

Results, 1986 ARRL VHF Sweepstakes

K1JX operating W1VD, Multiop N2SB and Pack Rats Cop Top Honors in January.

By Michael Kaczynski, W1OD and
Contest Manager, ARRL HQ

Billy Lunt, KR1R
Assistant Contest Manager, ARRL HQ

t's the dreaded "Ides of April" as we reflect on the January VHF Sweepstakes, so it is only fitting that we draw on the Pack Rats' Cheese Bits for our opening inspiration. Therein, Rat Prez WB2RVX suggests that this is our last chance to dream up reasons to deduct last year's radio purchases.

But if you couldn't figure out a way to beat the tax man, perhaps the satisfaction of making many QSOs in the annual VHF SS brawl was justification enough for plunking down your "greenmail" for shiny new radios. Just don't tell H & R Block.

And many QSOs there were! The VHF SS, conducted this year on January 11-12, annually features the club competition—brandishing an appropriate length of 9913 to implore each club member to get on "for the good of the order." No matter the size of the club or where it's located, it works. There's lots of activity—from Shaftsbury, Vermont to Boring, Oregon—as evidenced by the 889 log entries.

Typically, the poor conditions of January are offset by the sheer numbers of contacts available

The Northern California Contest Club effort was led by K6GSS, operating from CM97.



Top Ten

Single Operator	Multioperator	
W1VD (K1JX)	231,295	N2SB
WA3AXV	171,820	WA2OMY
WB2WIK	142,695	W2SZ/2
KC2PX	121,605	W1NY
WA2FGK (K2LNS)	116,718	W1QK
WB3JYO	93,060	VE3LNX
N2BJ	86,130	WB2PSI
K2SMN	85,376	W3KKN
KA1ZE	80,948	WB3LJK
K3HP	77,024	W1XX

(at least in megalopolis). A check of the score listings shows what even a small to medium-sized club can do to muster activity: Western Massachusetts with 53 entries, Western New York with 103 and Minnesota with 50 total entries. You don't have to be able to speak Minnesotan (accent on the "so") to recognize that a good club organizational effort can turn this winter VHF activity from dullsville to delight-city—even in the provinces. Methinks there's a lesson in there somewhere to promote future VHF contest participation. If all the 10-watters and handhelds in East Overshoe turn on their radios during the contest, presto, there's activity. The score listings reveal many sections showing a sparsity of entries—fertile ground for future exploitation. VHFers of Toejam, unite! Of course, as the club tabulation indicates, the Mt Airy VHF Radio Club has this down to a science . . . Gavel-city, here come the Rats again.

Conditions weren't a total wipeout, however, as KA6PYA noted: "Texas on six meters the last 45 minutes of the contest was a delight!" Kent, WA5VJB, did not observe any openings in Texas, but found meteor scatter much to his liking. WA6IJZ thought it was the "best contest from the home QTH in over 10 years." K1ISW "got a real kick out of working WB0ISW when 6 meters opened." N4EJW in southern Florida experienced some very good, though short-lived, 50 MHz propagation. N0LL found himself in a '60s time warp working Novice-type calls WN0 and WN5 on 2 meters, while noting good E_s to the East Coast on 6 meters.

A quantum leap in activity seems to have been achieved on 220 MHz, with WB2IEY noting "it was the first time I needed a dupe sheet for that band." An increased amateur presence on 220 can only bode well for its continued preservation. Any semiserious VHF contesteer can no longer afford to give away the multipliers and contacts to be made here. Your tax rebate should

be just the ticket to put you behind the wheel of a new 220 transverter in time for the June VHF QSO Party. You'll be pleasantly surprised, and your score will be amply rewarded.

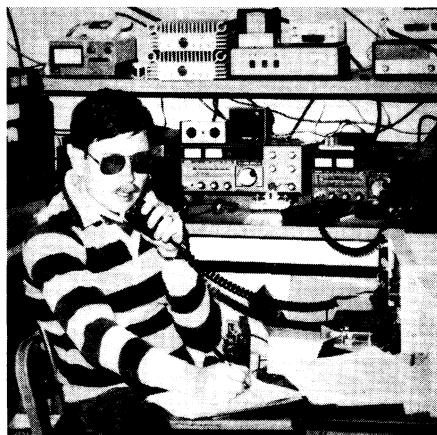
Our newest UHF band, "Nine-Oh-Two" is starting to generate some sparks. WB1FKF made his first 902 contact during the contest and is looking for more in June. For AF1T, "902 MHz was the highlight of the contest." Keep your eyes and pocketbooks open for the 902 paraphernalia starting to find its way to the shelves of the VHF emporia. The numbers aren't impressive yet, but this report for the first time includes 902 box scores. What will the numbers look like for June?

Thanks to Data Base Manager II®, let the score listings and an abundance of boxes for the stat freaks do the rest of the talking.

Re certificates: our apologies and thanks to the deserving faithful in 1985 for your patience while awaiting the newly designed sharp certificates. We're back on track now for a July 15 VHF SS mailing. And while we await the June bash with anxious anticipation, we'll wrap this one up with the help of WA6OSX, who summarized the contest this way: "No skip, spent money, no sleep, not funny, no sun, had fun." See y'all in June!—W1XX

SOAPBOX

Saturday activity was great, but Sunday activity was so bad, I wonder why I bothered to turn the equipment on (K1FO). Propagation to the east was so bad, I had to send my call and grid square in CW using the mic button to answer W1XX in Rhode Island (KA1KOJ). Contest operating is wild at



NK0P used this setup to cop single-op honors in the Rocky Mountain Division in January '86.

