

Results, 32nd ARRL VHF Sweepstakes

Visiting the Higher Frequencies is Something Special.

By Bill Jennings,* K1WJ

The results of the 32nd running of the ARRL VHF Sweepstakes, January 13-14, 1979, seem to epitomize the doggedness and determination of the vhf contesters' spirit. Despite a deluge of post-contest reports that told horror stories of doom and gloom, terrible conditions, waning participation (nobody to work) and some of the worst weather conditions ever to hamper fixed stations and mountaintoppers alike, when all the entries were in and the results tabulated, this the latest VHF SS looks like a pretty darned good outing.

The statistics go something like this: entries received — 861, up from 838 a year ago; new all-time division records set — 12, six multioperator, six single operator; top ten single-operator average score — 45,695 points, up 11k points from the average top ten score in 1978; top ten multioperator score in 1979 — 46,011 points, up 7000 points from the 1978 average of 39,413. Fact. The one-million-point total for a club aggregate score has been reached and surpassed for the first time in VHF SS history.

In this the second year of the VHF SS scoring structure that rewards operation above 148 MHz with an increased points-per-QSO ratio, a number of stations/operators, taking to the higher bands, have broken all-time division scoring records, all-time section scoring records, and have bettered their own personal multiplier, QSO, or scoring totals. These achievements are highlighted in the score listings and the various "boxes" included in this report.

To those who have met or surpassed their VHF SS goals, a hearty "well done." To those who have met their fate at the hands of Old Man Murphy, "wait til next year."

Who better to tell the story of the contest than the participants themselves? Excerpts of several narratives, which were received here with VHF SS entries, follow.

Single Operators

"Conditions at this location were not good. No 'E' or tropo at all, just ground wave and very poor scatter. Not one opening on 6. Just like trying to pull hen's teeth to pick up another multiplier. Activity fair.

"Started out Saturday with a SWR of over 6 to 1 on 6 and 2 because of the ice cover. Couldn't hear a thing! Ice went away Saturday night after I beat the guy wires every 30 or so minutes. Almost cooked my amplifiers with the high SWR. Boy, do those 4CX250s make noise when they arc over!! Contest going slow, but

doing much better after ice; gonna get 'em now!

"Then there was Mr. Murphy's helper, WD4LGR. He gave me more competition than I care for. Boy is he tough.

"Conclusion: New call (KA4DCZ), ice on Saturday, S9 noise on Sunday and (Wild Dog 4 LGR) on my tail may have caused me to 'bite the bullet'." — KA4DCZ, NC

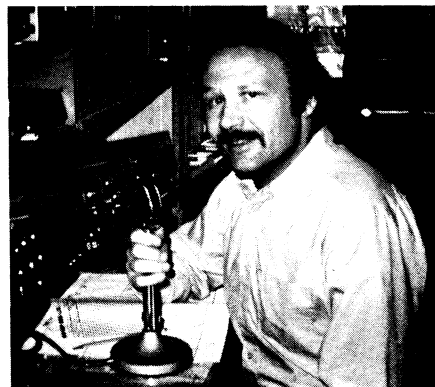
"Getting these logs out at the last minute but that goes along with the rest of the disaster this contest turned out to be. Mr. Murphy has been very kind to me for quite a few contests in a row. Think he decided to make up for lost time on this one. Getting set up in the bitter cold led to me getting sick and it has taken me three weeks to shake it. Early Sunday morning the freezing rain came and put the VSWR right out of sight. Considering my state of health, I packed it in early on Sunday. I was not able to get back up the mountain for three weeks and

about that time, I got a call from the people up there to come and rescue my antennas. The ice had continued to build up and eventually bent the 2-inch water pipe mast right over like wet spaghetti. The 220 and 432 beams survived without a scratch, but the 16-element one took a beating including a bent boom. It looks like I might be able to salvage it, though.

"So . . . all things considered, I think this will be the last attempt at winter mountaintop operation for a while. Last year I was fortunate, in that although there was a lot of snow up there, at least it was warm and dry during the contest. It's just too hard on the gear getting things set up in the winter. Well, we'll think about it next year." — KILPS, VT

Multioperator Stations

"The Cuyahoga Falls ARC decided to enter this contest a week prior to the event, although none of the members were equipped to operate



The king, WA3AXV.



K3MWV, number three single-operator score in the 1979 SS.

Top Ten

Single Operator Call

Call	Score
WA3AXV	64,512
W3HQT	61,864
K3MWV	56,576
WA2DPU	49,490
W3HFX	41,220
N3AHI	40,854
WB2SZK	37,488
K3IUU	36,540
W3HMU	34,720
W2EIF	33,694

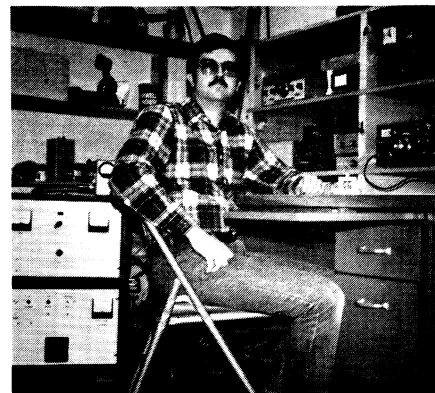
Multioperator Call

Call	Score
K8III	80,984
K2DEG	65,520
K2XR	54,464
W3KKN	45,198
WA1RWU	42,550
WA2SNA	41,602
K2NE	39,040
W8CCI	33,120
WB2LGC	31,958
W4BFB	25,680

*Communications Assistant, ARRL

Club Competition

Club Name	Score	No. of Entries	Club Winner
Unlimited Class			
Mt. Airy VHF RC (Del/NJ/PA)	1,175,988	75	WA3AXV
Rochester VHF Group (NY)	904,428	230	K2YCO
Medium Class			
South Jersey Radio Assn.	167,980	19	WA2KOK
Potomac Area VHF Society (MD/VA)	142,920	18	K3DUA
West Jersey Radio Amateurs	118,542	24	WB2GEX
550 ARC (NJ)	94,084	25	WB2QOQ
Hampden County RA (MA)	93,570	28	K1GXU
Gloucester County ARC (NJ)	66,274	13	AA2Z
Northern California CC	53,928	7	K6KLY
Mobile Sixers RC Inc. (Del/NJ/PA)	42,306	19	W3ETB
Murphy's Marauders (CT)	34,638	8	K1ZZ
Rochester ARC (MN)	12,170	14	W0VB
Local Class			
MIT Radio Society (MA)	33,460	5	N1HR
Ill Wind Contesters (IL)	31,460	4	K9MBX
Mitre-Bedford ARC (MA)	20,948	5	W1JR
Mt. Tom Amateur Repeater Assn. (MA)	14,554	5	W1JP
Six Meter Club of Chicago	11,662	7	WA9FIH
Lake Success RC (NY)	9,176	3	WB2GVD
Central Michigan ARC	8,936	4	WA8SQL
Northrop RC (CA)	7,548	3	W6CN
Warminster ARC (PA)	6,856	3	K3EBZ
Quad County ARC (PA)	5,906	5	WB3DVR
Skylands ARC (NJ)	5,906	3	WB2NCF
Indiana University ARC	1,528	3	W3EP/9



W2AV, half of the W2AV-WB2KAO team from Western New York.

