

# Results, 36th ARRL VHF Sweepstakes

By Mark J. Wilson,\* AA2Z

**A**s you read this, you're probably basking in the warmth of early summer. Perhaps you're looking ahead to the June VHF QSO Party in a few weeks. Maybe you've already gone hilltopping with your portable rig to check out a prime site. Undoubtedly, you've worked a new grid square or two on Es or aurora. Just as the hf operators tone down their activities during the summer months, the vhf operators pour it on. Summer is the time of year for vhf aficionados.

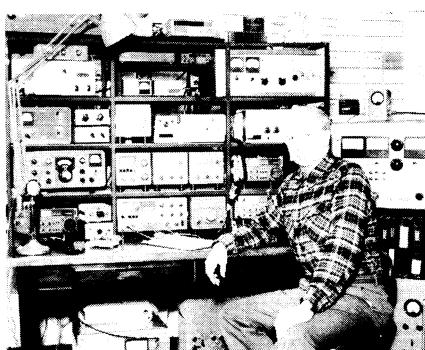
Now think back. Back to January 15 and 16. What were you doing that weekend? Chances are that you were one of 950 official entrants in the 1983 VHF Sweepstakes, and that you were going like mad racking up the QSOs during the contest. In the Northeast, anyway, the snow storm that blanketed the area seems to have encouraged people to stay home and operate.

In all, six new division records were set this year. The VE3LNX crew doubled the old 1979 VE1DXA Canadian multiop record with an excellent showing on six bands. Both the single op and multiop Atlantic Division records fell, with WA3AXV upping his own 1981 record by about 10,000 points and WA2OMY/3 smashing the 1981 W3KKN record by 23,000 points. In the Central Division, single op K9RO's fine effort netted him a new record about 2 kilopoints above his 1980 score. Out in the Midwest Division, the crew at N0IS added about 2 kilopoints to K0VUY's 1976 record — an excellent achievement from that part of the country in January. Finally, W1VD and friends took the WA1RWU New England record, set just last year, and upped the ante by close to 40,000 points.

Propagation wasn't outstanding for the contest. It hardly ever is in January. The good auroras and F-layer openings that occasionally occur that time of year seem to miss the contest by a week or two. Scatter was fair-to-middlin' this year, a welcome relief after last year's pitiful conditions.

The good conditions and high activity levels worked to produce some good scores. The bottom of this year's Top Ten for both single ops and multiops is about 10,000 points higher than last year's. WA3AXV came out on top of the single-op competition with another record-breaking score. Ron has made the top three in this contest since 1977. Second is WA2DPU, who also finished second in 1982 and 1981. Maybe next year, Bill? And in third place is another familiar call sign, W3HQT, last year's top man. All of the top single-op scores are from NJN, SNJ or EPA.

In the multiop class, this year's contest played host to intense competition between W1VD and WA1RWU. On a band-by-band basis, their scores are virtually identical, with only a few QSOs difference between them. Both groups are to be commended for outstanding efforts. Good things seem to come in "threes," as K8III dominated multiop in 1977, '78 and '79, and WA1RWU dominated the class in '80, '81 and



Carl, W0RGU, used this well-appointed station to win the Minnesota section again this year. A winter ice storm two weeks before the contest did in the antenna system, but all was repaired in time for the festivities.

'82. What will happen next year? The next four scores in the multiop class are interesting in that they all come from the Atlantic Division and they all broke the old Atlantic Division record. Congratulations to WA2OMY, W3KKN, K2AA and WB3CZG for fine efforts.

Among the affiliated-club entries that help make this contest so popular, the Mt. Airy VHF RC (Pack Rats) won the Unlimited Category and reaffirmed their right to continue their 22-year reign as top vhf club. It's no wonder, as seven of the top single ops and four of the top multiops are 'Rats. It's also encouraging to see both

## Top Ten

Single Operator	Multioperator
WA3AXV	W1VD
WA2DPU	WA1RWU
W3HQT	WA2OMY
WB2WIK	W3KKN
N2ASC	K2AA
K2MLB	WB3CZG
WA3LBI	W2SZ/2
W3HFY	AC3T
WA3NUF	W3ZD
W2EIF	WB2RVX

## Division Leaders

Single Op	Division	Multiop
VE3CRU	Canadian	VE3LNX <sup>†</sup>
WA3AXV <sup>t</sup>	Atlantic	WA2OMY <sup>t</sup>
K9RO <sup>t</sup>	Central	WB9NTL
W0RGU	Dakota	KC9P
W5RCI	Delta	N4VC
WD8ISK	Great Lakes	KC8AB
WB2WIK	Hudson	WB2SZ/2
W0RWH	Midwest	N0IS <sup>t</sup>
K1EM	New England	W1VD <sup>t</sup>
WA6NHB/7	Northwestern	K7ND
K6GSS	Pacific	N6EEK
WD4MUO	Roanoke	N8CMH
WA0LSH	Rocky Mountain	KQ0J
WB4NMA	Southeastern	N8BPB/4
WB6DTA/6	Southwestern	KE6IU
N5KW	West Gulf	K5LZO
JATRU	DX	—

<sup>†</sup>denotes new division record

Rochester clubs (NY and MN) hanging in there and generating massive amounts of local vhf interest.