Affiliated Club Competition

Club	Score	Number of Entries	Single Op Winner
<i>Unlimited Category</i>			
Mt Airy VHF Radio Club	1,796,383	59	WA3AXV
<i>Medium Category</i>			
Rochester VHF Group (NY)	424,104	48	N2WK
Delaware Valley VHF Society	408,929	17	K3HP
Hampden County Radio Assn	263,089	31	KA1ZE
Suburban ARC	105,892	7	WA3LBI
South Jersey Radio Assn	86,067	17	N2FY
Northern California Contest Club	72,512	4	K6GSS
Warrminster ARC	41,855	26	WB3EPU
Mt Tom ARC	33,743	22	WB1HAB
Six Meter Club of Chicago	28,727	22	WD9EXD
Granite State ARA	20,406	11	AC1J
Mobile Sixers RC	8,302	13	AE3J
Rochester (MN) ARC	7,142	47	WB0VB
West Jersey Radio Amateurs	2,911	5	KD2JT
<i>Local Category</i>			
S.C.O.R.E.	326,239	6	WB2WIK
Murgas ARC	134,963	7	WA3YON
Steel City ARC	99,240	3	WA3FYJ
Crystal RC	87,577	6	N2BJ
Anne Arundel RC	27,708	3	WA3UJE
Wheaton Community Radio Amateurs	20,109	10	KR9K
Gloucester County ARC	8,038	6	K2JF
TRW ARC	4,246	6	WA6RAY
Penn Wireless Assn	3,487	4	AA3B
Central Michigan ARC	2,534	6	WB8AAK
Huber Heights ARC	1,562	6	N8CCC
Dutchess County VHF Society	1,224	3	W2AWX

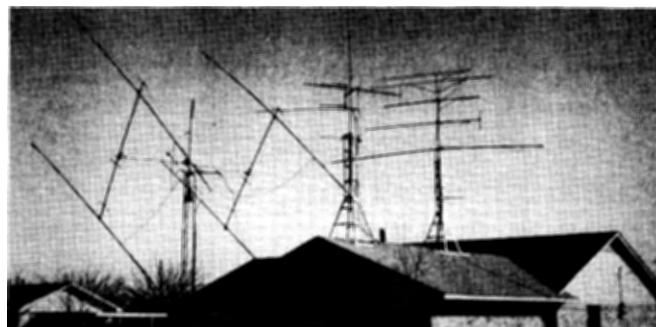
Multiplier Leaders By Band

	50 MHz	220 MHz	902 MHz
N2CEI	68	W1VD (K1JX)	25
W1VD (K1JX)	60	WB2IEY	21
WA1OUB	59	K2OS	20
WB2WIK	55	WB2WIK	20
W9OEH	54	WA3AXV	19
K1TOL	50	WA2TEO	19
WA3FYJ	48	VE3BFM	19
KB3OM	46	K4LHB	18
WA4NJP	44	K8BZW	18
WB3JYO	43	WA3FYJ	18
N2SB*	74	W2SZ/2*	26
W2SZ/2*	53	VE3LNX*	22
WA2OMY*	52	N2SB*	21
			1296 MHz
			KD5RO
			W1VD (K1JX)
			K2SMN
			WA3JUF
			K2TXB
			N2BJ
			NF2P
			WA3AXV
			WB3ESS
			WB8DRL*
			N2SB*
			KE5EP*

*Multioperator station

Division Leaders

Single Operator	Division	Multioperator
WA3AXV	171,820	Atlantic
VE3BFM	19,765	Canada
W9OEH	60,515	Central
K0GJX	4,056	Dakota
K5UR	22,310	Delta
WB8ISK	43,625	Great Lakes
WB2WIK	142,659	Hudson
WB8RT	16,320	Midwest
W1VD (K1JX)	231,295	New England
NF7X	4,264	Northwestern
K6GSS	44,992	Pacific
W3IY/4	65,190	Roanoke
NK0P	20,160	Rocky Mountain
WA4NJP	24,346	Southeastern
W6CPL	16,400	Southwestern
KD5RO	38,622	West Gulf



WA5VJB maintains a low profile while operating the VHF SS.

Single Operator Call Area Leaders—QSOs Per Band

Call	50 MHz	144 MHz	220 MHz	432 MHz	902 MHz	1296 MHz and up
W1VD (K1JX)	274	543	69	151	—	30
WB2WIK	250	347	79	111	—	28
WA3AXV	174	340	142	141	—	69
W3IY/4	99	172	41	75	—	28
KD5RO	55	126	—	57	—	35
K6GSS	58	295	53	86	—	18
K2DNR	30	39	—	20	—	7
WB8ISK	65	138	22	47	1	1
W9OEH	116	155	23	65	—	2
NK0P	41	99	15	47	—	12
VE3BFM	—	95	38	42	—	9

Multioperator Call Area Leaders—QSOs Per Band

Call	50 MHz	144 MHz	220 MHz	432 MHz	902 MHz	1296 MHz and up
W1NY	231	402	81	141	—	—
N2SB*	345	757	168	214	3	70
WA2OMY	203	393	134	141	—	56
W4FBF	80	184	8	24	—	—
KE5EP	46	91	13	47	—	20
N0KV/6	59	142	140	100	—	12
KU8Y	39	146	—	—	—	—
WB9MSV	86	155	12	62	—	—
WB0DRL	112	141	11	40	—	16
VE3LNX	93	296	50	86	—	12

times, and I like the activity (KX1C). The 6-meter amp blew out, the 6-meter VFO quit and the 2-meter Yagi feed line fell off the antenna. Great contest! Lots of fun! (WA2SLY). My first VHF contest (WA2ZNT). Great winter activity, I can't wait for real tropo! (WB2ZSY). Even W1AW was active (KC2CP). My first VHF operation from the new QTH, unfortunately the same old equipment (K4BNC). Multipliers were down but activity surprisingly high (KA2IVS). Glad to see a lot of activity (W2HRW). No snow, rain or icing. Everything ran just the way it was supposed to (WB2KIW). Murphy visited the shack Sunday afternoon and decided I did not need the power supply for the 6- and 2-meter amps (N3BBI). I enjoyed the chance to polish my rusty contest skills; it's been almost 10 years since I submitted a score (WA3ELQ). It was fun. Hope to do it again (KA3OKO). First contest! Enjoyed it very much

