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By **Billy Lunt, KR1R**
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and
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Assistant Contest Manager

The 1996 ARRL September VHF QSO Party Results

What happened to those fantastic band openings we had in June? What a difference a few months can make! You can bet that nobody was talking about the enhanced band conditions this time around. There definitely was more complaining than raving.

Actually band conditions were about average for the September contest. We just were spoiled because of the exceptional band conditions that we enjoyed in the June VHF QSO Party. During the September VHF QSO Party, there were a few pretty good openings on 6 and 2 meters.

Six meters probably had the best band opening. This comes as no surprise, as 6 meters is the band that "stretches out" if it opens. There were a few small openings reported from the Northeast to Texas and Oklahoma. From Colorado, you could work a few stations on the West Coast, in the Midwest and down to Texas. These long-range contacts were good for about 1000 to 1400 miles between stations, but most contacts were in the 600-mile range.

Two meters was about the next best—as one would expect. Nothing really unusual here either. Again, there were a few openings from the Northeast to the Midwest and to the South.

Despite mediocre propagation, there were *eight* new division scoring records set in the contest this year—two single operator,

Top Ten

Single Operator		QRP Portable		Multioperator		Limited Multioperator		Rover	
WA8WZG	375,192	KH6CP/1	77,274	W2SZ/1	653,116	K3MQH	442,750	ND3F	84,447
K9PW	280,370	W8HAX/3	29,946	K3YTL	360,985	N2XTX	136,644	WB9SNR	76,600
K1RZ	202,350	KK6KE	18,525	N8FMD	357,776	WB2ODH/6	119,990	WA8NJR	62,252
KE8FD	137,609	WN8ATM	7,546	W4IY	273,265	AA4ZZ	106,386	K9JK	58,800
N2CEI	126,861	N8KWX	7,470	N2ODK	228,818	KB2DMK	96,678	AA7QZ	54,510
N2BJ	116,870	N8AXA	3,744	WD3R/2	146,765	WB1GQR	89,349	WA3WJD	32,370
KD1DU	113,875	VE2PIJ	3,198	K1WHS	146,265	K2AA	69,184	WA2VOI	20,304
W8ULC	106,470	KC8BUN	2,100	KP4XS/W4	120,393	N9LAG	51,680	N1RMU	18,732
WB2DNE	105,696	KB7VML	1,515	WØUC/9	92,040	N1GPY	51,339	AB4CR	17,820
W3IP	88,494	KT4GG	770	KBØZQ	90,896	NO2T	43,494	KC4ZRH	16,464

John, AD4DG's, antenna array for 50 through 1296 MHz and his operating position.

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)		
K1RZ	202,350	S	K2UOP/8	57,040	S	WA8WZG	375,192	S	WD5BKV	47,790	S	KE7SW	19,500	S
N2CEI	126,861	S	N4KWX	45,248	S	K9PW	280,370	S	WAØBWE	40,514	S	WB5OMF	18,502	S
KD1DU	113,875	S	K4QIF	38,352	S	KE8FD	137,609	S	K9MK/5	40,140	S	WB4AYE	16,638	S
WB2DNE	105,696	S	KC4QWZ	36,736	S	N2BJ	116,870	S	KDØDW	38,480	S	KJ6KO	16,536	S
W3IP	88,494	S	KD4UPF	29,637	S	W8ULC	106,470	S	WQØP	34,768	S	WB6FCS	14,475	S
KH6CP/1	77,274	Q	KT4GG	770	Q	WN8ATM	7,546	Q	KB7VML	1,515	Q	KK6KE	18,525	Q
W8HAX/3	29,946	Q				N8KWX	7,470	Q				WA6FIT	748	Q
VE2PIJ	3,198	Q				N8AXA	3,744	Q				KE6JTH	550	Q
WB2AMU	570	Q				KC8BUN	2,100	Q				VE7PKE	518	Q
W8IJ	63	Q				K8NFT	276	Q				KC7MSB	432	Q
W2SZ/1	653,116	M	N8FMD	357,776	M				WØUC/9	92,040	M	N5UYI	27,531	M
K3YTL	360,985	M	W4IY	273,265	M				KBØZQ	90,896	M	KE6QHR	25,260	M
N2ODK	228,818	M	KP4XS/W4	120,393	M				W2CRS	22,540	M	KC6TEU	21,518	M
WD3R/2	146,765	M	AE6E	11,524	M				W3XO/5	14,874	M	N6OBP	14,688	M
K1WHS	146,265	M	KD4TJN	3,159	M							KC6WLC	6,191	M
K3MQH	442,750	L	AA4ZZ	106,386	L	N9LAG	51,680	L	KK5IH	10,220	L	WB2ODH/6	119,990	L
N2XTX	136,644	L	W4CMA	18,815	L	KU8Y	43,340	L	KGØWA	4,788	L	KA3DSE/6	36,708	L
KB2DMK	96,678	L	KD4ZMR	15,392	L	AA8BC	38,796	L	W5EHM	1,460	L	WA6KLK	30,114	L
WB1GQR	89,349	L	W4PYM	10,285	L	NI9E	20,907	L	W5TC	825	L	W6TOI	23,499	L
K2AA	69,184	L	KF4KVH	5,088	L	KB4EBP	17,220	L	KC5HNI	700	L	W6RDF	8,778	L
ND3F	84,447	R	WA8NJR	62,252	R	WB9SNR	76,600	R	WA2VOI	20,304	R	AA7VT	12,600	R
AA7QZ	54,510	R	WA3WJD	32,370	R	K9JK	58,800	R	AJØE	8,586	R	KA7YOU	4,301	R
N1RMU	18,732	R	AB4CR	17,820	R	N9UTZ	9,682	R	KBØSME	5,830	R	K6LMN	2,610	R
N1ISB	14,313	R	KC4ZRH	16,464	R	WB9TIY	6,840	R	NØSWV	5,700	R	KE6HGV	2,214	R
N3LJK	13,380	R	KF9US	11,960	R	WA9LZM	1,323	R	KK5RH	5,005	R	K6SMH	1,744	R

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Billy Lunt, KR1R, Goes Roving

By Al Brogdon, K3KMO

Billy Lunt, Contest Branch Manager at ARRL HQ, is a contester of long standing. The 1996 ARRL National Convention, which he was to attend, was on the weekend of the ARRL September VHF QSO Party. Billy decided at the last minute that he just *had* to get in on the contest, even if only in a small way. Here is the true story of Billy's small way.

Billy made his decision to, as he puts it so well, "join in the contest fun" at the last minute. He checked with several of his ham friends, and learned that John Hennessee, N1KB (KJ4KB until Gate 2 opened) would lend him an ICOM IC-502 and IC-202. These sister transceivers, for 6 meters and 2 meters, respectively, are neat little rigs that were made in the 1970s. They are a little smaller than a *Webster's New Collegiate Dictionary*, and have their own built-in whip antenna and batteries. Perfect for packing in a bag to fly to Peoria.

A quick check showed that the NiCd batteries in the rigs were dead, and neither Billy nor John had a quick-charger available. Billy went to a local discount store to buy alkaline C cells to use in place of the NiCd's. He needed 18 batteries (9 for each radio). The least expensive way to buy the C cells was in *eight*-packs. Naturally. (If anyone needs some cheap C cells, contact Billy.)

Billy packed the two rigs in his checked baggage, so as not to make the security guards at the airport nervous. He just hates it when guys with guns get nervous. The travel went well (at least on the outgoing trip), and Billy checked into his hotel in Peoria.

Billy hadn't taken any antennas other than the rig's built-in whips. After all, he was going to be in a *tall* hotel. Actually, he was on the sixth floor of a tall hotel. Oh, well.

Contest time rolled around. Billy's schedule on the convention program allowed him to leave the convention and go to his hotel room to check the bands. CQ. CQ CQ. CQCQCQcontest. Nothing heard. On either band. Back to the convention.

After the end of the convention's Saturday schedule, Billy went back to the hotel. More CQs. No reply. No one heard. On either band.

Then Billy found W1AW/9 on 6 meters. A block away—*great* signal. Didn't exchange signal reports, but Billy reports that, because of his low signal at W1AW/9, "It was not an easy contact." W1AW/9 was *not* on 2 meters. More CQs. Nothing heard. On either band.

Dinner. More CQs. Still nothing heard.

Sunday morning. More of the same. Off the air and pack the bag.

