB2FWK	2
WA2JHN -L	245	W2HPF	433	W2SZ	114	W2SZ	147	WA2OMY	23	N3ITT	30	W2HPF	6	K1RZ	2
W1QK -L	208	WØRSJ	417	N6RMJ -L	107	W2HPF	125	N3ITT	19	WBØDRL	29	K1RZ	6		
KB2DMK -L	201	WB2IEY	382	W2HPF	85	N6RMJ -L	123	W3IP	15	WØRSJ	29	WB2FWK	4		
K3EOD	195	W2SZ	358	WA2OMY	74	WØRSJ	119	KU8Y	5	W2SZ	28	W3IP	2		
KP4XS/W4 -L	177	KB2DMK -L	329	KB2DMK -L	72	W1QK -L	117	K3EOD	5	WB2IEY	27	WB7VVD	2		
WØRSJ	160	W1QK -L	317	WØRSJ	71	NO2T -L	106	WBØDRL	5	WA2OMY	27				
KU8Y	157	WA2JHN -L	286	W1QK -L	62	KB2DMK -L	103	WB2FWK	4	K1EM	23				
W2SZ	155	K3EOD	280	K3EOD	57	KB2UW -L	102	K7ND	3	K3DMA	21				

-L denotes Limited Multioperator

Multiplier Leaders By Band

Single Operator

50 MHz		144 MHz		222 MHz		432 MHz		902 MHz		1296 MHz		2304 MHz		3456 MHz	
KØFF	48	KE8FD	65	KE8FD	34	KE8FD	43	WA8WZG	18	WA8WZG	24	WA8WZG	9	WA8WZG	9
WØUC	46	K3UZY	54	WA8WZG	32	WA8WZG	37	WA2TEO	17	WA4VHF	21	N1DPM	6	WA1MBA	4
WA2TEO	45	K2GAL	51	NØLL	26	K1FO	35	AA2UK	16	WA2TEO	17	WZ1V	6	N1DPM	4
NØLL	42	WA4GPM	49	WA2TEO	26	WB2DNE	35	WZ1V	13	WD5AGO	16	AA2UK	5	KD2YB (FN03)	4
K9PW	37	WD8BYA	48	K2UOP/8	26	N3AJX	35	N1DPM	13	AA2UK	16	WA3AXV	5		
WA8WZG	35	WA8WZG	48	W4MYA	25	K2YAZ	34	WA3AXV	11	NØLL	15	WC2K	5		
KE8FD	35	N3AJX	46	AA2UK	24	WA4GPM	34	WA1MBA	11	K2OS	15	N2ODK	4		
K8MD	34	KØFF	45	K4TO	22	WA2TEO	32	KB3QM	11	WA4GPM	13	WA2TEO	4		
WRØG	34	N3OPM	45	VE3BFM	22	KC4QWZ	31	N2GHR	10	WA3NUF	13	WA1MBA	4		
WZ1V	33	WB2DNE	44	K2YAZ	22	K2UOP/8	30	K2UOP/8	10	WC2K	13	WA4VHF	4		
W4MYA	32	WRØG	44	VA3ST	22	K2OS	30	WC2K	10	N1DPM	12	WB3JYO	4		
NW3C	31	K2YAZ	43	WB2DNE	22	K4TO	27	WB2YEH	10	N2GHR	12	WA1YHO	4		
		NØLL	42	WZ8T	22	K8MD	26	WB2DNE	10	WB2DNE	12	KD2YB (FN03)	4		
				WA3NUF	22	WZ8T	26			WZ1V	12	K1TR	4		
						WØUC	26			K2UOP/8	12				
						WD8BKM	26								

Multioperator

50 MHz		144 MHz		222 MHz		432 MHz		902 MHz		1296 MHz		2304 MHz		3456 MHz	
KP4XS/W4 -L	78	K3MQH -L	62	K3MQH -L	44	K3MQH -L	50	K1RZ	21	K1RZ	20	WA2OMY	7	N2WK	5
K1RZ	66	AA8BC -L	61	K1RZ	37	KP4XS/W4 -L	42	N2WK	15	WBØDRL	20	N2WK	6	W2SZ	4
K3MQH -L	64	K1RZ	54	N6RMJ -L	34	K1RZ	40	W2SZ	15	W2SZ	15	W2SZ	6	W2HPF	3
N2WK	48	KP4XS/W4 -L	54	N2WK	31	N2WK	37	W2HPF	13	N2WK	15	K1RZ	5		
WS4F	46	N2WK	50	W2SZ	28	N6RMJ -L	35	W3IP	8	W3IP	12	WØRSJ	3		
N6RMJ -L	41	W2HPF	50	W2HPF	26	W2HPF	35	WA2OMY	7	W2HPF	12	W2HPF	3		
KAØNND -L	40	N8TLZ -L	47	KP4XS/W4 -L	26	W2SZ	31	WBØDRL	5	AA9AO	10	WB7VVD	2		
KB2DMK -L	38	N3AHF -L	45	WB2IEY	24	KB2DMK -L	29	KU8Y	5	K1EM	10				
W2HPF	34	WBØDRL	45	N8TLZ -L	23	N8TLZ -L	28	N3ITT	3	WB2IEY	8				
WBØDRL	34	W2SZ	43	KB2DMK -L	23	AA9AO	27	N8KOL	2	WØRSJ	6				
N8TLZ -L	33	KE2PM -L	42	KU8Y	21	WBØDRL	25	K7ND	2	WA2OMY	6				
KU8Y	33	N6RMJ -L	40	WØRSJ	21	KU8Y	22	K3EOD	2	N3ITT	5				
						W3IP	22	WS4F	2						

-L denotes Limited Multioperator

well you did, though, does it? Shouldn't the fact that you had fun, no matter how "serious" you were, really be the yardstick by which you measure the contest? After all, it doesn't take a lot to work to have a blast on the radio. Just ask Tom, N9QQB, and Sally, KB9LSP, if they had a good time—or check out their story, "VHF Contesting for the Average Ham."

This year marked the first ARRL VHF Contest under the recently reformed rover rules. We had some successes; and one or two problems. Apparently a lot of you either didn't read the rules, or aren't carefully checking your logs. If you operated as a rover, and your score is dramatically different than the one you submitted, this is why. Please be more careful next time!

Of course, by the time you're first reading this, it will be Prime Time for VHF operating—the June VHF QSO Party (June 8-10), and the long-awaited spring and summer Es season are before us. Don't wait to hear how great the contest weekend was afterward—get everything you have on the air for it! (And read "The World Above 50 MHz" this month for a hint of what conditions may be coming up this summer, and why.)

SOAPBOX

Conditions were flat, but some more new stations on the microwave bands made for extra fun this January (WA1MBA). On 2 meters, conditions were good, out to a range of about 400 miles. I managed a freak meteor contact with WA7IQH in CN84 (K7ICW). I had a great time, and was amazed at how well my homemade super J-poles performed (KAØNAN). It's nice to hear everyone on 2 meters; it's like a family reunion! What a surprise to hear all the stations from Texas, Louisiana and Oklahoma coming in Sunday evening on 2 meters! (KS4YT). Just when you think you know what the bands are going to do, they change (N5MYH). Conditions were flat, but the best ever activity on 432 made for a great contest (K1FO). This contest created the most activity on FM I have ever heard (N2XFY). I think I have finally learned my lesson about roving in January. If it were not for the cold and the snowstorm on Sunday, I would have endured the weekend (WA1NIE). I trudged through the snow, froze my butt off at our summer cottage to activate FN05. Was it worth it? You bet! (VE3WMF). I finally got things workin properly on 222 MHz. It's a great band, even with only 20 W (WA1T). Considering the heavy damage to antennas by the recent storms, activity was pretty good (K7CW). Signals got better the higher I went (WD5AGO). Conditions were good for January, the activity level was high. I had lots of scatter on 6 all day Saturday and most of Sunday. I just needed more power, more antennas, and more time (WA8SVV). Seven minutes of Es was all we got! (VE9AA). There were a significant number of new stations heard. These were the best conditions I've seen in January (K8MD).

Scores

Each line score lists call sign, score, stations worked, multipliers, and band (A= 50 MHz, B = 144 MHz, C = 222 MHz, D = 432 MHz, 9 = 902 MHz, E = 1296 MHz, F = 2304 MHz, G = 3456 MHz, H = 5760 MHz, I = 10 GHz, J = 24 GHz, K = 47 GHz, L = 75 GHz, M = 119 GHz, O = 241 GHz, P = 300+ GHz). Division leaders are listed in **boldface** print.

