

Results, 31st ARRL VHF Sweepstakes

VHF SS starts its fourth decade, but it's not just getting older, it's getting better.

By Bill Jennings,* K1WJ

The 31st annual ARRL VHF Sweepstakes, January 21-22, 1978, was a blend of surprises and predictability. What with the new scoring system, which rewards contest operation above 148 MHz with a substantial increase in the points per QSO ratio, it seemed likely that increased uhf activity would be the stimulus for greatly increased scores and the downfall of all-time division records by the score. Not so. Variable propagation characteristics and the ravages of "mean old Mr. Murphy" do take their toll.

Eight new all-time division records now stand in the wake of the latest, and largest since 1972 with 838 entries (an increase of 96 entries over the 1977 totals), running of the VHF SS. Four of these new records are those of single operators and four are in the multiop category. Some real "oldies but goodies" in the record department have been bettered in 1978. The single operators were lead by N6NB, who more than doubled, in total points, his own

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1970 record in the Southwestern Division. WA4LJQ added 6k points to the 1976 WA4GPM record and now leads all single operators in the Roanoke Division. W7YOZ now owns the score to beat in the Northwestern Division. And K5CM holds the record for gunning down the oldest division record, broken in 1978, by laying to rest the 18-year-old "granddaddy," set by K5KTR in the West Gulf Division.

The multioperator stations fared at least as well. The K9HMB group toppled the 10-year-old mark in the Central Division. The gang at W4VO, in the Southeastern Division, went out and not only doubled their own one-year-old record, but added an extra 2.5k points for good measure. The W3KKN and K8III operators came on to best their own previous efforts in the Atlantic and Great Lakes Divisions, respectively.

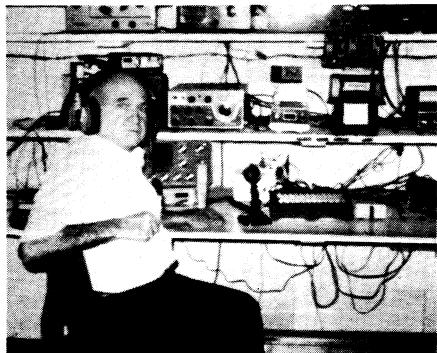
Top Ten

The average operator in the single-operator top-ten listings, aside from

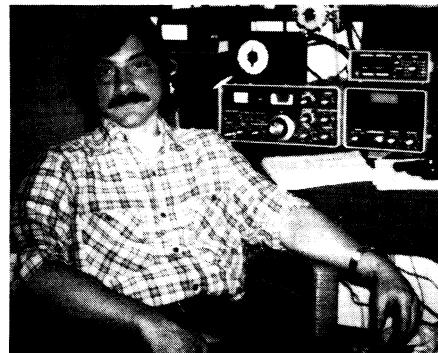
posting an average score increase of 6000 points over his 1977 counterpart, is from the third U.S. call area, the Eastern Pennsylvania Section to be precise (seven of the 1978 top ten are); had made the single-operator top-ten listing in the 1977 VHF SS (five stations, those holding 1978 positions one, two, three, four and six, held top-ten positions in 1977); and is a member of the Mt. Airy VHF Radio Club (eight of the 1978 top ten are members, only those stations holding positions nos. five and nine are not members).

The "average" station in the top ten for multioperator stations is slightly harder to categorize. The average 1978 top-ten multiop station scored 4k points more than the average 1977 top tennet. The second U.S. call area has four representatives to the top ten, three of those being from the Northern New Jersey Section. Four of those listed (those holding positions one, five, seven and nine) in this year's top ten are "repeaters" from the 1977 listing. And there is no predominate club affiliation.

Maryland-DC Section's W3MSN put his station on 50, 144 and 220 MHz for the 1978 VHF SS.



2 meters and 70 cm were the sole stomping grounds of Dick, WB3EFM, who placed second among the single operators in the Maryland-DC Section.



154 QSOs in seven sections on 50 and 144 MHz, netted Willard, WB9PXW, third place in the Indiana Section.



Affiliated Club Scores

Club	Score	Entries	Winner
Mt. Airy VHF Radio Club (Packrats)	755,538	65	W3HQT
Rochester (NY) VHF Group	694,176	215	W2CNS
South Jersey Radio Association	164,080	36	W2BV
Potomac Area VHF Society	124,396	12	WA4LJQ
West Jersey Radio Association	69,650	20	WA2DPU
III-Wind Contesters	68,344	3	
Gloucester County Amateur Radio Club	57,204	20	N2CQ
Mobile Sixers Radio Club	42,418	18	W3ETB
Six Meter Club of Chicago	33,898	14	WA9FIH
Northern California Contest Club	26,544	7	K6KLY
Dutchess County VHF Society	24,914	3	W2AWX
M.I.T. Radio Society	22,802	3	WA4TTG/1
Tri-State Amateur Radio Association	19,518	5	WA1LUJ
Mitre-Bedford Amateur Radio Club	18,428	12	W1JR
Hampden County Amateur Radio Association	17,358	13	W1KK
Central Michigan Amateur Radio Club	16,388	8	WA8ABN
Muskogee Amateur Radio Club	16,020	3	K5CM
RCA Amateur Radio Club	15,914	5	WB8CEP
Northern Virginia FM Association	14,426	4	WB4EYP
Montgomery Amateur Radio Club	11,508	4	WB3CHS
Pentagon Amateur Radio Club	9,436	5	WA4NTP
Lake Success Radio Club	6,828	4	WB2GVD
York Radio Club	5,496	3	WA9RIJ
Northrop Radio Club	4,812	4	W6CN
Rochester (MN) Amateur Radio Club	4,756	10	W9VB
Mt. Tom Repeater Association	4,080	3	W1JP



