

2003 September VHF QSO Party Results

What a difference a week makes...

Of all the VHF contests, the September contest offers the greatest opportunity for diverse propagation enhancement. Aurora, tropospheric ducting, and E-skip have all occurred in past September contests. In particular, September is a prime month for tropospheric ducting in much of North America. And September 2003 didn't disappoint with outstanding tropo conditions the weekend *before* this year's contest! Tropo conditions from the Midwest to the Southeastern US and later to the Northeast allowed for record setting DX conditions.

Alas, those conditions did not hold for the contest. Colder, rainy weather prevailed for much of the Eastern half of the country on the contest weekend ending any chance for tropo ducting. While the weather in the Western US was better, competitors generally noted average conditions. Eric, N7EPD did find some enhancement in the Pacific Northwest helping him achieve a new Division record score. And, some New England stations noted tropo ducting to the Canadian Maritime Provinces. Otherwise, as Pete, K9PW (operator at LM K9NS) noted conditions were "average" throughout the country.

tal of 18 all-time Division records were set this year. And, the average top 10 score in several categories was significantly higher in 2003 versus 2002. Jim, W4RX, noted great activity levels and the

number of rovers as among the reasons helping his Division-record effort. On the West Coast, K6MI had a big score increase as national leader in single operator portable. John found the Rovers to be

COURTESY AE7RW



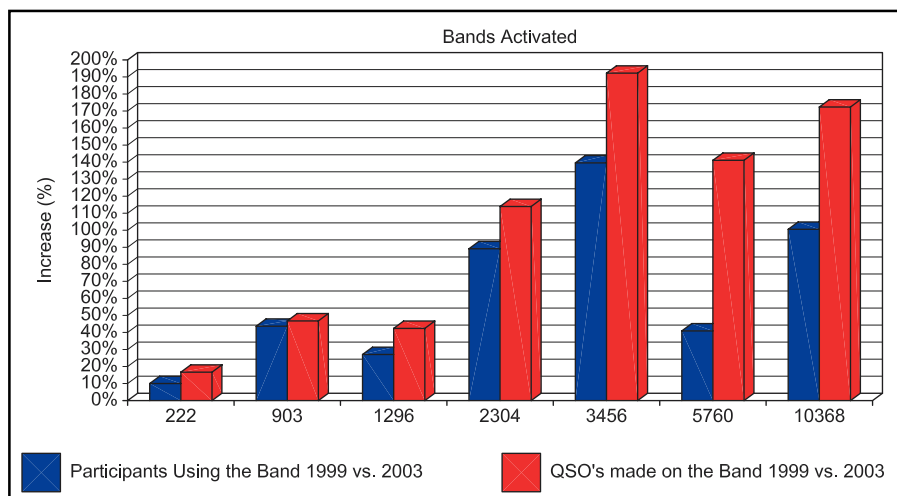
Chuck, AC7QN, operates the W7DK station on 144 MHz SSB with Mt Rainier looming in the background.

2003 Summary

Submitted logs were 521 versus 534 in 2002. Despite the level activity and lack of propagation enhancement, a to-

Expanded Results, Line Score Printouts Available

For complete contest results on-line, please visit www.arrrl.org/contests/results. ARRL members without Internet access may obtain a printout of the complete line scores by sending a self-addressed, stamped envelope to ARRL Contest Results, 225 Main St, Newington, CT 06111. Please be sure to include the contest name and year.



Top Ten

Single Operator, Low Power	Single Operator, High Power	Single Operator, Portable	Limited Multioperator	Multioperator	Rover
K1TR 211,662	K3EAR 562,848	K6MI 87,300	K3YTL 381,684	W2SZ 1,830,686	N6NB 378,756
K2DRH 186,504	(KA1ZE, op)	K1ZE 34,776	W3SO 375,947	K1WHS 947,961	N6MU 309,510
N1DPM 123,424	K1TEO 535,800	KF0Q 27,056	K9NS 310,308	W2FU 653,250	W3IY 306,459
WB1GQR 103,897	K1RZ 424,410	N7OEP 10,000	AA4ZZ 276,089	N2PA 333,579	W6TOI 198,669
(W1SJ, op)	W4RX 314,825	KA0TP 7,236	W4IY 210,188	W9ICE 156,996	N6TEB 176,326
K4TO 80,106	WA2FGK 256,360	N8XA 7,176	K8CC 140,686	N2NK 150,547	N6DN 142,710
AF1T 76,505	(K2LNS, op)	WB0LJC 5,236	WV8E 127,942	N8KOL 127,534	(+logger)
K5MA 76,049	KM0T 190,080	W9GKA 5,192	W3OR 117,450	W3KWH 120,960	N0DQS 102,440
KB8U 70,626	K1GX 156,672	KQ6EE 4,292	W1OK 110,898	W2EA 109,864	VE3OIL/R 81,190
WA3GFZ 57,680	K2SMN 135,840	KA1LMR 4,250	N8ZM 110,094	K3EOD 107,965	Ni6M 76,985
KT8O 54,692	WB9Z 112,969				K0PG 72,921
	W0GHZ 108,188				