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Connecticut

WA2TEO	**265,860**	**926**	**180**	**S**	**ABCD9EF**
WZ1V	174,440	691	140	S	ABCD9**EF**
KD1DU	130,806	814	117	S	**AB**CD9E
K1FO	94,874	578	89	S	BC**DE**
K1GX	58,320	444	80	S	ABCD9EF
W3EP	17,980	239	62	S	ABDE
KA1ZE	17,355	276	39	S	BCD9**EFG**
W1XX	15,320	301	40	S	BD9
K1CPJ	12,874	175	41	S	ABCD9EFG
N1NQD	8,544	230	32	S	ABD
W1QJL	4,408	121	29	S	ABCD
K1OQG	2,925	117	25	S	AB
AA1AL	2,142	90	21	S	ABCD
WA1GTP	1,680	80	20	S	ABC
KB1HY	1,624	116	14	S	A
N1TDW	1,120	96	10	S	ABCD
N1KLB	1,020	55	17	S	ABD
K1WVX	960	61	12	S	ABCD
W1INF (KH6CP/1,op)	132	15	6	S	BDE
AA2Z	12	4	3	S	AB
NM1K	**77,760**	**506**	**90**	**Q**	ABCD9EFG
N1SFE	75	25	3	Q	B
K1EM (+W1OD)	**48,168**	**471**	**72**	**M**	ABCDE
W1QK (+AF1U,KA1SYG,KD1XS,WW1O)	**60,927**	**704**	**69**	L	ABCD
W1ORS (N1s KPR,ORW,PLP,W1ZQT, WA1EHK,WD1X,N2BQA,WA2TJR,ops)	6,324	167	31	L	ABCD
K1SSN (N1TPD,N7HPR,ops)	3,192	103	28	L	ABD
WZ1C (+N1NPP,W1GUA,KC7DN)	1,840	92	20	L	AB

Eastern Massachusetts

N1BWT	29,463	329	61	S	ABCD9EI
KB1KM	25,260	317	60	S	ABCDE
KX1C	22,746	320	51	S	ABCD9E
WB1FKF	19,300	160	50	S	ABCD9**EFGHI**
KA1YQ	12,152	248	49	S	**AB**
K1DAT	10,803	242	39	S	ABC
WS1K	6,596	155	34	S	ABD
WA1ECF	3,429	112	27	S	ABCDE
K1GVM	2,975	104	25	S	ABCDF
N1EKV	1,854	79	18	S	ABCD
KD1KJ	1,746	80	18	S	ABD
WA1OFR	1,530	67	18	S	ABDE
KB1AWE	1,524	114	12	S	BD
KV1J	858	59	13	S	ABD
N1ABY	759	69	11	S	AB
W1GXT	135	27	5	S	B
WA1TTE	22	11	2	S	B
KA1WBD (+WB1CMG)	1,380	59	15	M	ABCD9E
KA1EKR (+KA1CLV)	21,677	309	53	L	ABCD
KL7JT/1 (+AJ1G,WA1UGE,WA2SCA)	2,760	97	24	L	ABD
N1FDX (+N1s EDM,FYZ,SGU)	910	65	14	L	B

Maine

W3HQT	9,405	130	45	S	BCD9
N1HOV	7,638	162	38	S	**ABD**
N1DGF	1,914	70	22	S	BCD
N1DYR	960	37	20	S	ABD
W9KDR	189	17	9	S	BD

New Hampshire

K1TR	106,338	609	111	S	**ABCD9EFGHI**
AF1T	62,699	414	91	S	ABCD9EFGI
WA1YHO	34,967	268	73	S	ABCD9EF
N1HO	24,339	347	57	S	ABD
WA1T	17,528	234	56	S	ABCD
W1EJ	14,147	270	47	S	ABC
AC1J	11,298	212	42	S	ABCD
WA1TFH	6,880	118	32	S	ABCD9EFGHIJ
WA1YZN	1,938	102	19	S	B
N1JHJ	1,683	89	17	S	ABD
K1BQT	1,183	91	13	S	A
WA1GDR	363	30	11	S	ABCD
NQ1X	216	24	8	S	ABD
K1BV	20	10	2	S	B
N1RIK	6	3	2	S	B
WB1FLD (+KA1FYB,N1NVM,WA1ZVF)	37,196	441	68	L	ABCD

Rhode Island

KM1X	10,792	275	38	S	**ABD**
WA1HYN	6,426	175	27	S	BC**E**
K1IKN	5,232	218	24	S	**A**
AI1K	4,131	143	27	S	ABD
N9LYE	246	31	6	S	BD

Vermont

W1AIM	11,466	139	63	S	**ABCDE**
KA1FJ	5,160	104	40	S	AB**D**
N1JEZ	3,024	84	28	S	BD
WB1CNE	1,596	55	28	S	ABD
K1LPS	940	35	20	S	ABCD
N1VWD	80	16	5	S	B

Western Massachusetts

N1DPM	111,386	446	122	S	ABCD9E**FG**
W1GCI	88,884	523	108	S	ABCD9EF
WA1MBA	60,344	361	76	S	BD9**EFGHI**
N1MUW	33,264	429	63	S	**AB**CDE
WA2TIF	31,500	391	63	S	ABCD
NC1I	29,040	224	55	S	ABC**D**9EG
N1LZC	27,401	379	53	S	ABCDE
W1RIL	18,928	173	52	S	ABCD9E**I**
NA1W	16,720	173	44	S	BCD9EFG
KD1WO	13,376	309	38	S	ABD
N1FUS	8,932	255	29	S	ABD
W1TDS	5,104	176	29	S	B
K1SF	3,375	120	25	S	ABD
N1MIA	3,009	177	17	S	**A**
N1QXV	2,262	144	13	S	BD
N1MHH	1,819	105	17	S	ABD
WA1ZUH	1,720	74	20	S	ABD
KD1XP	824	90	8	S	ABD
N1QKR	696	144	4	S	BD
K1TMA	425	74	5	S	BD
N1VMJ	288	96	3	S	AB
N1VAP	222	35	6	S	ABD
N1UST	78	39	2	S	B

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Eastern New York

WA2BAH	45,630	400	65	S	AB**CD**9EFGHIJ
KB2HQ	34,935	270	51	S	ABCD9**EFGHIJ**
W3HHN	27,950	306	65	S	ABCD9EF
N2MSS	20,592	288	52	S	ABCDE
N2XXX	11,653	178	43	S	ABCD9EFGH
N2MCI	11,528	221	44	S	ABCD
WM2Y	10,063	265	29	S	ABCD
WA2ZPX	8,151	207	39	S	ABD
WB2MRX	7,854	207	34	S	ABD
WA2WQZ	7,344	216	34	S	**AB**
KA2MCU	6,555	104	23	S	ABCD9EFGHIJ
W2GKR	5,478	166	33	S	AB
KC2QF	5,220	134	30	S	ABD
N2SQW	5,096	162	28	S	ABD
KE2UJ	4,140	138	30	S	**B**
KG2DZ	3,280	152	20	S	ABD
WB2BEJ	2,873	121	17	S	ABCD
KB2RKY	2,640	171	12	S	ABCD
N2YXW	2,603	116	19	S	ABD
KA2UOJ	2,528	115	16	S	BCD
WA1KKM	2,464	81	28	S	ABD
N2NCQ	2,128	92	19	S	ABCD
N2YQW	1,988	125	14	S	ABD
N2ZRC	1,870	147	10	S	BD
WB2OEE	1,815	121	15	S	B
K2RI	1,540	102	10	S	BCD
N2XFY	1,416	87	12	S	BCD
N2LBR	1,280	60	20	S	ABD
KF2YC	1,176	93	12	S	BD
KB2STS	1,017	113	9	S	AB
N2PEQ	1,016	127	8	S	AB
N2POS	1,000	78	10	S	ABCD
K2PK	988	65	13	S	ABD
N2WWW	984	64	12	S	BCD
N2NCM	759	56	11	S	BCD
WB2VVQ	680	40	17	S	AB
WB2ECL	672	82	7	S	ABI
N2ZOE	620	124	5	S	B
KB2SRI	618	103	6	S	B
N2ZKD	540	54	10	S	B
AA2CW	488	51	8	S	ABCD
KB2SRD	468	60	6	S	BD
N2WCY	455	56	7	S	BD
KB2CS	455	44	7	S	ABCD
KB2UZB	435	87	5	S	B
N2TTM	385	51	7	S	BD
KB2SMS	384	64	6	S	B
KD2IX	288	33	8	S	BCD
KB2TRX	259	30	7	S	ABD
W2IP	256	28	8	S	BD
N2QFH	224	25	8	S	ABCD
KB2TBC	200	50	4	S	B
KB2UYY	180	45	4	S	B
N2OGB	161	20	7	S	BD
N2JJE	160	40	4	S	AB
N2RIZ	148	37	4	S	B
N2UID	144	18	6	S	ABCD
N2TJQ	132	33	4	S	B
N2GDY	120	17	6	S	BCD
KB2RWW	80	20	4	S	B
WA2FME	78	26	3	S	B
N2NQX	48	6	3	S	BCI
KB2WPA	39	12	3	S	BD
KB2WPD	8	4	2	S	B
W2SZ (KA1PRT,KC1ZN,N1s IHA,RMU,SPX, KE2TP,N2s GXH,YCA,W2ARQ,WA2AAU, WS2B,KE4s IBF,VYZ,ops)	**243,333**	**851**	**171**	**M**	ABCD9EFGH
WB2IEY (+K2ZVI,KA2VWP,N2s DHH,DVQ,FMC, GCZ,GKM,NWZ,WA2s KBR,LVY,WB2s NHC, NVR,VVS,N3EMF)	171,600	1055	120	M	ABCDEI
WB2FWK (+KF2XY)	3,895	95	19	M	ABCD9EFGHIJ
N2VOT (+N2YYU)	18,630	281	54	L	ABCD
WB2YOR (+WB2ZCM)	3,164	190	14	L	ABD

NYC-Long Island

N2GHR	50,838	367	74	S	AB**D9E**
N2LIV	38,454	380	78	S	**ABCD**
WA2EIO	4,525	134	25	S	BD
N2QHS	2,812	112	19	S	ABD
KG2BB	2,646	98	21	S	ABCD
N2HCU	920	89	10	S	BC
WV2C	350	35	10	S	B
K2OVS	275	25	11	S	AB
N2YGN	270	47	5	S	BD
WA2CNV	240	39	5	S	BD
N2SLW	44	8	4	S	BD
N2LEB	16	4	2	S	D
WB2AMU	500	50	10	Q	AB
N2UCK	390	50	6	Q	BD
WA0KIR	234	29	6	Q	BD
KB2WNV	160	23	5	Q	BD
WA2ZFH (+NB2T)	5,325	178	25	L	ABCD
KB2VKQ (AA2XN,KB2CY,ULH,N2YHK,ops)	2,016	179	9	L	BD
N2OFI (+N2RFN,W6GCJ)	448	53	7	L	BD