## Affiliated-Club Competition

Club Name	Score	Entries	Single-Op Winner
<b>Unlimited Category</b>			
Mt. Airy VHF Radio Club	1,324,882	62	WA3AXV
Rochester VHF Group (NY)	748,896	143	WA2WVL
Rochester ARC (MN)	46,718	57	W0RGU
<b>Medium Category</b>			
Hampden Co. RA	280,576	39	KA1APR
South Jersey RA	238,030	20	WA2KOK
Ramapo Mountain ARC	236,096	19	K2MLB
Warminster ARC	222,598	30	WB3KNU
West Jersey Radio Amateurs	118,780	24	KX2W
Potomac Area VHF Society	112,714	12	W3IP
Murphy's Marauders	44,872	5	K1EM
Six Meter Club of Chicago	27,460	15	WA9FIH
Mobile Sixers RC	26,532	13	WA3JMM
<b>Local Category</b>			
Delaware Valley VHF Society	182,522	9	K3HP
Suburban ARC	169,640	9	WA3LBI
Splitrock ARA	107,700	10	WB2WIK
Dutchess Co. VHF Society	90,752	10	WA2TIF
A.W.A.R.E. (DE)	78,176	5	WB3LCG
Raritan Bay Radio Amateurs	59,232	3	WA2CWA
Mt. Tom Repeater Assn.	48,044	10	K1ZJH
Woodbridge Wireless	42,308	6	K4HWG
Toronto VHF Society	35,288	3	VE3CRU
Wellesley ARS	32,584	5	W1GCI
Long Island Mobile ARC	30,406	3	WA2FUZ
Chicago Suburban Radio Assn.	20,548	9	N9DKO
Penn Wireless Assn.	19,692	4	WB3JHX
Drumline ARC	18,958	6	WB2QKO
Keystone VHF Club	18,464	5	W2DG7
Gloster Co. ARC	17,508	4	WA2FPC
University of Mass. ARA	12,930	5	WB1FSV
IBM Owego ARC	11,016	3	K2QR
Granite State ARA	9674	5	AC1J
Fox River Radio League	3436	3	K9BQL

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The Medium Category was again led by the Hampden Co. RA of western Massachusetts and Connecticut. They were, in turn, followed rather closely by the South Jersey RA, the Ramapo Mountain ARC and the Warminster ARC.

In the Local Category, the Delaware Valley VHF Society took home the gavel again this year by a big margin. A new club, the Toronto VHF Society (VE3ONT), promises increased activity from Ontario in the future.

Congratulations to all of the clubs submitting scores, and thank you for promoting vhf activity and contest activity.

#### Single Operator Call Area Leaders — QSOs per Band

Call	50	144	220	432	1296+
K1EM	157	239	26	15	—
WA2DPU	187	434	89	120	24
WA3AXV	159	418	108	113	36
WD4MUO	74	173	—	27	—
N5KW	65	75	5	13	1
K6GSS	76	217	45	50	11
WA6NHB/7	56	149	—	21	—
WD8ISK	104	138	—	11	—
K9RO	123	231	—	—	—
WB8GRU	26	103	5	17	—
VE3CRU	45	126	16	31	11
JA1RJU	1	—	—	—	—



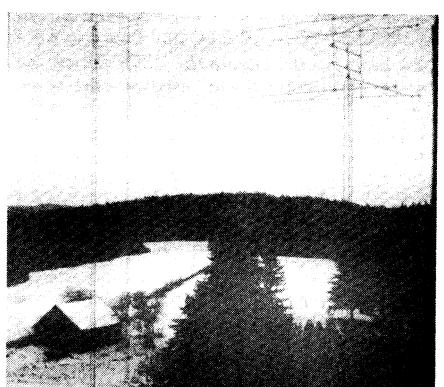
"Here's mud in yer eye" from the "Gentleman Contesters" at N6AJO, somewhere in the Santa Ynez Mountains. N6CFO is on the left, and KD6JY on the right. WB6RIJ is taking the photo, but we trust he is also suitably attired.



Red, WB3LNZ, is one of the operators from eastern Pennsylvania who helped the Delaware Valley VHF Society win the gavel for the local-club category in the club competition.

#### Multipoperator Call Area Leaders — QSOs per Band

Call	50	144	220	432	1296+
W1VD	378	604	70	126	3
K2AA	210	364	66	109	—
WA2OMY/3	214	394	114	92	13
W4BFB	42	154	4	—	—
K5LZO	40	50	—	5	—
KE6IU	24	88	30	9	—
K7ND	54	90	18	18	1
KC8AB	183	233	—	—	—
WB9NTL	55	130	8	12	—
N0S	63	129	—	18	—
VE3LNX	85	186	23	46	11



The WA1RWU group photo commemorates a nationwide second-place multiop finish and a job well done. In the back row (l-r) are WA1QVK, K1FO, K1TOL, AK4L, and WA1RWU. Up front (l-r) are WB1CAC and K1WHS. The site is, once again, the 2000-foot summit of October Mountain in western Massachusetts.

#### SOAPBOX

Heavy snows made the road to our planned mountain-top location impossible, so we decided to go to the flatlands and make South Carolina a little less rare (W4BFB). After spending over six months building a 220 transverter, I finally made my first QSO one hour into the contest (K8DIO). The wood stove in the shack (located in a 120-year-old barn) performed well against the outside wind and snow and +10° F temperatures (K8ZES/2). The final antenna count for this madness is 15, plus low-band trap dipole (K6GSS). Spent more time operating my snow blower than my rig! (WA1TBV). Worked on antennas in snow storm until 1910Z Saturday. Murphy came home to roost; the 2-meter amp that had worked flawlessly for six months before the contest blew a tube (N8CMH). Poor conditions were a mixed blessing. The antennas froze south on Friday afternoon, so we would have been out of luck for aurora. Probably deserve the alligator award; we heard many weak signals calling, but couldn't get them beamed in (VE2CUA). It was a fine contest — my best ever — but the competition from the "big guns" was really intense (K2MLB). These contests are so much fun that you guys should run them every month. This way, all mental institutions could set up club stations (WA2CWA). Worked KC6A in LAX with 20 W on 432. I figure the distance is about 300 miles through the