the vhf bands. It was decided to operate from the home of WD8CVH and WB8VNO, but we had to put up the antennas and borrow equipment for 2-meter sideband. We erected a pair of stacked 5-element 6-meter beams at 60 feet, an 11-element 2-meter beam, a 7-element 220 beam, and a second tower to hold the 440 beam. All of this done in sub-zero weather. The operators were powered by 2-1/2 dozen sloppy joes, 2 cases of pop, and assorted munchies." — *WB8UNO/W8VPV, OH*

"It seemed like it was going to be a difficult project — working our first VHF SS, but WB7VQQ, WB7TIV and I (N7ACJ) were undaunted after having frozen (it was only 20 degrees) last weekend, getting the tower up just for this event. We weren't going to let a little thing like inexperience stop us. By the end of Saturday when we quit, we had amassed 34 QSOs (all on 2-meter fm), using all forms of subterfuge — like the mobiles who would come to the contest frequency from a repeater. We worked two unsuspecting fellows 70 miles away in Salem, Oregon — rolling up interstate 5. All in all, a successful weekend." — *N7ACJ/WB7VQQ, OR*

Clubs

When the club competition for the VHF SS is mentioned, it just seems natural to follow it up with the word Packrats. The Mt. Airy VHF Radio Club is number one in the unlimited class of club competition and the first and only club to break the one-million-point club aggregate barrier in the VHF SS. Enough said.

The other club in the unlimited class of club competition, the Rochester (NY) VHF Group can well be proud of a fine effort also. They added 200k points to their 1978 club aggregate and are on the threshold of breaking that magic one-megapoint barrier also.

The separation of the club competition into the three-tier system proved lucky for the South Jersey Radio Association and the MIT Radio Society, two clubs with excellent records of performance that deserve to win in their respective classifications.

Complacency has no place in the VHF SS club competition. Now that the competition is defined within each tier, we expect that real tooth and nail battles will develop for those three club gavels.

"As a historical note, back in 1963, the club came up with a slogan to help spur the group on — it was 'Time for a Million.' We never did make that goal and really didn't think that we

Single Operator Multiplier/QSO Leaders

Multiplier Leaders		QSO Leaders	
Call	No. Multipliers	Call	No. QSOs
WA1DZJ	24	K1FO	427
WA1OUB	22	W1JR	351
WB1FUB	22	K1ZZ	230
K1FO	21	W1EJ	197
WA2DPU	25	WA2DPU	603
WB2SZK	23	WB2SZK	465
K2LZF	23	W2EIF	440
WA2TEO	19	WB2YEH	385
W2EIF	19	WA2KOK	366
WA2KOK	19	K2YCO	354
WA2BPE	19	WB2RJJ	321
W3HQT	28	WA3AXV	741
WA3AXV	26	K3MWX	684
WA1NGR/3	25	W3HQT	657
K3MWV	23	W3HFX	550
K3IPM	23	N3AHI	506
WB3CXE	22	K3IUV	474
KA4DCZ	26	WD4MUO	237
WB4JGG	26	KA4DCZ	179
K4EJQ	13	WB4JGG	171
K5CM	17	WA5VJB	135
WB5JAR	7	WB5KTC	129
W6YKM	13	N6NB	529
WB6NMT	12	K6KLY	328
N6NB	10	WA6HCI	268
K6KLY	10	WB6FTW/6	215
WA6HCI	10	W6AMT	159
WA7KYZ	12	W7ZSL	210
W7ZSL	7	WA7KYZ	199
W7YOZ	7	W7YOZ	135
WB8IGY	27	WB8IGY	213
K8NXI	22	WA8OGS	213
WA8OGS	21	K8NXI	180
K9RO	25	GW3NJY/W9	254
WA9PKL	19	K9SLQ	212
K9SLQ	14	K9RO	180
WB0ZXU	20	WB0ZXU	111
N0LL	18	W0RWH	103
VE1ASJ	31	VE1ASJ	258
VE2DFO	23	VE3BQN	151



WA4QYP, number three single-operator score from Virginia.



K3HZO made his call known on 2 and 432 from the Maryland-DC Section.

could until we started getting ready last fall. The amount of effort getting new antennas up and new rigs on the air was quite considerable. Guys were on the air checking signals and providing test signals on all bands into the wee hours of every night right up til the start of the contest (and even a few during the contest).

"All the logs have been checked by the submitting member and by a minimum of two other members. The overall score represents a greater than 50 percent increase over last year and breaks our old record from back in the 60s. The major reason for this is the 'scare' that we had from the Rochester Group last year. We haven't heard how they did this year, but the scare was good for us — it turned us (the club) into a unified group of very hard workers. We even surprised ourselves with the results. We wish the Rochester group a lot of luck and hope that the fierce competition was good for them also. Even though population and geographical differences make it difficult to compare scores across the country, the local competition really makes you hustle just to keep even. See you later; we're getting ready for 1980!" — *W3IIT, contest chairman, Mt. Airy VHF Radio Club*

"We all had a good time this year despite the antenna icing problems that seemed to settle over the Northeast early in the contest. Scores this year were down for the 'big guns' in this area because conditions were fairly poor. Our average score was up since a few more of the fm gang are now on ssb and cw and are able to work more than one section.

"We sincerely hope that this score is enough to give the Packrats a real go, but if not, I predict that next year's score will be well over one megapoint as we are all continuing to work on our 'low end' capabilities. I hope that the three-tier club competition structure will encourage more and more competition since the general increase in activity that seems to result is a real benefit to everyone's enjoyment of the vhf/uhf bands.

As this is written, I have no idea whether or not we beat the Packrats in 1979. If we did — FB! If not — wait til next year." — *W2AV, contest chairman, Rochester (NY) VHF Group.*



WB0YQS used 2 meters and 432 MHz to work seven sections and lead the South Dakota Section for single ops.



WA4MMP/1 doin' it on 2 from Rhode Island.



Bob, N2SB, who went portable 3 in MDC with friends WB2NPE and WB2RVX, concentrates on pulling out another 2-meter multiplier.



Aletha, WB3FUR, handled 6 meters while OM Mick, W3ILG, looked after the 2-meter chores at W3ILG, EPA.

SOAPBOX

Had a hard time working my own section (WPa) (WA3TIH). Again everybody thinks that 6 meters is only 25 kHz wide! Heard W1s calling CQ under W3s all day but couldn't get back to them. The QRM here with the beam pointed northeast is unreal (N4CD). After a night of sleet and freezing rain, my 144-MHz beams looked like "an icicle built for two" (WB2RRH). Surprisingly enough, the number of stations participating in the January SS lately seems to exceed the number in the September contest. Consistently work over 200 stations here from Eastern Long Island. Band conditions were poor to fair. Six meters never opened and trying to exchange reports on scatter is near impossible due to the length of the exchange (K2OVS). The WX and band condx were so bad that I saw two earthworms racing my ground wave for the nearest cover (WB4NBK). Activity seemed down this year. Shoveling 24 inches of snow and repairing the amplifier screen supply didn't help my score (K9MBX). Splatter made contacts very difficult. The increase in activity during a contest is amazing

Division Leaders

Single Op	Division	Multiop
WA3AXV*	Atlantic	W3KKN*
K9RO	Central	K9HDE
W0VB	Dakota	K0VXM*
WB4JGG*	Delta	WB4LHD/5
WB8IGY	Great Lakes	K8III*
WB2QOQ	Hudson	K2DEG
WB0ZXU	Midwest	W0RT
K1FO	New England	WA1RWU
WA7KYZ*	Northwestern	K7ND*
K6KLY	Pacific	N6AMG
WD4MUO*	Roanoke	W4BFB*
W0PMY	Rocky Mountain	N0KV
WB4NMA	Southeastern	W4VO
N6NB*	Southwestern	K6MEP
K5CM	West Gulf	K5LZO
VE1ASJ*	Canadian	VE1DXA*
N4UM/C6A	DX	—

*Denotes new all-time division record.