K8BI, one of the eight operators at WA8PLZ.

tion (although the Ill-Wind Contesters and the Mt. Airy VHF Radio Club both have two member stations in the top ten, the remaining six being from other clubs or nonaffiliated).

Club Competition

Although according to the Chinese calendar, this is the year of the horse; as far as the VHF SS is concerned, as it has been so many times in the past, this is the year of the rat — the Packrat, naturally. The Mt. Airy VHF Radio Club, lead by W3HQT, the number one single operator, is again the number one club in the VHF SS club competition. The Packrats, fielding five fewer entries this year than in 1977, posted a 130k aggregate-point increase to lead the field of 26 participating affiliated clubs. The Packrats' clubhouse has got to look like "gavel city" by now.

Don't look now, Packrats, but that hot breath on your necks is coming from the 215 members of the Rochester (NY) VHF Group. Rochester, in second place by nearly 200k points in 1977, rallied their forces for an additional 68 entries and pulled to within 60k points of the first place Packrats. The 1979 VHF SS club

competition should be verrry interesting.

The South Jersey Radio Association and the Potomac Area VHF Society round out the list of the top four clubs, which by the way, are all holders of the same respective positions in the 1977 VHF SS, and are all the clubs with aggregate scores of 100k or more points.

Administrative Stuff

The uhf incentive scoring system met with general approval, as much so as the consecutive serial number (chronological, not by band) met with general opposition. Be sure to carefully read the rules for the 1979 VHF SS as rule changes and refinements are anticipated.

If vhf contesting is for you, and you're especially taken with operating the bands at 220 MHz and above, then the new ARRL UHF Contest is just what the doctor ordered. Date? August 5-6. Details? Elsewhere in this issue. Good luck.

In the preparation of this report, we're happy to acknowledge a little help from our friends Tom, K1KI and Arlene.

Soapbox

The additional points for the higher

vhf/uhf bands are long overdue and should be extended to the June and September contests. (W7TYR) Believe there should be a multiplier for climbing the tower in the blizzard to reorient the beams. (K2LZF) We would like to go on record as opposing the use of fm simplex above 146 MHz for contest purposes. The purpose of vhf contests is to broaden the horizons of vhf operation, *not* just work everybody and his brother within 30 miles. (N4SM, N4YN and WD4AQH) Scatter conditions were very poor — bursts were very short and few in number. (WA8OGS) What is the big deal about a single frequency? My opinion on .52 is all or none. (WB7DZD) Bet I was the only one to work a "snowmobile-mobile" station. (W1AIM) I heard some tantalizing bursts, but the band was pretty quiet and disappointing this January. (WB3DDA) I do not like the sequential exchange, *period*. (WA8ZCO) I vote to repeal the limited .52 rule, and just say no contest operation on repeater frequencies. (K2OEQ) Big effort ended up big flop. (WA1RWU) I feel I would have enjoyed it even more if the contest were held during the minor sporadic-E season, either near

QSOs per Band/Antenna Configuration for Top Six Scores.

Band →						
Call	50 MHz	144 MHz	220 MHz	432 MHz	1296 MHz	10 GHz
<i>Single Op</i>						
W3HQT	213/11-el. Yagi	227/14-el. Yagi	58/15-el. Yagi	32/52 el.	6/4-ft dish	
WA3AXV	183/6-el. Yagi	252/12-el. Yagi	69/10-dB stick	45/32-el Slott		
K3MWV	158/4-el. Yagi	304/14-el. Yagi	73/5-el. Yagi	29/18-el. Quagi		
<i>Multipop</i>						
K8III	331/11-el. Yagi	410/32-el.				
WA2VUN	291/11-el. Yagi	331/16-el. Yagi	99/Vertical	24/27-el. Yagi	4/S.I./LY	8
K2XR	348/6-el. Yagi	450/14-el. Yagi				

Top Ten

Single Operator Call	Score	Multioperator Call	Score
W3HQT	50,232	K8III	68,172
WA3AXV	45,084	WA2VUN	56,880
K3MWV	42,624	K2XR	55,860
W3ZD	35,278	K9HMB	45,312
K1FO	32,576	W3KKN	43,860
W3HMU	30,380	K3DUA	30,360
W2EIF	30,000	WA2SNA	26,514
K3IUV	29,970	K9HDE	22,724
N6NB	25,200	W2PAU	22,330
WA3JUF	25,140	WA3FOF	22,126