Northern New Jersey

WB2VVV	**82,908**	**540**	**98**	**S**	ABCD9E
WB2WIH	32,968	454	52	S	ABC**D**
WB2QOQ	13,408	419	32	S	**B**
N2UAH	9,824	263	32	S	ABD
WB2CUT	6,325	275	23	S	B
WA2UDT	6,120	160	30	S	ABCD
KB2RXZ	4,011	191	21	S	B
N2LMU	3,553	173	17	S	ABD
N2ZBH	3,247	151	17	S	ABD
NA2R	2,278	134	17	S	B
K4BNC	2,233	56	29	S	ABC
N2NHN	1,248	78	16	S	A
N2OPJ	1,242	124	9	S	BC
KB2TGU	1,232	77	16	S	AB
WB2RQX	830	73	10	S	BCD
K2KIB	576	36	8	S	D
N2ZAQ	550	42	11	S	ABD
N2WZB	376	94	4	S	B
N2TBO	268	67	4	S	B
WA2VYA	175	24	7	S	BD
KB2SJG	108	17	6	S	ABD
W2JEK	92	23	4	S	B
N2DSY	**54,604**	**482**	**73**	**Q**	ABCD9EP
WA2JHN (+KE2JE,KT2K,NJ2Y,NX2Q,WA2SEI, WB2IHI)	**50,690**	**604**	**74**	L	ABDE
NO2T (+N2s MFD,PBY,WA2INW)	30,735	544	45	L	ABCD
WA2WYR (+NET)	552	30	12	L	BD

Southern New Jersey

AA2UK	**232,256**	**743**	**152**	**S**	**ABCD9EFGH**
WB3JYO	120,870	594	102	S	ABCD9EFG
WB2YEH	117,630	607	90	S	ABCD9EF**G**
N2SB	103,416	509	93	S	ABCD9EFGH
WC2K	79,744	389	89	S	ABCD9EFG
WB2JHG	75,530	450	91	S	ABCDEF
WA2ONK	31,569	326	51	S	BD9E
K2GAL	21,114	414	51	S	**B**
N2SCJ	16,492	389	31	S	ABCD
W2EIF	15,300	243	36	S	ABCD9EF
W2PAU	11,877	274	37	S	ABD
KB2RHA	7,074	225	27	S	ABD
N2GBY	6,237	202	27	S	ABD
WB2VLA	5,800	141	25	S	ABCD9
N2DEQ	1,965	131	15	S	B
N2LVI	1,946	110	14	S	BCD
KA2MIN	1,530	90	17	S	B
KF2TT	1,529	128	11	S	BD
KA2KFO	1,428	119	12	S	B
W2ORA	1,305	120	9	S	ABD
W2LKB	1,152	120	9	S	BD
WA2YSW	1,113	138	7	S	BD
KD2KS	1,038	157	6	S	BD
W2FGY	910	91	10	S	B
K2ZA	756	63	12	S	B
KB2RYK	708	59	12	S	A
N2MPU	528	66	8	S	AB
N2WXF	184	41	4	S	BD
N2XYZ	126	36	3	S	BD
N1OMP	104	26	4	S	B
AE2N	84	18	4	S	BD
WA2HBF	52	26	2	S	B
WA2DUE	48	24	2	S	B
KD4HZW/2	45	15	3	S	AB
N2VPN	32	16	2	S	B
N2PNB	32	16	2	S	B
N2HQL	4	2	2	S	B
N2XQI	1	1	1	S	B
KA2YKN	1	1	1	S	B
K2AA (KA2GSL,KF2YX,WA2CVJ, ops)	22,661	414	43	L	ABCD
N3AHF (+KF2UF,KS2D)	21,870	486	45	L	B

Western New York

N2ODK	87,296	462	88	S	ABCD9**EFGH**IJP
WB2ELB	86,268	478	84	S	ABCDE**IJ**
KD2YB (FN03)	70,262	350	86	S	ABCD9**EFGI**P
K2AN	68,250	419	91	S	ABC**D9**EFG
AA2WV	45,356	321	68	S	ABCD9EFGIP
N2DKP	41,712	361	79	S	**ABD**9E
N2NEP	40,158	419	69	S	ABCD9E
WA2BPE	32,936	275	92	S	ABCD
K2OS	28,560	305	56	S	AB**DE**
AA2GV	26,520	251	78	S	ABCD
W2ONP	25,805	245	65	S	ABCD9E
AA2GF	21,574	237	67	S	ABCDE
N2ULL	20,400	275	48	S	ABCD9EF
NM2J	20,000	279	50	S	ABCD9E
AA2IO	16,224	239	48	S	ABCD9E
K2SPO	15,052	213	53	S	ABCD
N2JQR	14,628	220	46	S	ABCDI
KA2ENE	12,672	311	33	S	ABD
WA2AEY	12,393	243	51	S	AB
KE2DI	10,168	228	31	S	ABCDI
N2PEB	8,192	179	32	S	ABD9E
WA2ZNC	7,310	168	34	S	ABCD
NG2P	6,556	187	22	S	ABCD9E
KF2XC	6,516	275	18	S	ABCD
WY2Z (FN13)	6,468	164	21	S	ABCDEIP
WA2BPQ	6,270	312	15	S	BCD
N2WVK	5,610	181	30	S	ABD
K2JIQ	5,304	156	34	S	B
KE2T	5,040	221	18	S	ABCD
KA2CKI	5,000	161	25	S	ABCD
AF2K	4,836	287	13	S	BCD
N2KZF	3,916	131	22	S	BD
K2MP	3,885	161	21	S	ABCD
WO2P	3,800	190	20	S	B
K2MPE	3,683	108	29	S	ABD
W2WGL	3,332	74	34	S	BD
N2MXG	3,211	177	13	S	ABD9
KB2NFS	3,159	167	13	S	BCD
KD5RO	2,921	39	23	S	BD9EFGH
KB2HVL	2,848	133	16	S	ABCD
N2KXS	2,618	187	14	S	B
N2RYU	2,486	113	22	S	**A**
WW2J	2,133	194	9	S	BD
N2PSH	2,132	164	13	S	B
N2RCS	1,890	167	9	S	BD
KB6CSP	1,848	106	12	S	BCD
WM3D	1,738	120	11	S	ABD
N2LZH	1,620	59	20	S	BCD
WA2RBO	1,616	159	8	S	BD
N3TJD	1,503	125	9	S	BD
KF2VL	1,365	81	15	S	BCD
N2USB	1,332	143	9	S	ABD
KB2TCG	1,330	153	7	S	BD
KB2TOV	1,208	122	8	S	BD
N2IJI	1,136	127	8	S	BD
N2HJD	1,080	60	12	S	ABCD
N2TNW	902	41	22	S	AB
KE2MK	835	167	5	S	B
WY2Z (FN03)	819	17	7	S	BCD**IP**
N2ODK (FN03)	800	15	8	S	BDIJP
WA2MOP (FN13)	770	25	14	S	ABCD9EI
K2OID	760	150	5	S	BC
WR2T	749	89	7	S	BD
KG2EP	690	138	5	S	B
N2BKS	658	47	14	S	B
KF2CF	615	123	5	S	B
N2TWI	580	31	10	S	ABD9E
WA2LCC	500	50	10	S	B
KA1MX	464	42	8	S	BD
N2SNL	448	103	4	S	BD
KB2WEV	440	102	4	S	BD
KD2YB (FN13)	410	11	5	S	DIP
KB2NU	400	100	4	S	B
AA2SU	364	91	4	S	B
KF2JC	342	57	6	S	AB
KF2SJ	336	56	6	S	B
W2HG	304	76	4	S	B
KB2VPP (AF2K,op)	255	51	5	S	B
N2MYM	252	28	9	S	B
KF2TV	244	61	4	S	B
KB2TXN	236	59	4	S	B
AG2Y	228	76	3	S	B
AA2SP	212	53	4	S	B
KE2LU	192	64	3	S	B
AB2F	160	40	4	S	B
WB2GNR	144	36	4	S	B
WK2N	140	35	4	S	B
KA1CNF	117	39	3	S	B
KE2OX	96	48	2	S	B
KA2U	70	35	2	S	B
KB2TXM	68	34	2	S	B
WA2UBD	56	28	2	S	B
N2ODK (FN02)	48	3	2	S	IJ
N2ODK (FN12)	48	3	2	S	IJ
W1GP	36	36	1	S	B
K2SKO	19	19	1	S	A
N2EZS	9	9	1	S	B
WA2MOP (FN03)	8	1	1	S	I
KD2YB (FN12)	8	1	1	S	I
KD2YB (FN02)	8	1	1	S	I
WX3P	**22,320**	**278**	**45**	**Q**	ABCD9EFI
KA2HSK	1,089	87	9	Q	BCD
KA2WNS	22	11	2	Q	B
N2WK (+AA2SP,K2DB,KA2RDO,KD2KQ, NJ2L,WA2TMC,KD5RO)	**527,040**	**1203**	**216**	**M**	ABCD9EFGHIJP
W2HPF (+N2PP,K5MA)	245,409	865	179	M	ABCD9EFGH
KB2DMK (+KB2s ITN,PVZ,N2s HLT,MDV,NS9E)	111,760	705	127	L	ABCD
KE2PM (+KB2s JAG,RLO,UVK,VKL,KF2s VB,ZN, N2s PBU,PBX,VBM,YDFWA2s KRP,PCH)	61,824	457	112	L	ABCD
KB2UW (+KF2TV,N2EZS)	23,478	397	43	L	ABCD
NR2M (+op)	10,656	258	32	L	ABCD
KB2UQP (KB2s TXN,UDB,WEU,KE2s LU,QW, N2IJI,ops)	8,640	248	27	L	ABCD
N2XTX (+KB2OBB)	7,370	111	55	L	ABCD
W2SEX (AA2YW,K2ZR,KA2WCM, KB2URI,N2RHL,ops)	2,223	101	19	L	BD
K2JD (AA2FO, KB2WBS,NV2Y,WB2DYJ,ops)	1,680	81	15	L	ABCD