Regional Results

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 Sections)		
K1TR 211,662	A		W4SHG 32,200	A		K2DRH 186,504	A		KT8O 54,692	A		VE7DXG 46,632	A	
N1DPM 123,424	A		W4WA 28,392	A		K4TO 80,106	A		N0KP 32,850	A		WA7JTM 20,370	A	
WB1GQR 103,897	A		KD4HIK 22,878	A		KB8U 70,626	A		K0MHC/0 23,800	A		K7MI 18,340	A	
(W1SJ, op)			N4KFT 17,457	A		N9DG 41,106	A		W0JT 20,971	A		KC6ZWT 17,100	A	
AF1T 76,505	A		K0VXM 11,221	A		KE8RO 29,014	A		N0LL 7,076	A		KF6KDA 8,400	A	
K5MA 76,049	A													
K3EAR 562,848	B		W4RX 314,825	B		WB9Z 112,969	B		KM0T 190,080	B		AF6O 53,010	B	
(KA1ZE, op)			K4QI 102,087	B		K8TQK 106,577	B		W0GHZ 108,188	B		N7EPD 34,342	B	
K1TEO 535,800	B		K2UOP 80,798	B		K8MD 74,176	B		K5LLL 20,382	B		K6TSK 31,284	B	
K1RZ 424,410	B		KE8FD 54,229	B		K9EA 73,386	B		K0CJ 19,832	B		W6KBX 21,070	B	
WA2FGK 256,360	B		KE2N 34,602	B		W9GA 65,962	B		N0URW 19,502	B		WA7TZY 15,618	B	
(K2LNS, op)														
K1GX 156,672	B													
K1ZE 34,776	Q		K4SV 3,540	Q		N8XA 7,176	Q		KF0Q 27,056	Q		K6MI 87,300	Q	
KA1LMR 4,250	Q					W9GKA 5,192	Q		WB0LJC 5,236	Q		N7OEP 10,000	Q	
WB2AMU 2,220	Q					N8OBB 99	Q		N0HJZ 222	Q		KA0TP 7,236	Q	
WA2BAH 864	Q											KQ6EE 4,292	Q	
W8IJ 80	Q											K7TM 602	Q	
K3YTL 381,684	L		AA4ZZ 276,089	L		K9NS 310,308	L		VO1NO/W0 2,675	L		AD6IJ 22,650	L	
W3SO 375,947	L		W4IY 210,188	L		K8CC 140,686	L		N5XYO 2,013	L		VA7MM 3,248	L	
W3OR 117,450	L		WV8E 127,942	L		N8ZM 110,094	L		N0KIS 1,204	L		W2VJN 2,244	L	
W1QK 110,898	L		W4NH 86,564	L					AB5K 555	L		W7DK 2,212	L	
N3JFM 91,450	L		W4LJS 22,720	L								KE6GFI 637	L	
W2SZ 1,830,686	M		K4EJQ 39,750	M		W9ICE 156,996	M		W0EEA 18,830	M		W6MMM 38,320	M	
K1WHS 947,961	M		WD4OAR 16,425	M		N8KOL 127,534	M		W5LCC 7,392	M		KF6YYV 24,354	M	
W2FU 653,250	M		AG4V 4,074	M		N2BJ 92,950	M		KC0IYT 4,836	M		N6ZE 5,504	M	
N2PA 333,579	M		N4JQQ 2,592	M		K9RN 66,045	M		KA0MR 4,005	M		W6TE 5,453	M	
N2NK 150,547	M					NG9R 10,988	M		W5AC 3,060	M				
N2MH 55,755	R		W3IY 306,459	R		VE3OIL/R 81,190	R		N0DQS 102,440	R		N6NB 378,756	R	
WA2IID 32,472	R		N4FLM 20,736	R		K0PG 72,921	R		W0AMT 42,877	R		N6MU 309,510	R	
W3HMS 27,720	R		KG4LEV 15,364	R		K9ILT 72,468	R		KI0SK 4,898	R		W6TOI 198,669	R	
KB1EKZ 23,246	R		NT4L 8,316	R					N5RUX 3,808	R		N6TEB 176,326	R	
K2QO 15,372	R		AA4GA 6,400	R					K0NY 2,646	R		N6DN 142,710	R	
			K9JK 39,675	R								(+logger)		
			WB8BZK 26,609	R										

“the life of the party,” providing half his QSOs and multipliers. Newer modes of operation such as WSJT are also helping competitors increase their scores.

Without a doubt, one of the biggest changes impacting VHF contesting scores is the number of bands activated by participants. Looking at the last five September contests shows that total QSOs made by all log submitters has stayed fairly level (though log submissions are down). However, QSO points are up a good deal. The use of 50, 144 and 432 MHz, the three bread and butter bands, has stayed relatively flat over the last five years. The vast majority of contesters are on 6 and 2, and over three-quarters consistently operate

on 432. But the other bands have seen increases in usage and in some cases an explosion of activity! Looking at the chart on the previous page, we see a nice increase in 222 MHz participation and large increase on 903 and 1296. From 2304 MHz on up the rates show nearly double the number of participants and in some cases more than double. And, QSO totals on these bands are up even a larger percentage. The availability of equipment for these bands has clearly made a difference and as is typical on VHF and above, activity breeds activity. Ever creative and energetic VHF contesters continue to find ways to keep their scores going up and at the same time multiplying the fun!

Nationwide Perspective

It took a much higher score to place near the top of each category in 2003 versus 2002 results. 2001 Low power champ K1TR came back to regain the title from 2002 leader, K2DRH. Ed and Bob both topped DRH's September 2002 score in a close battle. The SOLP category was highly competitive this year with average scores up nearly 50% for the top-ten. And the tough competition was widespread—six new Division records were set in this category. Great job guys!

In the Single-op High power category, Stan, KA1ZE, operating the K3EAR station in Southeastern Pennsylvania, took

top honors and set a new all time record for single ops in the process. With the help of station owner Walt, WA1HHN, Stan reconfigured the usually multioperator station to allow a single operator, 12 band effort. Stan combined his excellent operating skills honed over many successful VHF contest efforts with the great station to set the record without the benefit of enhanced conditions. Congratulations Stan! K1TEO gave Stan a battle with his second place finish and defending champ K1RZ placed third setting a new personal record with his effort. The top five all scored over a quarter-million points as the competition really heated up this time. Special note to KM0T, WB9Z and W0GHZ for making the top 10 from the Midwest despite poor conditions in their area of the country.

Defending champ K6MI led the way in the single op portable category, more than doubling his score from the prior year. K1ZE beat MI's 2002 score to finish second. In his third try at the category, KF0Q finished third.

The Limited Multioperator category saw the closest competition of the categories as K3YTL defeated their Pennsylvania challengers at W3SO by a razor thin 6000 points. Hats off to both groups for a great job! The Easterners better watch out in the future as HF superstation competitors from the Midwest are challenging from K9NS and K8CC. And the boys from the mountains of NC, at AA4ZZ saw their score go up 40% from 2002 to hold on to fourth place for the second straight year.

In the Multioperator category, the MGEF group at W2SZ did it again with a winning effort of over 1.8 million points. They were chased by an outstanding effort from Down East with Dave and his crew at K1WHS improving their score by over 60% from the prior year. A major effort at improving the microwave setups at the WHS site really paid off, with outstanding grid totals on the bands at their location. The Rochester VHF Group was well represented in this category as W2FU repeated their third place 20002 standings and N2PA was fourth. The W9ICE group moved up a few notches to place fifth this year.