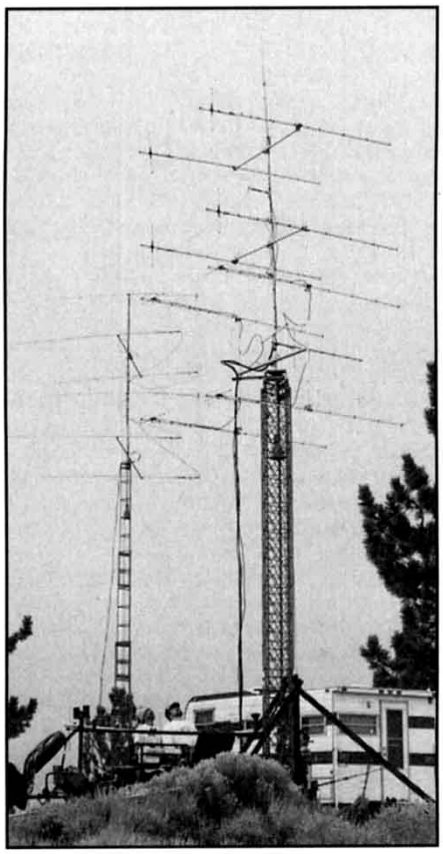
Billy then had a less-than-nominal flight home—a canceled flight, rebooking on standby status, a possible five-hour layover, checking to see if the bag would be diverted to the new flight, running through a terminal building to catch a plane, and the bag arriving okay. As the *last* bag on the conveyor belt.

When Billy got home, there were a only few hours left in the contest. Not being content with only one contact, he unpacked the 6-meter rig and went to the second floor of his house for maximum antenna elevation. CQ. CQCQCQCQ. The band sounded just like Peoria.

Wait a minute! There's powerhouse W2SZ/1 on Mt Greylock, pinning Billy's meter. Billy called. Called again. And again. Billy used all his contesting expertise and pileup trickery. The W2SZ/1 operator didn't get the call sign, but tentatively asked, "Is that you, Billy? KR1R?"

Roger, roger, roger. FN32. Foxtrot november thu-reeee twooooo. After a few repeats, W2SZ/1 acknowledged the grid for a completed contest contact, then asked, "How come you're so weak, Billy?"

So Billy was a rover, operating from two grids. He made 2 contacts for 2 QSO points, worked 2 grids, and activated 2 grids as a rover. His score: 2×(2+2) = 8 points. But just ask him if he had fun!



Michael, W6YLZ, and Jim, WB2ODH, check out their antenna farm for 144 and 432 MHz, just before they raise the towers to wait for the contest to start.

two QRP portable, one multioperator, and three rover. (*The ARRL Contest Yearbook* has the complete score records for ARRL contests.)

One sure way to increase your score is to add a band or two to your contest arsenal. Quite a few people have been taking advantage of this idea. In fact, there were more stations who reported that they were active on every single band this year compared to those reporting the same during the 1995 contest. Although the number of stations on each band increased, we didn't increase the number of bands used. Who's going to be the first to report contest QSOs on the five bands from 47 GHz through 241 GHz? We have a few stations trying 300+ GHz already—five stations this year; four stations in 1995. There is a whole new frontier just waiting for you microwave enthusiasts and experimenters to test your skills and lead the way.

Walter, AJ6T, reported making his most interesting QSO on 300+ GHz, with Jim, WB9AJZ, on the other end. They completed a 14-mile laser QSO across Silicon Valley using a 5-mW solid-state 670-nm pointer laser.

The Participation Pin Program continues to be very popular. All it takes to qualify for this shiny unique pin is to complete at least 25 QSOs during the contest period. These pins are becoming collector's items—showing up on hats, shirts and vests at club meetings, hamfests, and conventions. *Over half* of the participants in this year's event (435 hams) wanted a pin for their collection. The Participation Pin Program is designed to draw newcomers into the contest, and it is doing just that. We received a number of first-time entries from newcomers to the September VHF QSO Party this year.

In the single operator category, Tom, WA8WZG, outdistanced all others for the win—with his 375,192 points setting a new overall score record for the contest. Tom, from his great station location looking across Lake Erie into the Rochester area, keeps cranking out win after win. Great going Tom! Peter, K9PW, operating from EN52, placed in second place with 280k points. Dave, K1RZ, finished third with 202k points.

ARRL Senior Lab Engineer Zack Lau, KH6CP/1 (now W1VT) blew away all other QRP Portables by a 47k margin. Zack set an all-time scoring record for QRP portable last year with his 101,140 points. He couldn't match his record this year, but not for lack of trying. Zack finished with 77k points. Burton, W8HAX/3, gave it his all from portable location in MDC, finishing in second place with 29k points. Bryan, KK6KE, finished third with 18k points.

Dick, WA2AAU, and his Mt Greylock W2SZ/1 crew took multioperator top honors again this year with 653k points. They are fortunate to have such a great crew and such

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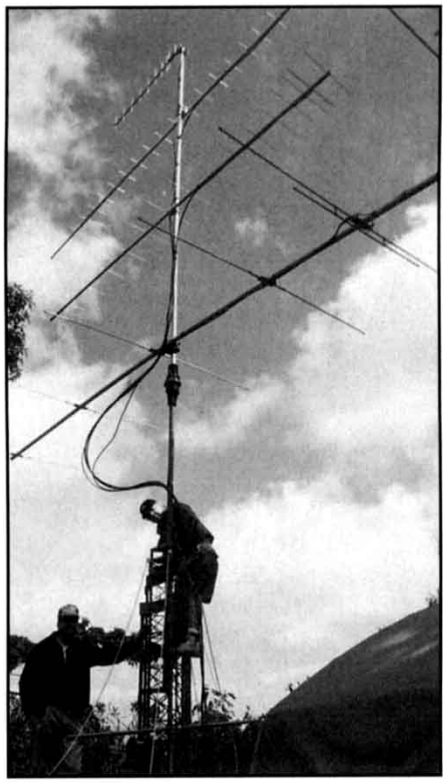

Paul, AA4ZZ (l), and Ted, WA4VCC (r) put some finishing touches on their 50 through 432-MHz antennas. They operated limited multioperator from EM96 in Western NC.

QSO Leaders By Band

Single Operator/QRP Portable

50 MHz		144 MHz		222 MHz		432 MHz		902 MHz		1296 MHz	
N2CEI	228	KD1DU	318	WA8WZG	95	WA8WZG	132	WA8WZG	58	WA8WZG	71
N1MIA	169	K1RZ	282	N2CEI	85	K9PW	131	K9PW	33	WA4VHF	60
KC4UCE	156	K9PW	282	K9PW	78	K1FO	129	K1RZ	33	K9PW	46
WA8WZG	137	WB2QOQ	270	K1RZ	75	K1RZ	123	KD1DU	26	K1RZ	43
WA2WQZ	136	N2CEI	265	KD1DU	74	KE6GFF	98	W3IP	23	W3IP	41
K9PW	134	WA4GPM	254	KH6CP/1 -Q	68	N2CEI	98	KE8FD	22	KD1DU	32
W1XX	129	NX2Q	233	KE8FD	61	N2BJ	97	WB2DNE	21	WB2DNE	32
K1RZ	127	N2BJ	226	N2BJ	60	WB2DNE	90	N3NGE	19	KE8FD	30
N2TMT	114	W8ULC	201	K5MA	60	KD1DU	90	WB2YEH	19	KH6CP/1 -Q	29
K5MA	113	WB2CUT	201	W8ULC	58	K5MA	85	N2BJ	19	KB3PD	29
WB2DNE	92	KE8FD	190	WB2DNE	57	KE8FD	84	KH6CP/1 -Q	18	WB2YEH	25
KD1DU	91	WB2DNE	189	W3IP	54	KH6CP/1 -Q	82	WB3JYO	18	N3NGE	25
K8MR	85	WB2VVV	185	WB2VVV	54	K4QIF	75	WA3JUF	17	N2BJ	25
KM1X	83	WA8WZG	174	N1FUS	47	N3OPM	73	WF9X	15	WA3JUF	25
W3EP	83	W3IP	171	K3GNC	46	W8ULC	70	WB2VVV	15	K2UOP/8	24
										WB3JYO	24
										K4QIF	24
										N4KWX	24