3

Delaware

KB3QM	94,278	459	114	S	**ABCD9EF**
WA3BZT	3,060	153	20	S	B
KA3KHZ	2,737	119	23	S	B
AB3D	1,110	74	15	S	B
N3WBF	114	38	3	Q	B
WA3U (+KB3PD)	31,525	387	65	L	ABCD

Eastern Pennsylvania

WA3AXV	185,546	705	113	S	**ABCD9EFGHI**
WA3NUF	173,106	697	118	S	ABCD9EFGHI
N3EXA	93,744	595	84	S	ABCD9EF
WB3DNI	76,812	484	74	S	ABCD9EFGHI
WA3JUF	72,884	454	76	S	ABCD9EFG
N3DQZ	70,890	580	85	S	ABCDE
WB3KRW	63,382	521	86	S	ABCDE
N3FUJ	55,148	610	68	S	**ABCD**
K3GNC	51,375	417	75	S	ABCDE
KB3IB	50,690	353	74	S	ABCD9E
WA3YON	43,589	343	91	S	ABCD9E
N3AOG	42,350	356	50	S	ABCD9EFGHI
AK3O	35,427	349	49	S	ABCD9EF
W3GAD	27,150	409	50	S	ABCD
K3MFI	26,550	429	45	S	ABCDE
WA3AQA	25,709	328	47	S	ABCD9E
N3NGE	25,368	222	56	S	ABCD9E
W3GXB	23,618	294	49	S	ABCD9E
N3JDQ	22,968	333	58	S	ABD
N3GSA	21,761	328	47	S	ABCD9
WB8ZAR	21,222	271	54	S	ABCD9
K3IUV	21,015	300	45	S	ABCDE
W3KKN	17,640	315	30	S	ABCD9E
N3LKI	16,900	200	65	S	ABD
K3UZY	15,768	292	54	S	**B**
WA3EHD	15,312	315	33	S	ABCDE
AA3JW	15,228	212	54	S	ABDE
KB3HE	12,348	231	42	S	ABD9
KB3ZS	11,040	257	32	S	ABDE
K3EBZ	10,880	258	32	S	ABCDE
AA3GN	8,897	243	31	S	ABCD
WB3FAA	8,878	129	46	S	ABCD9E
WA2PEB	8,580	209	30	S	BD
NK8Q/3	7,830	274	27	S	BD
KU3A	7,616	174	32	S	ABCD
W3IIT	6,003	214	23	S	ABCD
K3VGX	5,973	181	33	S	B
WA3RLT	5,100	158	25	S	ABDE
KB3XG	4,108	55	13	S	C9EFGHI
W3HFY	4,068	120	18	S	ABCD9E
K3ESJ	3,256	132	22	S	ABD
WA3DFU	1,932	289	6	S	BCD
N3DHI	1,727	104	11	S	ABCD
K3PHY	1,670	122	10	S	BC9
W3MMV	1,440	48	18	S	BDE
W3IAC	1,183	123	7	S	BCD
N3IYX	1,144	88	13	S	B
N3TBB	909	101	9	S	B
WA3CSP	828	46	18	S	A
N3OWJ	720	56	9	S	BCD
N3BPJ	684	108	6	S	BD
W3CXU	679	67	7	S	AC
WA3JMM	564	70	6	S	ABC
W3AWA	477	45	9	S	ABCD
KA3RKX	424	46	8	S	ABCD
N3HBT	404	82	4	S	BD
N3LJC	370	70	5	S	BD
N3WFP	369	36	9	S	ABD
AA3KQ	348	58	6	S	AB
N3RAH	340	57	5	S	BD

WI3S 330 66 5 S B
N3JES 264 29 6 S BCD
W3UQC 240 40 6 S B
W3IAR 168 35 4 S BD
W3ICC 168 56 3 S B
KA3VTQ 156 39 4 S B
N3KFV 144 16 9 S AB
N3ONZ 120 60 2 S B
N3TLJ 90 18 5 S B
K3KEL 81 9 9 S B
WDØESL 70 35 2 S B
KA3QBB 56 28 2 S B
K3UEQ 54 18 3 S B
N3MXT 52 26 2 S B
N3KGC 50 8 5 S ABD
WA3CQT 36 9 3 S ABC
KA3WDY 30 7 3 S BCD
N3LJE 26 26 1 S B
W3TDZ 4 4 1 S B
W8IJ 4 2 2 S AB
WØRSJ (+W1PV,WB2ONA)
127,095 805 111 M ABCDEFG
WA2OMY (+WA3YUE)
100,254 573 93 M ABCD9EF
N3ITT (+K3FMQ,N3OZO)
58,730 564 70 M ABCD9EG
K3EOD (+N3DG,WA3IAC,WF3W,WR3P)
49,335 607 65 M ABCD9E
N3ADC (K3ITN,KA3ZXA,N3s NFB,RSE, WB3LNZ,ops)
30,415 414 55 M ABCDE
K3DMA (+op)
14,430 315 30 M ABCDE
K3MQH (+W2EOS,K3s IXD,RA,KF3P,N3s EYB, KTV,W3GHR,WF3T)
486,860 1705 220 L ABCD
W3HZU (N3s NBT,VQH,VQI,WS3C,ops)
12,892 219 44 L ABD

Maryland-DC

WB2DNE 126,387 550 151 S **ABCD9E**
WB3ARZ 48,223 450 83 S ABCD
N3OPM 32,832 449 64 S **BD**
KH2CY 24,461 310 61 S ABCD
WA4VHF 23,856 165 42 S **DEF**
K3ZO 17,010 315 54 S AB
N3VBG 11,739 273 43 S AB
N3LDF 6,335 181 35 S B
NW2M 5,928 228 26 S B
KA3TCC 4,379 116 29 S ABCD
N3LSY 2,574 117 22 S AB
KA1YY 2,220 148 15 S B
W3VRD 1,980 74 22 S ABD
N3DUE 1,738 71 22 S ABD
WB2BZR 1,440 65 16 S ABCDE
K3VRS 1,311 64 19 S ABD
N3UN 738 71 9 S ABD
KA3TGY 648 72 9 S AB
WA3GYW 444 37 12 S AB
N3II 408 68 6 S B
W3GN 310 31 10 S AB
W3FG 276 45 6 S ABC
N3WIZ 78 39 2 S B
KE3ID 66 33 2 S B
WR3E 38 19 2 S B
N3SEO 16 16 1 S B
K1RZ (+W3ZZ,WR3E,WA6GVC,WD8ISK)
467,400 1218 246 M ABCD9EFGI
W3IP (+K3YDX,N3s CBJ,FNE,OES,WB3ICL)
108,528 604 119 M ABCD9EFI
W3CQH (+N3QYG)
4,370 190 23 L AB

Western Pennsylvania

NW3C 38,081 264 113 S **ABCD**
NO3I 20,300 226 70 S **ABDE**
KA3SDP 14,592 200 57 S **ABD**
KA3JWJ 8,476 163 52 S AB
AA3GM 8,424 121 54 S ABCD
W3FUH 3,071 82 37 S ABD
W3HH 2,220 63 30 S ABCD
KA3AVB 184 21 8 S ABCD
W3HDH 180 18 10 S A
N3VSM 126 14 9 S B
AA3GQ 98 14 7 S A
N3RTR 84 12 7 S B
KB3AFT 36 12 3 S B

4

Alabama

KE4FRZ 8,505 160 45 S **ABD**
KD4PEE 1,872 78 24 S AB
KD4ZO 1,470 64 21 S ABD
KS4YT 1,276 58 22 S B
KD4FMN 870 51 15 S ABD
WA4VUG 36 9 4 S B
AB4UP (+KA2DRH,N4YOS)
17,633 182 77 L ABCD
N4ION (KD4s MQA,OIR,N4GKE,ops)
6,210 115 46 L ABCD

Georgia

W4ZPG 8,084 125 43 S **ABCDE**
W4WDH 6,721 113 47 S **ABCD**
KD4HLG 6,042 136 38 S **ABD**
WD4MBK 2,116 47 23 S BCDE
WA4KXY 1,992 83 24 S AB
KD4K 1,659 65 21 S BD
KD4YDA 72 18 4 S B
WS4F (+NZ3I,AE6E)
54,383 359 119 M ABCD9EI
WA5PSH (+K4KAZ,KB4LCN,KF4BUM,WBØQGH)
1,444 52 19 M ABCD9E
KA4SBS (+KC4YMT,KE4s KQB,SLO,YDA)
6,912 166 36 L ABCD

Kentucky

K4TO 39,312 266 112 S **ABCD**
KC4JGS 8,758 129 58 S ABC
WA4FVQ 8,436 110 57 S **ABCDE**
KE4TDB (+KB4EBP)
9,016 148 49 L ABD