The rover category saw great competition this year as 3 stations broke the 300k barrier! Wayne, N6NB, led the way breaking the all-time record with over 378k. Travelling companion N6MU finished second just ahead of W3IY. Com-

Affiliated Club Competition

Medium Category

North East Weak Signal Group	2,317,932	20
Potomac Valley Radio Club	1,687,673	23
Rochester VHF Group	716,636	10
Society of Midwest Contesters	662,447	14
Northern Lights Radio Society	611,179	22
Yankee Clipper Contest Club	403,522	6
Mt Airy VHF Radio Club	325,328	5
Carolina DX Assn	288,316	4
South Jersey Radio Assn	212,753	4
Mad River Radio Club	172,436	5
Contest Club Ontario	171,068	10
Pacific Northwest VHF Society	160,254	19
Badger Contesters	152,207	11
Western States Weak Signal	115,982	8
Northern California Contest	88,115	4
Tennessee Contest Group	25,860	3
Lawton Fort Sill ARC	6,128	8

Local Category

Delaware Valley VHF Society	96,837	5
Rappahannock Valley Amateur	69,790	3
Dominion DX Group	28,881	4
Dauberville DX Assn	5,849	3

petition was fierce in this category, especially in California with 6 of the top 10 scores from W6-land.

Regional Highlights

Regional top scores are summarized in the accompanying table. Additional detailed breakdowns are available in the web report.

Northeast Region

As usual, top Northeast scores are highly competitive on the national level. In addition to scores noted in the national summary, SOLP stations N1DPM, WB1GQR, AF1T and K5MA were among the overall Top 10, as were WA2FGK and K1GX in the SOHP category, W1QK in Limited Multioperator and Multioperators W2EA and K3EOD. N2MH led the rovers in the Northeast with a score of 55k.

Southeast Region

W4SHG led the way in the SOLP category followed closely by W4WA. SOHP station K4QI just missed a National top-10 score with 102k. The ML category was especially competitive in the Southeast with AA4ZZ, W4IY and WV8E all among the national leaders.

Central Region

In addition to K2DRH's national no. 2 score for SOLP, K4TO and KB8U were no. 5 and no. 8 respectively. SOHP was very competitive with Jerry WB9Z topping Bob K8TQK by 6k. N8XA and W9GKA fought it out for top SO- Portable, with XA

winning by a narrow 2k. LMs K9NS, K8CC and N8ZM and Multioperators W9ICE and N8KOL made the national top 10. VE3OIL led the way for Rovers in a close victory over K0PG and K9ILT.

Midwest Region

KT8O led the way for SOLP and managed to make the National top 10 list as did KM0T and W0GHZ for SOHP. KF0Q had a fine effort in SO- Portable followed by WB0LJC. W0EEA led the multiops while Gene, N0DQS, did his usual great job to lead the rovers breaking the 100k mark, followed by W0AMT.

West Coast Region

VE7DXG's excellent 46k score topped the SOLP category followed by WA7JTM, K7MI, and KC6ZWT. AF6O led the SOHP category, while the AD6IJ and W6MMM crews topped LM and Multioperator, respectively. N7OEP, KA0TP and KQ6EE, all part of the national top 10, followed K6MI's winning SO-portable effort. The West Coast rovers really shined with five 100k plus efforts out of the region from N6NB, N6MU, W6TOI, N6TEB and N6DN.

Affiliated Club Competition

This year 21 clubs competed for the bragging rights in the Medium and Local categories. For several years the Potomac Valley Radio Club has finished first with the Northeast Weak Signal Group placing second. Without the big score usually provided by the K8GP Multioperator station (they sat it out this time) the NEWS Group was able to surpass the PVRC to take top honors. The Rochester VHF Group, Society of Midwest Contesters and The Northern Lights Society all finished tightly bunched in third-fifth for the Medium Category. The Delaware VHF Society took top honors in the Local category.

The name of the game in VHF contesting is to get on the bands and have fun. And getting on even more bands appears to add to the fun as noted earlier. So, as we head to spring and summer, figure out what band to add to your station and increase the fun in the 2004 September contest. And, keep your fingers crossed that perhaps enhanced conditions will land on the *right* weekend this year! But one thing is for certain, you gotta be in it to win it—and have fun! See you on the bands this summer.

QST

Scores

Each line score lists call sign, score, stations worked, multipliers, hours, number of grids activated (if Rover), and bands (A = 50 MHz, B = 144 MHz, C = 222 MHz, D = 432 MHz, 9 = 902 MHz, E = 1296 MHz, F = 2304 MHz, I = 10 GHz). Call signs of Division leaders and band indicators are listed in boldface type. A = Single Op Low, B = Single Op High, Q = Single Op Portable, L = Limited Multi, M = Multi-Multi