(N3EQC). Conditions appeared better than normal although I missed most of the good stuff (W3ZZ). Bands were rather dead, but kW output does make up the difference (W3AUN). Already looking forward to the June contest (WA3FYJ). It was funny, more QRN on the horizontal beam than on the vertical (WB3EUM). Six meters was terrible! (KA4BLN). Oh well, there is always June (WB4NXY). I was on 2304 but nobody to exchange with (W4ODW). Operating from central Florida was quite a change this year from the 6-foot snow drifts in West Virginia last year (N8FCJ/4). All I can say is that I gave it a try! (W1WLE/4). Absolutely horrible conditions (K5UR). Lots of QSB and weak signals (K5YY). See y'all in June (WD5BJT). No openings, but the meteor scatter sure seemed good! (WA5VJB). Lots of noise, bad conditions, bah humbug, etc (AB5T). Did N5HHS ever sleep? (KC5GB). Where were all the 6-meter

people? (KA6ZVP). Line noise horrendous. Conditions only fair. Not enough participation. (K6CH). Great contest! (WF6J). Nice to see the usual contestants come out of the woodwork and see a few new ones, too! (WA7ECY). Best DX in any contest so far! (WB7ATP). Good weather brought out several grid hoppers, really helped the score (WA7KYM). Great fun! I picked up a few new grid squares (K8NWD). Lots of activity, but I had bad line noise (NE8I). No tropo on 6 meters, E nothing! (WA8TJL). I haven't been in a VHF contest in 17 years; it was fun! (WA8SAJ). Poor conditions during days, picking up at night made for a rather slow contest. Heard a W2 only once on 2 meters. Really wore out the rotor! (WD9IIX). If these are winter conditions, I can't wait for summer conditions (KU9L). FB contest! (N9DUW). First contest. Guess the bug has bitten me! (K9GVN). Jan 12 was my birthday, and I couldn't think of

a better way to celebrate it (N9EOM). Where did everybody go on Sunday? (N9FIB). Contesting is alive and well in the Rocky Mountains. More activity this year than last (NK0P). What a great bunch

of operators! (WA0DCB). The 6-meter E_s to the East Coast was a highlight (N0LL). Wish we could get more people interested (K0TS). Slow going this year (KC0RV). Lots of fun (KA0PIC). Bought new

rig just to get in this contest! (NJ0C). The bands were very good to us this year. We set some new highs for QSOs. It must be the weather that kept everyone inside (VE3LNX).

Scores

Call, score, QSOs, multipliers, bands operated (A = 50 MHz; B = 144 MHz; C = 220 MHz; D = 432 MHz; E = 902 MHz; F = 1296 MHz; G = 2.3 GHz; H = 3.4 GHz; I = 5.7 GHz; J = 10 GHz; K = 24 GHz; L = light).