North Carolina

WA1EHL 19,118 193 79 S **ABCD**
WA4TNV 2,926 54 38 S ABCDE
K4QIF 1,425 57 25 S **A**
KD4JOB 544 32 17 S AB
KD4OWS 391 22 17 S ABD
KE4PNT 45 15 3 S B
W2YPM 42 14 3 S B
KT4GG 1,298 98 11 Q BD
WA4AIW 215 43 5 Q B
NG4C (+KN4QE,N4ZWQ,WT4C)
4,165 102 35 L ABDE
KF4DDC (+KE4s GRW,GTM,UEW,VJF)
3,775 137 25 L ABCD
N4PPH (+KB4QQJ)
1,152 48 24 L B

Northern Florida

WB4JEM 30,996 266 82 S ABCD9E
K4VXT 8,775 129 45 S **ABDE**
AA4NA 3,888 87 27 S **BDE**
KQ4PI 3,795 71 33 S ABCD9E
KE4KVW 2,210 85 26 S B
KD4LCO 1,863 69 23 S ABD
WD4MGB 1,690 58 26 S ABD
KE4MNU 1,400 48 25 S ABD
KX5U 2 2 1 S A

Puerto Rico

WP4LNY 45 45 1 S **B**

South Carolina

WA4VCC 29,145 266 87 S **ABCD**
KR4QO 3,075 70 41 S ABD
KE4YCI 87 27 3 S BD
KP4XS/W4 (+KA1GD)
122,400 507 200 L ABCD
KD4ZMR (+KA4ABW,KD4s TCA,TCB,KE4JNY)
10,101 245 37 L ABD

Southern Florida

KT4AL 7,654 138 43 S **ABDE**
K3NXH 767 59 13 S B
N5PIP 636 45 12 S ABD
W2VDI/4 420 27 14 S ABD
KD4JMV 360 40 9 S B
K8HRR 360 32 9 S ABCD
W4AZR 114 31 3 S **ABC**
KF4CYB 7 7 1 S A
AD4PS (KD4UBI,KE4s IEJ,RIP,VE3OSM,ops)
550 50 11 L AB
KR4U (+ops) 70 13 5 L ABD

Tennessee

KC4QWZ 44,004 287 114 S ABCDE
WB4JGG 31,684 264 89 S ABCD
AA4H 11,390 129 67 S ABCD9E
KE4JLE 2,268 80 27 S ABD
AD4F 826 53 14 S ABD
KE4UYH 360 30 12 S A
KD4HIK 325 48 5 S BD
KD4JTN (+KD4NOQ)
1,232 36 28 L BD
AE4BK (+KE4ONB)
520 50 8 L BCD
KE4GBV (+NET)
170 17 10 L AB

Virginia

K9OYD/4 45,441 310 99 S ABCD9E
W4MYA 43,700 390 95 S **ABC**
KD4UPF 32,670 263 90 S **ABCD**
AA4ZZ 30,797 232 103 S ABCD
WD8BYA 15,840 330 48 S **B**
K4FTO 12,361 206 47 S ABCD
KD4EAO 6,811 110 49 S ABDE
W4DO 6,080 102 40 S ABCDE
K4MSG 3,741 129 29 S AB
KE4PWX 1,050 50 21 S B
N4MM 833 38 17 S ABC
AD4TJ 598 46 13 S AB
K4ME 360 36 10 S B
WA4OVW 135 15 9 S A
W3FTG 84 21 4 S B
KE4VCS 44 9 4 S BD
WB4NFS (+NET)
12,870 178 55 L ABCD
KC4ZRH (+KD4KWN)
3,306 99 29 L ABCD

5

Arkansas

N5HSF 28 7 4 S **A**
KC5QBG 16 8 2 S **B**
KAØNND (+NØEOQ)
10,224 122 72 L ABD

Louisiana

N5MYH 5,544 104 44 S **ABD**
K5CZD 840 32 21 S ABD

New Mexico

K5RHR 2,925 80 25 S **ABCD**
W5DO 924 36 21 S ABD
W5IXR 697 29 17 S ABCD
WD5JMA 368 33 8 S BCD
W5FF 336 24 14 S **A**
KB5ZSK 288 23 9 S ABCD

North Texas

K9MK 14,694 184 62 S ABCD
KB5OAI 6,292 120 44 S ABCD
KB5UBE 6,150 104 25 S **ABCDEGHIP**
KK6IT 3,384 141 24 S **B**
KY5N 3,240 120 27 S AB
KC5CPP 2,484 108 23 S AB
WD5K 1,330 70 19 S **A**
KB7UIS 102 17 6 S B
K5EPL (+KC5HTM)
6,120 178 30 L ABCD

Oklahoma

WD5AGO 14,396 130 61 S **ABDE**
K5SW 10,200 117 60 S **ABCD9**
N5TML 7,314 135 46 S **ABD**

South Texas

K5LLL 22,680 226 72 S ABCD9E
KC5FMT 17,922 243 58 S ABCD
KC5FMU 14,796 218 54 S ABCD
WF8C 11,330 152 55 S ABCD
W3XO/5 4,392 96 36 S ABCD9E
N5WDK 2,492 72 28 S BD
KK5RH 2,470 95 26 S AB
K5CXU 2,220 111 20 S b
KK5OA 490 35 14 S AB
N7XX 330 26 11 S BD
W5UWB 30 5 3 S C
KB5IUA (+KC5QIT,WD5JLT)
11,580 146 60 M ABCD9E
KC5CCT (+KC5NNN,N5TZV)
14,469 224 53 L ABD
KC5FP (+KI5GO)
247 18 13 L ABD

West Texas

KK5IH (+KK5KK)
4,218 87 38 L ABCD

6

East Bay

WB6ETY 1,199 78 11 S **BCD**
NR6E 504 31 12 S **ABCD**
W6BB (KC6YEY,KD6CYZ,KE6VSQ,ops)
4,444 151 22 L ABDE
WA6PYH (+N6FQQ)
672 80 8 L BD

Los Angeles

KA3DSE/6 13,248 297 32 S **ABCD**
K8BUW 5,106 102 37 S **ABDE**
KE6AXJ 5,056 201 16 S **BCD**
WA6RAY 4,968 153 23 S ABCDE
W6IST 3,580 140 20 S ABCD
AC6FB 1,656 107 12 S BCDF
AC6EN 1,360 75 16 S ABD
KE6MAK 1,040 87 10 S BD
KN6JN 560 49 7 S BCD
KQ6AG 441 63 7 S B
KE6MAS 392 41 7 S BC
KD6FSM 308 19 11 S ABCDE
KD6UNQ 252 27 7 S BD
KK6BY 125 14 5 S BCD
KE6FOT 48 12 4 S B
KE6JLF 34 17 2 S B
W6TRW (KD6WYQ,KE6s MJU,REJ,SNF, N6ZAY,WA6MPF,AL7OU)
10,478 226 31 M ABCDE
N6RMJ (+N6XTT,WA6s DJS,JAX,WB2ODH)
118,800 562 150 L ABCD
K9AKS (+W6YLZ)
8,244 193 36 L ABC
KD6CML (+KA6PUW)
4,425 132 25 L ABCD
KE6HVH (+KE6BNL)
1,870 85 17 L ABD
KE6GVQ (+KE6GCJ)
444 36 12 L ABC

Orange

KJ6FP 22,800 222 76 S ABCD
K6IBY 12,210 145 55 S **ABCD**
WB6FCS 11,466 138 63 S ABCD
N6DN 10,575 166 47 S ABCD
K7JA 5,320 140 19 S **D**
KI6FF 3,192 152 21 S **B**
KD6NIM 2,160 107 18 S ABD
KC6UIX 1,248 78 16 S B
KD6RWI 1,140 63 15 S BCD
KE6QCB 203 25 7 S BD
KE6WOX 152 38 4 S B
KE6GFF 1,826 83 11 Q D
KE6GFI 882 66 9 Q BD
KC6TMB (+KD6DHB,KE6VAW)
9,558 131 54 L ABCD
WB6KGN (AB6KD,KB6OVN,KD6s KYL,UVN, KE6s JPO,VRK,UEH,ZKS,ops)
3,740 145 22 L ABCD

Santa Barbara

KC6WLC 5,985 103 45 S **ABCDE**
KA6ZTO 1,332 71 12 S BCD
KN6RU 4 4 1 S B
WA6IAX (KD6s AEJ,IJF,KE6s NDP,YLD,KK6UE, WB6PFW,K7SDW,N7WLC,ops)
2,624 123 16 M ABCDE

Santa Clara Valley

N6JET 2,675 81 25 S ABD
KO6CL 2,480 104 16 S **ABCDE**
KB6NAN 1,044 87 12 S **A**
KD6RFI 672 40 14 S ABD
KE6ZXR 528 44 12 S **B**
W6ISO 462 42 11 S B
WA6UAP 400 25 8 S **D**
AB6SO 896 33 16 Q ABCDE
W6OTX (AA6PA,KD6PIW,WS6W,ops)
4,160 111 26 L BCDE
KD6GPJ (+KB6TR,WA6ECI)
456 32 12 L ABD

San Diego

KE6NRO 1,368 60 19 S **ABD**
W6OYJ 351 18 9 S BI
W6PFE 306 34 9 S AB
K6IAH 84 11 7 S ABD
KE6ZLR 14 7 2 S B
KB6MEG 2,794 85 22 Q ABCD
W6RDF (KD6EFQ,KE6IEW,KB7PMW,WB7QXU, ops) 13,156 233 46 L ABCD