Division Leaders

Single Op	Division	Multiop
W3HQT	Atlantic	W3KKN
WB9CEP	Central	K9HMB
WB0HHM	Dakota	WB0BDI/0
WB4JGG	Delta	WA4LDU
WB8IGY	Great Lakes	K8III
WB2BUR	Hudson	WA2VUN
WB2UFQ	Midwest	K0TLM
K1FO	New England	W1FMF
W7YOZ	Northwestern	K7ND
K6KLY	Pacific	W6YKM
WA4LJQ	Roanoke	W4BFB/4
WB5AOX	Rocky Mountain	WB0WYZ
N4QH	Southeastern	W4VO
N6NB	Southwestern	K6MEP
K5CM	West Gulf	N5EX/5
VE3BQN	Canadian	VE3AEA/3

All-Time Division Leaders

Single Operator			Multioperator		
Call	Score	Year	Division	Call	Score
W3MFY	52,910	68	Atlantic	W3KKN	43,860
K9HMB	20,746	73	Central	K9HMB	45,312
WA0CSL	8,190	76	Dakota	WB0PIV	3,640
WB4JGG	11,270	77	Delta	WB4HEL/4	8,880
K8LEE	41,080	76	Great Lakes	K8III	68,172
WB2WIK	54,132	77	Hudson	K2OWR	65,562
K9ECV/0	12,690	68	Midwest	K0VUY	14,196
WA1NGR	33,110	76	New England	W1FMF	46,440
W7YOZ	8,126	78	Northwestern	K7BBO/7	5,642
WA6JUD/6	23,868	76	Pacific	WA6BMV	24,814
WA4LJQ	21,692	78	Roanoke	W4BFB/4	21,880
K7UFQ	5,320	68	Rocky Mountain	WA0PHZ/0	8,062
W4GDS	26,400	73	Southeastern	W4VO	18,966
N6NB	25,200	78	Southwestern	W6FNE/6	20,352
K5CM	14,100	78	West Gulf	K5STI	12,804
VE3ZZZ	12,896	72	Canadian	VE3ASO	7,800

the end of December or early January. (WB1FAE) Increased activity on 432 was a big plus. (W3XO) I like the new scoring for 200 MHz and up. Heard the most activity on uhf this January SS than any other year I've been active. (K2CBA) Midwinter mountaintop operation is certainly no picnic. I would like to see the contest started at the same GMT throughout the country. (K1LPS) New point rules are great. They finally rewarded adequate points for the time and effort required per uhf QSO. (W1JR) Your new log sheets are bogus. (K1FO) Almost nobody bothered with the higher bands out here before. (N6NB) How about extra points for working SSTV? (WB2BUR) I sure wish sections could count more than once per contest; i.e., be able to count on different bands. (K1FJM/4) Forty minutes before the contest started 2s and 3s were coming in very good. Nothing heard once it started. (WB5JAR) High activity on 1296, over 15 stations on the air, due to efforts of N6TX. (K6KLY) Wish they (FCC) would give Techs the full 2-meter band! (K2OVS) [They did! — Ed.] I found that conditions on the relatively long paths (400 miles or so) on 2 meters were quite good, with many signals heard consistently through the weekend. (VE3FN) A fair amount of QRM, but that's OK because it

was caused by lots of activity . . . very little frequency hogging on the popular contest frequencies. (WB2CUT) No special openings were noted and several sections, which are usually heard were absent. During the entire contest period, it was even very difficult to work many stations on scatter, as the bursts were very few and far apart. (WB8RNY/W8MRM) Neither snow nor sleet nor wind nor freezing cold could keep us from the VHF SS. (K4ROM) Sure could use some more stations on 432. (WA5WCP) It is much easier to find 432 contacts than 220 contacts around Detroit! (WA8EUU) I think that the new rules for the VHF SS are a step in the right direction. One additional change would go a long way in equalizing things for those who operate above 50 MHz, as the ability to gain additional section multipliers on 6 meters, due to sporadic-E band openings is certainly a factor. Allowing a multiplier of only X1 for all contacts on 50 MHz would help to even things out. (K8DIO) Nice to hear all the activity (QRM, splatter, crossmode, etc.) on 144 this year. Fm sure made a difference in the scores. (VE3DSS) Activity was far above that of last year, although 432 fell short of our expectations. We had 220-MHz capabilities, but only had two takers . . . Looking forward to June when we hope to have a new 2-meter array.