1	K1SW	9,030- 202- 35-ABCD	N2EOC	2,784- 87- 16-C	WA2MYG	2,338- 126- 14-BCD	W3HFY	26,520- 311- 60-ABCDE
Connecticut	WB1HAB	7,770- 195- 35-ABD	KA2IVS	2,100- 150- 14-B	W2WGL	2,322- 86- 27-B	K3ACR	24,336- 399- 52-ABC
W1VD (K1JX, opr)	KA1KPH	5,700- 208- 25-ABD	AK2F	1,755- 135- 13-B	W2EW	2,244- 187- 12-AB	W3IIT	24,295- 422- 43-ABCD
KA1ZE	KA1KJ	5,676- 258- 22-B	WB2BPY	1,440- 96- 15-AB	K2GMZ	2,232- 93- 12-AB	N3EX	24,244- 285- 76-ABD
WA1STO	74,938- 667- 89-ABCDEF	K1BE	5,018- 174- 26-ABD	N2DXP	949- 73- 13-A	WB3IGR	20,748- 410- 38-ABCD	
WA1XB	23,140- 381- 52-ABD	KA1BLV	3,278- 134- 22-ABC	KD2JT	312- 39- 8-B	KB3IB	20,253- 369- 43-ABCD	
AB1U	16,497- 267- 47-ABCD	W1CJ	2,628- 125- 18-BCD	WA2UDT	264- 33- 8-B	WB3ESS	19,737- 181- 43-BCDEF	
K1FO	14,464- 226- 32-D	WA3EEC	2,000- 125- 16-AB	N2WM (+ WA3WUD)	39,516- 438- 74-ABCD	K3JJZ	17,945- 364- 37-ABCD	
K1GX	7,242- 317- 26-S	NA1W	1,911- 147- 13-B	K2BQJG (+ WB2RWB)	2,024- 187- 14-AB	WB3LNZ	17,672- 307- 47-ABD	
WA1HYN	7,532- 199- 28-D	K1KNO	1,838- 87- 14-BD	W2ODV (KA2TKH, W2KB, oprs)	28,552- 222- 43-ABCD	W3CL	17,494- 356- 33-ABCD	
K1ZJH	4,800- 240- 20-S	NA1X	950- 95- 10-B	225- 25- 9-B	K2AJ	1,290- 129- 10-AB	K3BPP	15,360- 268- 30-ABCDEF
W1WHL	3,400- 136- 25-A	WB1FIP	946- 82- 11-ABCD	KX2J	1,288- 139- 8-ABCD	WB3DNJ	14,880- 303- 31-BCDE	
K1ZKR	3,168- 144- 22-AB	W1NMQ	912- 53- 16-ABC	WA2YPT	1,280- 128- 10-AB	N3AOG	13,890- 287- 30-BCDE	
WA1ZNT	2,877- 137- 21-AB	WA1UU	810- 77- 10-BD	NM2V	1,074- 179- 6-B	N3ADC	13,026- 295- 39-ABD	
W1FAJ	2,432- 46- 19-CD	WA1OCK	805- 89- 7-BCD	WA2UBD	1,071- 142- 7-ABD	K3ESJ	11,976- 356- 24-BCD	
K1IU	2,380- 109- 20-BD	W1UW	714- 75- 7-BCD	N2FBN	1,064- 142- 7-ABD	WB3EPU	11,451- 298- 33-BC	
K1EM	1,584- 88- 18-AB	K1YOU	696- 48- 12-BC	K2GXT (N2TW, opr)	1,530- 101- 15-BD	WA3AQ	10,750- 305- 25-ABCD	
WB1AAG	848- 46- 16-ABCD	WA1HFF	657- 67- 9-BD	WA2EKT	1,305- 187- 7-B	K3DMA	10,056- 318- 24-ABCD	
K0IR	585- 117- 5-B	KA1CRX	648- 72- 9-AB	W2PAU	1,200- 102- 10-AB	KU3A	9,006- 203- 38-ABCD	
KA1MZC	470- 93- 5-BD	WB1EMB	630- 74- 7-BC	W2WBT	1,020- 51- 20-AB	KB3ZS	8,736- 271- 28-BD	
K1WVX	141- 47- 3-B	WB1GLZ	630- 70- 9-AB	K2MP	962- 72- 13-ABD	WA3IWT	8,225- 189- 25-ABCD	
WA1GTP	120- 20- 6-B	K1JDL	564- 94- 6-B	KC2AW	891- 99- 9-AB	W3CJU	6,710- 214- 22-ABCD	
K1KI	78- 39- 2-B	K1AJ	534- 82- 6-BC	W2SRP	832- 64- 13-B	W3NSI	6,612- 224- 19-BCD	
KA1KJU	36- 9- 4-BC	KB1JW	515- 103- 5-B	WA2URE	786- 131- 6-AB	WB3FKQ	6,169- 123- 31-ABCD	
KM1P	28- 14- 2-B	K2HRW	24,738- 376- 62-ABCD	N2TW	736- 92- 8-AB	KA3EEO	6,116- 115- 44-ABCD9E	
W1QK (+K1EF1, KA1ECL, N1BY, WA1WVX, KF6AJU1) 97,216- 98-ABCDEF	WB1DLH	292- 73- 4-B	K2GXT (N2TW, opr)	720- 101- 6-BD	K3EZB	5,768- 206- 28-AB		
W1CGA (WD4ELG, ND8L, oprs)	NA1V	264- 88- 3-B	W2NFSN	702- 101- 6-BD	KA3FBP	5,453- 198- 19-BCD		
605- 55- 11-B	K2RWA	519- 83- 3-B	K2AVCW	700- 140- 5-B	WB3RSJ/3	4,818- 122- 22-BDE		
Eastern Massachusetts	KB1MU	249- 83- 3-B	W2PAU	18,450- 358- 45-ABD	W3LGO	4,767- 197- 21-BC		
W1JR	24,661- 265- 59-ABC9E	K2T	5,082- 201- 22-ABCD	W2WAV	693- 99- 7-B	W3GXB	4,600- 201- 20-BC	