1									
Connecticut									
KA1KOJ	2,449	64	31	A	ABD				
K1DJW	1,292	68	19	A	AB				
W1ORS (K1TMW, op)									
	560	35	16	A	AB				
W1DMM	448	28	16	A	AB				
WA1GTP	400	19	16	A	ABCD				
WA1AM	65	13	5	A	A				
K1TEO	535,800	1071	300	B	ABCD9EFGHI				
K1GX	156,672	586	153	B	ABCD9EFGHI				
K1UHF	108,129	551	133	B	ABCDEFI				
WZ1V	61,716	361	111	B	ABCDDEFG				
KF6AJ	38,280	319	87	B	ABCD				
WA1FVJ	1,430	59	22	B	ABD				
K1QNF	1,127	49	23	B	AB				
N1SXL	1,024	64	16	B	B				
K1ZE	34,776	280	84	Q	ABCD9E				
W1QK (+W1NG, W0BR, N1ABY, N1SYG, K1PHG, N1GS)	110,898	762	122	L	ABCD				
KB1DFB (+NB1U, KB1H, N1XS)									
	32,526	324	78	L	ABCD				
W1XX (+K1JX)	9,604	196	49	L	AB				
Eastern Massachusetts									
K5MA	76,049	511	113	A	ABCD				
W1PM	52,221	330	103	A	ABCD9E				
N1LDY	31,242	282	82	A	ABCDE				
WG1Z	25,418	245	71	A	ABCDE				
N1GJ	25,228	236	68	A	ABCDEF				
KA1EKR	13,923	153	63	A	ABCD				
N1FDX	1,702	74	23	A	AB				
N1BC	1,500	63	20	A	ABD				
K1VU	840	36	20	A	ABD				
N1VQR	658	42	14	A	ABD				
N1VUX	160	13	10	A	ABD				
K1YA	144	24	6	A	A				
W1GHZ	40,020	302	87	B	ABCD9E				
W1FKF	14,818	126	62	B	ABCD9EFGHI				
K1SG	1,475	59	25	B	AB				
W1MV (N1JOU, N1JFU, ops)									
	5,760	107	36	L	BCD				
N1MPT (+KA1EZH)									
	1,292	68	19	L	AB				
W1XM (KB1CGZ, KT1D, W1GSL, KB1GRS, KD1KY, KC6F, ops)									
	65,043	426	99	M	ABCD9EF				
Maine									
W1BQ	10,252	164	44	A	ABCDE				
N4CW/1	1,000	50	20	A	AB				
K1PV	420	20	15	A	ABCDE				
KV1J (+K01I)	43,520	407	85	L	ABCD				
K1WHS (+W1SD, W1MRQ, WA1MBA, WA1T, W2PED, W0LD, K1DG, K1DY, K0ZK, N1LBI, N2CEI, N2EOC)									
	947,961	1483	369	M	ABCD9EFGHIJ				
New Hampshire									
K1TR	211,662	613	198	A	ABCD9EFGHI				
AF1T	76,505	394	107	A	ABCD9EFGHIP				
AC1J	12,826	172	53	A	ABCDE				
WA1Z	3,072	128	24	A	AB				
W1OA	2,059	64	29	A	ABCD				
N1JHJ	1,400	49	25	A	ABCD				
NE1B	1,311	48	23	A	ABD				
KU2A	16,531	154	61	B	ABCD9EFG				
WW1Z	7,175	127	41	B	ABCD9				
KA1LMR	4,250	111	34	Q	ABCD				
K1NKR (+W1RDB)									
	1,240	41	20	M	ABCDE				
Rhode Island									
WB2VVV	1,265	36	23	A	ABCD9EF				
W1CPC	1,134	41	21	A	ABCD				
W1BAT	800	50	16	A	A				
Vermont									
WB1QQR (W1SJ, op)									
	103,897	742	107	A	ABCD				
Western Massachusetts									
N1DPM	123,424	455	152	A	ABCD9EFGI				
N1VOR	1,140	60	19	A	B				
W1RZF	36,693	338	81	B	ABCD				
N1MUW	7,844	107	53	B	ABCD9E				
2									
Eastern New York									
WB2SIH	48,694	337	97	A	ABCD9E				
WA1RKS	2,852	77	31	A	ABCD				
KA2MCU	583	37	11	A	ABD9				
W2IX	91	13	7	A	A				
W3HHN	22,040	185	76	B	ABCD9E				
WA2IWW	460	36	10	B	ABDE				
K2PK	429	25	13	B	ABCD				
WA2BAH	864	51	12	Q	ABD9				
NYC-Long Island									
N2FKF	43,450	400	79	A	ABCD				
KB2NOW	3,936	91	32	A	ABCDE				
KF2XF	1,620	81	20	A	B				
N2MCY	13,098	160	59	B	ABCDE				
WB2AMU	2,220	66	30	Q	ABCD				
W2RAK (WB2BXO, N2GOT, K2KEY, WW2W, ops)									
	1,512	63	24	L	AB				
Northern New Jersey									
K2KIB	37,728	279	96	A	ABCD9E				
K2QM	31,218	288	86	A	ABCD				
K2AMI	12,528	162	58	A	ABCD				
W2VTV	4,200	92	40	A	ABD				
WB2CUT	4,082	157	26	A	B				
WA2NXK	861	35	21	A	ABD				
W2BT	702	54	13	A	B				
WB2IDV	663	51	13	A	B				
WA2BKN	480	32	15	A	A				
KC2LSU	216	27	8	A	B				
WN2A	60	12	5	A	B				
W2JEK	555	37	15	B	AB				
N2NK (WD3R, N2WM, N2IEL, N2HMM, WB2UFF, K2BM, ops)									
	150,547	775	151	M	ABCD9E				
Northern New York									
N2YEV	6,533	113	47	A	ABD				
Southern New Jersey									
W2MMD (N2NRD, op)									
	30,552	362	76	A	ABD				
KC2KGZ	3,240	108	30	A	AB				
W2MC	1,372	48	28	A	ABD				
K2SMN	135,840	546	160	B	ABCD9EF				
K1JT	98,277	573	123	B	ABCDE				
K2TXB	86,640	424	120	B	BDEI				
K3EOD (+K3EGE, W2SJ, WR3P)									
	107,965	510	143	M	ABCD9EFP				
Western New York									
W2WGL	6,250	100	50	A	ABD				
K2OS	4,290	110	39	A	A				
WB2WPM	4,050	68	50	A	ABD				
K2OEQ	2,624	73	32	A	ABD9				
WA2ZNC	966	34	23	A	ABCD				
KB2NFS	280	28	8	A	ABCD				
W9KXI	209	15	11	A	BD				
N2JMH	23,407	156	89	B	ABCD9EFGI				
KB3WL	18,530	159	85	B	ABCD				
NJ2L	4,500	75	36	B	ABCD9EFG				
K2WNY (K2SM, K2UD, op)									
	2,380	57	35	L	ABD				
W2FU (+K2DH, N2WK, K2AXX, K2DB, K0SM, W09S)	653,250	1196	335	M	ABCD9EFGHIJKP				
N2PA (W2JSG, N2VSZ, W3OAB, N2JQR, N2KG, N2YB, ops)									
	333,579	880	251	M	ABCD9EFGHIJL				
K2IWR (KB2LUV, N2MRE, KC2GIL, KC2HKB, ops)									
	493	19	17	M	BCD				
3									
Delaware									
WA3WUL	312	26	12	A	A				
W3OR (+N3EXA, N3OEG, N3UUB)									
	117,450	673	135	L	ABCD				
4									
Alabama									
KU4WW	6,650	112	50	A	ABD				
AF4OD	1,150	49	23	A	ABD				
AJ4W	108	12	9	A	AB				
Georgia									
W4WA	28,392	231	91	A	ABCD				
W4AMP	120	12	8	A	ABCD				
W4EUH	10,143	121	63	B	ABCD				
Kentucky									
K4TO	80,106	274	169	A	ABCD9EFGHI				
W4FVQ	4,753	62	49	A	ABCDE				
5									
Western Pennsylvania									
W3BBO	3,542	71	46	A	ABD				
AA3GM	2,870	58	35	A	ABCDE				
W3ZZO	627	33	19	A	AB				
N3EBT	11,431	135	71	B	ABD				
W8IJ	80	8	8	Q	ABD				
WB0IWG	24	6	4	Q	AB				
W3SO (WR3Z, W3BTX, K4VV, K2PLF, AI3M, K3IXD, K3RUQ, W3PAW, KD3SA, W3TEF, W3YOZ, ops)									
	375,947	1208	239	L	ABCD				
K8FH3 (+K8QAE)									
	33,800	284	100	L	ABD				
W3KWH (N3LL, N3UUZ, W3SVJ, W3LA, W3IOH, WA3TTS, WA3VXJ, AI3J, KA3DPU, ops)									