Multioperator

50 MHz		144 MHz		222 MHz		432 MHz		902 MHz		1296 MHz	
W2SZ/1	405	K3MQH -L	643	K3MQH -L	165	K3MQH -L	277	W2SZ/1	57	W2SZ/1	72
K3MQH -L	398	K3YTL	538	W2SZ/1	144	N8FMD	239	K3YTL	38	K3YTL	49
N2XTX -L	250	W2SZ/1	507	WB2ODH/6 -L	143	W2SZ/1	165	W4IY	28	W4IY	38
K3YTL	244	N8FMD	473	K3YTL	119	K3YTL	149	N2ODK	26	N2ODK	37
W4IY	224	W4IY	425	N8FMD	95	WB1GQR -L	143	WD3R/2	21	N8FMD	29
N8FMD	221	WD3R/2	372	WB1GQR -L	92	N2ODK	128	N8FMD	21	K1WHS	28
WD3R/2	215	WB1GQR -L	367	W4IY	80	WB2ODH/6 -L	128	KB0ZQ	15	KE6QHR	24
WB1GQR -L	190	N2ODK	344	N2ODK	71	W4IY	118	K1WHS	15	WD3R/2	23
N2ODK	183	K2AA -L	312	K2AA -L	70	N2VOT -L	113	W0UC/9	8	W0UC/9	17
KB2DMK -L	181	N2XTX -L	308	N2VOT -L	70	N9LAG -L	106	KP4XS/W4	8	KB0ZQ	15
W1QK -L	178	NO2T -L	304	KB2DMK -L	65	KB2DMK -L	103	W3XO/5	7	WA6KLK -L	14
KP4XS/W4	160	K1WHS	294	K1WHS	60	AA4ZZ -L	101	W2CRS	1	N5UYI	13
K1WHS	158	W1QK -L	291	AA4ZZ -L	56	K1WHS	93			N6OBP	12
AA4ZZ -L	156	AA4ZZ -L	244	N9LAG -L	55	WD3R/2	82			K1MUJ -L	11
K2AA -L	150	WB2ODH/6 -L	241	WD3R/2	51	WA6KLK -L	78			KP4XS/W4	10
										KC6TEU	10

Q denotes QRP Portable
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	74	W8ULC	59	KE8FD	37	KE8FD	41	WA8WZG	21	WA8WZG	22
N2CEI	51	KE8FD	57	W8ULC	34	W8ULC	39	K9PW	18	K9PW	21
K9PW	43	K9PW	50	WA8WZG	34	K4QIF	39	K1RZ	17	K1RZ	19
WA8WZG	41	K4QIF	48	K9PW	32	K9PW	39	N2BJ	14	WA4VHF	19
W8ULC	37	K1RZ	48	K1RZ	31	WA8WZG	38	KE8FD	14	W3IP	16
K1RZ	33	WA8WZG	48	N2BJ	28	K1RZ	36	KD1DU	13	WB2DNE	16
K4TO	31	WA4GPM	46	N2CEI	26	N2BJ	32	WB2DNE	12	KE8FD	16
WD5BKV	29	K2YAZ	45	K2YAZ	25	WD5BKV	30	WF9X	11	N2BJ	15
KE8FD	28	N0QJM	44	WF9X	24	KC4QWZ	30	W3IP	11	N4KWX	15
W3EP	27	WD5BKV	43	WB2DNE	22	K2YAZ	30	KH6CP/1 -Q	11	K4QIF	15
K0GU	27	K4TO	43	K4TO	22	N2CEI	29	WB2VVV	10	KH6CP/1 -Q	14
WB2DNE	27	WD9EXD	41	KD1DU	21	WB2DNE	29	WB2YEH	9	W8ULC	13
N2BJ	27	N2CEI	40	W3IP	21	WQ0P	28	WA0BWE	9	WD5BKV	13
N0LL	26	KD1DU	39	KC4QWZ	21	K4TO	27	WB3JYO	8	KD1DU	12
K8MR	26	N2BJ	39	K3GNC	20	W4VHH	27	N3NGE	8	KB3PD	11
		WB9VIO	39	WQ0P	20	KA0RYT	27	W8HAX/3 -Q	8	WB2VVV	11
		N0LIE	39	WD5BKV	20			KB3IB	8	W4VHH	11
		KB0IKP	39	K8MR	20			N4HB	8	K2UOP/8	11
				K5MA	20			WA3AXV	8		

Multioperator

50 MHz		144 MHz		222 MHz		432 MHz		902 MHz		1296 MHz	
N2XTX -L	66	N8FMD	66	K3MQH -L	52	K3MQH -L	53	W2SZ/1	21	W2SZ/1	20
K3MQH -L	61	K3MQH -L	64	N8FMD	44	N8FMD	43	W4IY	17	W4IY	17
W2SZ/1	59	N2XTX -L	60	W4IY	37	KP4XS/W4	39	N2ODK	17	N2ODK	16
KP4XS/W4	55	K3YTL	59	W2SZ/1	32	K3YTL	38	N8FMD	15	K3YTL	15
N8FMD	52	W4IY	58	K3YTL	32	W4IY	35	WD3R/2	14	N8FMD	15
W4IY	46	KP4XS/W4	57	KB2DMK -L	27	N2ODK	34	K3YTL	13	WD3R/2	12
AA4ZZ -L	44	KB0ZQ	51	AA4ZZ -L	27	AA4ZZ -L	33	K1WHS	11	K1WHS	12
K3YTL	42	AA8BC -L	51	N2ODK	26	N2XTX -L	29	KB0ZQ	10	W0UC/9	11
WB2ODH/6 -L	42	N2ODK	50	KP4XS/W4	25	W2SZ/1	29	KP4XS/W4	7	KB0ZQ	7
KB2DMK -L	39	W0UC/9	47	W0UC/9	24	WB2ODH/6 -L	28	W0UC/9	6	WA6KLK -L	7
N2ODK	38	W2SZ/1	45	WB2ODH/6 -L	22	KB2DMK -L	28	W3XO/5	4	KP4XS/W4	6
W0UC/9	37	WD3R/2	45	N2XTX -L	22	W0UC/9	26	W2CRS	1	AE6E	5
K1WHS	35	AA4ZZ -L	45	KU8Y -L	22	KB0ZQ	26			KC6TEU	5
WD3R/2	34	N1GPY -L	41	KB0ZQ	21	WD3R/2	24			N6OBP	5
KU8Y -L	32	NI9E -L	41	WD3R/2	20	K1WHS	24			K1MUJ -L	5
		KG9BV -L	41							KC6WLC	5

Q denotes QRP Portable
L denotes Limited Multioperator

a fantastic station location. They must be the winningest multioperator group in the history of the contest. K3-Yellow-Traffic-Light managed a second place win with their 360k points. Third place goes to N8FMD and gang.

Dick's crew at K3MQH scored 442k points—only half the points they did in June—but it was plenty for their limited multioperator win. Great job! N2XTX finished in second place with 136k points, and WB2ODH/6 finished third with 119k.

The rover category was very competitive, with only a few thousand points separating the top finishers. Brian, ND3F, took top honors with 84k points. Jim, WB9SNR, finished in second place with 76k points, and Byron,WA8NJR, was third with 62k. Rovers provide us with those rare grid squares to work. The rules indicate that a rover must activate at least two grid squares, but some go the extra mile. Congratulations to Brian, ND3F, Byron, WA8NJR, and Donn, WA2VOI who activated 12 grids each.

Now that we have the September VHF QSO Party behind us, it's time to start planning for the January VHF Sweepstakes, scheduled for January 18-20, 1997. Don't miss this one—it's the only VHF contest with a club competition. See you then!

SOAPBOX

There were truly terrible conditions. We traveled 600 miles one-way to activate Mt Davis, the highest point in Pennsylvania, for this contest. While we're happy with our grid total, QSOs were hard to come by. At one point, we even offered a free box of Pop Tarts (Frosted Cherry) and a Trigon Reflector to anyone who would work us...there were no takers (N1GPY). Having to work, plus celebrating my parents' 50th wedding anniversary, sure cut my contest operating time (WB2KLD).This was our record contest. My son and I took our 2 meter H-Ts and a Yagi up to our local mountain. We didn't push ourselves at all—we just simply had a great time together! And we qualified for pins, too (WA6JZQ). Conditions weren't real good for most of the contest. In many ways, with the way propagation was, it seemed like a longer version of the Sprints. K9JK/R and I were surprised to even work each other on 2 meters, and on 432, when he was in EN41. Just when conditions would seem to improve, they would get bad again. It was nice to notice that the number of stations with multiband