The crew at K6MEP doing what they do best, mountaintopping and turning in the top divisional score for multioperator stations in the Southwestern Division.

(WB2CHE). How about 6-m scatter ops using 15- or 30-second sequencing? Sure would make things a lot easier (K1FO). Quite a bit of competition in the Orange Section. A remarkable increase in the last couple of contests. I like the idea of sending the serial numbers as part of the exchange. It lets one know where he stands. How about including serial numbers as part of the exchange for the June and September contests? (WB6MFW). I hold the Section Certificate for the first VHF SS, held in 1948 and a few thereafter. Things sure have changed. This was my first vhf contest entry in about 25 years. Expect to enter the June and September contests this coming year (W4JAZ). I kept waiting for "good weather" to put up the 2-meter beam. The weather never improved, so my son (WB0UIP) and I erected it the morning of the contest — in a blizzard! The fm simplex rule is a good one. We have many new people interested in contests as a result (W0RGU). I have mixed emotions about the scoring for the bands above 144 MHz. The present system almost forces an individual to gear up on 220, 432 and even 1296 in order to become even modestly competitive. I can appreciate

the fact that this is in essence a "reward" for populating these higher vhf/uhf bands, but it tends to tip the edge to large groups who have geared up for these bands. Years ago the "sections plus 10" feature was incorporated to try to smooth out some of the geographical disparities; why not do something like this for the frequency situation? Perhaps an option, such as either taking the "sections plus 10" factor or something of a point bonus for operation on the higher bands (220, 432, etc.). This might tend to restore a fairer system to the "little guns" (N2FY). "Dirty" signals on the vhf bands are an increasing problem. Suggest that OOs be alerted to monitor the bands during the VHF SS, noting in particular ssb splatter and key clicks (W2PAU). Will see you in the June contest from 8000 feet up (WA7JTM). More contest participants than in any of the past five vhf contests. I think that the club participation brought out many more ops, new to contesting. Also amazed at the number of YLs in this contest (WB2NCF). Please excuse the low score, but our 2-meter logs were lost during high winds and a snowstorm on top of the mountain. Snow covered up the logs before we could find them (WA4WZQ). Worst ever on 432 (WA2SNA/N2AAZ). We expected great things from our 432 antennas. Four 15-element quagis up about 30 feet sure looked impressive, but we only heard one local station (VE3AEA/3 /VE3IQZ). We were on a fire-tower-like structure 110 feet above the prairies of Illinois. Would have been great if it weren't for an ice storm on Saturday and 50-mph winds and below-zero temperatures on Sunday. Even the scatter on 6 meters on Sunday morning couldn't warm us up! (K9AKS). Seems the 2-meter fm operator courtesy is improving.

About time! (WA3AXV). Saturday night, K2OWR put up our 220-MHz Ringo, a five-minute job normally, but it took about half an hour in the 15-degree sleeting WX and 40-mph winds! Brrr (K2XR). Very nice contest. Conditions poor to average most of the time, but this is preferable to the true contest. Anybody can work openings (W2EIF). You might consider a separate fm only contest, preferably at different times than the vhf contest. It would hurt my score, but would make the contest much more enjoyable (W3IIT). We have begun preparations for another XE2BC assault for June. The gang in XE is quite enthusiastic about it, and it looks like it will be a much better prepared operation. The 144 array which did not use our own echoes and some sigs from KIWHs, W7FN and W6PO has been very thoroughly tested at my QTH, and we may put it up down there as well. We will be working to have gear on 2.3 and 10 GHz this year, which may be a first for these bands from XE, certainly VE2 (WB6NMT). A VO1 or VO2 quite literally doesn't stand a chance of winning or even placing in the Maritime Section. There would be little incentive for me as a VO1 or VO2 to enter a contest where the cards (propagation wise) are stacked against me. To benefit all, VO1/VO2 should be made a separate multiplier, distinct from the Maritime Section (VE1BNN). On multiops working people that are part of their operation. I think that any call sign shown as part of a multiop roster should not be counted as a QSO for that multiop effort even if that operator has left the site and returned home (K1LPS). Conditions on 6- and 2-meter ssb were very poor. Not even the locals were on (WD5HYU). Loved the earlier operating time, but hated the exchange (WB2CUT).

The club participation rules, I believe, are overly complicated. As club chairman for this activity, I felt the need for the services of a lawyer for interpretation, an accountant to track membership activity and a surveyor/geographer to determine station distance for club classification (K1CHY). [Thanks, Irwin, for taking the time to do the job correctly. You should see what we have to go through when we receive club entries that aren't documented quite as nicely as yours. — Ed.]

FEEDBACK

Please note the following corrections to the report of the 1978 VHF SS, which appeared on page 69 of July 1978 QST.

The score for WB0HHM was incorrectly listed as 3840. It should have been 1024 points. This moves K0VXM with a score of 1656 up to first place in the South Dakota Section and makes him the Dakota Division leader for single ops.

W1FMF should have been listed in the number 10 position in the top ten multiplier listings. Through an oversight, WB1ABF was not listed as the co-winner of the club award for the Mt. Tom Repeater Association.

Murphy also reared his ugly head in the results of the September VHF QSO Party. In the Ohio Section, the score of WA8TTS should be 18,304, not the 3432 listed. This moves Tom to the top spot for single operators in Ohio as well as number one single op in the Great Lakes Division.

Scores

Scores are listed in order, single-operator stations first within each section. From left to right: Call, score, number of QSOs, number of multipliers, bands operated (A-50 MHz, B-144 MHz, C-220 MHz, D-432 MHz, E-1296 MHz, F-2304 MHz, G-3300 MHz, H-5 GHz, I-10 GHz).

DX

Bahamas

N4UM/C6A(WD4IY,opr)
1368 57 2-AB

U.S.A.

1

Connecticut

K1FO 30,504-427-21-ABCD
K1ZZ 14,472-230-17-ABCD
K1TX 9550-165-15-ABCD
W1WHL 5750-115-15-A
W1JAV 5670-105-17-B
K1VMI 4800-100-14-B
W1FAJ 3780-79-11-BCD
W1JZW 3680-80-13-B
W1SQB 3570-78-11-ABCD
W1ALW 3280-74-10-BD
W1ACVN 3108-74-11-AB
K1EM 2688-64-11-AB
N1CC 2016-48-11-B
W1MAO 1980-33-5-CD
W1GTP 1932-46-11-AB
K1KI 1500-29-10-A
WB8PBC/1 696-24-2-BC
N1AGD 672-22-2-ABCD
W1JZT 598-13-13-AB
WB1EY 390-9-2-B
W1HDQ 308-22-4-A
W1PQV 180-17-5-B
W1GDC 112-4-4-B
W1LLU(K1VSC ZKR,W1S
HYN RLV,W1EAT,opr)
28,480-403-22-ABCDI
K1VTM(K1JX
4272 88-14-BC
W1WHF (W1ALZCN,
WB1BYW,W2PIV,opr)
1018 56-9-AB