San Francisco

AB6QW 216 24 9 S **AB**
WA6KLK (+WD6HDY)
11,481 225 43 L ABDE

San Joaquin Valley

WB6ITM 3,705 119 19 S **ABCDE**
WJ6T 3,168 132 24 S **B**
KD6WVL 2,300 100 23 S **B**
N6IFW 1,710 95 18 S **AB**
AC6LS 637 49 13 S **B**
KK6KE 3,886 107 29 Q ABD
N5UYI (+KC6QPO,KE6IPA)
24,702 244 69 M ABCDEI
KE6TCY (KB6HRB,KC6UCN,KE6KMM,N6PLE, ops) 2,604 126 14 L BCD

Sacramento Valley

WB5OMF 16,656 252 48 S ABCDE
KJ6KO 9,234 191 38 S ABCD
KC6ZWT 6,233 208 23 S BD
N6KBX 5,022 162 31 S **AB**
KA6VQV 3,150 115 25 S ABCD
KN6WY 1,440 80 18 S B
KD6LLE 320 40 8 S B
KC7HKU 217 31 7 S B

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Arizona

KC7CAL 1,008 84 9 S **BD**
WB7OHF 440 32 11 S **ABCD**
N6QIX 330 23 11 S BD
WA9TKK 238 34 7 S B
KB7WPG 175 35 5 S B
WA9AHZ 75 11 5 S ABD
N7GJD 72 8 8 S ABD
W9SE 4 2 2 S A
WB7VVD (+KB7VCO,KC7s AED,AZC,PCV, N7VUB) 28,275 262 75 M ABCDEFIP
KE7GH (KC7OMT,KJ7DN,ops)
1,134 60 18 L ABD
KX7V (+KC7KMJ)
153 17 9 L AB

Eastern Washington

N7AUV 8,415 119 51 S **ABCDE**
N7YAP 2,016 60 28 S ABD
W7PQE 920 46 20 S **AB**
AB7IZ 715 43 13 S ABCD
KC7ITP 32 8 4 S B
KI7XD (+KB7WXC,W7FHI)
5,180 101 37 M ABCD9E

Idaho

W7ID 984 35 24 S **ABDE**
KJ7TH 858 61 11 S ABD
KA7GUX 765 39 17 S ABD
WAØDYU 600 41 12 S ABD
KC7JEK 360 53 5 S **BD**
KA7EII 340 49 5 S **BD**

Montana

W7HAH (+WA7KHO)
1,736 43 31 L ABDE

Nevada

K7ICW 4,905 87 45 S **ABCD**
KE7UV 1,364 52 22 S ABD

Oregon

N7YAG 3,978 120 26 S **ABCDE**
W7PUA 1,100 49 20 S ABD
KA7MFM 860 36 20 S ABD
N7DB 715 51 13 S ABCD
KC7FLQ 175 25 7 S B
WA7IQH (KE6VLR,KE7IK,ops)
1,870 77 22 L ABCD
KB7POR (+KB7ADH,KC7LOP,N7s NVC,VZF)
288 32 8 L ABCD

Utah

N7MLD 3,300 100 25 S **ABCD**
WA7PXD 3,151 94 23 S ABCDE
NJ7A 2,440 80 20 S **ABDE**
KA9LNP 1,632 70 17 S ABCD
N7SFT 1,292 57 17 S ABCD
WB7REL 400 20 16 S ABD
KB7TJM 108 27 4 S B
KC7KDZ 96 24 4 S B
K6XO 60 15 4 S B
KJ7HF 48 12 4 S B
WJ7L 1,036 54 14 Q ABCD

Western Washington

KE7SW 11,634 185 42 S ABCD9E
K7CW 6,920 148 40 S ABDE
W6PKW 5,797 139 31 S ABCDE
WA7OEU 3,952 132 26 S **ABC**
N7MWV 3,406 88 26 S **ABDEF**
K7VNU 2,679 120 19 S ABCD
AB7CS 1,500 55 20 S ABCDE
KH6JJK 728 42 14 S ABCD
K7ND (+KD7TS)
14,000 181 50 M ABCD9EF

8

Michigan

K8MD 62,712 336 134 S **ABCD9E**
WZ8T 52,151 325 121 S **ABCDE**
K2YAZ 46,376 263 124 S **ABCDE**
KU8P 31,150 270 89 S ABCDE
N8EDQ 26,230 220 86 S ABCDE
WD8BKM 18,265 192 65 S BDE
KØBI 18,088 193 76 S ABDE
N8MKH 10,146 148 57 S ABCD
N8PJP 7,520 127 47 S ABCD
KB8JI 5,763 90 51 S ABCD
N8CGY 3,564 99 36 S AB
N8IVW 2,625 105 25 S B
KE9QT (EN56)
2,080 42 32 S ABCD9E
AC8W 1,750 70 25 S B
K8BZ 1,416 50 24 S BD
N8YBY 1,100 55 20 S B
KB8PNS 693 57 11 S ABD
K8OT 440 37 10 S BD
KB8MBC 364 28 13 S A
N8ZVB 203 29 7 S B
KB8VNU 42 7 3 S D
KU8Y (+KA8TEW,KF8UW,NQ8A,W9TOX, WD9CHG) 73,150 472 110 M ABCD9E
WA8RLI (+KE4JDW,KB8s SQZ,VLI,YFM,ZAU, KC8AQH) 8,648 162 47 L ABD
N8OHY (+N8JYD)
3,038 83 31 L BD

Ohio

WA8WZG 391,658 812 226 S ABCD9EFGHI
KE8FD 157,874 584 193 S ABCD9E
WA4GPM 45,696 332 96 S BDE
WA8TJL 34,000 211 100 S ABCD9EF
K8MR 29,106 320 77 S ABD
WA8QNR 21,590 195 85 S ABCD
KB4TLH 17,324 193 71 S ABD
WA8RJF 10,944 162 57 S ABD9
WB8AUK 7,426 119 47 S ABD
WD8AML 6,720 120 42 S BD
WA8RCN 4,284 126 34 S AB
KB1SF 4,080 103 34 S BD
WA8SVV 3,850 110 35 S AB
N8VEA 3,500 140 25 S B
N8RPA 3,040 87 32 S ABD
N8LGP 2,580 85 30 S ABC
WA8DXB 2,520 70 36 S AB
N8CCC 2,134 72 22 S ABCD
WB8JBR 2,112 88 24 S B
NZ8O 1,846 71 26 S B
N8QQB 1,166 53 22 S AB
WA8GMT 1,120 56 20 S A
KF8VB 1,001 61 13 S BD
KB8YRI 864 54 16 S A
N8QXC 702 36 18 S ABC
K3ZAP 567 47 9 S ABCD
KI8L 481 36 13 S BD
N8TED 418 32 11 S BD
KB8RXZ 400 34 10 S BD
N8TLB 390 27 10 S ABD
KB8YKR 341 31 11 S AB
KT8U 297 27 11 S AB
KB8WZZ 265 42 5 S BD
KC8CBC 255 42 5 S BD
KA8OKC 208 35 4 S BCD
K8AIT 190 31 5 S BD
KG8TL 129 33 3 S BD
KF8EF 112 20 4 S BD

KB8TDC 99 23 3 S BD
N8LIS 96 37 2 S BD
KB8RYA 81 23 3 S BD
KB8WCV 80 35 2 S BD
N8YDM 75 23 3 S BD
W8ILC 75 18 3 S BD
KC7MCM 62 26 2 S BD
N8TQT 40 16 2 S BC
W8IDM 39 13 3 S B
KA8RIQ 36 12 2 S BD
KF8VC 30 10 2 S BD
N8HTL 20 20 1 S B
AF8C 7 7 1 S B
KB8QBM 6,160 102 44 Q ABCD
N8AXA 200 23 8 Q ABC
AA8RR 72 12 6 Q AB
N8KOL (+KB8SKT,N8WHY)
22,599 215 81 M ABCD9E
AA8BC (+KA8RPK,KB8s CQF,GUP,WFN, N8s JMK,NAK)
37,332 339 102 L ABDE
N8YHT (+KB7RRT)
16,653 203 61 L ABCD
W8BAE (KT8U,WA8SMH,ops)
5,152 126 32 L ABD

West Virginia

K2UOP/8 86,660 384 140 S ABCD9EF
N8XUR 16,884 229 63 S ABDE
WB8TFV 4,572 98 36 S BD
K3JT 3,952 85 38 S ABD
WA3HQK 1,972 68 29 S B
WG8T 1,265 55 23 S B
K8MBH 858 39 22 S B
K3ZNV/8 64 16 4 S B
W9LT 64 16 4 S B
K8OQL 4 2 2 S AB
N8TLZ (+WA8CXI)
59,081 356 131 L ABCD
N4JQQ (+ops)
12,596 150 67 L ABD
WA8DQR (+K8s DM,LG,N8DIR,WA8YCG, WD8AFJ,WF8X)
3,885 105 37 L AB