mountains (K3ZAP/7). Picked up about 25 grid squares (W8CAP). Lost 432 preamp during contact with W1JR — think Joe jinxed me, Hi! Long live GaAs FETs? (W1RIL). The 6-meter dipole at 20 feet worked fine, but the band was dead for most of the contest (WD8DJR). I'm not sure which was worse, the propagation or the case of pneumonia I had during the contest (WA4ZIA). Let's adopt the grid system for use as multipliers, add scoring multipliers for low power operation, and remove fm operation from 144 and 432 MHz (WB8JSP). Saturday night I went down off the windy, freezing mountain, but left the antennas up and ready for the morning. Early Sunday morning, I returned to find the Forest Service ranger dismantling my antennas. He assumed I had abandoned the site (K6LMN). Rough conditions. Not much activity, S8 noise level on 6 and 2. Couldn't pull the weak ones in; must have missed 200 QSOs! Sorry, guys — we tried (KC8AB). Special thanks to W7YQZ, who not only lent me his IC-551D on pre-contest Friday, but also spent contest Saturday home-brewing a 6-meter cw rig so he could work me on all five bands (KK7B). The Jr. Boomer in the attic was about 3 inches off the floor (KR2Q). Too bad the big aurora on Jan. 9 didn't wait another week for the contest (KF3Y). Used the YL's call as a birth-

day present to her. She was sure surprised! (N6EEK). Had been on 2-meter ssb about a week before the contest. Looking forward to June (WD8OXE). Worked 53 QSOs/11 multipliers on 6 meters with 1/2-W output and a 7-element quad up 20 feet. Guess what I'm trying to say is, "Look what can be done amongst the kilowatts!" (WA2TPU). One advantage of scanning all frequencies was finding a pilot training center instructing ultra-light pilots bootlegging illegally on the 2-meter band. The conversations got pretty interesting when it came time to land! (WA5VJB). This VHF SS was the best one that I have experienced in 13 years of operating! (VE3DSS). Developed a severe case of laryngitis — had to do lots of cw! Great to hear all the 220-and-above activity (W1JR).

#### FEEDBACK

Please refer to June 1982 *QST*, page 83, for the following corrections to the results of the 35th ARRL VHF Sweepstakes. In Eastern Massachusetts, WB1FUB should be shown as the section leader. K1FWF's actual score should have been 14,900 points. In Georgia, W4VO should have been listed as multioperator (WB4AEH and WA4TPJ oprs.), making them the section winner and Division leader.

#### Scores

Call, score, QSOs, multiplier, bands operated (A = 50 MHz; B = 144 MHz; C = 220 MHz; D = 432 MHz; E = 1296 MHz; F = 2.3 GHz; G = 3.4 GHz; H = 5.7 GHz; I = 10 GHz).

1	WB1PV	20,250	289-17	ABCDE	KA1FCR	9260	195-14	AB	KA1FIR	5800	130-13	B	WA1GTP	2464-	56-12	AB		
	WB1XX	16,530	256-19	ABCD	WA1ZNT	9120	190-14	AB	KA1GII	5400	116-10	B	WA1HHL	1938-	51- 9-			
Connecticut	WB1BKS	13,716	254-17	B	KA1YR	8844-	201-12	B	WA1WEF	4028-	106-	B	KA1HVX	984-	41- 2	B		
	K1ZJH	12,650	253-15	AB	WA1LQW	8832-	184-14	B	KA1GII	3948-	94-11	A	WA1KDR	578-	17- 7	AB		
	WB1 (KA1ECL, opr.)	12,096	224-17	AB	WA1FAJ	6996-	123-12	ABCD	KA1IP	3720-	93-10	B	W1VWD	(+K1JX, KA1GD, WA1STO)				
K1EM	27,724-	437-19	- ABCD	WA1VRH	6600-	150-12	B	K1THP	3520-	80-12	B		128,616-1181-36-	ABCDFI				
K1PXE	24,030-	296-17	- ABCDE	WA1FXS	9850-	197-15	B	WA1EHL	6072-	127-13	- ABD	KA1BIU	3072-	64-14	B	(+K1GX, WB1FVS)		
													36,040-	439-24-	ABCDE	36,040-	439-24-	ABCDE