Eastern Massachusetts

W1JR 16,150-351-15-ABCD
W1SOD/1 8928-165-14-ABCD
WB1UF 8512-133-22-A
W1GXT 7728-118-14-BCDE
WB1FKF 5544-118-12-ABD
N1HR 5512-106-16-B
K1CHY 2992-80-7-ABCD
K1GVM 3654-12-4-ABD
W1CRL 2640-45-12-ABD
W1MX(WA2EYC,opr)
2360 58-10-ABD
W1ZR 2360 58-10-ABD
W1DU 768-24-6-AB
W1AY 390-11-5-BD
WB1FOK 364-12-4-ABD
W1JOT 224-6-6-BD
W1JU 168-7-2-B
WA4TTG/1 44-1-1-D
WB2CWG/1 44-1-1-D
K1JMR(WILUG,opr)
22-1-1-B
W1XM(K1MK,W1XG,WA4TTG,
WB9NFQ,opr)
25,500-347-20-ABCD
W1MZZC(K1S BA MON,WA1PQE)
10,100-192-15-ABCD
W1AYS(WB2CU)
3900 9-9-ABD
K1TK(WA1PQ)
1802 53-7-B

Maine

W1ADZJ 11,152-164-24-AB

New Hampshire

W1EJF 12,824-197-18-ABCD

W1A0UB 6336-99-22-A
AC1J 6006-126-11-ABCD
W1FSZ 5600-100-18-AB
W1BDC 2392-46-16-A
W1MGC 1788-39-13-A

Rhode Island

W1PBR 7300-129-15-ABCD
WA4MMP/1
6032-116-16-AB
W1UHE 4140-61-3-AD
W2JHR/1(WBARVA)
11,960-210-6-ABCD
K1GOW/1(AD1L,K1WGN,
WB1DRW) 8464-165-13-ABCD
K1PAM(K1DS)
4180 94-9-ABCD

Vermont

W1JXN 2852-62-13-B
K1LPS 1596-34-11-ABD
K1BF 960-24-10-B
WB1BZ 210-7-5-B
K1GVT 104-4-3-AB
W1AM(K1TOL)
17,472-217-29-ABD
W1SYQ(K1IK,K1BLF,W1RYF)
986 18-7-BC

Western Massachusetts

K1GXU 7540-145-16-B
W1ZJ 7506-139-17-B
W1JP 5152-112-13-B
W1MTV 3468-83-11-AB
WB1ABF 4752-108-12-B
AC1T 4576-99-12-ABD
WB1CBH 4048-88-12-ABD
N1PF 3486-81-11-AB
W1WRM 2754-81-7-AB
W1UWX 2560-64-10-AB
W1UKR 2528-62-6-B
K1NWE 2020-90-4-B
K1TF 2120-53-10-B
WB1APD 2100-75-10-B
W1VW 1978-23-1-ABD
K1IQA 1690-65-3-B
W1KUL 1620-54-5-B
W1NLE 1400-50-4-B
K1JG 1378-53-3-ABD
N1ABJ 1148-41-4-B
W1ETH 1092-42-3-B
W1POT 936-36-3-B
WB1ETS 936-35-3-BC
W1VHU 910-35-3-B
K1BE 884-34-3-B
W1UHP 840-60-4-B
W1VYC 7508-10-1-ABD
WB1CJH 806-31-4-B
WB1EHS 806-31-3-B
W1KUE 504-21-2-B
W1BSP 468-18-3-B
W1DNB 440-20-1-B
K1UOR 364-28-3-B
K1JUX 264-11-2-B
W1UWX 264-11-1-B
K1YQ 176-8-1-B
K1JG 156-6-3-B
W1L 150-5-5-A
W1RWU(KA1APR,W1UWX,
W1S ECR LPJ UQC,WB1CAC)
42,550-558-27-ABD

2

Eastern New York

W2ATEO 10,324-170-19-AB
W2PVPV 7450-146-15-BCD
K2GV 5750-108-13-BC
K2GSF 4692-102-13-B
WB2GIU 3312-72-13-AB
W2BRH 264-11-1-B
WB2EHE 1938-51-9-B
W2IP 684-19-8-B
W2S/2(K2R,N2MK,WB2S BXP
CFP GPP PKO GCJ,opr)
18,018-256-23-ABCD

New York City - L.I.

W2SLY 13,032-232-16-ABD

WB2QBT 12,896-228-16-ABC
K2OV5 12,096-216-18-AB
WA2NCT 7500-150-15-B
WB3HHS/2 6762-147-13-B
W2VWSN 6486-11-13-ABD
WB2QIU 5136-107-14-AB
W2HI 3520-64-12-8D
WA2DZD 2520-55-11-BC
W2EUS 1600-41-6-BD
WA2ISH 1520-38-10-B
WA2WZ 1122-33-7-B
WB2BE 208-7-3-AC

Northern New Jersey

WB2QQQ 14,592-247-14-BCD
WB2CUT 13,160-235-18-B
WB2IZC 10,120-220-13-B
WB2WIH 9500-192-12-ABCD
WB2CAM 8148-194-11-AB
WB2RMI 7266-173-11-B
WB2NCF 5244-138-9-B
WB2LHG 3642-102-8-B
WB2IBS 3472-110-4-BC
WB2IBC 3900-96-5-BC
WB2SLY 3360-100-4-BC
WB2WJX 4000-75-12-B
WB2JUZ 2100-104-5-B
KA2AVA 2800-100-4-AB
WB2CST 2584-34-9-D
WB2QHT 2016-56-11-ABD
AG2N 1858-66-4-AB
W2CVW 1802-48-7-ABCD
KB2EW 1794-69-3-B
A2K 1742-61-12-8-B
WB2TBB 1596-42-9-B
WD2ADH 1484-53-4-AB
WB2VZW 1430-55-3-B
WA2AZK 1212-41-12-JSW
KB2DN 1300-50-3-B
K2LPG 1196-46-3-B
K2TO 1196-46-3-B
K2KKE 1142-41-12-8-B
WA2JUS 1066-41-3-B
WB2LNL 1036-37-4-B
W2HLE 962-37-3-B
WA2ZNT 848-21-1-ABD
W2IJS 726-33-1-B
W2WCL 572-26-1-B
W2HAW 552-23-2-B
WB2BJH 112-4-4-B
WB2LAH 506-23-1-B
K2MBZ(K2LP,opr)
468-13-8-B
WB2WAB 468-13-8-B
WB2CHE 238-7-7-B
W2RJW 176-8-1-B
WB2EJH 112-4-4-B
K2DEG(K2S K1J RVH,WA2S
IRY RIU UWN,WB2EY,
opr)
65,520-742-25-ABCD
K2XR(K2S JWE OWR,WB2S
RVO WIK)
54,464-708-27-ABC
WA2SNA(K2BJG,N2AAZ,W2S
JHM LVT M12-14-W2S JSW
JUL SLH UQP,WB2S ARS JCP
LBP QEA,W2AA1,opr)
41,602-581-21-ABCD