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Illinois

WD9EXD 32,720 321 80 S ABCD
WB9SNR 25,024 204 64 S BCD9EFGH
W9JGV 13,570 266 46 S **BD**
WA9CCQ 7,840 236 28 S ABCD
WD9ISG 5,600 130 35 S BD
N9TNY 5,423 157 29 S ABD
N9WRO 5,379 131 33 S ABD
N9CXO 5,184 130 32 S ABD
K9PW 4,810 130 37 S **A**
N9WJI 4,394 138 26 S ABCD
WB9IFM 3,542 150 23 S ABD
AA9LU 3,213 131 21 S BD
WA9RIJ 3,180 174 15 S ABD
WA9FIH 2,535 135 15 S ABCD
WA9CJZ 2,520 148 15 S BD
N9QXJ (EN71)
2,496 78 32 S AB
WB9QBU 2,475 76 25 S BD
WS9U 2,289 109 21 S B
N9TOK 2,142 131 14 S BD
N9KUW 2,142 132 14 S ABD
K9GJU 1,836 87 17 S ABCD
W9CEJ 1,760 110 16 S B
N9TUP 1,708 107 14 S ABD
KB9KDC 1,620 108 15 S B
W9NHX 1,584 115 12 S ABD
N2BJ 1,394 57 17 S ABCDE
N9UXP 1,378 91 13 S ABD
N9TUQ 1,300 109 10 S ABD
WB9MXX 1,066 82 13 S AB
N9USZ 901 48 17 S ABD
WA9QYX 800 90 8 S ABD
W9NSP 608 66 8 S BCD
WX3N/9 580 29 20 S AB
N9YZK 498 69 6 S BD
AK9Y 404 101 4 S B
N9QXJ (EN51) 315 31 9 S ABD
WA9ZBC 296 74 4 S B
WA9GQK 292 73 4 S B
N9SXG 280 29 7 S BD
N9RZQ 280 59 4 S BD
N9QXJ (EN51) 280 28 10 S B
W9PMJ 260 65 4 S B
WA9AXA 245 48 5 S BC
K9ENZ 190 38 5 S AB
W9REC 184 46 4 S B
W9ZZU 160 40 4 S B
K9DQU 126 12 6 S BD
N9OBE 54 9 6 S A
K9DKI 50 25 2 S B
K9ZWV 48 24 2 S B
WA9GOB 48 24 2 S B
KB9JLW 14 7 2 S B
WD8KHE (+N9KC)
14,080 192 55 L ABCD
N9WQI (+KB9s DBC,KIG,N9SMR)
930 80 10 L BCD

Indiana

KB9FZQ 26,724 200 102 S **ABCD**
N3AJX 26,001 254 81 S **BD**
K9DZE 13,115 175 61 S ABD
K9EA 10,206 140 54 S BCD
WB9DRB 4,557 74 49 S ABCD
N9RZY 4,343 101 43 S AB
WB8YFE 3,872 71 44 S ABCD
W9ESU 1,992 83 24 S B
N9WKW 1,550 50 25 S ABD
WA9NGO 1,452 66 22 S B
WY9B 912 43 19 S ABD
NA9N 544 34 16 S B
KD6RXT 513 57 9 S AB
NE9O 242 18 11 S ABD
N9TMN 209 19 11 S B
W9FZB 96 12 8 S AB
N9RJ 30 6 5 S AB
W9CGI 12 3 3 S ABD
AF9A 6 2 2 S BD
WB9CEP (+N9KZJ)
12,285 163 63 L ABCD

Wisconsin

WF9X 23,254 212 77 S **ABCDE**
WA9LWJ 17,640 201 72 S ABD
N9LMU 10,300 143 50 S ABDE
WB9VYP 8,008 158 44 S **BD**
KD9TH 7,440 122 48 S BD
KD9PW 6,150 102 50 S ABD
W9PHJ 5,002 109 41 S ABD
N9QZD 4,452 57 42 S ABDE
WD9EGE 4,200 63 40 S **ABDE**
WD9BGA 3,780 73 42 S ABD
K9VGE 3,744 104 36 S AB
KE9QT (EN65)
3,738 56 42 S ABCD9E
KE9QT (EN55)
3,502 73 34 S ABCDE
WA9LZM 3,478 85 37 S ABD
WA9HCZ 3,456 77 36 S ABD
W9YCV 3,300 80 33 S BD
KE9QT (EN45)
2,460 53 30 S ABCD9E
WA9SDA 2,448 102 24 S **A**
KA9UZW 2,436 66 29 S ABCD
W9NVK 2,376 88 27 S B
WA1UJU/9 2,275 91 25 S B
WA9PWP 2,059 71 29 S AB
W9XT 1,998 74 27 S AB
KE9QT (EN46)
1,827 48 29 S ABCD
WD9IAB 1,560 43 26 S ABDE
N9LAD 1,173 48 23 S ABC
N9AKC 1,078 48 22 S ABC
N9TSN 900 45 20 S AB
KA9JCP 858 60 13 S BCD
N9NOF 774 36 18 S ABD
N9OO 660 44 15 S B
N9WBR 589 31 19 S AB
W9KHH 585 39 15 S B
N9DDH 578 34 17 S AB
N9CIQ 578 34 17 S B
N9ROX 495 27 15 S ABD
AA9PC 480 32 15 S AB
N9WVD 378 27 14 S AB
W9KVS 315 21 15 S AB
N9MYK 140 14 10 S A
K9OSH 60 11 5 S BD
AA9AO (+KA9BXG)
42,550 261 115 M ABCDE
WA9ACI (+AA9OC,WA9SZH)
5,792 143 32 L ABDE
N9QQB (+KB9LSP)
80 20 4 L A

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Colorado

W2CRS 18,414 202 66 S ABCDE
KDØDW 11,703 143 47 S ABCD9EI
NØYGM 9,720 128 45 S ABCDE
NØIVN 7,392 159 32 S ABCDE
WØCAL 2,736 70 24 S ABCD9EI
KØGU 2,695 77 35 S **AB**
WG6K 1,890 51 27 S ABCD
KCØRP 1,885 52 29 S ABCD
WØNRI 1,672 61 22 S ABD
NØUOC 1,210 33 22 S ABDE
NØPOH 792 52 11 S BD
WAØPXF 689 53 13 S AB
NØNKG 444 31 12 S ABD
NØUGY 340 15 10 S BDEI
KBØQDK 126 21 6 S AB
K5GZ 98 12 7 S BD

Iowa

WRØG 12,012 154 78 S **AB**
KDØBT 1,386 56 21 S ABD
NØNLU 960 60 16 S B
NØSPP 117 13 9 S AB

Kansas

NØLL 59,100 272 150 S ABCDE
WØEKZ 12,160 117 64 S ABCDE
KBØHH 7,661 138 47 S ABD
NØFFO 6,255 105 45 S ABDE
KFØRB 3,300 100 33 S B
NØZHC 2,781 83 27 S ABD
WØRT 1,980 66 30 S B
KBØTIJ 1,560 61 20 S BD
NØYKR 1,440 45 24 S BDE
NØQXC 969 51 19 S B
WSØR 540 36 15 S B
KBØQMF 138 23 6 S B
NØRRY 120 24 5 S B
KBØNHD 9 9 1 S B
KFØSG 462 50 7 Q BD
NØIGZ 161 23 7 Q B
WBØDRL (+KAØKCI, NØs SGL,SMR,NOØY, WAØTKJ) 67,944 283 149 M ABCD9E
KFØM (+KIØAE)
6,427 115 53 L BCD

Minnesota

WØUC 64,540 314 140 S ABCD9EFG
WAØBWE 56,662 405 82 S **ABCD9EFGH**
KBØZQ 31,360 283 70 S ABCD9E
KBØIKP 26,352 270 72 S ABCDE
NØHJZ 18,522 263 42 S ABCD9EFI
KAØRYT 13,050 188 50 S ABCD
AJØK 11,063 227 37 S ABCD
KBØPYO 10,230 151 55 S ABCD
KAØZYD 7,776 129 48 S BD
KAØPQW 6,804 229 21 S ABCD
NØCKK 6,536 128 38 S ABCD
WBØLJC 5,016 184 22 S ABD
WØAUS 4,560 143 20 S ABCDEIP
KGØBG 3,220 113 23 S BCDG
WØOHU 3,060 116 20 S BD
KBØIXC 2,466 130 18 S ABD
WA2VOI 2,464 127 14 S ABCD
KGØQE 2,178 96 18 S BD
KAØNAN 1,950 115 13 S ABCD
WA2HFI 1,919 93 19 S ABD
KØJO 1,785 75 15 S ABCDE
KØGJX 1,776 75 16 S ABCDE
KGØBP 1,725 80 15 S ABCD
KØFQA 1,554 75 14 S AB9E
NØDCA 1,474 102 11 S ABCD9
NØYXO 1,470 86 15 S ABD
WBØMLL 1,360 112 10 S ABD
KGØQH 1,342 95 11 S ABC
NØLER 1,310 103 10 S BD
NØBSG (EN34)
1,288 85 14 S BD
KE4KE 1,150 100 10 S BD
NØQHP 1,071 84 9 S ABCD
NØQYQ 1,037 46 17 S ABCD
NØVUQ 972 78 12 S BC
NØNAS 945 111 7 S ABD
KBØNR 832 42 13 S BCDE
WØPHD 702 27 18 S ABDE
WGØD 688 59 8 S B9E
NØVUR 648 72 9 S B
KBØTEH 592 59 8 S ABD
WBØSOK 590 53 10 S BD
KBØTEI 584 66 8 S BD
NØTYE 576 55 8 S BCD
KBØUXV 552 65 8 S BD
W9IVI 497 66 7 S BD
WØLCP 492 34 12 S ABD
KBØLYL 490 98 5 S B
WBØTDN 486 72 6 S BCD
WDØHHH (EN34)
456 63 6 S BD
KBØPUW 384 64 6 S B
NØMWE 378 54 7 S AB
AAØSM 378 63 6 S B
KGØZT 325 52 5 S BD
KBØPMC 282 40 6 S BD
KBØNMN 280 56 5 S B
KBØOBT 280 7 4 S B
NØMSB 260 47 5 S BD
KBØTEF 208 52 4 S B
KBØIZZ 198 33 6 S B
KBØTEL 196 43 4 S BD
NØADQ 196 49 4 S B
KGØCV 185 26 5 S BCD
KBØHNN 180 20 6 S ABCDE
NØCET 171 19 9 S AB
WAØRLY 162 15 9 S BD
WAØWJV 156 52 3 S B
NØBSG (EN33) 144 27 4 S BD
KGØKJ 128 32 4 S B
WBØHOX 120 30 4 S B
KBØONP 116 29 4 S B
NØMGY 84 18 4 S BD
NØEJP 76 13 4 S BD
KCØA 70 35 2 S B
KCØZC 48 16 3 S B
KBØOFF 46 20 2 S BD
KBØOIS 46 23 2 S B
KAØKCO 44 22 2 S B
KØWQR 36 11 3 S BD
NØYXQ 30 8 3 S BD
WBØYEE 27 7 3 S BD
NØZSY 26 13 2 S B
KC4AVR (EN34) 26 13 2 S B
WBØLSG 18 9 2 S B
WAØTLH 13 13 1 S B
WBØISF (EN34)
10 5 2 S B
KØPSH (EN34) 10 5 2 S B
KBØRZW 8 4 2 S B
KC4AVR (EN33) 5 5 1 S B
NØHZO 4 2 2 S B
NØZDY 3 3 1 S B
KCØP 1 1 1 S B
KBØMRK (EN34) 1 1 1 S B
NØWCB (EN35)
912 82 8 Q BCD
NØWCB (EN34) 384 37 8 Q BCD
WDØHHH (EN33)
234 32 6 Q BD
WBØLJC (EN34)
160 5 4 Q FGH!
WBØLJC (EN35)
128 4 4 Q FGIP
NØPGQ 40 20 2 Q B
KØPSH (EN33) 6 3 2 Q B
NØVUQ (EN33) 6 6 1 Q B
WBØISF (EN33) 1 1 1 Q B
NØBEL (KBØs MDQ,NES)
11,346 274 31 L ABCD