K1KG	17,437- 265- 53-ABCD	WB1DBY	480- 71- 6-BC	K2DKQ	692- 173- 4-B	K3MXM	4,539- 221- 17-ABC	
WA1JOF	16,575- 217- 51-ABCD	KA1F	320- 80- 4-B	WA2ONT	588- 147- 4-B	K3VVG	3,750- 185- 15-ABC	
K1SRZ	10,212- 209- 37-ABCD	KA1MEY	320- 80- 4-B	N2EZS	574- 78- 7-BCD	W3CXU	3,299- 110- 16-ABCD	
W1GXT	8,621- 158- 37-ABCD	KA1MPA	156- 52- 3-B	N2JC	574- 82- 7-B	WA3ETR	2,002- 123- 14-ABC	
WB1PKF	8,226- 135- 34-ABCD9E	KA1JDY	136- 46- 3-B	K2A2IC	572- 143- 4-B	WA3YDZ	1,792- 93- 14-AB	
K1TO	3,776- 92- 32-ABCD	N1CDR	102- 51- 2-B	W2PHT	550- 110- 5-B	N3CJH	1,703- 101- 13-BCD	
K1BK	3,724- 73- 19-ABD	WB2EKB	5,082- 201- 22-ABCD	W2WFBP	528- 48- 11-B	K3LYB	2,363- 131- 17-AC	
K1VZ!	3,366- 116- 18-ABCD	W1VNE	86- 43- 2-B	K2GCM	520- 104- 5-B	A3AB	2,316- 193- 12-B	
KX1C	3,322- 129- 22-ABD	WA1EYF	84- 42- 2-B	N2RF	512- 128- 4-B	W3HJK	2,175- 103- 15-ABCD	
AJ1E	3,096- 102- 18-BDE	KA1LXT	62- 31- 2-B	K2FW	529- 128- 3-B	K3GAS	2,123- 128- 11-ABCD	
KA1SU	3,050- 114- 25-ABCD	KA1CQL	56- 28- 2-B	WA2PWL	526- 223- 26-ABCD	W3BRW	2,100- 150- 14-AB	
K1GV	2,415- 65- 21-ABDE	N1COT	34- 17- 2-B	N2F	526- 237- 31-ABD	WA3YD	2,002- 180- 33-AB	
W1YWN	2,286- 127- 18-B	N1AEH	30- 15- 2-B	K2JF	527- 130- 17-BCD	WA3YDZ	1,792- 93- 14-AB	
KA1FVG	1,400- 100- 14-B	W1NY (AC1, K1DH, KA1KBN, N1DPM, NC11, W1KK, WA1UQ, oprs)	5,249- 131- 14-ABCD	K2JRK	527- 143- 4-B	N3CJH	1,703- 101- 13-BCD	
W1WIS	1,300- 100- 13-B	WB1ETS (+ N1AEH)	133,548- 855- 124-ABCD	W2QRF	528- 140- 5-B	K3OAK	1,602- 89- 18-B	
K1CHY	949- 61- 13-ABCD	WB1DBZ	404- 105- 13-ABCD	K2KMO	528- 140- 4-B	K3EPB	1,590- 129- 10-ABC	
N1CPK	730- 73- 10-A	WB1ETS (+ N1AEH)	1,547- 105- 13-ABCD	WA2RDB	530- 104- 5-B	WA3TYF	1,540- 166- 7-BC	
N1BFZ	504- 46- 11-A	W1ALL (+ KA1MYW)	210- 42- 5-B	N2F	530- 104- 5-B	K3PHY	1,506- 201- 4-B	
W1FM	430- 29- 10-ABD	WB2EML	294- 42- 7-B	K2VZ	532- 133- 4-B	K3RTU	1,495- 108- 13-ABC	
NB1B	160- 32- 5-B	K2LQO	200- 100- 2-B	K2JW	532- 145- 4-B	K3QOI	1,449- 57- 23-ABC	
WA1QJ	125- 25- 5-A	KM2C	172- 86- 2-B	W2JUW	532- 145- 4-B	WA3LMM	1,444- 23- 28-AB	
W1XV	12- 3- 3-ABC	WB2EFL	161- 23- 7-AB	K2PEY	532- 145- 4-B	WB3HHO	816- 152- 4-BC	
WA1MZ (+ K1KEC, KV1E, N1BRM)	WB1DBZ	142- 71- 2-B	K2NME	532- 145- 4-B	W3GJC	808- 150- 4-BC		
W1XM (N1s CPK, DAM, DPM, W1GSL, N2CUV, N6GSZ, oprs)	N2BJ	86,130- 666- 90-ABCD	KA2DFG	532- 145- 4-B	K3ZIG	764- 146- 4-BC		
5,750- 148- 25-ABCD	WA2TEO	76,000- 612- 100-ABCDEF	N2DJ	532- 145- 4-B	W3AWA	624- 76- 8-ABC		
Maine	WA2TIF	23,320- 343- 53-BD	WA2RCB	532- 145- 4-B	WA3IMT	584- 73- 8-AB		
W3HQZ	10,282- 148- 53-ABCD	WB2RWB	320- 66- 5-B	WA3HIT	552- 94- 4-BC			
K1TOL	6,300- 126- 50-A	K2KMO	472- 100- 4-B	K1MAD/3	550- 48- 11-BC			
WA1TRE	3,960- 105- 33-ABD	WA2RWB	472- 100- 4-B	K3LIN	489- 163- 3-B			
K1RSA	1,702- 74- 23-AB	N2EW	472- 100- 4-B	WB3LIR	420- 60- 7-AB			
K1GPJ	90- 15- 6-A	W2KHO	476- 14- 13-B	WA3TQJ	400- 100- 4-B			
New Hampshire	W2AWX	880- 37- 16-ABCD	K2AAW	476- 12- 16-ABCD	W3AJF	395- 54- 5-BC		
WA1OUB	43,862- 482- 91-AB	WB2AWF	612- 51- 12-B	WA2NPL (+ K2DFG, N2FHL, WA2RUG)	44- 11- 2-D	WA3ELO	315- 50- 5-BC	