(WB4AEG/W4VO) Glad to report five sections worked during the contest. I've worked them all previously, but was surprised that they actually came through for the contest . . . Have to report that both vertical and horizontal polarization are needed for contesting here in the less populated areas. Sideband activity has really mushroomed here in New Mexico lately. Last year only worked two or three stations on ssb, this year worked 20 ssb stations. I'm still not happy with your restrictions on .52 contesting . . . We have practically no tropo here in the dry, high mountainous west. We sit by the hour, night after night, tickled to death if we can work one or two stations out to around 300 miles. Although it's usually working locals and listening to the hiss. Then in a contest, we are restricted as to how long we can work .52. Why not impose restrictions on those in areas where problems occur, rather than on everyone? (WB5AOX)

Feedback

The score of W1JP was omitted from the listings of the 1977 VHF SS on page 91 of August 1977 *QST*. The listing should read W1JP 3400-100-7-AB. This would put W1JP in third place among the single operators in the Western Massachusetts Section.

The number three single operator from the Southern New Jersey Section, Bill, WA2DPU, divided his 360 QSOs between 6, 2 and 1-1/4 meters.





Gene, WØGL, the 144-MHz operator at KØTLM.

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).

U.S.A.		2	Western New York												Eastern Pennsylvania											
1	Connecticut	Eastern New York												KLD,ops)												
K1FO	32,576-450-22-ABCD	W2AWX	12,824-201-18-ABCD	W2TDN	288- 12- 2-B	WA2EKF	2222-101-1-B	WA2EGL	5040- 90-18-AB																	
K1DH	19,320-276-25-AB	WB2YQU	8432-130-21-BC	WA2VKG	220- 10- 1-B	WB2NQZ	2028- 69- 6-A	WB2B25	(WB2s) CNM JYH,ops)																	
N1ID	8216-149-16-BC	K2SHB	7540-123-19-ABD	WB2HOB	110- 5- 1-B	WA2GMZ	2200-100-1-B	WB2B25	3212-146- 1-AB																	
WA1LUU(WA1HYJ,ops)	18,854-150-15-BC	L2WLW	4550- 91-15-B	WB2FBL	18- 2- 2-B	WB2DP	2200-100-1-B	WB2B25	(WB2s) IZ,I,MDO																	
K1EM	6348-138-13-AB	K2GSF	2544- 64-13-B	WB2PAU(+WB2EXS)	22,330-382-19-ABC	WB2UTI	2200-100-1-B	WB2B25	12-107- 3-B																	
K1VSC	6240-130-14-AB	WB2NPR	2880- 60-14-B	K2NE(+WB2AN)	21,300-349-15-ABCD	W2LE	2200-100-1-B	WB2B25	WB2LRY/WA2BTA																	
WA1ZNT	4746-113-11-AB	WB2EHE	2088- 58- 8-B	WB2CUD(+WA2DEC,WB2HF)	22,330-382-19-ABC	WA2ELC	2184- 91- 2-B	WB2B25	1944- 81- 2-AB																	
K1ZKR	4664-106-12-A	WA2ANZ	1224- 33- 8-B	WB2LC2(+N2H,WB2AW)	21,300-349-15-ABCD	WB2MD0	2090- 95- 1-B	WB2B25	3																	
WI1WHL	4550- 91-15-AB	W2IP1	836- 22- 9-B	WB2NGN	18,846-318-17-ABCD	WB2QVH	2090- 95- 1-B	WB2B25	Delaware																	
WA1AVV	6588- 61-11-AB	WB2SGN(+WA2BYP,DNE)	18,846-318-17-ABCD	TRJ VSL	13,120-328-10-AB	KA0NA	2028- 95- 1-B	WA3QPK	9912-177-18-AB																	