Missouri

KØFF 30,976 219 121 S **ABCD**
AB4CR 23,312 157 94 S ABCD9EF
NØJEQ 11,776 129 64 S **ABDE**
WAØKBZ 8,448 115 64 S ABD
NØMMU 8,357 114 61 S ABD
WAØX 8,142 119 59 S ABD
KGØTQ 2,960 80 37 S B
KRØI 1,200 55 20 S ABD

North Dakota

NTØV 629 26 17 S **ABCDE**
KBØLXX 209 17 11 S ABD

Nebraska

KØCGJ 4,576 62 44 S **BDE**
WBØDGF 2,958 69 34 S **BD**
WDØBQM 2,788 56 34 S ABCDE
NØWJY 1,040 52 20 S B
NØAEI 520 22 20 S ABD
NØYNP 18 6 2 S BD
KBØRZP 4 4 1 S B

South Dakota

WBØHHM 4,592 83 41 S **ABCD**
W7XU 3,280 81 40 S **ABD**
NØGXA 3,135 77 33 S BD
NØQJM 1,560 51 30 S ABD
KGØMW 348 25 12 S BD

VE

Maritime-Newfoundland

VE9AA 851 37 23 S **AB**

Quebec

VE2/SMØDFP
6,156 83 38 S **BD9EF**
CF2PIJ (VE2PIF,op)
1,562 106 11 S BD
VE2LC 1,152 35 18 S **ABCD**9E
VE2BLX 10 5 2 S B
VE2CUA (VE2s DUB,HKI,ops)
5,950 112 35 M ABCD9EF
VA2MRX (+VA2s DTX,OLM,VE2s ETX,JTX)
822 110 6 L ABD

Ontario

VA3ST 30,668 266 82 S BCD
VE3KDH 21,175 277 55 S **B9E**
VE3BFM 17,990 146 70 S ABCD9EF
VE3WCB 12,000 132 48 S BDEF
VE3DHL 6,270 104 38 S ABDEF
VE3URS 5,754 96 42 S ABCD9E
VE3FHU 5,650 92 50 S ABCD
VE3TJD 4,464 119 36 S ABD
VE3SXE 3,255 86 35 S ABD
VE3OIL 1,998 77 18 S ABCDE
VE3VHB 1,495 65 23 S B
VE3GUN 1,188 65 18 S BD
VE3NPB 960 45 16 S ABD
VE3WMF 242 22 11 S B
VE3VSR 189 21 9 S B

Manitoba

VE4UM (VE4s ARN,GLS,MHZ,UK,ops)
366 54 6 L BD

Alberta

VE6KC 732 48 12 S **BD**

British Columbia

VE7XF 561 40 11 S **ABDE**

Marine Mobile

KS4KP 234 26 9 S **B**

Rovers

Atlantic

ND3F 126,155 556 115 R ABCD9E 16
KB3PW (+N2HKD)
56,320 449 49 R ABCD9EFGHIP 6
N3KKM 9,632 247 32 R ABCD 4
N1NOE 6,240 140 20 R ABCD9EFGHI 4
N2UIO 6,004 254 19 R ABCD 4
N3TUM 3,379 92 24 R ABD 7
WA3TID (+KA3YYR)
2,373 113 17 R ABCDEI 4
KB2WEU 1,892 156 11 R BD 4
AA2LQ 1,464 171 8 R BD 2
N2VTE 1,440 32 12 R ABCD9EFI 4

Central

WB9EEA 41,541 446 66 R ABCD9E 5
K9JK 32,076 367 54 R ABCD9E 6
KF9US 11,041 154 61 R ABD 4
N9PBA (+KE4LVQ)
7,480 153 44 R ABCD 8
N9UIZ 3,009 147 17 R BCD 6
N9DEX 1,320 123 10 R BD 4
WØAIH 896 30 16 R ABCD9EFG 2
N9YZK 186 31 6 R B 2
N9NLO 176 16 11 R AB 2
K9ENZ 165 33 5 R B 2
KF9YR 54 9 6 R AB 4

Dakota

NØSUO 8,000 242 18 R BD 7
KGØZT 640 54 10 R BD 4
KCØP 486 54 9 R B 4
NØMWH 324 25 6 R BC9I 3
KBØMRK 105 21 5 R B 3

Delta

KF4AJO (KB4IDC,KQ4TV,ops)
6,800 109 50 R ABCD 7
KB4NVD (+KD4EDL)
1,344 48 21 R ABCD 3
AC4LS (+KY2P)
1,300 52 25 R AB 4
KE4WUT 30 15 2 R B 2

Great Lakes

WZ8D 47,112 398 78 R ABCDE 11
N8ZCA 3,429 127 7 R B 7
N8FUJ 2,890 67 34 R ABC 6
KB8TRP 405 26 15 R ABD 6

Hudson

N2LBT (+N2OJY)
12,958 205 31 R ABCD9EFGHIJ 3
AA7QZ 8,492 133 41 R ABDEF 3
N2MNZ 5,474 125 34 R BD 14
N2YCA 2,826 119 18 R ABCE 2
KB2QPU 2,375 114 19 R BC 4
W2ARQ 715 37 13 R ABCD 2
KB2VZP 40 13 2 R BD 1

Midwest

AJØE (+KØTLM)
25,742 258 61 R ABCD9E 10
KAØYSQ 13,083 107 49 R AB9EF 5
KØDAS 7,498 133 23 R ABD9EF 6
WYØC (+KBØPHS)
780 44 13 R BD 2
KØFPC 176 16 11 R B 3
WØJRP 10 5 2 R B 2

New England

K1DS 9,657 91 35 R ABCD 2
WA1NIE 908 84 12 R 9EFGI 2
KQ1V 450 45 10 R AB 5

Northwestern

KA7YOY 6,888 129 34 R ABCD 8

Pacific

NC7K 52,966 599 71 R ABD 13
KM6RH 9,750 118 55 R BCDE 5
N6OBP (KC6PLM,KO6EC,ops)
4,264 164 26 R BD 9
N6ZKV 3,818 83 46 R B 4
KE6TID 2,552 100 22 R ABD 4
N6TQS 803 32 11 R BDE 2
KN6PE 396 53 6 R BD 2

Roanoke

WA3WJD 11,270 202 49 R ABD 8
ND3A 8,920 180 40 R ABCD 6
N4YZJ 3,416 112 28 R ABD 6

Rocky Mountain

NØLRJ 3,510 89 27 R ABCDE 4
NØUGY 408 51 8 R BDEI 2

Southeastern

WB4VNT 6,516 148 36 R ABD 7
KM4HY (+KE4GVY)
4,676 134 28 R ABD 7
KD4SUI 176 22 8 R B 3
K4GSX 144 18 4 R B 4

Southwestern

N6NB (+N6MU)
47,656 371 74 R ABCDE 8
N6MI 26,050 282 50 R ABCDE 8
K6LMN 17,424 295 44 R ABCD 6
KQ6CG (+KN6OW)
13,286 319 26 R BCD 5
WA6FIT 4,640 150 20 R BCD9 2
K1FJM/6 (+KD6FOT)
1,680 120 10 R AB 4
KE6YKS 210 12 14 R BD 5

West Gulf

N5BA 960 51 15 R ABCD 2
KC5PTC 288 25 3 R B 3

Canada

VE6VEM (+VE6NTT)
1,806 68 21 R ABD 6
VE3GBA 1,278 71 18 R B 5
VE6RAC (VE6s MT,SRC,ops)
1,232 78 14 R ABD 4

Checklogs

K1ZZ, KA3RHU, KC4LHU, N6AJ, WA6ILT.