AF1T	13,377- 187- 49-ABCD9E	WB2IKA	336- 42- 8-B	WA2RHJ (+ N2ERI)	2,350- 94- 25-AB	KC3QG	288- 48- 3-C	
AC1J	16,626- 236- 43-ABCD	KU2Q	320- 32- 10-AB	K2SPO (+ KC2NG, KB2FG, W2EK)	2,276- 334- 58-ABCD	WA3IAC	272- 53- 4-BC	
W1ENE	3,570- 170- 21-B	WB2IJB	264- 33- 8-B	W2RCX (NA20, WB2ODH, oprs)	18,736- 334- 58-ABCD	K3KT	268- 67- 4-B	
K1TR	1,652- 118- 14-B	WA2RUW	110- 11- 5-C	KE2T (+ KC2OW, N2CMF, WB2SUN)	18,040- 307- 55-ABD	K3LIM	262- 131- 2-B	
WIJSM	1,050- 68- 14-BD	WA2MEE	80- 16- 5-B	K2OEO (K1JUL, KA2NME, PJJN, VZH, WNF, YMZ, N2FTQ, oprs)	2,093- 146- 13-ABCD	K3DLS	208- 52- 2-C	
KA1CDZ	1,003- 55- 17-ABCD	K2CIB	76- 19- 4-B	WA2PSI (N2s AJK, AJY, AJW, W2AV, WA2ZYS, ZKD, ZQN, WB2s)	2,093- 146- 13-ABCD	N3ELS	206- 103- 2-B	
WA1RWP	621- 68- 9-BC	WB2NEC	60- 15- 4-B	KAO, OCJ, WA3VRE, WB0U, oprs)	65,000- 489- 100-ABCD9E	KA3OKO	200- 100- 2-B	
N1DNV	276- 46- 6-B	K5NA	24- 6- 4-AB	WA2RHJ (+ N2ERI)	2,350- 94- 25-AB	N2AQJ	180- 90- 2-B	
WB1AAZ	144- 24- 6-A	W2S5Z2	24,732- 282- 10-B	K2SPO (+ KC2NG, KB2FG, W2EK)	22,736- 334- 58-ABCD	N3EQC	140- 70- 2-B	
N1DNC	140- 28- 5-B	WA2ARQ	248- 24- 6-B	W2RCX (NA20, WB2ODH, oprs)	18,040- 307- 55-ABD	W3MXN	132- 66- 2-B	
WA1TDA	108- 18- 6-B	WB2KMY	455- 65- 7-B	WA2AAZ (KA2s JOV, UXM, WA2SOK, oprs)	270- 27- 10-B	WA3VFM	124- 62- 2-B	
W1BDC	60- 12- 5-AB	AC2P	410- 44- 10-B	KM2K	18,340- 192- 70-ABCD	N3BPJ	108- 54- 2-B	
KA1JDJ	24- 8- 3-B	WB2WIK	10,998- 277- 39-ABCD	K2GZ	18,340- 192- 70-ABCD	KA3BBU	100- 50- 2-B	
KA1NEK	16- 8- 2-B	WA2BPE	10,759- 203- 53-AB	K2W2T	10,759- 203- 53-AB	N3DKD	100- 50- 2-B	
KA1CYG	10- 5- 2-B	WA2SLY	6,426- 150- 34-ABD	WA2BPE	10,759- 203- 53-AB	N3EQB	98- 49- 2-B	
KB1NX	6- 3- 2-B	WB2ALW	5,964- 206- 29-B	WA2LAQ	9,951- 280- 31-ABCD	KA3OFF	82- 41- 2-B	
KA1GOY	4- 2- 2-B	WA2ZST	880- 43- 16-ABCD	WB2ELB	9,472- 268- 32-ABCD	KB3GL	78- 39- 2-B	
Rhode Island	WB2ZSY	870- 87- 10-B	WA2MZA	8,738- 240- 34-ABCD	N3ELQ	70- 35- 2-B		
K1DS	2,415- 115- 21-AB	AC2P	455- 425- 36-B	K2MHS	8,738- 240- 34-ABCD	KC3IE	69- 21- 3-BC	
K9SB/1	1,110- 74- 15-B	WB2OO	148,702- 817- 149-ABCD	WA2MKN	8,738- 240- 35-ABCD	KA3BET	36- 9- 4-B	
W1XX (+ N1CNV, WB1DNL, KB9NM)	WB2LW	142,659- 815- 131-ABCD	K2EN	8,738- 240- 35-ABCD	KA4IXQ	32- 32- 1-B		
60,588- 587- 81-ABCD9E	WB2LWS	121,605- 773- 121-ABCD	KA2DQA	8,738- 240- 35-ABCD	KA3MGB	27- 9- 3-B		
Vermont	WB2LW	116,718- 812- 98-ABCD	WA2F2K	5,313- 253- 21-AB	WB3ISF	16- 8- 2-B		
W1AIM	2,937- 80- 33-ABCD	WB2VUN	24,766- 290- 58-ABCD	K2V2O	4,961- 121- 41-AB	WA3NAO	6- 3- 2-AB	
KA2MSM	854- 61- 14-A	N2CEI	21,692- 319- 68-A	K2S2Z	4,674- 160- 6-BD	WA3INF	5- 5- 1-A	
WA1TBV	686- 49- 14-A	WB2OO	15,300- 425- 36-B	WA3NUF	7,024- 635- 83-ABCD	WA2OMY (+ AA2Z)	194,266- 927- 137-ABCDDEF	
WA1WIF	434- 31- 14-A	WB2LW	13,780- 234- 53-ABD	WA3LBI	7,024- 635- 83-ABCD	W3KNN (+ W3CXU)	61,600- 593- 70-ABCD	
Western Massachusetts	WB2LW	121,605- 773- 121-ABCD	WB2ZES/2	4,674- 160- 6-BD	WA3LBI	7,024- 635- 83-ABCD	K3B3L	57,063- 590- 69-ABCD
W1GCI	44,616- 403- 78-ABCD	NJ2R	11,					