WB9VVA/1	2600- 63-10-BD	K2CBA(+WB2BYP DNE)	15,488-206-22-ABCD	WB2LCC(+N2H,WB2AW)	20,720-370-18-AB	KA0RFA	2028- 95- 1-B	WB2DP	4450- 91-15-AB																	
WA1CVN	2142- 51-11-AB	WB2ROV	3400-100- 7-B	WB2LZC(+N2H,WB2AW)	20,720-363-16-ABCDE	KA0JLI	2028- 92- 2-B	K3JU	2484- 69- 6-A																	
K1YON	1862- 49- 9-AB	WB2DZD	2262- 75- 4-BC	WB2AZC(+N2H,WB2AW)	20,720-363-16-ABCDE	KA0IVI	1992- 83- 2-B	W3CGV	1524- 46- 6-ABD																	
W1RM	1548- 43- 8-B	K2AOV	13,560-225-20-AB	WB2AZN	14,160-295-14-AB	WB2JUT	1944- 80- 2-B	WB2B25	New York City-Lone Island																	
WA1GTP	1512- 36-10-AB	WB2SLY	9480-158-20-B	K2AN	15,572-260-16-ABD	WB2JRV	1920- 80- 2-B	WB2B25	WB3AXV																	
WA1WDR/1	1480- 26- 5-ABD	K2LIO	7680-128-20-	WB2EKN	8800-200-12-AB	WB2WXXQ(N2IG opr)	1920- 80- 2-B	WB2B25	WB3MWF																	
K1RT	840- 28- 4-BC	WB2TNE	132- 5- 1-BC	WB2VVG	8280-230- 8-B	WB2ZQN/2	1848- 77- 2-B	WB2B25	42,624-564-22-ABCD																	
N1CC	390- 15- 3-B	WB2QAN	88- 4- 1-A	WB2VIB	8000-250- 5-B	WB2VW	1826- 83- 1-B	WB2B25	35,278-498-21-ABCD																	
K1RO/M1	176- 4- 1-C	WB2GVD	4160- 80-16-AB	WB2FER	8000-250- 5-B	WB2VY	1826- 83- 1-B	WB2B25	30,380-361-21-ABCD																	
Eastern Massachusetts	Northern New Jersey												K3JU(JF, WB2B25)													
W1JR	12,792-194-16-ABCDE	WB2TNE	310- 12- 3-B	WB2WCE	6336-264- 2-B	WB2UTQ	1728- 72- 2-B	WB2B25	WB2B25																	
WA1PMB	7488-144-16-ABCD	WB2TNE	132- 5- 1-BC	WB2JFL	10,152-282- 8-B	WB2WCC	1716- 78- 1-B	WB2B25	WB2B25																	
WA5I0D/1	6636-136-11-ABCD	WB2QAN	88- 4- 1-A	WB2KMP	6288-262- 2-B	WB2WGR	1716- 78- 1-B	WB2B25	WB2B25																	
WB2FAE	4850-117-15-AB	WB2YJF/2(+WA2UF2U)	11,704-181-18-ABD	WB2QDS	6000-250- 5-B	WB2ZGN/2	1826- 83- 1-B	WB2B25	WB2B25																	
WICRU	4520-103-10-ABD	WB2EFL	4160- 80-16-AB	WB2KUR	5678-167- 7-B	WB2ZMV	1680- 70- 2-B	WB2B25	WB2B25																	
W1GXT	4326- 78-11-BCD	WB2ELB	5610-163- 4-AB	WB2LZF	5512-100-16-ABCD	K2YMM	1672- 76- 1-AB	WB2B25	WB2B25																	
WB2WU	374- 17- 1-BB	WB2QAU	4800-200- 2-B	WB2YK	5140-183- 5-AB	WB2VY	1672- 76- 1-AB	WB2B25	WB2B25																	
K1CHY	2088- 52- 8-ABCD	WB2QKX	5490-183- 5-AB	WB2VTK	4800-200- 2-B	WB2VY	1672- 76- 1-AB	WB2B25	WB2B25																	
WB1CUS	1612- 62- 3-BB	WB2WBR	15,892-249-19-ABD	WB2VTC	4800-200- 2-B	WB2VY	1672- 76- 1-AB	WB2B25	WB2B25																	
G3BYW/W1	1000- 37- 4-ABDE	WB2WBT	11,500-225-20-AB	WB2UAD	5160-172-15-AB	WB2VZS	1672- 76- 1-AB	WB2B25	WB2B25																	
K1RKF	1000- 37- 4-ABDE	WB2DHC	3400-100- 7-B	WB3EXR/2	5088-212- 2-B	WB2VRH	1688- 62- 2-B	WB2B25	WB2B25																	
W1DU	736- 23- 6-AB	WB2LTP	2850- 75- 9-AB	WB2LLS	5088-212- 2-B	K2MG	1440- 60- 2-B	WB2B25	WB2B25																	
W1JOT	728- 19- 3-BD	WB2NCF	2822- 83- 7-B	K2YA	5064-211- 2-B	WB2HZ	1430- 65- 1-B	WB2B25	WB2B25																	
W1UI	624- 24- 3-B	WB2MAI	2520- 60-11-AB	WB2EFB	5044-193- 3-B	K2XOT	1386- 63- 1-B	WB2B25	WB2B25																	