North Carolina
 WB4TLX 8,786 155 46 A **ABD**
 KT4HN 3,306 86 38 A **ABD**
 K4QI 102,087 410 171 B **ABCDE**
 WA4SSP 1,911 71 21 B **ABD**
 K4SV 3,540 108 30 Q **ABD**
 AA4ZZ (+AA4S, K2SD, K4DXA, W4GRW, W4WJF, W4YN)
 276,089 1043 209 L **ABCD**
 W4NH (K2JB, K4AR, K4SZ, K4TW, K5AND, KE4PJW, NX9O, W4KXY, W4SKI, ops)
 86,564 511 134 L **ABCD**
 W4LJS (+K4SCH)
 22,720 314 64 L **ABD**
 WD4OAR (AE4BK, W4ORS, WA4JIL, WD4DES, KG4AQW, KG4BOD, KG4RPU, WA4NIV, N4CLD, AE4FC, ops)
 16,425 212 73 M **ABCD**

Northern Florida
 KE4KVV 4,830 115 42 A **AB**
 KU4WD 2,904 66 33 A **ABCD**
 KE4YYD 861 38 21 A **BD**
 KG4KVZ 570 32 15 A **ABD**
 NW5E 12,276 132 66 B **ABCDE**
 W2BZY 8,466 104 51 B **ABCD9EF**
 N3AWS 4 2 2 Q **B**

Puerto Rico
 KN4SM 18,286 178 82 B **ABD**

South Carolina
 KE8FD 54,229 299 127 B **ABCD9EF**

Southern Florida
 K0VXM 11,221 119 49 A **ABCD9EFGHIJ**
 WB3DPR 18 6 3 B **AB**
 K4GFG (+N4CU)
 520 31 13 L **ABD**

Tennessee
 KD4HIK 22,878 206 82 A **ABCD**
 K8WW 9,966 123 66 A **ABCD**
 W4BCU 6,384 115 38 A **ABCDE**
 WN4M 2,730 78 35 A **AB**
 WA4YRK 2,072 59 28 A **ABD**
 AD4F 324 22 12 A **ABCD**
 AA4H 5,520 100 40 B **ABCD9E**
 K4EJQ (+WB4WEN)
 39,750 243 106 M **ABCD9EFGHI**
 AG4V (+packet)
 4,074 62 42 M **ABCDE**
 N4JQQ (+packet)
 2,592 50 36 M **ABCDE**

Virginia
 W4SHG 32,200 248 92 A **ABCDE**
 N4KFT 17,457 200 69 A **ABCD**
 K4FJW 8,316 146 44 A **ABCD**
 K4PUF 7,672 102 56 A **ABCD**
 N2BMN 6,486 114 47 A **ABD**
 K4FTO 6,390 107 45 A **ABCD**
 N4DWK 3,648 96 38 A **AB**
 KB8VLI 3,168 99 32 A **AB**
 WF4R 2,380 49 34 A **ABD**
 K4MSG 2,204 76 29 A **AB**
 N4MM 1,458 54 27 A **AB**
 N4EDE 1,375 45 25 A **ABD**
 WM3T 874 38 23 A **AB**
 W4NEZ 266 19 14 A **AB**
 N4JED 114 16 6 A **BD**
 W4BNO 104 12 8 A **ABD**
 W4RX 314,825 648 257 B **ABCD9EFGHIJ**
 KE2N 34,602 336 79 B **ABCD**
 K4WYS 3,444 73 41 B **ABD**
 W2YE 1,273 67 19 B **A**
 K2EVW 629 37 17 B **B**
 W4IY (WA0DYJ, W4AD, W4DAV, K8MLM, N3NSO, N4NRO, KG4HTL, AA4SI, K5VG, K4RG, KC8SRJ, W7IY, ops)
 210,188 930 187 L **ABCD**

5
Arkansas
 K0XXX 48 7 6 B **ABD**

Mississippi
 W8FR 2,695 65 35 A **ABD**

New Mexico
 NK5W 384 25 12 A **ABD**
 N5XZM 1,491 55 21 B **ABCD**
 K5AM 912 32 24 B **ABCD**

North Texas
 NM5M 2,783 103 23 A **ABCD**
 AA5AM 153 16 9 A **ABD**
 N5IT 2,322 86 27 B **B**

Oklahoma
 W5SSG 2,128 64 28 A **ABD**
 K5WPN 1,280 60 20 A **ABD**
 NE0P 1,012 40 23 A **ABD**
 NH6CJ 290 27 10 A **ABD**
 AD5NK 27 9 3 A **AB**
 N5PYU 12 6 2 A **AB**
 AG5R 4 4 1 A **B**
 NL7CO 2,278 67 34 B **B**

South Texas
 W5PR 1,008 53 18 A **ABD**
 KM5RG 912 36 19 A **ABD**
 AJ4F 216 24 9 A **AB**
 KA5EYH 153 15 9 A **ABD**
 NA4M 144 18 8 A **AB**
 K5IX 75 14 5 A **ABD**
 WA5UFH 15 5 3 A **B**
 KA5GLX 4 4 1 A **A**
 K5LLL 20,382 169 79 B **ABCD9EFG**
 W3XO 17,208 165 72 B **ABCDE**
 K5VH 12,992 119 64 B **ABCD9EFGI**
 AB5K (+N5UXT)
 555 37 15 L **A**
 W5AC (N5PYK, N5GQB, ops)
 3,060 60 30 M **ABCD9EFGHI**