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capability seems to be increasing. Being able to run through the bands not only helps my score, but helps to pass the time when there is no long-haul propagation, and helps to promote activity on the higher bands (WD9IAB). Working stations is difficult when the 6-meter antenna is connected to the 2-meter radio and vice-versa (N1JAC). These were the worst conditions that we have experienced during the past eight years of contesting from the mountain, but we posted our second highest September score. Go figure! We had a great time and beautiful weather until it was time to break down. Then the rain came again (W4IY). It's been four years since we had a decent tropo opening during the September VHF contest. Conditions on 432 were the pits, but at least the lightning stayed away for the weekend. (KP4XS/W4). Heavy rain Saturday afternoon and all day Sunday limited our operating time to a couple of hours Saturday evening in the Flint Hills. The 432 rig quit working and the 1296 loop Yagi wouldn't load. Conditions on 2 meters were flat. Best DX heard was EN31 in IA (NOØY). Yeah, yeah—conditions stunk, what else is new. We had a great 2-meter opening for all of 15 minutes (Sunday at 7:30 PM) and snagged EN91 and EN92—good DX for little tweakers like us. Rovers: *Thank you* for doing the roving! It kept us sane during the long hours. It seemed like a lot of the small multiops didn't show up in some of the rare grids. We missed FN44 on three bands—and it's usually an easy shot to Mt Washington (WB1GQR). Conditions stunk! Rain played havoc with setup—rain took out our primary generator, then our backup generator took out the 2-meter PA. Murphy is available for anyone who is looking for an operator!(KB2DMK). Had a pleasant surprise Saturday night, when N4VC/R stopped by and ended up staying overnight. Was nice to meet someone you work every contest (N9LAG). We started with three operators and ended with two when one slid off the side of the mountain at night and twisted his knee. Conditions were only fair, with no band openings—but lots of activity and rovers made things exciting anyway (AA4ZZ). Fun indeed! Chief operator Doug, W2CRS, was joined by friend Tim late Saturday night. On Sunday afternoon, friend Dave, WBØGAZ, and Masayuhi, WH2O, visited with their FT-736, so we could make some 222 and 1296-MHz QSOs. Conditions were poor to fair. No Es, no tropo, no aurora (W2CRS). It has been a while since I've really played with one of the VHF/UHF contests, but the 1996 ARRL September VHF QSO Party was a great event. While conditions were far from great, the results were a pleasant surprise. There's a great bunch of hams active in this contest and everyone was very accommodating and courteous. With the ebb in the sunspot cycle making the HF bands all but useless, VHF and UHF offer some real excitement even for the modest station (K3MDG). This was our first-ever VHF/UHF portable operation. Kind of like FD for above 50 MHz. We assembled a good bit of stuff, including building three antennas. It will be easier the next time. If we had operated from my home, we could have run more power, had better antennas, and made more points—but this was fun and a good learning experience (K8UC).

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, 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, N = 142 GHz, O = 241 GHz, P = 300+ GHz). Call signs of division leaders and band indicators are listed in boldface type.

1

Connecticut

KD1DU 113,875 631125 S **ABCD9E**
W1XX 19,209 288 57 S ABC9E
K1EM 13,821 194 51 S ABCDE
W3EP 7,446 138 51 S ABD
K1FO 6,450 129 25 S **D**
N1NQD 6,084 126 39 S ABCD
K1WVX 2,295 73 27 S ABC
KE1CO 1,210 46 22 S ABD
AA1JM 420 35 12 S B
W1ORS 330 30 11 S A
WD5T 312 26 12 S AB
N1BAH 270 45 6 S B
N1TNX 232 28 8 S ABD
WA1GTP 220 21 10 S ABC
KE1ET 144 36 4 S AB
W1QK (+AA1MY,AF1U,KD1XS,WA1GSO)
39,872 546 64 L ABD
KA1MM (+K1DW)
4,410 114 30 L BD
N1TDW (+N1WPB)
1,995 96 19 L ABCD

Eastern Massachusetts

K5MA 51,210 424 90 S **ABCD**
WG1Z 12,912 202 48 S ABCDE
KX1C 7,826 124 43 S ABCD9E
K1GVM 6,720 129 40 S ABCDE
WO1G 1,344 62 16 S AC
N1ABY 819 63 13 S AB
N1VQR 795 50 15 S ABD
WA1OFR 728 42 14 S ABDE
AA1ON 450 50 9 S B
KA1VY 442 31 13 S ABD
NO1R 264 33 8 S AB
AD1B 135 27 5 S AB
N1FDX (+K1HTN,N1s EDM,FYZ,TFJ)
1,054 62 17 L AB

Maine

N1DGF 1,218 46 21 S **BCD**
KQ1V 1,175 47 25 S **AB**
K1WHS (+K1s LL,MNS,N1LBI,W1AIM, WA1s NIE,T,TFH,W3HQT)
146,265 675147 M ABCD9EFGHIJ

New Hampshire

AF1T 30,810 269 79 S **ABCD9EFI**
AC1J 10,305 181 45 S ABCD
K1TR 10,036 126 52 S ABCD9F
KU2A 4,488 86 34 S ABCDE
KA1FQT 1,164 97 12 S AB
N1JHJ 1,156 57 17 S ABD
AC4DG 40 10 4 S A
WB1FLD (+KA1FYB,N1s NUM,RUZ)
39,525 418 75 L ABCD

Rhode Island

KM1X 10,516 229 44 S **ABD**
K1MUJ (KA1ZNZ,WA1HYN,ops)
16,200 199 54 L BCDE

Vermont

K1LPS 1,416 50 24 S **ABCD**
KH6CP/1 77,274 404106 Q ABCD9EFGHIJ
WB1GQR (+KA1NRR,KM1Z,WA2VCS, WB2JSJ)
89,349 792 87 L ABCD

Western Massachusetts

WA1MBA 21,390 184 62 S **BD9EFGHI**
N1LZC 10,731 169 49 S ABCDE
KD1WO 9,954 208 42 S ABD
N1FUS 8,330 198 34 S **ABC**
N1MIA 3,211 169 19 S **A**
WA1NYV 1,751 103 17 S B
N1LYW 1,116 59 18 S ABD
WA1UOL 768 41 16 S ABCD
N1QKR 756 75 9 S BD
N1RSY 245 35 7 S B
N1MUV 195 39 5 S AB
N1VMJ 112 28 4 S B
K1JG 80 10 8 S AB
W2SZ/1 (K1DH,KA1DZV,KC1s US,ZN, WA1s UGE,ZMS,K2s MM,TR,KE2TP, N2s BNY,GXH,XRE,YCA,YZO, WA2s AAU,SCA,WB2KMY,WS2B,AK4L, WA8USA,ops)
653,116 1480268 M ABCD9EFGHIJ

2

Eastern New York

N2MSS 26,496 261 69 S **ABCD9EI**
WB2DUS 13,725 178 61 S ABCD
N2MCI 11,284 167 52 S ABCD
WM2Y 10,948 238 34 S ABCDE
KC2QF 7,216 119 44 S ABCD
W2XL 6,348 101 46 S ABCD9E
W3HHN 6,107 150 31 S ABCDE
W2JHO 4,338 181 18 S ABCD
AB2AJ 3,596 116 29 S ABD
W2CCP 3,534 114 31 S **B**
N2YQW 3,014 111 22 S ABD
WA2WQZ 2,992 136 22 S **A**
KB2UZB 2,822 166 17 S B
N2NCQ 2,680 100 20 S ABCD
N2RDN 2,640 72 30 S ABCD9EI
N2TMT 2,166 114 19 S A
WB2BEJ 1,118 53 13 S ABCDE
KB2VQR 825 66 11 S ABD
KA2CYN 686 49 14 S AB
K2RI 558 42 9 S BCD
KG2GX 330 25 10 S BCD
KF2CM 240 20 12 S B
KB2TPD 231 33 7 S B
AA2CW 196 21 7 S ABCD
N2PEQ 105 35 3 S B
WZ2X 90 30 3 S B
WA2BAH 30 10 3 S B
KB2ZTP 20 10 2 S B
KA2MCU 5 5 1 S B
N2VOT (+KB2s UYY,ZAK,ZSQ,KG2HR, N2s WCY,YYU)
38,802 486 58 L ABCD

NYC-Long Island

NB2T 7,280 175 28 S **BCD**
WA2ZFH 6,912 141 36 S ABCD
N2QHS 2,200 80 22 S ABD
N2HTU 1,105 57 17 S BD
N2HCU 909 101 9 S B
NB2V 440 22 10 S D
KG2BB 340 34 10 S B
WB2BXO 270 41 6 S BD
K2OVS 204 17 12 S AB
KC7RYY 200 28 5 S BD
WB2AMU 570 38 15 Q AB
KB2VKQ (+AA2XN,KB2s TYO,ULH,VAE, KG2CY,N2WOG,WB2SHZ)
3,480 139 20 L BD

Northern New Jersey

N2CEI 126,861 677147 S **ABCDF**
WB2VVV 53,016 385 94 S ABCD**9E**
WB2QOQ 7,830 270 29 S B
K2KIB 7,240 138 40 S ABD
NX2Q 6,757 233 29 S B
N2MH 6,350 203 25 S BD
WB2CUT 4,623 201 23 S B
WS2E 4,248 118 36 S AB
N2LMU 3,740 152 20 S ABD
N2ZBH 544 60 8 S BD
WB2IDV 539 49 11 S B
N2XSE 306 40 6 S BD
NA2R 297 33 9 S B
KB2SJG 258 40 6 S BD
N2TBO 180 45 4 S B
WD3R/2 (+K2BJG,KB2s LHH,SYD, N2s BCC,HEB,WM)
146,765 764149 M ABCD9E
NO2T (+KB2s MBA,WKI,N2s BPY,PPR, PPS,WA2INW,WU2C)
43,494 554 66 L ABCD
N2RDX (+WA2JHN)
6,264 163 29 L BD