WB1FOD	440- 22- 1-AB	WB2FAF	144- 6- 2-A	WB2EFL	4800-200- 2-B	WB2XJH	1386- 63- 1-B	WB2B25	WB2B25																	
WB1FM	416- 16- 3-B	WB2WV(K2s KJ1 RYJ, WA2RIU)	WB2QAU	4800-200- 2-B	WB2YK	1386- 63- 1-B	WB2B25	WB2B25																		
WB1MU	374- 17- 1-BB	WB2WYJ,opr)	WB2YTK	4800-200- 2-B	WB2VQ	1386- 63- 1-B	WB2B25	WB2B25																		
WB1WZ	20,888-332-18-ABCD	WB2WYJ	56,880-757-20-ABCD	WB2VTC	4800-200- 2-B	WB2VY	1386- 63- 1-B	WB2B25	WB2B25																	
WB1WZ(W1R1X,WA2EYC)	WB2WYJ,opr)	WB2WYJ	55,860-798-25-AB	K2XZR	4776-199- 2-B	WB2VY	1386- 63- 1-B	WB2B25	WB2B25																	
WB2CWQ,WB1P1	20,888-332-18-ABCD	WB2WYJ	55,860-798-25-AB	WB2VY	4752- 94- 14-ABD	K2INV	1230- 41- 5-A	WB3NUF	9912-177-18-AB																	
WB1M1J/(K1EIA)	1372- 47- 4-BC	WB2WYJ	55,860-798-25-AB	WB2VY	4752- 94- 14-ABD	WB2B25	1230- 41- 5-A	WB3NUF	WB3NUF																	
Maine	Southern New Jersey												K3Q(W1, WB2B25)													
K1TOL	7854-119-23-A	WB2E1F	30,000-365-20-ABCDE	WB2EKT	4224-176- 2-B	WB2K2DL/2	1034- 95- 1-B	WB3NUF	50,232-536-29-ABCD																	
WA1OUB	22,570-305-27-AB	WB1NGR/2	23,628-330-23-ABD	WB2WHL	4224-176- 2-B	WB2K2L	1034- 95- 1-B	WB3NUF	50,232-536-29-ABCD																	
WIE1	5000-107-1-ABCD	WB2DZL	21,224-360-18-AB	WB2WYH	4172-149- 4-AB	WB4MTP/2	946- 43- 1-AB	WB3NUF	50,232-536-29-ABCD																	
WB1DC	5000-107-1-ABCD	WB2WYJ	18,964-370-12-ABC	WB2VJG	4172-149- 4-AB	WB2KS/V2	946- 43- 1-AB	WB3NUF	50,232-536-29-ABCD																	
W1JSM	4900- 98-15-B	WB2VY	18,538-225-21-BC	WB2VJL	4172-149- 4-AB	WB2FHS	930- 31- 5-B	WB3NUF	50,232-536-29-ABCD																	
WA1MGC	4250- 85-15-A	WB2RF	15,180-215-16-AB	WB2ZFS	4056-169- 2-AB	WB2DLW	902- 41- 1-B	WB3NUF	50,232-536-29-ABCD																	
K1UL1	22- 21- 1-B	N2RF	11,180-215-16-AB	WB2MCP	4048-184- 1-AB	WB2BLW	902- 41- 1-B	WB3NUF	50,232-536-29-ABCD																	
W1FMP/(K1s LL QW1Q,WB1QX, WB1FSZ)	22,214-349-19-ABCD	WB2WYJ	11,180-215-16-AB	K2NC	4008-167- 2-B	WB2BLW	902- 41- 1-B	WB3NUF	50,232-536-29-ABCD																	
Rhode Island	Rhode Island												WB2B25													
WA1PBR	5650-106-15-ABC	WB2OMY	6804-162-11-AB	WB2ZEM	4224-175- 2-B	WB2EJV	1100- 50- 1-B	WB2B25	WB2B25																	
K1CIM	2992- 65-12-AB	WB2WMA	6528-192- 7-B	WB2ZLM	4224-176- 2-B	WB2EWU	1100- 50- 1-B	WB2B25	WB2B25																	
WICOW	2992- 65-12-AB	WB2YSW	6258-149-11-AB	K2BLX	3800-167- 2-B	WB2B25	1100- 50- 1-B	WB2B25	WB2B25																	
WA2JHR/1(+WB4RVA)	4956-106-11-ABCD	WB2WYJ	12,544-215-18-AB	K2UXF	3600-150- 2-B	WB2B25	1100- 50- 1-B	WB2B25	WB2B25																	
Vermont	Western Massachusetts												WB2B25													
K1LPS	4700- 93-15-ABD	WB2BZY	4420-170- 3-AB	WB2ZPE	3600-120- 5-B	WB2B25	1094- 45- 1-B	WB3NUF	45,240-306-15-ABCD																	
W1AIM	3692- 68-16-ABD	WB2BZY	4320-150- 3-B	WB2VPH	3572-149- 2-B	WB2B25	1094- 45- 1-B	WB3NUF	45,240-306-15-ABCD																	