WB3FAA (+ K3MKZ, WB3CAI) 29,784- 343- 68-ABCD	KC4IH W4CKD WA4IMP N4MM N4KEQ WA1TV/4 KU4KW KB4CMF N4BG WD4GSM (+ KB4DFK)	3,838- 81- 38-BD 3,648- 96- 36-A 2,756- 92- 26-ABD 2,436- 84- 29-AB 2,268- 84- 27-AB 1,530- 90- 17-B 1,414- 101- 14-B 1,365- 91- 15-AB 900- 45- 20-B 3,145- 66- 37-ABCD	San Diego WA5BNH 5,504- 133- 32-ABCD W6OYJ 1,005- 52- 15-ABCD WA6OYS 64- 8- 2-E	KT8W 9,751- 199- 49-B WB3CHS/B 8,004- 174- 46-B KA8UIE 2,511- 93- 27-B N8DKL 1,736- 42- 31-ABCD W8TN 520- 23- 20-ABD WA8DQR (+ KB8JF, LG, NBDIR, WD8AFJ)	KC6ZR 544- 34- 16-B WB6DRL (+ N8DU, WA8TJK) 59,079- 320- 141-ABCD KF6M (+ KB6OW, N8FU, WA8VJF) 37,152- 308- 96-ABCD WB6ZCV (+ N8GEL)
K3JFL (+ oprs) 28,220- 361- 68-ABD	5		San Francisco WA8LLY 240- 14- 12-ABD	7,884- 146- 54-AB	300- 25- 12-B
KB3HE (+ KB3NO) 25,400- 410- 50-ABCD	Arkansas		San Joaquin Valley K5UR 22,310- 192- 97-ABCD K5YY 7,572- 109- 52-BD WA5OOE (+ N5DL, WD5 CAN, CAP)	9	Minnesota K0GJX 4,056- 89- 39-ABD W8VB 1,794- 78- 23-B WD9GBU 1,530- 85- 18-B W8OHU 854- 48- 14-BDE WB6GGM 525- 31- 15-ABD K0TS 342- 53- 6-BD KA9TAT 234- 39- 6-B WD8ETA 200- 24- 8-BD WD8GNK (NM8Q, op)
W3CCX (K3s EOD, HW, DLS, WA3FU, WB3CTP, oprs) 13,369- 386- 29-ABC	Louisiana	5,128- 108- 64-ABCD	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF)	KC6ZR 544- 34- 16-B WB6DRL (+ N8DU, WA8TJK) 59,079- 320- 141-ABCD KF6M (+ KB6OW, N8FU, WA8VJF) 37,152- 308- 96-ABCD WB6ZCV (+ N8GEL)
WB3IND (+ W3KM) 3,660- 183- 20-AB	New Mexico	5,128- 108- 64-ABCD	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF)	KC6ZR 544- 34- 16-B WB6DRL (+ N8DU, WA8TJK) 59,079- 320- 141-ABCD KF6M (+ KB6OW, N8FU, WA8VJF) 37,152- 308- 96-ABCD WB6ZCV (+ N8GEL)
Maryland-DC	K3HZO 46,458- 367- 87-ABCD W3IP 20,659- 214- 73-ABCD K3ZO 17,898- 314- 57-AB W3ZZ 14,820- 235- 52-ABCD WA3JUE 14,728- 221- 56-ABCD K1RZ 14,100- 300- 47-B K3IVO 13,161- 269- 41-ABDE N3DOU 10,296- 232- 39-BCD WA3NZL 9,680- 156- 44-ABCD W3IFM 5,207- 127- 41-A W3XO 4,588- 113- 31-ABCD K3TC 3,570- 170- 21-B KB3HH 2,684- 100- 22-BD N3AM 1,204- 86- 14-B N3COB 1,065- 71- 15-B KE3A 1,040- 65- 16-B WB3LJK (K3s ONW, UHY, oprs) 61,536- 441- 96-ABCD W3AJN (+ N3DUE, WA3FEE, WB3KYX) 7,072- 208- 34-B	5,128- 108- 64-ABCD	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF)	KC6ZR 544- 34- 16-B WB6DRL (+ N8DU, WA8TJK) 59,079- 320- 141-ABCD KF6M (+ KB6OW, N8FU, WA8VJF) 37,152- 308- 96-ABCD WB6ZCV (+ N8GEL)
Western Pennsylvania	WA3FJY 57,534- 362-129-ABCD WA3HTS 21,660- 208- 76-ABCD W3DH 2,040- 68- 30-AB KA3KZF 2,025- 75- 27-B KA2JMM/3 1,474- 67- 22-B KR3V 1,380- 60- 23-B WB3EUM 1,260- 60- 21-B W3KJ-M 360- 30- 12-A W3KWH (AK3J, K3PYA, KA3s ITW, MUO, N3EQP, W3HH, WB3EML, WN3VAW, oprs) 20,046- 213- 78-ABD	5,128- 108- 64-ABCD	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF)	KC6ZR 544- 34- 16-B WB6DRL (+ N8DU, WA8TJK) 59,079- 320- 141-ABCD KF6M (+ KB6OW, N8FU, WA8VJF) 37,152- 308- 96-ABCD WB6ZCV (+ N8GEL)
4	Northern Texas	KD5RQ 38,622- 273- 82-ABDEF WA5VJB 37,157- 289- 73-ARCDDEF WB5RFH 5,054- 102- 38-ABD NW5E 3,393- 109- 29-BCD WB5AFY 2,052- 34- 19-DEF WB5KYK 1,456- 47- 26-ABD WB8CGH 1,045- 55- 19-AB K7CW 510- 22- 15-BDE K5UGM 176- 11- 6-C KE5EP (+ N5GSA) 22,242- 217- 66-ABCFDE WB5KTC (+ AD5I) 5,733- 138- 39-ABD	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF)	KC6ZR 544- 34- 16-B WB6DRL (+ N8DU, WA8TJK) 59,079- 320- 141-ABCD KF6M (+ KB6OW, N8FU, WA8VJF) 37,152- 308- 96-ABCD WB6ZCV (+ N8GEL)
Alabama	WA4ALIT 8,784- 116- 61-ABD KA4BLN 1,275- 42- 25-ABD KA4VEY 1,078- 38- 22-ABD WA4VUG 36- 9- 4-B	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF)	KC6ZR 544- 34- 16-B WB6DRL (+ N8DU, WA8TJK) 59,079- 320- 141-ABCD KF6M (+ KB6OW, N8FU, WA8VJF) 37,152- 308- 96-ABCD WB6ZCV (+ N8GEL)