Southern New Jersey

WA2DPJ 49,490-603-25-ABCD
WA2SZK 37,488-465-23-ABCD
W2EIF 33,698-440-19-ABCD
WA2KOK 24,360-366-19-ABCD
WB2YEH 20,884-385-13-ABC
WA2EMB 18,592-308-18-ABD
N2RF 15,548-299-16-ABD
WB4NXY/2
15,120-270-18-AB
AA2Z 15,000-300-15-AB
N2FZ 14,224-254-18-AB
WA2OMY 12,466-271-13-AB
W2BLV 11,096-191-18-B
WB2GEX 8832-184-14-B
W2ORA 7790-205-9-AB
A12B 6776-154-12-AB
WB2NBY 606-14-12-AB
WB2PFC 5590-215-3-AB
K1TQ/2 5472-144-9-AB
N2CQ 5202-153-7-AB

WA2OXX 5200-200-3-AB
N2ALA 4836-186-3-B
W2GGB 4560-138-2-BC
N2HI 4550-175-3-B
K2SVX 4300-106-11-AB
WB2QIU 4326-103-11-B
WA2WJL 4082-157-3-AB
K2SGS 3864-138-4-B
K2SVX 3750-128-4-AB
W2FFU 3492-84-8-8D
WB2HGI 3450-75-13-B
WB2ALG 3438-15-6-AB
W2MMA 3162-9-7-AB
KN2QWO 2912-112-3-B
WA2MKI 2886-111-3-B
W2VYHA 2784-100-2-BC
K2NH 2652-102-3-BC
WA2NBM 2408-86-4-AB
N2AFC 2100-75-4-B
W2EFC 2006-59-7-AB
W2BAY 1976-76-3-AB
WB2AOL 1976-76-3-AB
WA2RHJ 1932-69-4-AB
K2HJH 1872-72-3-B
WB2KKS 1872-72-3-B
N2AZ 1870-55-7-B
WB2SPJ 1760-55-6-AB
K2BSE 1728-72-2-AB
WA2NAK 1728-72-2-AB
WB2JMK 1508-58-3-AB
W2EKB 1464-61-2-AB
WB2VFX 1464-61-2-AB
WA2WSV 1416-59-2-AB
WA2TRJ 1344-56-2-AB
N2HF 1176-49-2-AB
K2CWY 1064-41-3-AB
WB2RXM 768-17-2-AC
WB2WMK 600-25-2-AB
K2BWB 456-19-2-AB
W2BZ 336-11-2-AB
W2HOB 264-11-2-AB
W2ZOD 150-5-5-A
K2NE(KA2BOP,WA3S RKM WUL,
WB3S CT)
39,040-519-27-ABCD
N2ASC(KA2BAO,W2BN,
WB2KKS,opr)
32,184-522-17-ABCD
WB2LCC(N2ME)
31,958-481-19-ABCD
W2PAU(W2ESK)
24,300-403-20-ABC
WB2CUD(WB2S GEZ HWF)
20,736-358-14-ABCD
AB2Y(WB2S W2VNU)
36,928-368-13-AB
AE2V(WA2E2B,WB2UOH)
6890-265-3-AB
WA2DKB(WB2S JGQ VWVW,
4416-89-14-ABD

Western New York

K2YCO 17,856-354-14-ABCD
W2AZNC 15,548-287-16-ABD
W2WJL 13,760-321-10-ABCD
WB2JFL 11,240-281-10-AB
K2RHS 10,260-285-8-AB
N2JYF 9936-259-8-ABCD
WA2BPE 9802-169-19-AB
W2AYEK 9520-280-7-AB
AF2K 8960-320-4-AB
WB2KIV 8760-277-5-ABD
K2LZF 8646-129-23-ABD
W2VVG 8128-254-6-AB
WB2RJB 7980-266-5-AB
DL7KX/W2
7820-230-7-B
K2JFV 7728-276-9-AB
W2GV 7638-196-4-AB
WB2GJ 7500-297-17-ABCD
WA2WVL 7452-207-8-AB
WB2DSR 6960-232-5-AB
W2EQW 6912-288-2-AB
W2ACEF 6878-181-2-AB
W2OWF 6720-197-6-ABD
W2ASHN 6624-207-6-AB
K2VZ 6458-141-12-AB
K2MP 6480-263-2-ABD
W2UAD 6464-202-6-B
W2LLS 6448-248-3-AB

K2SPO 6318-243-3-AB
K2KGE 6032-232-3-B
K2RJ 5616-220-2-BD
K2PGN 5592-233-2-AB
W2IOG 5440-149-7-BCD
K2HC 5408-208-3-AB
WB2QKC 5408-150-6-ABCD
W2SNI 5400-180-5-AB
WA2ZJP 5376-162-2-AB
WB2IEY 5356-206-3-B
AB2O 5352-223-2-AB
W2A2PE 5348-162-6-AB
K2BUI 5308-217-2-AB
WB2YJH 5200-200-3-AB
WB2VPH 5092-134-9-B
K2GR 5040-90-18-B
WB2CE 5040-210-8-AB
W2XG 5032-148-7-B
W2EKT 5016-209-2-AB
K2OS 5000-125-10-AB
WA2GLJ 4992-208-2-AB
W2EBF 4968-207-2-AB
WA2KUP 4968-207-2-AB
WA2MAF 4944-206-2-AB
W2NES 4896-204-2-AB
W2ABUD 4872-203-2-AB
K2OXT 4848-202-2-AB
N2JC 4776-199-2-AB
K2VFR 4830-155-5-BD
WB2HJV 4776-199-2-AB
WB2ZFS 4776-199-2-AB
K2NC 4752-198-2-AB
WB2LWM 4752-198-2-AB
W2KVP 4680-195-2-AB
WB2MCP 4680-195-2-AB
W2JUH 4536-189-2-AB
WA2WHL 4512-188-2-AB
AG2A 4440-185-2-AB
WB2DPT 4412-144-2-AB
WA2CTC 4344-181-2-AB
W2MCB 4344-181-2-AB
K2UW 4224-192-1-AB
K2KWK 4200-175-2-AB
AC2 4200-175-2-AB
K2EAW 4176-174-2-AB
W2MYG 4176-174-2-AB
W2BDM 4162-162-2-AB
WA2HGS 4088-146-2-AB
K2YA 4056-169-2-AB
N2AMH 4056-169-2-AB
W2AYPT 4056-169-2-AB
K2JA 4032-168-2-AB
WB2FRG 4026-183-1-AB
K2BCL 3960-165-2-AB
W2MJB 3938-179-1-AB
WB2MD 3912-163-2-AB
WB2AMC 3892-139-4-AB
K2MPE 3822-91-11-AB
WB2HWO 3768-157-2-AB
N2FV 3762-171-1-AB
WB2JLR 3696-132-4-AB
GA2QU/W2
3696-168-1-B
A12 3672-153-2-AB
W2JUN 3576-149-2-AB
K2BCM 3552-111-6-B
WB2HNL 3552-111-6-B
WB2GGM 3456-144-2-AB
K2OIU 3392-157-2-AB
WB2UT1 3432-156-1-AB
W2EED 3410-155-1-AB
W2RKO 3384-142-2-AB
W2WJF 3322-151-1-AB
N2EH 3288-137-2-AB
WB2MDB 3288-137-2-AB
K2UXF 3234-147-1-AB
W2HG 3192-133-2-AB
W2JOM 3190-145-1-AB
W2JSA 3124-142-1-AB
K2BBL 3124-142-1-AB
WB2JG/2 3080-140-1-AB
WA2ZQN 3080-140-1-AB
N2HS 3072-128-2-AB
N2APB 3036-138-2-AB
W2JOR 3014-137-2-AB
N2A0B 3014-137-2-AB
W2CNS 3002-74-9-ABD
W2OUM 3000-125-2-AB
W2AM/2 2992-136-1-AB
K2B2Y 2992-136-1-AB
W2EEO/2 2928-122-2-AB
WB2ILW 2904-121-2-AB