KIMUJ (Wals DCP, HYN, RLV, opr.)	11,270- 198-13- ABCD	WIPUO (KAIPO, WAIFCD, opr.)	9522- 207-13- B	K1TQ	13,728- 294-12- ABD	KA2NHQ	4008- 167- 2- B	AC3T (+N3BHS)	49,080- 707-20- ABCD
Eastern Massachusetts		WB1ETS (+N1AEH)	7406- 161-13- AB	W2EKB	13,400- 293-10- ABCD	WA2ELC	4008- 167- 2- B	WA3AXV	91,494- 832-29- ABCDEF
W1JRW	20,696- 247-16- ABCDEF	2	9522- 207-13- B	K2SQS	12,920- 323-10- AB	M2TW	3978- 153- 3- AB	W3RQF	56,384- 640-22- ABCDEF
KA1DHO	12,428- 186-16- ABCDE	WA3TXR	10,608- 192-14- ABCD	W2HRW	12,550- 246-15- ABD	K2KWK	3926- 151- 3- AB	WA3LBI	46,500- 591-21- ABCDE
W1GKT	9744- 173-14- ABCD	W1JOF	9400- 155- BD	KC2J	12,400- 220-15- ABD	WB2UTI	3900- 150- 3- B	W3HFY	43,200- 542-20- ABCDE
W1FPM	5960- 134-10- ABD	W1FPM	5336- 110-13- ABD	KC2T	11,040- 184-20- A	W2YGM	3840- 160- 2- B	WA3NUF	41,496- 567-16- ABCDEF
W4XK	5336- 110-13- ABD	WA2TEO	36,820- 460-25- ABCDEF	WB2ANJ	10,560- 240-12- AB	KA2BNL	3744- 144- 3- AB	K3MMV	37,990- 508-19- ABCD
K1DAT	4738- 103-13- A	WA2TIF	33,920- 480-22- BD	N2RF	9552- 199-14- AB	K2MOY	3744- 78-14- AB	K3IUW	37,440- 533-14- ABCDE
KA1FVG	4147- 90-3- B	WB2KJY	31,266- 501-17- ABCD	WA2WJL	9246- 201-13- B	WB2ZFS	3672- 153- 2- AB	K3HP	37,422- 546-17- ABCD
KA1CZR	3456- 91-11- B	WB2KMF	10,080- 188-14- BC	AG2J	9154- 199-13- B	M2JC	3614- 139- 3- B	WA3YUE	37,232- 559-16- ABCD
N1BC	3456- 91-11- B	W2LW	8694- 161-17- A	WA2PFC	8416- 221- 6- ABCD	WB2UTM	3600- 108- 5- ABCD	W0RSJ/F	34,320- 429-20- ABCDE
K1BA	2640- 66-10- B	K2QE	8736- 156-18- B	WB2XU	5240- 96-10- ABC	WA2MFY	3456- 144- 2- B	WA3JUF	33,488- 614-16- ABCDEF
K1UR	1696- 52- 6- ABD	WB2FHR	8476- 163-16- B	WB2ALQ	4964- 146- 7- AB	K2JA	3336- 139- 2- AB	WA3HFY	43,200- 542-20- ABCD
K1CHY	1590- 47- 5- ABCD	AB2I	8100- 162-15- B	WB2RJH	4680- 130- 8- AB	W2KDR	3042- 126- 3- AB	WA3AJ	32,112- 521-14- ABCD
WA1ZLQ/M1	1080- 31- 5- BCD	K2DPL	7500- 140-15- BC	K2JLA	4420- 170- 3- B	K2UW	3288- 137- 2- AB	WA3NWL	31,552- 398-19- ABCD
W1FJF	1008- 36- 4- B	WB2HZX	7398- 137-17- B	KY2C	4290- 165- 3- B	KA2NBK	3250- 125- 3- B	K3IUV	37,440- 533-14- ABCDE
W1AX	750- 25- 5- B	N2EK	5824- 104-14- B	WB2QJL	6720- 146-11- ABD	KA2KDA	3224- 120- 3- BC	K3LPZ	37,422- 546-17- ABCD
KA1AMR	22- 1- 1- B	K2VNW	5550- 111-15- B	WB2BMM	5460- 130-11- AB	WA250R	3212- 146- 1- AB	WA3YUE	37,232- 559-16- ABCD
N1BLI (+N1BCG)	9150- 176-15- ABD	K2GSF	5460- 105-16- B	W2GG	5400- 135-10- B	WB21PT	3072- 128- 2- B	W0RSJ/F	34,320- 429-20- ABCDE
K1TK (+W1LG, N2AMC)	8208- 146-14- ABCD	WB2SH	4748- 87-14- AD	WA2TRJ	3900- 150- 3- B	K2BK	3016- 128- 1- B	WA3JUF	33,488- 614-16- ABCDEF
W1XM (+W1LG, N2ME, oprs.)	3128- 58- 7- ABCD	WB2ML	2360- 56-19- B	WB2RCB	3198- 123- 3- B	K2GMZ	3068- 118- 3- AB	WA3HFY	43,200- 542-20- ABCD
New Hampshire		WB2MJO	1800- 51- 8- B	WB2RJ	3172- 120- 3- B	KC2AW	3052- 109- 4- AB	WA3AJ	32,112- 521-14- ABCD
WB1CJT	24,600- 342-20- ABCDE	WB2KBM	1369- 38- 8- B	WB2QW	2880- 110- 3- B	WB51GD	3042- 126- 2- B	WA3NWL	31,552- 398-19- ABCD
WA1OUB	23,670- 263-35- A	WB2LW	1080- 27-10- B	WB2AF	2880- 120- 2- B	K3IIT	31,266- 474-17- ABCD	K3L2Z (+WA3KPF, opr.)	29,736- 502-18- ABC