Georgia	WA4NJP 24,346- 200- 94-ABCFDE KD4LT 3,737- 90- 37-BD K4CKS 3,026- 86- 34-ABC N3AH1 2,829- 61- 41-ABC W3EP/4 2,538- 47- 27-B WB4NMA 1,440- 24- 14-AC K4KAZ 585- 33- 15-ABD	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF)	KC6ZR 544- 34- 16-B WB6DRL (+ N8DU, WA8TJK) 59,079- 320- 141-ABCD KF6M (+ KB6OW, N8FU, WA8VJF) 37,152- 308- 96-ABCD WB6ZCV (+ N8GEL)
Kentucky	WB4NXY 10,050- 121- 67-ABDE	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF)	KC6ZR 544- 34- 16-B WB6DRL (+ N8DU, WA8TJK) 59,079- 320- 141-ABCD KF6M (+ KB6OW, N8FU, WA8VJF) 37,152- 308- 96-ABCD WB6ZCV (+ N8GEL)
Northern Florida	W4ODW 7,897- 111- 53-ABCFDE N8FCJ/4 3,150- 102- 25-ABD	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF)	KC6ZR 544- 34- 16-B WB6DRL (+ N8DU, WA8TJK) 59,079- 320- 141-ABCD KF6M (+ KB6OW, N8FU, WA8VJF) 37,152- 308- 96-ABCD WB6ZCV (+ N8GEL)
North Carolina	K4JQJ 3,900- 100- 39-B N2CJ/P 1,980- 60- 30-ABD	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF)	KC6ZR 544- 34- 16-B WB6DRL (+ N8DU, WA8TJK) 59,079- 320- 141-ABCD KF6M (+ KB6OW, N8FU, WA8VJF) 37,152- 308- 96-ABCD WB6ZCV (+ N8GEL)
South Carolina	WA4ALU 3,234- 65- 42-ABD PE1AHXW4 496- 31- 16-B KJ4BF (+ AJ4N, KA4DI, KJ4X, WB4WF, WFQ4V) 11,247- 133- 69-ABCFDE	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF)	KC6ZR 544- 34- 16-B WB6DRL (+ N8DU, WA8TJK) 59,079- 320- 141-ABCD KF6M (+ KB6OW, N8FU, WA8VJF) 37,152- 308- 96-ABCD WB6ZCV (+ N8GEL)
Southern Florida	N4EW 2,680- 80- 28-ABD WD4AHZ 1,501- 62- 19-BD K4DZP 795- 41- 15-ABDE W1WLE/4 240- 24- 10-AB K1FJM/4 21- 7- 3-B W2SDB/4 10- 10- 1-B	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF)	KC6ZR 544- 34- 16-B WB6DRL (+ N8DU, WA8TJK) 59,079- 320- 141-ABCD KF6M (+ KB6OW, N8FU, WA8VJF) 37,152- 308- 96-ABCD WB6ZCV (+ N8GEL)
Tennessee	WB4CTW 11,564- 190- 49-ABCFDE WB4JGG 7,112- 127- 56-AB W2GU 5,084- 85- 41-BD N4MW 1,456- 45- 26-ABD	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF)	KC6ZR 544- 34- 16-B WB6DRL (+ N8DU, WA8TJK) 59,079- 320- 141-ABCD KF6M (+ KB6OW, N8FU, WA8VJF) 37,152- 308- 96-ABCD WB6ZCV (+ N8GEL)
Virginia	W3IY/4 65,190- 425-106-ABCFDE K4LHB 32,007- 275- 89-ABCFDE WA4FHG 10,123- 151- 53-BD K9OYD/4 6,608- 184- 37-BD WA4SBC 6,747- 126- 39-ABD AA4KP 4,810- 185- 26-B K4FTO 4,785- 134- 33-ABD	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF)	KC6ZR 544- 34- 16-B WB6DRL (+ N8DU, WA8TJK) 59,079- 320- 141-ABCD KF6M (+ KB6OW, N8FU, WA8VJF) 37,152- 308- 96-ABCD WB6ZCV (+ N8GEL)
Pacific	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF)	KC6ZR 544- 34- 16-B WB6DRL (+ N8DU, WA8TJK) 59,079- 320- 141-ABCD KF6M (+ KB6OW, N8FU, WA8VJF) 37,152- 308- 96-ABCD WB6ZCV (+ N8GEL)
Santa Clara Valley	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF)	KC6ZR 544- 34- 16-B WB6DRL (+ N8DU, WA8TJK) 59,079- 320- 141-ABCD KF6M (+ KB6OW, N8FU, WA8VJF) 37,152- 308- 96-ABCD WB6ZCV (+ N8GEL)
Santa Barbara	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF)	KC6ZR 544- 34- 16-B WB6DRL (+ N8DU, WA8TJK) 59,079- 320- 141-ABCD KF6M (+ KB6OW, N8FU, WA8VJF) 37,152- 308- 96-ABCD WB6ZCV (+ N8GEL)
Iowa	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF)	KC6ZR 544- 34- 16-B WB6DRL (+ N8DU, WA8TJK) 59,079- 320- 141-ABCD KF6M (+ KB6OW, N8FU, WA8VJF) 37,152- 308- 96-ABCD WB6ZCV (+ N8GEL)
Colorado	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF)	KC6ZR 544- 34- 16-B WB6DRL (+ N8DU, WA8TJK) 59,079- 320- 141-ABCD KF6M (+ KB6OW, N8FU, WA8VJF) 37,152- 308- 96-ABCD WB6ZCV (+ N8GEL)
Kansas	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF) K5UR 20,923- 222- 61-ABCD WB6DTA 8,142- 128- 46-ABCD WB4AYE 4,681- 123- 31-ABC NE6JG 477- 53- 9-B	WB6WLE (+ N6FF)	KC6ZR 544- 34- 16-B WB6DRL (+ N8DU, WA8TJK) 59,079- 320- 141-ABCD KF6M (+ KB6OW, N8FU, WA8VJF) 37,152- 308- 96-ABCD WB6ZCV (+ N8GEL)
Checklogs	N2BUL, KF4KI/2, WZ4K, KB7Q, WBZU, K4KUY				