WB2ERH 2882-131-1-B
W2XT 2886-119-2-AB
WA2TJ5 2838-129-1-AB
WB2GIH 2816-128-1-AB
WA2EKS 2784-116-2-B
WB2HUL 2750-125-1-B
WB3LHQ/2
W2PSQ 2750-125-1-B
W270-123-1-B
W2A2DJE 2716-121-1-AB
K2CEH 2698-71-9-AB
W2FUI 2684-122-1-B
K2MG 2664-101-2-B
W2IG 2642-110-1-B
WB2IGO 2640-120-1-B
W2SRP 2626-101-3-B
K2ER 2618-119-1-B
WB8MOZ/2 2486-100-1-BCD
W2LC 2472-103-2-AB
N2AMU 2464-112-1-B
K2GMZ 2442-110-1-B
K2OUY 2420-110-1-B
W2AUAR 2420-110-1-B
K2B2Q 2400-100-2-B
W2A2ZKI 2398-109-1-B
WA2IEO 2398-109-1-B
WB2JXI 2340-90-3-AB
K2DAS 2310-105-1-B
W2A2HVT 2278-98-1-B
N2AOZ 2208-92-2-B
K2QHA 2200-100-1-B
N2AJK 2200-100-1-B
W2A2I2 2200-100-1-B
WA2SOK 2200-100-1-B
WA2YRL 2200-100-1-B
WB2EVD 2200-100-1-AB
WB2ISD 2178-98-1-B
WB2JFK 2128-67-4-ABE
K2EVJ 2112-57-6-ABE
WA2FVJ 2090-95-1-B
W2B2ECX 2002-91-1-B
W2ZHB 1824-76-2-B
K2EUR 1760-80-1-B
WA2KKH 1760-80-1-B
K2YMM 1738-78-1-B
WB2HTH 1672-76-1-B
K3NAU/2 1650-75-1-B
WB2KQF/2 1650-75-1-AB
WA229GA 1650-75-1-AB
W2IS 1606-73-1-B
WA2UTG 1606-73-1-B
K2SSB 1584-73-1-B
K2OES 1562-71-1-B
WA2EKK 1562-71-1-B
N2TC 1540-70-1-AB
A2QY 1474-67-1-B
WA2YTK 1408-64-1-B
WB2KLO 1408-64-1-B
WB2PL 1364-62-1-B
W2B2BWQ 1320-60-1-AB
W2RBT 1298-59-1-A
WA2EWW 1276-46-1-ABCD
WA2ABQ 1272-53-2-B
WA2IZC 1166-43-1-B
W2EOJ 1128-47-2-A
K2LB 1100-50-1-B
WA2JMH 1100-50-1-B
W2SSU 1100-50-1-B
WB2WX(N2AL,opr)
K2HRT 1100-50-1-B
W2ETZ 968-44-1-AB
K2JTT 946-43-1-AB
N2AFY 902-41-1-B
WB2GIP 902-41-1-B
K2CTN 888-38-1-B
WB2RRE 836-38-1-B
WA2MKX 748-34-1-B
K2NM 744-34-1-B
WB2IGD/2 704-21-1-B
KA2ADQ 648-27-2-B
WB2UTX 594-27-1-B
WB2DY 440-24-1-B
WA2JEB 396-18-1-B
WB2DLW 396-18-1-B
WB2PKO 330-15-1-B
WB2OZS 286-12-1-B
W2ICE 242-11-1-A
WA2QNS 242-11-1-B
WB2RHW 220-10-1-B
K2VUL 220-10-1-B
AC2E 176-8-1-A
W2FDI 132-6-1-B
K2HYO 122-1-1-B
W2DYV 22-1-1-B
WA2MUZ 22-1-1-B
W2UTH(+WA2S LRY RHW VUB
VZF YTM,WB2GIP)
20,160-315-22-AB
WA2ZKD(+WA2S EWW IKC VCM)
16,848-317-14-ABCD
W2AV(+WB2KA)
16,242-270-18-ABD
K2LDU(+WA2FQE)
13,420-284-12-ABCE
WB2EMS(+WA2MY,WB2AE)
10,526-277-9-AB
WA2ZJF(+K2S JJI RKW,WA2S MYU
RQC,WB2S FBP MYZ NFB,opr)
10,512-195-14-ABCD
WA2KGM(+WB2KGL)
9088-284-6-AB
WB2PSI(+AD2V,WB8KV,opr)
5928-215-3-ABD
W2DUC(+N2AFR,WB2RIP)
5616-156-8-AB
K2GXT(WA1QGC,WA2EAS,WB2S
KFU MJG,opr)
5472-228-2-B
WB2ELB(+WA2JSD)
4500-146-5-ABD
WA2EGL(K2AP,N2AFY,
WB2JMX,opr)
3384-141-2-AB
K2JD(N2EH,WB2S IEY JOR,
opr)
3336-139-2-AB
WA2EJY(+N2EH)
2712-113-2-AB
N2AGQ(+K2RJ)
2414-46-1-BD
WB2QMY(+N2AFX)
1012-46-1-A
N2AFX(+WB2SMV)
590-25-1-A
WA2FIF(+WA2SRY)
270-9-5-A