Northern New York

WA2AEY 7,140 140 51 S **AB**
N2TNW 1,608 61 24 S ABD
WB2KLD 651 31 21 S AB

Southern New Jersey

WB2YEH 44,408 280 91 S **ABCD9EFG**
WB3JYO 43,020 265 90 S ABCD**9EFG**
W3ACD 1,722 82 21 S B
N2JVQ 666 37 18 S B
N2MPU 319 29 11 S AB
N2HQL 300 30 10 S B
KB2EGI 290 29 10 S B
KA2YKN 261 29 9 S B
K2AA (KD2KS,KF2YX,N2SCJ,WA2CVJ)
69,184 607 92 L ABCD
W2MMD (K2JF,KA2FFS,N2s WFK,WUPops)
8,510 185 46 L AB
N2OO (+K2PG,KB2s BRR,EVF,KF2BQ, N2s IRM,MRH,ZAHWA2TVS,WB2s ATU, HPU,MWD,SPP)
5,148 143 36 L AB

Western New York

AA2GF 15,209 176 67 S **ABCD**E
NJ2L 9,646 118 53 S ABCD**9E**
WA2ZNC 5,700 112 38 S ABCDE
AA2WW 3,729 113 33 S **B**
W2WGL 3,515 77 37 S BD
WB2WPM 2,176 68 32 S AB
K2OEQ 1,400 59 20 S ABD9
W2UAD 1,392 58 24 S B
KB2NFS 1,010 78 10 S BCD
N2ULL 814 28 22 S ABCD
WA2SCB 612 32 17 S BD
W9KXI 595 35 17 S B
N2ZXX 576 32 18 S AB
N2PSH 378 27 14 S B
WA2RBO 208 40 4 S BD
KB2VGH 168 21 6 S BD
N2ODK (+KD2YB,N2JQR,W2HPF)
228,818 810191 M ABCD9EFGHIJP
N2XTX (+KC2UA,N2ODU,NY2Z,W2DRZ, WA2AWX,AK3R)
136,644 665177 L ABCD
KB2DMK (+KA2CKI,N2HLT,NS9E)
96,678 570131 L ABCD
KE2PM (+KB2JAG,KF2ZN,N2s MES,PBU, PBX,WA2RKP)
13,616 145 74 L ABCD
KB2UJG (+KA1EIX,K2DN,KB2s FAF, HSV,LUV,N2s IKS,MRE,ZPT)
2,160 59 30 L ABCD
KB2SGX (+KB2UVD,N2VJV)
1,536 59 24 L ABD

3

Delaware

KB3PD 23,994 230 62 S **BCDE**
W3OR 11,934 132 51 S **ABCD9E**
WA3U 1,974 64 21 S BCD
WA3BZT 330 30 11 S B

Eastern Pennsylvania

N3NGE 49,179 297 97 S ABCD**9EF**
WA3JUF 40,936 279 86 S ABCD**9EF**
K3GNC 35,530 256 85 S ABCD9E
N3EXA 33,200 276 80 S ABCD9E
KB3IB 28,080 216 80 S ABCD9E
WA3AXV 20,435 143 67 S ABCD9E**FGHI**
WA4GPM 13,034 260 49 S **BD**
NK8Q 12,768 209 48 S ABDE
WA3UFU 4,059 98 33 S ABCD
N3JNX 3,880 84 40 S ABD
WB3LNZ 2,639 72 29 S ABCDE
N3QWE 1,716 60 26 S BD
WA3CSP 1,425 57 25 S **A**
N3ADC 1,200 40 24 S ABCDE
W3JUZ 1,168 73 16 S B
N3TBB 720 60 12 S B
N3FOG 544 30 16 S ABD
N3TLJ 432 36 12 S AB
KB3BPQ 294 21 7 S C
N3OGF 275 25 11 S B
N3KFV 225 25 9 S AB
N3IOE 200 50 4 S B
W3UQC 180 30 6 S B
N3RJT 108 12 9 S AB
K3YTL (K2LNS,K3MKZ,KA3s EEO,ZHT, KB3QI,KE3OA,N3s OCG,QVT,TKK, WA3s JWP,NVS,YON,WB3FAA,W3DZH)
360,985 1162215 M ABCD9EFGHI
K3MQH (+K3s IXD,JFL,RA,KF3P,N3s EYB, KTV,URR,W2EOS,WF3T)
442,750 1483230 L ABCD
N3JDQ (+N3s LMD,VQI)
6,825 175 39 L AB
N3FJA (+N3s ORF,XXZ)
2,392 84 23 L BD

Maryland-DC

K1RZ 202,350 691190 S **ABCD9EF**
WB2DNE 105,696 481144 S ABCD9E
W3IP 88,494 421129 S ABCD9EF
KH2CY 29,930 311 73 S ABCDE
WA4VHF 14,616 126 42 S **DEF**
N3OPM 11,960 187 46 S BD
KA3TCC 3,380 100 26 S ABCD
KA1YY 2,728 124 22 S B
N3KNI 2,158 83 26 S AB
K3YDX 1,068 73 12 S BDE
N3AFT 448 32 14 S B
N3UMA 333 37 9 S B
WA3EOQ 319 29 11 S B
N3LDY 255 42 5 S BD
N3WKE 220 44 5 S B
N2TDT 30 15 2 S A
W8HAX/3 29,946 209 93 Q ABCD9E

Western Pennsylvania

KA3SDP 9,860 131 58 S **ABD**
AA3GM 7,946 109 58 S ABCD
N3PUR 1,320 60 22 S **A**
WA3TLT 513 27 19 S AB
W3OOM 416 32 13 S AB
N3IDH 351 26 13 S ABC
W3ZLK 96 26 3 S BD
AA3GQ 70 10 7 S A
W8IJ 63 9 7 Q AB
N1GPY (+N1s JEZ,MJD,RYS,WB2CWA)
51,339 374109 L ABCD
N3PBD (+N3s PBE,QQH)
1,344 55 24 L ABD
W3KWH (AA3JF,NW3C,ops)
1,265 55 23 L B

4

Alabama

KE4FRZ 2,618 61 34 S ABCD
KD4FMN 2,464 72 32 S ABD
KD4PEE 2,295 85 27 S AB
KS4YT 1,071 51 21 S **B**
KE4HJQ 480 25 16 S ABCD
KS4LU 374 30 11 S ABCD
KE4RLL 315 45 7 S B
AE4WP 231 33 7 S AB
KB4FAI 112 12 8 S ABD
KE4RVS 104 13 8 S B
KF4KVH (N4GKE,WA4III,KD4MQA,ops)
5,088 90 48 L ABCD
WA4DYD (+WA4HRH)
1,701 58 27 L ABD

Georgia

W4WDH 9,280 128 58 S **ABCD**
K4KAZ 1,782 50 27 S ABCDE
WA4OYH 1,408 50 22 S ABCD
KT4KP 946 43 22 S AB
KC4YNZ 140 27 5 S BD
AE6E (+KA2DRH,KE4ZQD,WA4KXY, N9KHC,NX9O)
11,524 133 67 M ABCDE
WBØQGH (+WA5PSH)
2,016 55 28 M ABCDE
W4CMA (+K4AEK,KD4HLG,KA5WZY)
18,815 235 71 L ABD
W4PYM (+AE4GQ,KC4GCK,KE4s IXE,NYK,KF4s FZF,GMF,KAN,LHV,NYK)
10,285 147 55 L ABCD

Kentucky

K4TO 37,884 227123 S **ABCD**
WA4FVQ 19,602 155 81 S ABCD**9E**
KE4JFS 2,736 76 36 S AB
KB4EBP (+KT4JN)
17,220 199 70 L ABD

North Carolina

K4QIF 38,352 253102 S **BDE**
W4VHH 18,352 157 74 S BDE
N4UFP 4,773 96 43 S ABD
N4PPH 2,268 84 27 S B
KD4WJN 250 25 10 S B
N4ZAK 198 18 11 S AB
W4FSO 135 9 9 S BDE
KT4GG 770 56 11 Q ABD
AA4ZZ (+WA4VCC,WB4WTC)
106,386 557149 L ABCD