K1GYT	396- 22- 9-AB	WB2BZP	4082-157- 3-B	WB2VPH	3572-149- 2-B	WB2B25	1094- 45- 1-B	WB3NUF	45,240-306-15-ABCD																	
K1LJL	390- 13- 5-B	WB2QPN	4080-150- 6-AB	WB2VPH	3572-149- 2-B	WB2B25	1094- 45- 1-B	WB3NUF	45,240-306-15-ABCD																	
K1RPB/(W1JP,WB1QX, WB1FSZ)	1050- 35- 5-B	WB2QPN	4080-150- 6-AB	WB2VPH	3572-149- 2-B	WB2B25	1094- 45- 1-B	WB3NUF	45,240-306-15-ABCD																	
Western Massachusetts	Western Massachusetts												WB2B25													
K1WGN	9100-173-15-ABD	WB2ZMS	2262- 87- 3-AB	WB2ZMS	3360-140- 2-B	WB2B25	1094- 45- 1-B	WB3NUF	45,240-306-15-ABCD																	
WB1CSB	2565- 58-11-ABD	WB2ZMS	2262- 87- 3-AB	WB2ZMS	3360-140- 2-B	WB2B25	1094- 45- 1-B	WB3NUF	45,240-306-15-ABCD																	
WA1UOL	2176- 67- 9-ABD	WB2SPJ	2176- 68- 6-AB	WB2ZMS	3360-140- 2-B	WB2B25	1094- 45- 1-B	WB3NUF	45,240-306-15-ABCD																	
WIKK	2176- 67- 9-ABD	WB2FJE	2080- 80- 3-B	WB2ZPL	3300-100- 5-AB	WB2B25	1094- 45- 1-B	WB3NUF	45,240-306-15-ABCD																	
WB1CAD	1824- 57- 6-AB	WB2IMU	1890- 76- 3-AB	WB2GHQ	2992-136- 1-B	WB2B25	1094- 45- 1-B	WB3NUF	45,240-306-15-ABCD																	
K1SY1	1596- 38-11-AB	WB2EKB	1898- 73- 3-AB	K2JA	2976-124- 2-B	WB2B25	1094- 45- 1-B	WB3NUF	45,240-306-15-ABCD																	
W1AUUJ	1440- 39- 9-AB	WB2WJZ	1820- 70- 3-AB	K2ZCU	2976-124- 2-B	WB2B25	1094- 45- 1-B	WB3NUF	45,240-306-15-ABCD																	
WB1UWU	1440- 39- 9-AB	WB2FZB	1638- 63- 3-AB	WB2VPT	2904-121- 2-B	WB2KDR	88- 4- 1-B	WB3NUF	45,240-306-15-ABCD																	
W1JP	1428- 51- 4-AB	K2QJQ	1612- 62- 3-AB	N2TC	2838-129- 1-B	WB2VY	1200- 10- 1-B	WB3NUF	45,240-306-15-ABCD																	
WB1ABF	1428- 51- 4-AB	WB2EWN	1392- 58- 2-B	WB2XG	2838-118- 2-B	WB2VY	1200- 10- 1-B	WB3NUF	45,240-306-15-ABCD																	
WINLE	1352- 52- 3-B	WB2VYJ	1352- 52- 3-B	WB2XG	2838-118- 2-B	WB2VY	1200- 10- 1-B	WB3NUF	45,240-306-15-ABCD																	
W1CJX	1224- 36- 6-AB	WB2FFU	1280- 32- 6-AB	WB2VY	2763-114- 2-B	WB2VY	1200- 10- 1-B	WB3NUF	45,240-306-15-ABCD																	
WA1YJN	1102- 29- 9-AB	WB2UVB	1272- 53- 2-B	WB2ZFM	2664-111- 2-B	WB2VY	1200- 10- 1-B	WB3NUF	45,240-306-15-ABCD																	
WB1PBD	980- 35- 4-B	WB2RVRX	1128- 47- 2-B	WA2JSA	2662-121- 1-B	WB2VY	1200- 10- 1-B	WB3NUF	45,240-306-15-ABCD																	
WB1FCB,ops)	550- 34- 4-B	WB2ZMVG	1056- 44- 2-AB	WB2ZHV	2660- 95- 4-B	WB2VY	1200- 10- 1-B	WB3NUF	45,240-306-15-ABCD																	
WA1PGT	468- 18- 3-B	WB2OCR	960- 44- 2-AB	WB2VY	2662-101- 2-B	WB2VY	1200- 10- 1-B	WB3NUF	45,240-306-15-ABCD																	
K1JGJ	432- 12- 8-B	WB2WV/2	904- 44- 2-AB	WB2WV	2664-101- 2-B	WB2VY	1200- 10- 1-B	WB3NUF	45,240-306-15-ABCD																	
WB2ARW	360- 15- 2-B	WB2AVU	816- 31- 2-B	WB2WV	2664-101- 2-B	WB2VY	1200- 10- 1-B	WB3NUF	45,240-306-15-ABCD																	
WB1EHS	312- 13- 2-B	WB2SEW	806- 31- 3-AB	WB2ECK	2448-102- 2-A	WB2VY	1200- 10- 1-B	WB3NUF	45,240-306-15-ABCD																	
K1ZSN	168- 6- 4-AB	WB2																								