3

Delaware

WA1NGR/3 20,440-283-25-ABD
W3BDP 7852-151-16-B
W3CGV 1620-52-5-ABD
AC3T 700-20-4-BC
WA3UVR 144-6-2-B

Eastern Pennsylvania

WA3AXV 64,512-741-26-ABCD

W3HQT 61,864-657-28-ABCE
W3HWF 580-15-1-AB
W3HVF 41,220-550-20-ABCE
N3AHI 40,854-506-23-ABCD
K3IUV 36,540-474-19-ABCE
W3HMU 34,950-41-21-ABCE
WB3CDE 29,760-399-21-ABCE
AE3T 28,440-425-20-ABCD
W3IIT 27,300-425-16-ABCD
N3MMW 27,300-425-16-ABCD
K3LOM 25,428-420-16-ABCE
WA3JUF 24,948-348-17-ABCE
K3BPP 22,232-369-14-ABCE
W3WAS 21,942-39-17-ABCE
K3ACR 21,384-415-12-ABCE
WB3ATA 19,412-321-13-ABCE
W3CL 18,520-357-10-ABCE
W3CUJ 15,752-310-13-ABCD
K3IPM 17,358-254-23-ABD
K3DMA 15,288-310-11-ABCE
N3EG 14,268-307-7-ABCE
WA3JUF 13,504-289-12-ABCE
WA3AQA 13,860-254-12-ABCE
WA3NFV 12,688-244-16-AB
WA3AA 12,648-309-7-ABCE
W3SMK 12,098-201-13-ABCE
W3ETB 11,748-240-12-ABCE
K3GAS 10,544-223-9-ABCE
K3IGX 10,680-194-10-ABCE
W3AJF 10,580-202-13-ABCE
WB3CPW 10,458-210-11-ABCE
W3CXU 10,458-210-11-ABCE
WA3HIT 10,036-317-3-ABCE
K3MXM 9,648-210-8-ABCE
W3NSI 9,540-200-8-ABCE
K3IWK 9,540-200-8-ABCE
K3VYG 8,800-207-6-ABCE
WB3KNU 8,000-160-15-AB
WA3JMM 7,392-200-4-ABCE
W3CXY 7,316-114-22-A
K3KTY 6,776-134-12-ABCE
K3Q/M 6,690-154-5-BC
WA3OVH 6,672-217-2-ABCE
W3CQZ 6,654-167-7-ABD
WB3KES 5,616-179-2-ABCE
K3NW 5,474-105-13-BD
WB3IHY 5,226-172-3-ABCE
K3EPB 4,930-110-7-ABCE
W3CQZ 4,930-110-7-ABCE
WB3FFW 4,340-155-4-B
W3AWA(WA3KFT,opr)
3,996-110-8-ABCE
W3HKL 3,944-106-7-ABCE
WA3PUL 3,920-103-4-AC
W3ATEM 3,552-74-2-C
W3CUL 3,216-17-2-C
K3DLS/3 3,216-17-2-C
K3PHY 3,168-87-2-AC
N3ACV 3,094-87-3-BC
WB3HKL 2,848-89-6-AB
K3EB 2,848-89-6-AB
W3JUM 2,392-46-3-C
WA3TQJ 2,340-90-3-AB
WA3EPS 2,112-88-2-AB
K3JK 1,956-75-3-AB
WB3IND 1,716-61-3-AB
K3KEL 1,680-40-11-B
WA3IGV 1,488-57-2-ABCE
WB3FIP 1,372-53-3-AB
K3KMN 1,272-52-2-BC
WA3JMT 1,200-50-2-A
K3HES 1,104-46-2-A
WB3JFC 1,036-37-4-AB
W3BRU 988-38-3-AB
WA3KOL 980-35-4-A
K3B8T 936-36-1-B
WB3BDP 912-36-2-A
WB3FMQ 780-30-3-B
WA3QWQ 770-29-1-ABCE
K3B8K 728-26-2-A
WA3JNF 626-26-2-A
K3OBY 552-23-2-A
W3XYX 440-10-1-C
WA3MRV 336-12-2-ABCE
WA3NUG 312-13-2-A
K3VEQ 288-12-2-AB
K3ESL 240-10-2-A
WA3CRM 240-10-2-B
WA3NAO 198-9-1-A
WA3SPR 44-1-1-D
K3ATL 22-1-1-B
W3KKN(+K3KMN,W3CXU)
45,198-607-21-ABCD
K3JJZ(+WB3DNH)
19,296-352-12-ABCD
WA3YUE(+K3QJ)
19,296-305-14-ABCD
WA3FOF(+K3S DLS HW)
15,640-317-10-ABCE
WB3HHO(+K3SHHP)
11,564-333-4-ABCE
WB3HHP(+WB3HHO)
11,564-333-4-ABCE
W3HZU(+K3G,N3RZ,W3AC,opr)
W3AZV,WB3S AWJ BWG,opr)
9,104-177-15-ABCD
K3IQO(+K3QJ)
6,104-94-4-ABCE
WA3HVL(+K3DLS)
3,984-118-2-BC
W3ILG(+W3JUR)
1,682-29-19-AB

Maryland - D.C.

K3DUA 22,032-384-17-ABCE
W3U5S(K3ZJ,opr)
20,412-369-17-ABCE
W3XO 18,850-310-19-ABD
K3H3O 12,818-199-19-BD
WB2DNE/3
10,476-194-17-AB
WA3USC 9,280-150-19-B
WA3OYV 9,120-169-14-ABCD
WA3NTO 8,640-10-17-ABCE
W3GH 8,568-133-18-BD
K3AKR 7,260-152-12-ABCD
W3JPT 7,120-168-10-ABD
WA3EQL 6,840-136-12-ABCD
WA3DMF 6,846-137-11-BCD
W3E3Q 6,440-140-13-B
W3CNS 5,716-12-12-ABCE
W3WVW/3
5,236-119-12-B
W3HGX 4,912-91-17-B
K3LFO 4,400-110-10-B
WB3IUT 4,320-79-11-BCD
W3JUG 4,320-100-10-ABD
W3IOP 4,092-50-12-BCD
W3TFA 1,200-36-2-ABCD
KA3ALC 1,176-49-2-AB
WB3LHW 768-32-2-A
WB3JHP 288-8-8-B
W3GN 144-6-2-B
W3PGA(W3S JRD JDF,opr)
PHH ROTZ HWZ FRX YZY,WA3S
FHV OTJ HZJ LAW TUN QKB
WKNW,3S IT AID,WB3S BIT BGS
ACE AXF IVG,KB3C,opr)
18,720-360-16-AB
N2S8B/3(+WB2S NPE RVX)
12,180-198-20-ABD
K3IYO(WB3S FG IP,WB3CIL,
WB8CXB,opr)
11,934-231-17-AB

Western Pennsylvania

WB3CBB 7500-125-20-AB
WA3CPH 6996-159-12-B
WA3TH 4368-84-16-A
WB3DVR 3520-80-12-AB
WA3YGG/3
1394-41-7-B
1342-37-8-B
W3CSA 1292-38-7-AB
WB3EYV 594-27-1-AB
W3IUT 504-21-2-AB
WB3CWF 472-3-3-BC
K3PS 374-17-1-AB
WA3UFN 374-17-1-AB
WB3FZY 176-8-1-B

4

Alabama

WA4NPL 2508-57-12-AB
KA4AOK 1258-37-7-AB
W4KDP 96-4-2-B

Georgia

WB4NMA 7040-146-12-BD
WA4SS 280-5-4-D
WB4MBN 270-9-5-B
AK4T 210-7-8
W4VO(K4S AEK CKS,WA4S IBI
KPU,WB4S AEG LRA,WD4JLI,
opr)
13,662-244-27-ABD

Kentucky

WA4IP 3348-76-8-BCD
W4SMU 2340-85-3-BCD
K4UK 1980-55-8-B
N4AGX 384-12-6-B

North Carolina

KA4DCZ 12,888-179-26-AB
WA4ZIA 6880-152-10-ABCD
WA4GBE 3150-70-11-ABD
WA4ALJ/4 2166-57-9-B
WA4ND 1052-5-8
N4SM 476-17-4-AB
WD4IJ 44-2-1-B
WA4WZQ/4(+WA4WZP,WB4UDS,
WD4GQU) 1632-47-6-ABCD

Northern Florida

WA4LYS 2304-64-8-B
W4ODW 1400-50-4-AB
WB4BSZ 990-30-5-ABD
WA4NDO 546-18-3-ABD
W4EQR 442-14-3-ABD

South Carolina

N4DT 2496-78-6-AB
WB4FEV 1600-50-6-AB
WA4LD 1248-38-6-ABD
WD4CHS 1120-40-4-B
WB4NBK 736-23-6-AB

Southern Florida

K4GFG 572-22-3-B
WA4BUS(+WA4YMZ,WB4WXE)
588-14-11-AB

Tennessee

WB4JGG 13,320-171-26-ABD
K4EJG 4922-101-13-ABD
WA4QYK 1664-52-6-AB
WA4DFS 480-18-5-B

Virginia

WD4MUO 13,554-237-17-BD
K4LHB 8112-158-14-ABCE
WA4QYP 6440-140-13-AB
W2KFC/4 5376-124-11-ABCE
W3IY/4 5280-109-14-ABCE
AD4 4972-11-12-B
N4CD 4968-108-13-AB
K4CB 4840-110-12-B
WA4LJQ 4326-99-11-ABCD
WA4JA 4320-108-10-ABD
K4EVH 2940-98-5-B
W4MHW 1708-53-4-ABD
WA4SBC 1320-29-10-BD
AF4 1272-53-2-B
WB4JAY 1272-62-2-ABCE
K4GOK 480-16-5-AB
W4KFC 264-11-2-B
WB4BS(AA4 R SC Z2,IA4A,K4S
BF LVV,NA4FY,WA4S NPB VCC
ZQ,WB4S TLX VFD,WD4S ABZ
AEI LMN,opr)
25,680-393-20-ABCE