Northern Florida

KT4AL 4,633 86 41 S ABDE
KE4YYD 4,032 86 42 S **ABD**
KE4MNU 1,204 34 28 S ABD
K5WTA 663 34 17 S ABD

South Carolina

KC4DVB 3,400 79 34 S **ABCD**
WD4JQV 2,376 50 33 S ABCDE
N2FY 2,044 62 28 S **ABCD**
AC4Q 1,820 53 28 S ABD
N4IQ 954 43 18 S ABD
KS4DU 264 22 12 S AB
KP4XS/W4 (+AA4S)
120,393 491189 M ABCD9E
KD4ZMR (+KE4JNY,KD4s TCA,TCB, KA4ABW,KF4HIW)
15,392 244 52 L ABD

Southern Florida

WD4MGB 2,345 56 35 S **ABD**
K9HUY 1,872 72 26 S **AB**
K4SC 390 26 15 S AB
KD4VBI (+KE4YGA,WA4HXZ)
200 40 5 L AB

Tennessee

KC4QWZ 36,736 235112 S **ABCDE**

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AA4H 9,424 105 62 S ABCD9E
KA4CHT 1,449 46 23 S ABDE
AD4F 646 29 19 S ABCD
KD4HIK 306 30 9 S ABD
KB4EOD 62 31 2 S B
W4TRC (+KC4VSN,KE4s GUT,VFS, N4s RNL,ROA)
1,458 81 18 L AB
W4UOT (KE4s TVV,UIL,W4OWX,WA4IRU, WB4NCW)
1,152 48 24 L AB

Virginia

N4KWX 45,248 300101 S ABCDE
KD4UPF 29,637 238 89 S ABCD
KC4UCE 20,416 218 88 S ABD
N4HB 19,180 160 70 S ABCD9E
AD4DG 15,488 167 64 S ABCD9E
K4FTO 11,016 165 51 S ABCD
KD4EAO 8,364 115 51 S ABCDE
WB4DBB 4,300 72 43 S ABCD9E
N4MW 3,298 51 34 S ABCD9EF
K4MSG 1,235 65 19 S AB
AD4TJ 1,062 59 18 S AB
W4LTU 418 38 11 S A
KF4LGU 135 45 3 S B
K4ME 27 9 3 S B
W4IY (K4HWG,WB4s FNS,RMJ,WU4KXB, WA0DYJ,KO4FM,N1TXI,KU3M,N4DXS, AE4DG,KA4CKI,KJ4VG,KT4SC,K8MLM)
273,265 920215 M ABCD9EF

5

Arkansas

KB5WBH 350 25 14 S B
KD4TJN (+KD4s LTR,NOQ,WB4LHD, N9GSA) 3,159 67 39 M ABCDE
NØEOQ (+KAØNNO)
4,732 80 52 L ABCD

Louisiana

N5MYH 4,141 84 41 S ABD
N5WKI 989 43 23 S AB

Mississippi

N5YLS 1,482 48 26 S ABD

New Mexico

K5RHR 3,276 66 36 S ABCD
W5WOX 924 36 22 S ABD
N9KUW 708 50 12 S ABD
KB5ZSK 528 31 12 S ABCD
W5FF 420 28 15 S A
K5AM 285 19 15 S AB

North Texas

K9MK/5 40,140 343 90 S ABCD9
WA5TKU 11,580 150 60 S ABDEG
WA5VKS 5,984 162 32 S ABCD
KC5HTM 3,150 105 30 S AB
KC5LOW 2,781 103 27 S AB
KK6IT 2,328 97 24 S B
KC5CCT 936 52 18 S B
KC5MSN 817 43 19 S AB
N5NUV 592 37 16 S AB
AC5CT 110 22 5 S AB

Oklahoma

WD5BKV 47,790 254135 S ABCDE
KC5DRI 476 53 7 S ABD
W5TC (AC5IW,KB5PSP,KC5s PRQ,VEI, N5s HZR,UWY,ops)
825 47 15 L ABD

South Texas

N5WS 20,582 191 82 S ABCD9E
KC5FMT 9,275 140 53 S ABCD
KC5UKB 3,145 61 37 S ABCD9E
KC5CXU 2,684 122 22 S B
KK5OA 1,534 59 26 S AB
KC5CVF 630 40 15 S BD
W3XO/5 (+KK5DK,KC5LCK)
14,874 166 67 M ABCD9E
W5EHM (N1PVB,KA5WSS,ops)
1,460 71 20 L ABD

West Texas

KK5IH (+KK5KK)
10,220 116 70 L ABCD
KC5HNI (+KC5s OBX,QKV)
700 33 20 L ABD

6

East Bay

WB5OMF 18,502 236 58 S ABCD
N6EIO 868 62 14 S B
W6UT 470 37 10 S BD
N6OIK 256 30 8 S BD
KQ6DI 192 16 6 S C
N6OBP (+KC6PLM,KE6s EC,UW, KA9MNZ,WD6BGN,WG3R)
14,688 225 48 M ABCDE

Los Angeles

W6AQ 10,176 227 32 S ABCDE
AC6TA 7,712 205 32 S ABD
KE6AXJ 3,570 162 15 S BCD
W6IST 2,541 86 21 S ABCD
KE6FCT 2,106 100 18 S ABD
KE6MAK 1,950 109 15 S ABD
WA6RAY 1,854 70 18 S ABCDE
KD6RMS 1,170 53 15 S ABCDE
N5ZBN 986 49 17 S ABCD
KD6KHJ 456 57 8 S B
KQ6CU 432 49 8 S BD
KE6IVL 222 37 6 S B
WK8L 245 30 7 Q BD
WB2ODH/6 (+K6KWQ,N6s RMJ,ZE, W6YLZ,WA6DJS)
119,990 652130 L ABCD
KA3DSE/6 (+KQ6BS,N6OPR)
36,708 413 69 L ABCD
W6TOI (KB6WKT,KD6PVI,KE6HPZ,ops)
23,499 290 63 L ABCD
W6TRW (+KD6WYQ,KE6MJU,KF6EXC, KQ6CG,WA6MPF)
3,872 126 22 L ABCD

Orange

WB6FCS 14,475 152 75 S ABCD
N6HKF 13,310 174 55 S BCDE
KE6VAW 12,051 213 39 S ABCDE
KE6GFF 2,744 98 14 S D
K6IBY 2,592 65 27 S ABCD
AC6TK 2,415 127 15 S ABC
KC6UIX 2,146 74 29 S AB
KG6EG 1,590 53 15 S D
KD6UIH 1,587 44 23 S ABCD
K6TSK 574 26 14 S BD
KE6QCB 399 50 7 S BD
KE6RUT 328 31 8 S BD
W6TKV 297 32 9 S ABD
KN6WL 256 28 8 S BD
N6FJX 186 28 6 S BD
KE6WHJ 130 26 5 S B
WA6FIT 748 64 11 Q ABE
KE6WOX 176 44 4 Q B
KQ6FV 174 29 6 Q B
WA6JZQ (+KF6ENB)
357 51 7 L B

Santa Barbara

KD6TBE 1,056 51 16 S ABCDE
KE6FKA 658 35 14 S ABCDE
KO6AZ 396 27 11 S ABD
KC6WLC (+KE6EKO,KD6UUN,KØBGL)
6,191 120 41 M ABCDE

Santa Clara Valley

AJ6T 9,284 143 44 S ABCDEP
WB6LRV 1,080 97 9 S BD
W6ISO 845 65 13 S B
WA6UAP 682 31 11 S D
KF6BKK 216 27 6 S BD
KE6CCJ 180 25 5 S BD
W6/XE1RGL 45 9 5 S AB
KE6QHR
(+KD4ZJH,KC6UCN,KD6HMN,KE6YDG)
25,260 293 60 M ABCDE

San Diego

KE6SQG 473 43 11 S AB
KE6YKS 360 29 10 S BD
K6IAH 126 20 6 S ABD
W6RDF (KD6EFQ,KO6ET,ops)
8,778 173 38 L ABCD

San Francisco

WN6W 459 34 9 S ABCDE
K6PZB 261 28 9 S ABD
WA6KLK (+KB6OFY,KD6LTB,KE6HML, WA6OEM,WD6HDY,WB9NJS)
30,114 372 63 L ABDE

San Joaquin Valley

WB4AYE 16,638 196 59 S ABCD9E
WJ6T 6,027 108 41 S ABDE
K6ALE 5,487 136 31 S ABCD
N6AJ 4,514 97 37 S ABDE
N7STU 4,284 117 36 S ABD
KD6WVL 2,268 84 27 S AB
N6IFW 2,121 101 21 S AB
KG6VI 972 50 18 S BD
KD6IVL 264 33 8 S B
KK6KE 18,525 225 57 Q ABCDE
KE6JTH 550 48 10 Q BD
WB6YDO 264 31 6 Q BD
N5UYI (+KC6QPO,KF6FGV,N6MTS, WB6ITM,AA6AH,KU6A,KE6IPA)
27,531 303 63 M ABCDEIP
WB6FSE (+WB6GPD)
341 25 11 L ABD