AP1FT	19,560- 279-20- ABCDE	WB2AF	1080- 27-10- B	WB2QJ	2856- 106- 3- B	WB3HNU	26,676- 337-16- ABC	WA3YUE	37,232- 559-16- ABCD
W1JSJ	6200- 124-15- B	WB2AF	1080- 27-10- B	WB2QK	2856- 106- 3- B	WB3ENU	26,672- 476-14- ABC	W0RSJ/F	34,320- 429-20- ABCDE
K1KA	4884- 105-12- ABD	N.Y.C. & Long Island		WB2QW	2856- 106- 3- B	WB3ESS	24,590- 299- 19- BC	WA3JUF	33,488- 614-16- ABCDEF
KA1CDZ	4788- 114-11- AB	K2A	800- 25- 6- B	WB2ZOD	3240- 90- 8- A	M2CL	23,352- 374-17- ABC	WA3HFY	43,200- 542-20- ABCD
KG1T	4392- 114- 8- ABD	WB2ZP	53,580- 625-28- ABCD	WB2ZP	3240- 90- 8- A	WA2PBL	23,128- 340-18- ABC	WA3AJ	32,112- 521-14- ABCD
WA1GDR	2040- 60-10- B	WB2ZP	1800- 51- 8- B	WB2ZP	3240- 90- 8- A	K2EAW	23,064- 340-18- ABC	WA3NWL	31,552- 398-19- ABCD
K1TA	1548- 49- 7- B	WB2ZU	15,456- 267-16- ABCDE	WB2ZP	3240- 90- 8- A	WB51GD	23,064- 340-18- ABC	K3HFH	18,648- 330-11- ABCD
K1BJ	1548- 43- 8- B	WB2ZWR	13,727- 237-18- AB	WB2ZP	3240- 90- 8- A	K2A2X1	23,064- 340-18- ABC	WA3YUE	37,232- 559-16- ABCD
N1CAK	702- 27- 3- B	WB2ZP	12,936- 231-18- AB	WB2ZP	3240- 90- 8- A	KA2OMX	23,064- 340-18- ABC	W0RSJ/F	34,320- 429-20- ABCDE
K1AXD	672- 24- 4- B	K2ZM	12,792- 246-16- B	WB2ZP	3240- 90- 8- A	WB2SSU	24,000- 100- 2- B	WB3LNZ	17,904- 352-14- ABCD
Rhode Island		WB2ZP	11,040- 216-13- ABC	WB2ZP	3240- 90- 8- A	K2CTN	2398- 109- 1- B	K3HMX	16,664- 340-11- ABC
KIDS (+K1PAM)	10,800- 400-17- ABCD	WB2ZP	5720- 110-16- B	WB2ZP	3240- 90- 8- A	KA2BH	2376- 99- 2- AB	K3VYV	16,412- 297-12- ABC
WB2ZP	5040- 70- 8- D	N2BK	936- 36- 3- AB	WB2ZP	3240- 90- 8- A	K2JY	2322- 106- 1- B	K3KTY	15,776- 246-19- ABCD
WB2ZP	6400- 115-10- AB	WB2ZP	1080- 49- 8- BD	WB2ZP	3240- 90- 8- A	KA2DBD	2304- 96- 2- AB	WB3EPU	15,736- 281-18- B
WB2ZP	1936- 20- 8- C	WB2ZP	1080- 49- 8- BD	WB2ZP	3240- 90- 8- A	K2JRK	2280- 95- 2- B	K3NHX	13,946- 266-11- ABCD
WB2ZP	936- 18- 3- C	WB2ZP	1080- 49- 8- BD	WB2ZP	3240- 90- 8- A	M3ET	13,746- 237-19- B	WA3JUF	33,488- 614-16- ABCDEF
Vermont		WB2ZP	23,160- 346-20- ABD	WB2ZP	3240- 90- 8- A	WB3JHD	13,120- 227-10- BC	WA3HFY	43,200- 542-20- ABCD
WIAIM	6850- 122-15- ABCD	WB2ZP	10,350- 201-13- ABCD	WB2ZP	3240- 90- 8- A	K3K3B	12,672- 264-14- B	WA3YUE	37,232- 559-16- ABCD
WB1CQR	10-10- 45- 9- AB	K2OVS	(+ 1 opr.)	WB2ZP	3240- 90- 8- A	KA2BHK	2266- 100- 1- B	K3B1B	12,116- 211-16- BD
WA1TBV	1178- 31- 9- A	WB2ZP	5550- 100-15- ABD	WB2ZP	3240- 90- 8- A	K2EWC	2236- 89- 2- AB	K3B1B	12,116- 211-16- BD
K1IM	988- 26- 7- B	N2AR	6400- 115-10- AB	WB2ZP	3240- 90- 8- A	WB2ZP	2216- 89- 2- AB	K3C8E	12,052- 224-13- ABC
WA1ZQJ	1936- 20- 7- B	WB2ZP	2016- 49- 8- BD	WB2ZP	3240- 90- 8- A	K3ACR	11,968- 301- 7- ABC	WA3YUE	37,232- 559-16- ABCD
W1EZX	390- 13- 5- A	WB2ZP	936- 18- 3- C	WB2ZP	3240- 90- 8- A	K3Q0Q	11,840- 235-10- BC	WA3HFY	43,200- 542-20- ABCD
K1KWX (+K1GOX, IKN, KA1CQO, WA1H, TMZ, ZPY, W2MCF)	20,474- 355-19- ABC	WB2ZP	21,160- 346-20- ABD	WB2ZP	3240- 90- 8- A	W3HK	11,400- 226-10- ABC	WA3DWA	10,548- 247- 8- ABC
Western Massachusetts		WB2ZP	59,136- 749-22- ABCD	WB2ZP	3240- 90- 8- A	K3DMA	10,200- 242- 7- ABCD	K3CAS	10,200- 242- 7- ABCD
K1APR	24,180- 353-20- ABCD	WB2ZP	41,850- 587-17- ABCD	WB2ZP	3240- 90- 8- A	WA3EHD	10,132- 298- 7- AB	WA3TSE	10,132- 298- 7- AB