West Texas
 N5XYO (+N5WDX)
 2,013 47 33 L **ABD**
 W5LCC (KC5OBX, KB5KYJ, KB5UOP, KC5MVZ, N5RNY, KD5QMN, KC5QKV, ops)
 7,392 96 56 M **ABCDE**

6
East Bay
 W6OMF 7,228 88 52 A **ABCDE**
 WZ6Z 342 28 9 A **BD**
 KE6QR 275 21 11 A **ABD**

Los Angeles
 K6HLH 7,396 113 43 A **ABDEFG**
 KG6GIQ 6,864 134 39 A **ABCD**
 KG6DHQ 3,150 84 30 A **ABD**
 K6LMN 1,957 88 19 A **ABCD**
 KQ6EE 4,292 109 29 Q **ABCDE**
 AD6IJ (+KF6XA, AC6TK)
 22,650 338 50 L **ABDE**

Orange
 AF6O 53,010 383 95 B **ABCD9EF**
 K6TSK 31,284 277 66 B **ABCDE**
 KE6GFI (+KE6GFF)
 637 34 13 L **ABD**

Santa Barbara
 W6WE 1,449 44 23 A **ABCDE**
 KE6RCI 1,157 76 13 A **BD**
 K6NBI 672 42 16 B **AB**
 K6MI 87,300 484 97 Q **ABCD9EFG**
 N6ZE (+K6GUE)
 5,504 126 32 M **ABCD9**

Santa Clara Valley
 KF6MXK 1,628 54 22 A **ABCD**

San Diego
 KF6NKC 2,448 71 24 A **ABDE**
 WB6MFW 231 21 11 A **AB**
 KG6HSQ 200 25 8 Q **B**

San Francisco
 W6MMM (WA6OEM, WD6HDY, WA6KLK, KD6LTB, ops)
 38,320 334 80 M **ABCDE**

San Joaquin Valley
 KF6KDA 8,400 170 35 A **ABCD**
 KF6CNV 7,562 147 38 A **ABCDE**
 KF6YYV (+K0DI)
 24,354 266 66 M **ABCDE**
 W6TE (+K6ALE)
 5,453 75 41 M **ABCD9EF**

Sacramento Valley
 KC6ZWT 17,100 200 60 A **ABCD**
 W6QB 506 40 11 A **ABD**
 NC6P 198 15 11 A **ABD**
 W6KBX 21,070 202 70 B **ABCDE**

7
Arizona
 WA7JTM 20,370 207 70 A **ABCDE**
 N7IR 2,175 58 25 A **ABCDE**
 W0RRR 35 7 5 A **AB**
 KJ7V 24 5 4 A **BD**

Eastern Washington
 N7CFO 5,670 77 45 A **ABCD9EF**
 W6LLP 280 23 10 A **ABD**
 K7AWB 84 10 6 A **ABCD**
 K7TM 602 31 14 Q **ABCD**

Idaho
 W7USB 5,412 93 41 A **ABCDE**
 K0IP 180 16 9 A **ABD**
 K7SMA 66 11 6 A **AB**
 W7MEM 5,412 99 41 B **ABCDE**

Montana
 NW7O (+WA7KHO)
 4 2 2 L **AB**

Nevada
 W7GK 493 26 17 A **ABD**

Oregon
 K7MI 18,340 202 70 A **ABCDE**
 W7QH 4,572 96 36 A **ABCD**
 N7DB 4,257 107 33 A **ABCD**
 WR7X 2,975 80 35 A **ABD**
 KA6T 2,100 82 21 A **ABCD**
 K7HSJ 275 20 11 A **ABCDE**
 KA0TP 7,236 166 36 Q **ABD**
 W2VJN (+N6LF)
 2,244 57 34 L **ABD**

Utah
 N7DBW 546 28 14 A **ABCDE**
 NJ7A 533 30 13 A **ABCDE**
 WJ7L 160 13 8 A **ABDE**

Western Washington
 W7GLF 6,222 124 34 A **ABCDE**
 WB7FJG 1,098 54 18 A **ABD**
 KG7P 952 45 17 A **ABCD**
 K7JUS 176 22 8 A **AB**
 N7EPD 34,342 286 77 B **ABCD9EFG**
 WA7TZY 15,618 199 57 B **ABDE**
 KE7SW 14,238 132 63 B **ABCD9EFGH**
 WB7BST 306 17 6 B **E**
 N7OEP 10,000 125 50 Q **ABCD9E**
 N9SX 3 3 1 Q **B**
 W7DK (AC7QN, KB6OKS, AE7RW, ops)
 2,212 68 28 L **ABD**

Wyoming
 AC7AF 12 3 3 A **ABD**

8
Michigan
 KB8U 70,626 303 149 A **ABCD9EFI**
 KF8QL 21,488 192 79 A **ABCD9E**
 N8ZVB 944 59 16 A **A**
 W8RU 612 27 17 A **ABCD**
 N8LIQ 378 21 18 A **AB**
 WA8YLZ 95 18 5 A **ABD**
 K8MD 74,176 336 152 B **ABCD9EF**
 K2YAZ 37,908 202 117 B **ABCD9EF**
 N8GX 1,350 50 27 B **AB**
 K8CC (+K9TM, N5TU)
 140,686 613 182 L **ABCD**

Ohio
 KE8RO 29,014 263 89 A **ABD**
 K8MR 28,254 211 102 A **ABCD**
 W8PAT 24,400 160 100 A **ABCDE**
 W8DD 2,880 62 40 A **ABD**
 W8IDM 1,058 35 23 A **ABD**
 KB8UUZ 646 38 17 A **A**
 W8WTS 4 2 2 A **A**
 K8TQK 106,577 311 197 B **ABCD9EFGHI**
 WA8RJF 56,964 253 141 B **ABCD9EF**
 K8TVU 19,929 156 91 B **ABCD**
 W8GG 2,210 65 34 B **A**
 KB8YJY 399 21 19 B **AB**
 N8XA 7,176 81 52 Q **ABCD9EI**
 N8OBB 99 11 9 Q **B**
 N8ZM (+KD8FO, W8PLZ, N8IDS, KB8ZR)
 110,094 495 177 L **ABCD**
 N8KOL (+K8ROX, WM8I, N8LIS)
 127,534 497 187 M **ABCD9EF**