Sacramento Valley

KJ6KO 16,536 232 53 S ABCD
N6KBX 12,826 199 53 S ABD
KC6ZWT 9,792 199 34 S BCD
KA6VQV 6,031 121 37 S ABCD
KE6DPV 3,796 109 26 S ABDE
W6RCW 2,025 67 25 S ABD
KD6VNQ 1,575 66 21 S ABC
W6JEX 1,386 58 22 S ABCD
K6FO 1,110 67 15 S ABD
KD6EHA 816 65 12 S ABD
KO6YD 333 33 9 Q BD
KC6TEU (+WA5YWC)
21,518 279 58 M ABCDE
KF6ABN (+KD6LLE)
3,267 109 27 L ABD
KE6YJH (+KC6OHY,KD6s PCE,TVY, KE6ZMT,W7KEH)
390 27 13 L BD

7

Arizona

KE7FC 1,491 71 21 S B
N7GJD 910 52 14 S ABC
WB7OHF 492 37 12 S ABD
KE7GH 480 30 12 S ABCD
WA9AHZ 1 1 1 S A
KC7LNZ (+AA2EL,KB5PCN,KC5DWB, KC7s CAL,NCB,KG7XC,KI7QV)
5,130 154 27 L ABDE

Eastern Washington

W7FHI 3,096 74 36 S ABD9
KB7UWC 3,036 73 33 S ABCD9E
N3CEV 2,160 57 30 S ABDE
AB7IZ 1,350 46 25 S ABD
K7JRN (+W7YEM,WS7I)
2,025 63 27 L ABD

Idaho

KA7GUX 1,890 60 27 S ABD
KJ7TH 638 44 11 S ABD
KC7SBI 148 27 4 S BD
KC7SBJ 148 26 4 S BD
KC7MSB 432 38 8 Q BD
KK7AT 424 38 8 Q BD
AA7DG (+KC7HCR)
490 28 14 L ABD

Nevada

K7ICW 9,027 118 59 S ABCDE
KB6CO/7 3,597 85 33 S ABCD
KF7UV 2,910 72 30 S ABCD
WB7TDI 2,322 76 27 S ABD

Oregon

KE7CX 9,212 139 47 S ABCD9E
N7YAG 3,774 86 34 S ABCD9E
K7HSJ 1,748 59 23 S ABCDE
N7DB 1,416 54 24 S ABCD
KI7WB 697 41 17 S B
WA7IQH (+KE7IK)
1,365 58 21 L ABCD
W7LT (KC7s AOE,AOI,BRJ,MBM,PDI, SOG,KJ7AY,WB7OQX,ops)
342 50 6 L BCD

Utah

NJ7A 1,650 56 22 S ABDE
KB7VML 1,515 81 15 Q BD

Western Washington

KE7SW 19,500 226 60 S ABCD9E
WA7UQV 10,922 202 43 S ABCDE
K7ND 4,224 89 32 S BCD9E
KW7R 1,691 66 19 S ABDE
KD7TS 605 50 11 S BC
KI7NC 546 37 13 S ABD
N7VGO 495 42 11 S ABD
KJ7OZ 368 46 8 S AB
WA7OEU 225 25 9 S B
W7LRD 162 27 6 S B
WB7DHC (+KA7KUZ)
3,861 128 27 L ABD

8

Michigan

K2YAZ 43,218 235126 S ABCD9E
K8MD 37,664 244107 S ABCD9E
WZ8T 14,773 139 79 S ABCDE
KG8XM 8,736 157 48 S ABDE
KB8JI 5,123 80 47 S ABCD
WV1R 5,120 109 40 S ABD
K4CPK 4,720 118 40 S AB
KG8TR 4,620 140 33 S B
KB8PNS 1,596 57 28 S AB
N8CGY 1,560 60 26 S AB
W8WNX 476 34 14 S A
KB8MBC 442 26 17 S A
N8ZVB 384 32 12 S B
NE8I 374 27 11 S ABCD
N8KWJ 338 26 13 S AB
K8NFT 276 17 12 Q ABCD
KU8Y (+KA8TBW)
43,340 312110 L ABCD
WA8RLI (+KA8UHG,KB8s DSC,ZAU,N8OEO)
740 65 10 L ABCD

Ohio

WA8WZG 375,192 765243 S ABCD9EFGHI
KE8FD 137,609 464193 S ABCD9E
W8ULC 106,470 421182 S ABCDE
K8MR 33,600 272 96 S ABCD
KB8ZW 15,549 166 71 S ABCDE
K3DMG 14,976 155 72 S ABDE
N8ZJN 11,895 154 65 S ABD
WA8RJF 8,151 136 57 S ABD9
N8IAO 7,152 138 48 S ABD
KE8RO 5,412 107 41 S BD
N8RPA 4,992 116 39 S ABD
WA8TMK 4,485 105 39 S BD
KB8UUZ 1,971 73 27 S AB
KC8CSD 1,342 61 22 S AB
N8LGP 1,224 51 24 S B
N8VKE 1,150 45 23 S ABD
KB8YKR 1,144 44 26 S AB
N8IBW 1,134 52 21 S ABD
N8YSF 1,026 52 19 S ABD
KB8VUJ 1,012 44 22 S ABD
KB8UHY 882 47 18 S BD
WA3HQL 693 33 21 S B
N8PTL 663 38 17 S ABD
N8VEA 462 31 14 S BD
N8WHO 350 25 14 S A
N8QXC 341 27 11 S ABCD
N8TED 288 29 8 S BD
N8SPW 260 26 10 S B
WN8ATM 7,546 113 49 Q ABCD
N8AXA 3,744 87 36 Q ABCDE
KC8BUN 2,100 59 30 Q ABCD
AA8BC (+KB8s GUP,WFN,N8NAK)
38,796 318106 L ABDE

West Virginia

K2UOP/8 57,040 322115 S ABCD9EFI
N8XUR 18,785 212 65 S ABCDE
K8MBH 252 18 14 S B
N8FMD (+AA8LC,KC8AJH,KF8UM, KV8S,N8s OJK,UBH,VCF,ZQD, WB8MZI,WJ8G)
357,776 1079236 M ABCD9EP
K8UC (+N8YYS,N8UXD)
3,480 76 40 L ABCD
W8SP (KB8OHW,N8TJD,WG8T,ops)
3,036 75 33 L ABD

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Illinois

K9PW 280,370 741230 S ABCD9EFGHIJP
N2BJ 116,870 509155 S ABCD9E
WD9EXD 21,620 189 94 S ABCD
KF9B 10,971 129 69 S ABD
N9WRQ 7,138 110 43 S ABD9E
WD9ISG 4,480 112 35 S BD
WD9IIX 3,774 96 34 S ABD
WX3N/9 3,344 76 44 S AB
N9WJI 2,328 77 24 S ABCD
N9TOK 2,140 90 20 S ABD
KB9II 1,060 45 20 S ABC
N9VZX 423 38 9 S BD
WB9MXX 352 32 11 S AB
WD9FEN 140 35 4 S B
N9DJ 140 28 5 S B
KB9BNR 81 26 3 S ABD
W9VA 72 12 6 S A
N8KWX 7,470 128 45 Q ABCD
N9LAG (+N9s KJE,QKZ)
51,680 383 95 L ABCD

Indiana

WB9VIO 30,200 247100 S ABCD
KB9FZQ 18,170 175 79 S ABCD
AA9LT 9,100 117 65 S ABCD
WB8YFE 7,168 107 56 S ABCD
W9ESU 1,820 51 28 S BD
N9RZY 1,450 50 29 S AB
K9DZE 1,242 40 27 S ABD
N9TMN 1,104 40 23 S BD
WB9DRB 897 29 23 S ABCD
KB9MWA 672 39 16 S ABD
KG9BV (KA9CQC,N9VQW,ops)
12,025 155 65 L ABCD
N9KZJ (+N9LRR)
2,607 60 33 L ABCD

Wisconsin

WF9X 40,068 257108 S ABCD9
AA9AO 12,352 144 64 S ABCD
N9YKE 10,309 125 61 S ABCDE
WA9LWJ 7,866 100 57 S ABCD
WA9HCZ 4,902 93 43 S ABD
W9YCV 3,840 79 40 S ABD
WA1UJU/9 3,131 101 31 S B
N9LLT 3,102 85 33 S ABCD
N9ISN 2,520 68 36 S ABCD
KF9YR 2,442 74 33 S AB
WD9IAB 2,272 48 32 S ABDE
ND9Z 2,240 52 35 S ABD
KA9JCP 1,809 63 27 S ABD
N9PBA 1,769 61 29 S AB
N9UBS 1,738 79 22 S AB
K9OSH 324 27 12 S AB
W9RZW 275 25 11 S B
N9NDP 189 21 9 S B
NI9E (+WB9UAI)
20,907 274 69 L ABD
N9WBR (+N9WVD)
560 28 20 L AB