WB1CQR	19,926- 348-17- BD	K2OVS	(+ 1 opr.)	WB2ZP	3240- 90- 8- A	WB2ZP	3240- 90- 8- A	WA3TSE	10,132- 298- 7- AB
WA1TBV	1178- 31- 9- A	WB2ZP	5550- 100-15- ABD	WB2ZP	3240- 90- 8- A	WB2ZP	3240- 90- 8- A	WA3TSE	10,132- 298- 7- AB
K1IM	988- 26- 7- B	WB2ZP	10,350- 399-23- AB	WB2ZP	3240- 90- 8- A	WB2ZP	3240- 90- 8- A	WA3TSE	10,132- 298- 7- AB
WA1ZQJ	1936- 20- 7- B	WB2ZP	26,232- 348-21- ABCD	WB2ZP	3240- 90- 8- A	WB2ZP	3240- 90- 8- A	WA3TSE	10,132- 298- 7- AB
K1SF	5060- 101-13- ABC	WB2ZP	24,020- 400-11- B	WB2ZP	3240- 90- 8- A	WB2ZP	3240- 90- 8- A	WA3TSE	10,132- 298- 7- AB
WB1APD	4200- 100-11- B	K2BTJ	9246- 201-13- AB	WB2ZP	3240- 90- 8- A	WB2ZP	3240- 90- 8- A	WA3TSE	10,132- 298- 7- AB
WB1EQS	4192- 131- 6- B	WB2ZP	15,900- 302-16- B	WB2ZP	3240- 90- 8- A	WB2ZP	3240- 90- 8- A	WA3TSE	10,132- 298- 7- AB
K1CRG	4140- 115- 8- B	N2CTF	51,712- 647-22- ABCDE	WB2ZP	3240- 90- 8- A	WB2ZP	3240- 90- 8- A	WA3TSE	10,132- 298- 7- AB
WB1GLZ	4120- 103-10- AB	WB2ZP	15,704- 238-16- ABCD	WB2ZP	3240- 90- 8- A	WB2ZP	3240- 90- 8- A	WA3TSE	10,132- 298- 7- AB
W1UPH	4000- 100-10- B	N2CTF	15,704- 238-16- ABCD	WB2ZP	3240- 90- 8- A	WB2ZP	3240- 90- 8- A	WA3TSE	10,132- 298- 7- AB
WB1EHS	3960- 90-12- B	WB2ZP	15,704- 238-16- ABCD	WB2ZP	3240- 90- 8- A	WB2ZP	3240- 90- 8- A	WA3TSE	10,132- 298- 7- AB
W1WLE	3916- 89-12- B	WB2ZP	15,704- 238-16- ABCD	WB2ZP	3240- 90- 8- A	WB2ZP	3240- 90- 8- A	WA3TSE	10,132- 298- 7- AB
W1NLW	3458- 91- 9- B	WB2ZP	15,704- 238-16- ABCD	WB2ZP	3240- 90- 8- A	WB2ZP	3240- 90- 8- A	WA3TSE	10,132- 298- 7- AB
WB1KXC	3096- 85- 8- BC	WB2ZP	15,704- 238-16- ABCD	WB2ZP	3240- 90- 8- A	WB2ZP	3240- 90- 8- A	WA3TSE	10,132- 298- 7- AB
WA1GXY	3052- 102- 4- B	WB2ZP	15,704- 238-16- ABCD	WB2ZP	3240- 90- 8- A	WB2ZP	3240- 90- 8- A	WA3TSE	10,132- 298- 7- AB
WB1ZKX	102- 10- 2- B	WB2ZP	15,704- 238-16- ABCD	WB2ZP	3240- 90- 8- A	WB2ZP	3240- 90- 8- A	WA3TSE	10,132- 298- 7- AB
WA1PZ	2680- 96-14- B	WB2ZP	15,704- 238-16- ABCD	WB2ZP	3240- 90- 8- A	WB2ZP	3240- 90- 8- A	WA3TSE	10,132- 298- 7- AB
N1CAS	1976- 73- 3- B	WB2ZP	15,704- 238-16- ABCD	WB2ZP	3240- 90- 8- A	WB2ZP	3240- 90- 8- A	WA3TSE	10,132- 298- 7- AB
WB1DLH	1944- 81- 2- B	N2AAZ (+WA2UPK, MD2AA1)	36,348- 512-16- ABCDE	WB2ZP	3240- 90- 8- A	WB2ZP	3240- 90- 8- A	WA3TSE	10,132- 298- 7- AB
WB1EMB	1924- 74- 3- B	N2AAZ (+WA2UPK, MD2AA1)	30,744- 538-18- ABC	WB2ZP	3240- 90- 8- A	WB2ZP	3240- 90- 8- A	WA3TSE	10,132- 298- 7- AB
K1YOU	1908- 53- 8- B	WB2ZP	30,744- 538-18- ABC	WB2ZP	3240- 90- 8- A	WB2ZP	3240- 90- 8- A	WA3TSE	10,132- 298- 7- AB
WB1PSV	1656- 46- 8- A	WA2JSM (+KA2NDZ)	14,448- 246-14- BCD	WB2ZP	3240- 90- 8- A	WB2ZP	3240- 90- 8- A	WA3TSE	10,132- 298- 7- AB
N1CDR	1632- 68- 2- B	WB2ZP	12,908- 361-19- ABCD	WB2ZP	3240- 90- 8- A	WB2ZP	3240- 90- 8- A	WA3TSE	10,132- 298- 7- AB
WA1VH	1624- 58- 4- B	K2CBG (+N2BNB, WM, WA2ANQ)	12,908- 361-19- ABCD	WB2ZP	3240- 90- 8- A	WB2ZP	3240- 90- 8- A	WA3TSE	10,132- 298- 7- AB
WA1YYW	1440- 60- 2- B	K2BHG	14,448- 246-14- BCD	WB2ZP	3240- 90- 8- A	WB2ZP	3240- 90- 8- A	WA3TSE	10,132- 298- 7- AB
K1FIR	1372- 49- 4- B	K							