West Virginia
 K8KFJ 1,748 46 38 A **AB**
 KC8KSK 858 28 26 A **ABC**
 K2UOP 80,798 370 142 B **ABCD9EF**
 K2PQI 2,065 51 35 B **ABD**
 WV8E (+K2EKM, K8GUN, KB8UUE, N3JDR, N8II, N8RAT, W3STU, W8CMK, WB8EKG)
 127,942 731 142 L **ABCD**

9 Illinois
 K2DRH 186,504 518 228 A **ABCD9E**
 KO2R 12,354 142 58 A **ABDE**
 KR8L 5,671 72 53 A **ABCD**
 N9TF 4,448 105 32 A **ABCD**
 AB9H 3,904 102 32 A **ABDE**
 N9OBB 3,198 69 39 A **ABD**
 AH6EZ/W9 2,457 76 27 A **ABD**
 KB9II 1,470 60 21 A **ABC**
 KB9YSI 1,197 50 21 A **ABD**
 N9OF 850 50 17 A **AB**
 W9SE 252 18 14 A **AB**
 WK9O 140 20 7 A **B**
 W9LYA 140 17 7 A **ABD**
 KB9WQJ 32 6 4 A **ABD**
 WB9Z 112,969 466 173 B **ABCD**
 K9SM 8,526 98 58 B **ABCD**
 W9JGV 1,083 57 19 B **B**
 W9GKA 5,192 87 44 Q **ABCD**
 K9NS (AA9D, K9DX, K9HMB, K9PW, W9RM, ops)
 310,308 1053 228 L **ABCD**
 N2BJ (+K2PAC)
 92,950 462 130 M **ABCD9EF**
 NG9R (+N9DT, N9JF)
 10,988 114 67 M **ABCD**

Indiana
 WA1MKE 26,010 162 102 A **ABCD9E**
 K9GPS 5,824 82 52 A **ABCD**
 N7NGO 2,628 61 36 A **ABD**
 W9THD 221 17 13 A **AB**
 K9EA 73,386 341 151 B **ABCD**
 W9ICE WB9YCZ WB8ERB N8NQG N8JLZ K9ZX
 N9QQY KA9BFM KB9NWP KB9YOJ
 156,996 538 196 M **ABCD9E**

Wisconsin
 N9DG 41,106 293 102 A **ABCD**
 K9MU 14,392 184 56 A **ABCD9E**
 KB9PJL 13,440 146 60 A **ABCD9E**
 K9DQ 7,987 129 49 A **ABCD**
 KC9BQA 6,762 147 46 A **AB**
 W9RAY 4,704 99 32 A **ABCD**
 KB9Q 3,395 71 35 A **ABCD**
 WA1UJU 3,300 110 30 A **AB**
 N9ISN 2,240 59 28 A **ABCD**
 N9TTX 1,776 69 16 A **ABCD**
 K9VS 1,575 63 25 A **AB**
 N9NDP 1,040 52 20 A **AB**
 W9GA 65,962 373 118 B **ABCD9E**
 N0AKC 20,732 180 71 B **ABCD9E**
 K9RN (N9REP, K9TMS, KB9JZY, KC9BTW, K9IJ, K9YR, AA9IL, KC9AAX, KC9AER, ops)
 66,045 405 111 M **ABCD9EIP**

0 Colorado
 N0POH 4,128 98 32 A **ABCD**
 W6OAL 9,300 124 50 B **ABCD9EFGHI**
 VO1NO/W0 (+K2LCT, KC9EMW, K0GIE)
 2,675 86 25 L **ABDE**
 W0EEA (+N9BD, K0KHZ)
 18,830 167 70 M **ABCD9EFGIJ**

Iowa
 KM0T 190,080 382 220 B **ABCD9EFGHIJP**
 N0URW 19,502 145 98 B **ABCD**

Kansas
 N0LL 7,076 81 61 A **ABCD**
 W0RT 4,700 74 47 A **ABCD**
 W0EKZ 6,496 81 56 B **ABCD**
 K0UO 1,596 42 28 B **ABD9E**
 KA0MR (+KA0KCI)
 4,005 63 45 M **ABCD**

Minnesota
 KT8O 54,692 287 113 A **ABCD9EI**
 N0KP 32,850 199 90 A **ABCD9EFG**
 K0MHC/0 23,800 175 85 A **ABCD9EFG**
 W0JT 20,971 192 67 A **ABCD9E**
 KB0LYL 3,402 189 18 A **B**

KB0TBA 1,095 46 15 A **ABCD9**
 W0OHU 72 12 6 A **AB**
 W0YC (N0YNT, op)
 1 1 1 A **B**
 W0GHZ 108,188 371 148 B **ABCD9EFGHI**
 K0CJ 19,832 167 74 B **ABCD**
 W0ZQ 18,602 135 71 B **ABCD9EF**
 K0AWU 14,070 142 70 B **ABCD**
 WB0VGI 455 31 13 B **ABC**
 KF0Q 27,056 210 76 Q **ABCD9EFG**
 WB0LJC 5,236 98 28 Q **ABCD9EFGHI**
 N0HJZ 222 27 6 Q **ABCD**
 KC0IYT (+K05EMB)
 4,836 105 31 M **ABCD**

Missouri
 WA0FQK 16 8 2 A **A**

North Dakota
 K0UD 54 7 6 A **ABD**

Nebraska
 N0KIS (+W00BGZ, N0WJY)
 1,204 42 28 L **ABD**

South Dakota
 K0HW 300 16 12 A **ABDE**

Quebec
 VE2HDQ 308 22 14 A **B**
 VA2TOS 273 21 13 A **AB**
 VE2XX 9,075 109 55 B **ABCD9E**

Ontario
 VE3KZ 23,004 241 81 A **ABD**
 VE3TMG 13,593 157 69 A **ABD**
 VE3CVG 13,130 129 65 A **ABCD**
 VE3SMA 10,443 109 59 A **ABCD9EF**
 VE3AJV 9,164 121 58 A **ABDE**
 VE3VZ 8,250 128 50 A **ABCD**
 VE3SXE 5,550 100 50 A **ABD**
 VA3KA 5,096 70 52 A **ABCD**
 VE3XK 3,420 73 38 A **ABD**
 VA3NFA 3,094 76 34 A **ABCD**
 VE3HHT 2,277 52 33 A **ABCD**
 VA3TSG 580 58 10 A **AB**
 VA3OR (VE3RCN, op)
 551 29 19 A **AB**
 VE3URL 39 12 3 A **ABD**
 VE3TFU 54,054 275 126 B **ABCD9E**
 VE3FGU 26,235 210 99 B **ABD**
 VE3BFM 18,360 128 85 B **ABCD9E**
 VE3OJN 1,166 37 22 B **ABCD**
 VE3RM 400 25 16 B **A**