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Colorado

KDØDW 38,480 245104 S ABCD9EI
KØGU 16,960 163 80 S ABCD
WØKEA 4,223 78 41 S ABCD
WBØMGS 2,448 53 34 S ABCD
K7VNU 1,728 49 32 S ABD
W2CRS (+N2PC,WH2O,WBØGAZ)
22,540 187 92 M ABCD9E

Iowa

KØVSV 3,382 78 38 S ABD
KFØJI 2,010 67 30 S B
KDØBT 405 21 15 S ABD
NØSPP 351 27 13 S AB

Kansas

WQØP 34,768 218106 S ABCD9EI
NØLL 23,862 182 97 S ABCDE
NØLIE 4,056 104 39 S B
KBØTIJ 1,608 55 24 S ABD
KBØOEY 496 30 16 S BD
NØSMR 420 27 15 S BD
NOØY 144 16 9 S B
KGØWA (+N3UYZ,N5CLU,KBØs YHU,YHT)
4,788 104 38 L ABD

Minnesota

WAØBWE 40,514 248 94 S ABCD9EFGH
KBØIKP 30,500 224100 S ABCDE
KBØPYO 17,480 174 76 S ABCD
WA2HFI/Ø 15,594 153 69 S ABCD9E
KAØRYT 13,511 146 59 S BDE
WØOHU 9,790 131 55 S BD
WØAUS 7,014 115 42 S ABCDE
KBØNES 5,920 135 32 S ABCD
KØJO 4,983 99 33 S ABCD9E
KBØVUK 4,968 131 36 S ABD
WBØLJC 4,158 102 27 S ABD9EFGH
KGØBG 3,480 87 30 S BD
ABØCN 2,880 82 24 S ABDE
WØPHD 2,294 50 31 S ABDE
KBØIXC 2,125 83 25 S BD
NØYXO 1,738 71 22 S ABD
WØLCP 1,541 56 23 S ABD
KAØNAN 1,512 72 18 S ABCD
KBØLYL 791 113 7 S B
KBØTZA 650 49 10 S ABD
KAØPQW 504 26 14 S ABCD
KBØWUK 320 39 8 S BD
WØUC/9 (+KØGJX,NØs AKC,BSH)
92,040 416156 M ABCD9EFGI
KBØZQ (+KE9QT,KAØs JWC,UZG,NØHJZ, WBØGGM,WA2PHW)
90,896 394152 M ABCD9EFGHI

Missouri

KØFF 4,680 70 52 S ABCD
NØMMU 3,726 69 46 S ABD
WØJRP 2,015 58 31 S ABCD
KRØI 546 31 14 S BD
KBØPRZ 220 22 10 S B

North Dakota

NTØV 3,237 53 39 S ABCD9EFG
WBØOAJ 72 9 8 S AB

Nebraska

WDØBQM 3,478 62 37 S ABCDE
NØYNP 1,736 42 28 S ABCDE
NØWJY 940 47 20 S B

South Dakota

NØQJM 17,480 149 92 S ABCDE
WBØHHM 2,560 57 32 S ABCD

Quebec

VE2HKS 220 55 4 S AB
VE2HLW 204 31 6 S ABD
VE2SHW 33 33 1 S B
VE2PIJ 3,198 103 26 Q ABD
VE2CUA (VE2s DUB,HFX,HKI,LVT,ops)
5,920 124 37 M ABCDE
VE2JWH (+VE2s CFA,JRG,PSU, USR,VA2SMG)
12,600 200 50 L ABCD

Ontario

VA3ST 29,920 268 85 S ABCD
VE3FGU 6,156 90 54 S ABD
VE3TMG 4,371 119 31 S ABD
VE3FHU 3,720 72 40 S ABCD
VE3SXE 3,589 90 37 S ABD
VE3DEB 3,267 99 33 S AB
VE3OIL 1,344 42 21 S ABCDE
VE3VHB 1,296 54 24 S B
VE3OJN 1,200 42 24 S ABD
VE3NPB 1,155 43 21 S ABD
VE3BFM 1,150 30 23 S ABCDEF
VA3KA 1,122 51 22 S B

Alberta

VE6JY 322 23 14 S AB

British Columbia

VE7SKA 4,448 132 32 S ABD
VE7PKE 518 29 14 Q ABCD

DX

Puerto Rico

WP4LNY 25 25 1 S B
WP4KOE 10 10 1 S B

Mexico

XE2HWB 360 40 9 S B

Hawaii

NH6YK 294 34 7 S ABD
KH6HME 160 35 4 S ABD

Brazil

PY2CDS 315 39 7 S ABD
PU2YZP 276 65 4 S BD
PY2NI 276 60 4 S ABD

Rovers

Atlantic

ND3F 84,447 539 99 R 12 ABCD9EFG
N3LJK (+K3YWY)
13,380 154 60 R 3 ABCDE
N3KKM 11,233 190 47 R 7 ABCD
N3VOP 371 43 5 R 2 BD

Central

WB9SNR 76,600 398100 R 8
ABCD9EFGHI
K9JK (+AA9D)
58,800 366105 R 8 ABCD9EF
N9UTZ 9,682 142 47 R 7 ABCD
WB9TIY 6,840 117 38 R 4 ABCD9E
WA9LZM 1,323 49 27 R 2 AB
KB9LSP (+N9YTY)
300 25 12 R 4 AB

Dakota

WA2VOI 20,304 247 48 R 12 ABCD9EG

Delta

KF4AJO (KQ4TV,KB4IDC,ops)
11,055 136 55 R 5 ABCDE

Great Lakes

WA8NJR 62,252 485 79 R 12 ABCD9EF
AB4CR (+N4STK)
17,820 210 54 R 9 ABCD9EF
KF9US 11,960 136 65 R 7 ABCDE
AE4PT 1,456 54 26 R 3 ABD

Hudson

AA7QZ (+N2UAH)
54,510 593 69 R 5 ABCDE
N2SPF 12,480 140 64 R 4 ABCD
AA2WQ 1,469 86 13 R 3 BD
N2OPJ 704 62 11 R 4 BC
N2MNZ 450 35 10 R 2 BD
K2TTP 217 29 7 R 2 BD

Midwest

AJØE (+KØTLM)
8,586 117 54 R 5 ABCDH
KBØSME 5,830 79 53 R 6 BD
WRØI 4,814 116 29 R 5 ABDE

New England

N1RMU (+N1FGY)
18,732 253 42 R 5 BCD9EFGHI
N1ISB (+N1RCK)
14,313 230 39 R 4
ABCD9EFGHIJ
N1JAC 2,223 117 19 R 4 AB
KR1R 8 2 4 R 2 A

Northwestern

AA7VT 12,600 215 42 R 8 ABCDE
KA7YOU 4,301 180 23 R 8 BC
KC7QYR (+AB7FJ)
1,350 42 30 R 7 ABD

Pacific

KM6RH 8,775 130 39 R 8 ABCDE
KE6HGV 2,214 95 18 R 3 BCD
K6SMH 1,744 77 16 R 4 BD
KF7GD 969 49 15 R 2 BD
KF6CQJ 570 36 15 R 5 BD
WH6CZU 81 7 9 R 2 ABD

Roanoke

WA3WJO 32,370 255 82 R 8 ABCD9E
KC4ZRH (+KD4KWN)
16,464 227 56 R 6 ABCD
WR3Z (+ND3A)
11,685 227 41 R 6 ABCD
KB4NVD 8,109 122 47 R 4 ABD

Rocky Mountain

NØSWV 5,700 114 38 R 11 BD
KAØDXM 629 35 17 R 5 ABCD
KE5TN (+KB5URY)
132 12 11 R 4 AB

Southeastern

AD4DY 2,775 111 25 R 4 AB
K2OY 1,071 51 21 R 4 B

Southwestern

K6LMN 2,610 72 30 R 5 ABC

West Gulf

KK5RH (+KD4JDT)
5,005 121 26 R 9 ABD
NL7CO 180 15 12 R 4 B

Canada

VE3GBA 3,808 136 28 R 5 AB
VE7VDX 328 35 8 R 3 BD

Checklogs

AA3LE, K5MAT, KC7ERI, KB2VFT, KB2WZP, KB8RXG, KE6NTZ, KF4DRS, KO6VG, KR3O, N2NJU, N3WZH, N3XFM, N6FJX, VA2DOB, W3GN, W5ZE, WQ1V.