5

Arkansas

WB5JAR 884-26-7-AB
WB4LHD/5(WB4LXK NOD NVM,
WB4S CHE NWE OVT,WD4S GXI
JHD,opr)
3960-93-10-ABD

Mississippi

W5UCY 426-47-4-ABD

New Mexico

WB5AOX 520-20-3-B
W5FF 512-16-6-B
KA5CE 130-5-3-A
WDBNW/5 44-2-1-B

Northern Texas

WB5KTC 3864-129-4-ABD
W5VJB 3780-135-4-AB
WB5FCR 768-24-6-A

Oklahoma

K5CM 6156-103-17-ABD

Southern Texas

WD5HYU 1344-56-2-AB
K5BZU 1012-42-1-BC
K5LZO(+K5SAW)
5754-133-11-ABD

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East Bay

WA6VEF 1872-72-3-B

K6XO 416-16-3-B
N6AMG(+N6IG,WB6BJ)
14,516-555-9-ABCD

Los Angeles

N6NB 25,880-529-10-ABCE
WB6DBQ 4648-102-4-ABCE
W6CN 4592-109-4-BC
W6PFE 2100-71-4-BC
W6NXX 2072-37-4-C
WA6DCT 884-13-3-BC

Orange

WA6TFS 4312-115-4-ABCD
PA9ZN/W6 2156-60-4-BD
WB6MFW 1005-67-5-AB

Santa Barbara

K6MEP(AC6I,K6VMN,WA6S DJS
IJZ,WB6GNS,opr)
18,176-413-6-ABCD

Santa Clara Valley

K6KLY 15,040-328-10-ABCD
WA6HCI 10,720-268-10-ABD
W6XN 5920-122-6-BCDE
W6SEKJ 210-7-8
WD6EPV(+WA6FAK,WB6CBJ)
3360-112-5-B

San Diego

WB6FTW/6 10,548-215-8-ABCE
WB6MNT 5368-111-12-ABD

San Francisco

W6AMT(WB6VZY,opr)
4768-159-6-AB

San Joaquin Valley

W6YKM 8004-148-13-ABCD

Sacramento Valley

K1FJM/6 780-22-5-ABD
W6SX 78-6-3-B

7

Arizona

WA7EPU 1456-52-4-AB
WA7JTM 984-41-2-AB
WB7QYG 96-3-1-B

Idaho

K7MM 844-28-2-ABCE

Montana

N7ALX 858-39-1-B

Oregon

W7TYR 456-18-2-ABD
N7DB 340-10-7-A
WB7VQQ(+N7CJ,WB7TIU)
748-34-1-B

Washington

WA7KYZ 10,296-199-12-ABCD
W7ZSL 8228-210-7-ABCD
W7YQ 5372-135-7-ABCD
W7KKE 1568-52-4-ABD
K7IDX 696-29-2-A
W7IDZ 312-13-2-AB
W7JWH 713-13-B
K7ND(+WB7DTI)
9690-217-9-ABCD

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Michigan

WA8SQL 4048-192-12-AB
WA8ABN 2912-56-16-AB
W8IDU 1806-37-11-ABCD
WB8AX 1760-37-11-ABD
K8BG 606-22-5-AB
WB8DSG 616-22-4-AB
K8BCL 216-9-2-B
N8AJF 192-6-6-B

Ohio

WB8IGY 16,502-213-27-ABD
WA8OGS 13,640-213-21-ABD
K8NX 11,648-180-22-ABD
WB8GEX 6288-131-14-AB
K8DIO 3828-14-2-BD
WB8DVD 2790-93-5-AB
WB8YGV 2772-63-12-AB
K8DW 1944-50-8-ABD
WB8HRQ/8

WB8QME 1742-67-3-B
WB8JP 3800-46-4-BC
WB8JRN 1430-50-3-ABCE
WB8RMT 1380-46-5-B
WB8VST 1204-43-4-B
W8LCY 756-27-4-B
WB8SMC/8(WB8XT,opr)
W8APJ 450-15-5-A
K8X(WB8S EEX NF5,
WB8RCN,opr)
80,984-747-43-ABCD
WB8CI(KB8TC,WB8S DJY ULC
W8X(WB8S EEX NF5,
WB8VVR,opr)
33,120-404-30-ABD
WA8PLZ(N8ADK,WB8S ILLW KWC
MRU OF QVC RDO,WB8S NBK
NVY,opr)
9618-219-11-ABD
WB8VPV/8(KA8BON,KB8GM,
WB8USY,WB8UNO,WB8CVH,
opr)
8904-183-11-ABCD
WB8GOH(+WB8HEG)
4600-100-13-B
WB8VH(AE8I,N8APT,WA8DFD,
WB8YWM,WB8BZO,opr)
4420-130-7-AB

West Virginia

WB2DIN/8 7488-156-14-B
W8TN 1224-34-7-ABD

9

Illinois

K9RO 13,930-199-25-AB

GW3NJY/W9

11,550-254-11-ABD
K9MBX 5130-135-9-B
WA9FVI 3648-101-6-ABCD
W9IV 3360-80-11-AB
WB9SPV 7760-109-2-ABCE
W9YGBU 2736-76-8-B
K9JK 1728-72-2-B
K9ENZ 1608-67-2-BC
W9SN 1518-69-1-B
WB9YPR 1276-54-1-BC
WA9RIJ 1248-48-3-AB
WD9GGY 1144-44-3-B
K9HDE 870-29-5-AB
AE9F 832-32-2-B
WA9CJZ 484-22-1-AB
WA9AH 480-16-5-A
N9AMY 396-1-8
WB9OTE 374-17-1-B
K9HDE(+K9S KD MR,N9RX,WB9S
EWF IWN)
23,732-325-24-ABCD
K9AKS(+K9GL,W9S IP SZ)
15,424-241-22-AB
W9ZX(+WB9S SKB TIA VDV)
4048-88-13-AB
AA9D(+WD9EBQ)
2632-91-4-ABCE

Indiana

K9SLQ 10,560-212-14-ABD
WA9PKL 5240-90-19-AB
WA9MCJ 2566-67-9-B
W3EP9 1110-37-5-B
WD9EME 608-28-6-B
WD9GWM 480-20-2-B
WB9WTX 352-16-1-B
K9UNM 132-6-1-B
WB9BEH 56-3-1-B
WB9NTL(+WB8DJR,K9XA,
WD9AHO),7130-155-13-AB
W9CGI(+WA9BHF)
256-67-9-AB
W9YB(WA2KBL,N9NB,WB9WLX,
opr)
1200-40-5-B

Wisconsin

WA9CUH 2204-54-9-ABD
K9XY 260-10-3-AB

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Colorado

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