British Columbia
 VE7DXG 46,632 360 87 A **ABCD9EF**
 VE7FO 705 45 15 A **ABD**
 VA7MM (VE7CMK, VE7CNF, ops)
 3,248 83 28 L **ABDE**

Bermuda
 VP9N0JK 49 7 7 A **A**

Rovers Atlantic
 W3HMS 27,720 214 66 3 **ABCD9EFGHIJ**
 K2QO 15,372 169 63 4 **ABCD**
 WA3PTV 10,363 130 43 3 **ABDEGI**
 N2OPW 5,697 95 27 5 **ABCD9EFGHI**
 K3LFO 4,978 110 38 3 **ABD**
 KE3HT 4,158 54 33 6 **ABCD9EFGH**
 N2GKM 3,876 65 34 6 **ABCD9EFGHIJ**
 KG4IDG 2,688 83 28 2 **ABD**

Central
 K0PG 72,921 430 109 12 **ABCD9EP**
 K9ILT 72,468 433 108 12 **ABCD9EP**
 K9JK 39,675 343 75 10 **ABCD9E**
 WB8BZK 26,609 315 59 10 **ABCD**

Dakota
 W0AMT (+K0LBT)
 42,877 418 53 10 **ABCD9EF**
 K0NY 2,646 90 21 4 **ABDE**

Delta
 N4FLM 20,736 212 72 11 **ABCD**
 WB4ECR 2,268 55 36 4 **ABD**
 WA4JA 252 21 12 4 **AB**

Great Lakes
 KB8VAO 8,736 100 56 4 **ABCD9EFGHI**

NE8I 2,850 50 38 2 **ABCD**
 KC8HZM (+KC8HZQ)
 1,118 38 26 6 **ABD**
 W8LON 468 26 18 2 **B**

Hudson
 N2MH 55,755 373 105 10 **ABCD**
 WA2IID (+KB2SSS)
 32,472 224 72 6 **ABCD9EFGHI**
 KJ1K (+WB2VVQ)
 12,996 127 57 7 **ABCD9EFGHI**
 KC2HIZ 7,392 105 32 6 **ABD9EFGHIJ**
 WB2LLP 4,440 72 24 6 **BCD9EFGHIJ**
 KC2IRO 2,751 48 21 6 **BD9EFGI**
 KA2UPW 756 54 14 2 **B**
 KM2O 693 41 11 2 **ABCD**

Midwest
 N0DQS 102,440 463 104 14 **ABCD9EFGHIJP**

New England
 KB1EKZ 23,246 195 59 8 **ABCD9EFGH**
 WB1AUV/R8,920 174 40 2 **ABDI**
 N1FGY (+K2LM)
 8,022 91 42 4 **ABCD9EFGHI**
 KB1EAA (+KB1EUH)
 3,888 84 36 2 **ABCD**
 KB2HQ 1,176 29 21 3 **ABCD9EFGH**
 KC2GMW 273 17 13 2 **ABCD**

Northwestern
 W7DHC (+XYL)
 59,185 412 89 10 **ABCD9EFG**
 K3UHF 34,196 281 83 11 **ABCD9E**
 W7GHZ 7,956 87 52 2 **ABCD9EFG**
 KB7PSG 2,212 69 28 6 **ABCD**
 W7ZZT 1,547 49 17 4 **ABCD**

Pacific
 N6NB 378,756 807 189 16 **ABCD9EFGHI**
 N6MU 309,510 635 181 16 **ABCD9EFGHI**
 NI6M (+AE6GE)
 76,985 487 89 18 **ABCD**
 K7WWA (+WB9NJS)
 58,651 407 89 13 **ABCD**
 KC6SEH 34,780 349 74 12 **ABCD**
 KG6GMT 2,784 74 32 6 **ABD**
 WB7QBO 336 22 14 2 **ABD**

Roanoke
 W3IY (+ON4IY)
 306,459 963 153 11 **ABCD9EFGHIJ**
 KG4LEV 15,364 246 46 6 **ABCD**
 NT4L (KB4IDC, KG4NRC, ops)
 8,316 141 42 5 **ABCD**
 W4WNT 135 11 9 2 **ABCD**

Rocky Mountain
 KI0SK (+N0BAF)
 4,898 124 31 11 **ABD**
 WB2FKO 646 34 19 6 **AB**
 KC0TW 455 27 13 2 **ABD**
 K0NR (+KA0DEH)
 231 15 11 2 **ABD**

Southeastern
 AA4GA 6,400 121 40 4 **ABCD**

Southwestern
 W6TOI (KE6HPZ, N6RMJ, ops)
 198,669 692 141 9 **ABCD9EFGIL**
 N6TEB (+WB6JDH)
 176,326 653 131 10 **ABCD9EFGIL**
 N6DN (+logger)
 142,710 567 134 11 **ABCD9EFGI**
 KC6UIX 6,669 87 57 4 **ABCD**
 W6KA (KJ6NO, KG6KJN, ops)
 2,862 77 27 3 **ABDE**
 W3DHJ 1,008 48 21 6 **AB**

West Gulf
 N5RUX (+K05EUM)
 3,808 107 34 14 **ABD**
 WD0ACD (+K5FOG)
 2,425 70 25 4 **ABDE**
 AF5Q 377 22 13 4 **ABCD**

Canada
 VE3OIL/R (+VE3NPB)
 81,190 464 115 2 **ABCD9EFG**
 VE3CRU 5,778 106 54 4 **ABD**
 K7MDL/VE71,869 68 21 4 **ABCD**