WB3CZG	(+K2J1Q,K3MKZ, W3AVC,WB3s CAA,FAA,FET, FTY)	56,480- 631-30- ABCD	W4FLW	672- 21- 6- AB	San Joaquin Valley	9	KBOYL	902- 41- 1- B		
W3ZD	(+KF6AJ)	44- 268- 585-21- ABCD	N4VC	(+WB4KMF,WD4DGF)	5750- 117-13- ABCD	W6YKM	5016- 101-12- ABD	WAQULE	888- 36- 2- ABC	
AK3O	(+N3DCR)	32,886- 528-17- ABCD	K4VPK	(+KS4J)	1558- 38- 9- ABC	K6JKQ	3936- 85- 6- ABCDE	KQSE	868- 31- 4- AB	
W3CCX/3	(K3DLS,KD6KD,WB3POF, WB3s CPW,CTP oprs.)	12,600- 222-18- ABCD	WD4MUO	17,458- 274-19- ABD	Santa Barbara	K9RO	32,220- 358-35- AB	WBQHU	840- 14- 5- D	
WB3H2U	(K3GDI,K3ACCA,W3SST, WB3AWJ,oprs.)	7756- 212- 4- BC	K4HMG	13,048- 203-18- ABD	W6RIC	9900- 136-20- ABCDE	NBBSG	814- 37- 1- B		
WB3HH0	(+WB3HHP)	11,752- 111-16- ABCDE	N6CFO	(+K6DJY,WB6RIJ)	3072- 69- 6- ABCD	K9MDO	8568- 184-11-20- BD	NQDJC	792- 32- 2- BC	
K3PHY	(+Net)	11,328- 197-14- BCD	K4LHM	12,480- 200-16- ABCD	K9AKS	4922- 107-13- B	WBQH	792- 36- 1- B		
WA3RSQ	(+WA3KEY,WB3CDL)	11,136- 164-19- ABCD	W3IY/4	11,752- 111-16- ABCDE	K9F1H	4576- 125- 6- ABCD	KBQUEZ	748- 31- 1- BD		
WB3HHP	(+WB3HHP)	12,600- 222-18- ABCD	K4OUP/4	10,380- 166-20- ABCD	K9AKM	4922- 107-13- B	WBQWT	638- 29- 1- B		
WB3H2O	(+WB3H2O)	11,328- 197-14- BCD	WD4GKN	8060- 126-16- ABCDE	WB9MM	2900- 58-15- B	WBQHTX	550- 25- 1- B		
K3J1E	7392- 222- 4- BC	K4TUP/4	8606- 126-16- ABCD	W9V1V	2754- 73- 7- ABD	KAOXO	528- 24- 1- B			
WA3RSQ	(+WA3KEY,WB3CDL)	7260- 165-12- A	K4LHM	6000- 143-16- B	K9DQK	2720- 85- 6- B	KQXJ	506- 23- 1- B		
WB3HHP	(+WB3HHP)	3668- 93- 4- BC	WD4GKN	4464- 143-16- B	WB9NEY	2166- 57- 9- B	NBDSO	506- 23- 1- B		
Maryland D.C.		K3J1E	4000- 80-10- AB	K4TUP/4	2952- 82- 8- A	K9QYT	2040- 79- 2- BD	WB7NRX	352- 16- 1- B	
WB3H2O	(+WB3H2O)	3822- 91-11- B	WD4GKN	1200- 40- 5- A	K9ZMU	1848- 69- 2- ABC	KABKAW	330- 15- 1- B		
WB3H2O	(+WB3H2O)	2688- 53-11- BD	WD4GKN	1020- 17- 5- D	WB9WV	1848- 69- 2- ABC	KCBHC	330- 15- 1- B		
WB3JVD	928- 29- 6- B	K3J1E	1372- 31- 4- ABCD	W9NMG	1638- 63- 3- AB	NBBOC	330- 15- 1- B			
WB3LJK	(+K3ONW)	1824- 48- 9- AB	K4TUP/4	1216- 38- 6- B	WA9CJZ	1584- 62- 2- AB	KBPN	312- 13- 2- B		
WB3H2O	(+WB3H2O)	11,640- 102-19- ABCDE	WD4GKN	1116- 28- 8- ABCD	K9QFJ	1544- 52- 2- BCD	KOJCF	286- 13- 1- B		
K3AKR	8450- 147- 15- ABCD	K4TUP/4	6000- 143-16- B	K9QFJ	1544- 52- 2- BCD	NBQCB	264- 12- 1- B			
WB3H2O	(+WB3H2O)	990- 33- 5- A	K4TUP/4	6120- 143-16- B	K9QFJ	1544- 52- 2- BCD	NBQCB	264- 12- 1- B		
WB3H2O	(+WB3H2O)	720- 20- 8- A	K4TUP/4	6120- 143-16- B	K9QFJ	1544- 52- 2- BCD	NBQCB	264- 12- 1- B		
WB3H2O	(+WB3H2O)	1080- 30- 8- B	K4TUP/4	6120- 143-16- B	K9QFJ	1544- 52- 2- BCD	NBQCB	264- 12- 1- B		
WB3H2O	(+WB3H2O)	928- 29- 6- B	K4TUP/4	6120- 143-16- B	K9QFJ	1544- 52- 2- BCD	NBQCB	264- 12- 1- B		
WB3LJK	(+K3ONW)	8300- 166-15- AB	K4TUP/4	6120- 143-16- B	K9QFJ	1544- 52- 2- BCD	NBQCB	264- 12- 1- B		
Western Pennsylvania		WB3LJK	30,426- 391-23- ABCD	K4TUP/4	6120- 143-16- B	K9QFJ	1544- 52- 2- BCD	NBQCB	264- 12- 1- B	
WB3H2O	(+WB3H2O)	3696- 61-14- BCD	W5RC1	3696- 61-14- BCD	K2DRN/7	2418- 74- 3- ABCDE	WB9YMI	220- 10- 1- B		
WB3H2O	(+WB3H2O)	728- 25- 4- ABD	W5UCY	728- 25- 4- ABD	K1L7W	352- 15- 1- ABD	WB9YVO	198- 9- 1- B		
WB3H2O	(+WB3H2O)	1824- 48- 9- AB	WB3H2O	1824- 48- 9- AB	KL70X	44- 2- 1- AB	KAPPHN	198- 6- 2- BC		
5		WB3H2O	1824- 48- 9- AB	WB3H2O	1824- 48- 9- AB	K9U5W	748- 34- 1- AB	WB9YX	176- 8- 1- B	
Mississippi		WB3H2O	1824- 48- 9- AB	WB3H2O	1824- 48- 9- AB	KC9UM	660- 30- 1- B	WB9YCO	154- 7- 1- B	
New Mexico		WB3H2O	1824- 48- 9- AB	WB3H2O	1824- 48- 9- AB	N9CLJ	504- 21- 2- B	WB9YCO	154- 7- 1- B	
Northern Texas		WB3H2O	1824- 48- 9- AB	WB3H2O	1824- 48- 9- AB	N9BFS	396- 18- 1- B	WB9YCO	154- 7- 1- B	
Montana		WB3H2O	1824- 48- 9- AB	WB3H2O	1824- 48- 9- AB	WB9RC	286- 11- 3- B	WB9YCO	154- 7- 1- B	
Nevada		WB3H2O	1824- 48- 9- AB	WB3H2O	1824- 48- 9- AB	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B	
Indiana		WB3H2O	1824- 48- 9- AB	WB3H2O	1824- 48- 9- AB	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B	
Oklahoma		WB3H2O	1824- 48- 9- AB	WB3H2O	1824- 48- 9- AB	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B	
Utah		WB3H2O	1824- 48- 9- AB	WB3H2O	1824- 48- 9- AB	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B	
Alabama		WB3H2O	1824- 48- 9- AB	WB3H2O	1824- 48- 9- AB	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B	
WB4NPL	2760- 60-13- AB	WB3H2O	1824- 48- 9- AB	WB3H2O	1824- 48- 9- AB	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B	
4		WB3H2O	1824- 48- 9- AB	WB3H2O	1824- 48- 9- AB	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B	
WB3H2O	(+AE1,CXR,ops.)	3750- 74-15- ABC	WB3H2O	1824- 48- 9- AB	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B		
Kentucky	6	WB3H2O	1824- 48- 9- AB	WB3H2O	1824- 48- 9- AB	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B	
Georgia		WB3H2O	1824- 48- 9- AB	WB3H2O	1824- 48- 9- AB	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B	
WB4NMA	5904- 110-14- ABC	KC5GB	1620- 54- 5- B	K4TUP/4	1620- 54- 5- B	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B	
WD4JQW	2470- 55- 9- ABCD	KD5ERG	1508- 51- 3- ABD	K4TUP/4	1620- 54- 5- B	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B	
K5TF/4	780- 26- 5- B	K5LZ0	(+WB9MSV)	6400- 95-12- ABD	K4TUP/4	1620- 54- 5- B	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B
WD4MBK	672- 11- 4- D	WB5KTC	(+AD51)	4260- 131- 5- ABD	K4TUP/4	1620- 54- 5- B	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B
WB4SLM	442- 17- 3- AB	WB5KTC	(+AD51)	2496- 60- 6- ABDE	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B
KA4ATI	182- 7- 3- A	WB5KZQ	(+AD51)	2496- 60- 6- ABDE	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B
Kentucky	6	WB5KZQ	(+AD51)	2496- 60- 6- ABDE	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B
East Bay	8	WB5KZQ	(+AD51)	2496- 60- 6- ABDE	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B
Michigan		WB5KZQ	(+AD51)	2496- 60- 6- ABDE	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B
Los Angeles		WB5KZQ	(+AD51)	2496- 60- 6- ABDE	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B
Northern Florida		WB5KZQ	(+AD51)	2496- 60- 6- ABDE	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B
Orange		WB5KZQ	(+AD51)	2496- 60- 6- ABDE	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B
South Carolina		WB5KZQ	(+AD51)	2496- 60- 6- ABDE	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B
Ohio		WB5KZQ	(+AD51)	2496- 60- 6- ABDE	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B
Kansas		WB5KZQ	(+AD51)	2496- 60- 6- ABDE	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B
Pacific		WB5KZQ	(+AD51)	2496- 60- 6- ABDE	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B
Wisconsin		WB5KZQ	(+AD51)	2496- 60- 6- ABDE	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B
Colorado		WB5KZQ	(+AD51)	2496- 60- 6- ABDE	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B
Quebec		WB5KZQ	(+AD51)	2496- 60- 6- ABDE	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B
Ontario		WB5KZQ	(+AD51)	2496- 60- 6- ABDE	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B
British Columbia		WB5KZQ	(+AD51)	2496- 60- 6- ABDE	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B
Southern Florida		WB5KZQ	(+AD51)	2496- 60- 6- ABDE	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B
Tennessee		WB5KZQ	(+AD51)	2496- 60- 6- ABDE	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B
San Francisco		WB5KZQ	(+AD51)	2496- 60- 6- ABDE	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B
Minnesota		WB5KZQ	(+AD51)	2496- 60- 6- ABDE	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B
DX		WB5KZQ	(+AD51)	2496- 60- 6- ABDE	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B
WB3ZR/4	1824- 48- 9- AB	K6AAW	3060- 81- 7- ABCD	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B	
WD4HAL	44- 1- 1- C	K6AAW	1224- 36- 7- B	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B	
M8BBP/4	(+WB81CY)	K6AAW	1224- 36- 7- B	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B	
KB4CRT	(+WB400J)	K6AAW	1224- 36- 7- B	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B	
WB4QYK	3174- 52-13- ABCDE	WB6HSN	720- 23- 5- ABD	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B	
WB4HBC	1980- 45-12- B	WB6HSN	448- 16- 4- AB	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B	
WB4WUQ	1386- 33- 4- B	WB6HSN	448- 16- 4- AB	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B	
KEAHX	1350- 45- 5- AB	WB6HSN	448- 16- 4- AB	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B	
WB4DF5	704- 20- 6- BD	WB6HSN	2280- 69- 5- ABD	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B	
WB3CHS/8	5100- 102-15- B	K6AAW	1224- 36- 7- B	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B	
KJ8J	1710- 39- 9- BD	WB6HSN	1224- 36- 7- B	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B	
WB6AEC	612- 11- 7- AD	WB6HSN	1224- 36- 7- B	WB7UUP	(+KA7s HWE,JBW,JWV, KUE,WA71LC)	WB9MSV	5152- 143- 6- BCD	WB9YCO	154- 7- 1- B	
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