Tom, WB8NZM, of WA8PLZ, OH.



WD6CGF (left) and WD6DRI at WB6TAM.



In case the warm summer sun has helped us to forget, that white stuff on the trees and on the ground is snow; lots of snow, as seen through the camera of K1LPS, VT.



This year's SS found the K6MEP crew atop Pine Mountain (elevation 6700) in southern California, from which they turned in the number one multiop score in the Southwestern Division.

WA3YBL(+WA3JSR) 840- 35- 2-AB	Tennessee WB4JGG 6750-120-17-ABD W9RIB/4 468- 18- 3-B WA4LDU(+WA4KJH) 5440-129-10-ABDE	WB6MFN PA9ZN/W6 2268- 63- 8-B 1176- 33- 4-BD	DQR JPX KMU, oprs) N8HT(+WD8CQH) 1512- 54- 4-B	W9WI N9ID 1036- 37- 4-B WB9ROE 918- 27- 7-B 336- 14- 2-AB
Maryland-D.C.				
W3XO 12,064-201-16-ABD WB3EFM 9272-219- 9-BD W3Y 840- 35- 1-ABCD WA3OYW 8170-184- 9-ABCD WA3LUSC 6084-117-16-B W3HQX 5896-134-12-B WB3CHS 5754-137-11-B K3AKR 5358-139- 9-ABD W3V 468- 18- 1-ABD WUJUG 3808- 86- 7-BCD W4NVW/3 3712-105- 6-ABC W3OZ 3528- 56-11-BCD WA3EQQ 3080- 74-10-BC W3EAX(N1QQ, oprs) WB4MFJ 3358-133- 3-AB W4MHQ 2828- 84- 4-ABD W3MSN 2898- 84- 4-ABCD WB3DAJ 898- 73- 3-AB WB3JUF 1404- 54- 3-AB W3TFA 1104- 34-12-ABCD W3EXP 144- 6- 2-B K3DU(A(+WA3NZL) 30,360-426-20-ABCD W3PGKA(K3s, WA3WVX PHF PHH RQJ/N3LT W3s, VFD VRD, WA3s PHV HZI LAW OTZ QK8, WB3s BGS BIT, oprs) 13,680-261-14-ABCD K3IV0(N3FL, W3s DPU FG IP, WA3TID, WB3s BYG FBW ICL JVK, WB3CBX, oprs) 13,536-225-14-ABCD	WB4LJQ 21,692-336-19-ABCD K2UOP/4 13,202-37-15-ABCD WA4AGM 10,230-14- 3-ABCD WA4PSJ 8106-172-11-ABCD WA4JP 7084-161-12-B WB4EP 538- 35- 9-B K4TUB 5828-102- 3-ABCD W4NFR 4664-106-12-B WD4MUO 4160-104-10-B K4EVH 3900-113- 5-BC WB4MFJ 3358-133- 3-AB W4MHQ 2828- 84- 4-ABD WB4LJQ 2268- 83- 10-B K4TFO 2680- 83- 10-B WA4RNS 1008- 36- 4-B WA4NTP 910- 35- 3-B N4VA 432- 18- 2-B WB4XB 312- 12- 3-B WB4BPL/4 240- 10- 2-B K4TJW 216- 18- 2-B WB4DJK 132- 18- 1-B K4AF(WA1MEO, WB3DN, L WA4NTP RCS, oprs) 7938-189-11-AB N4HB(+W4XU, WA4BBY KNP ZHS) 5040-120-11-AB K4FJW(+WB4BPL) 2304- 64- 8-AB WD4MW(WA4OFW, WB4BS, HDL HDN, oprs) 1296- 54- 2-AB	N6NB 25,200-444-11-ABCD W6OAL 690- 20- 5-ABC K6MEP(K6VMN, N6MA, WA6s DJS IJZ UED, WB6DU2, oprs) 11,362-247- 9-ABCD	WB8IGY 16,566-249-13-ABD WB8OGS 15,190-217-25-AB WA8TJL 8000-155-15-ABD K8DIO 6556-136-12-ABD WB8GOH 8250-118-13-ABD WA8ZHE 5016-124- 9-ABD K8DW 3950-109- 8-ABD K8WW 3950-109- 8-ABD K8TAH 31,000-108- 5-ABD WD8IAW 2158- 83- 3-ABD K8EF 1472- 46- 6-AB N8TM 1036- 37- 4-AB K8CKY 690- 23- 5-AB K8I11(+K8MP, WB8RCN) 6828-127-16-AB	W9WI N9ID 1036- 37- 4-B WB9ROE 918- 27- 7-B 336- 14- 2-AB
WB8DAJ 1404- 54- 3-AB W3TFA 1104- 34-12-ABCD W3EXP 144- 6- 2-B K3DU(A(+WA3NZL) 30,360-426-20-ABCD W3PGKA(K3s, WA3WVX PHF PHH RQJ/N3LT W3s, VFD VRD, WA3s PHV HZI LAW OTZ QK8, WB3s BGS BIT, oprs) 13,680-261-14-ABCD K3IV0(N3FL, W3s DPU FG IP, WA3TID, WB3s BYG FBW ICL JVK, WB3CBX, oprs) 13,536-225-14-ABCD	Virginia WB4LJQ 21,692-336-19-ABCD WA4RNS 1008- 36- 4-B WA4NTP 910- 35- 3-B N4VA 432- 18- 2-B WB6NMFT 13,860-240-11-ABCD WB6FTW/6 3616-113- 6-B K9GJU/6 22- 1- 1-B	Santa Clara Valley WB6NMT 13,860-240-11-ABCD WB6FTW/6 3616-113- 6-B K9GJU/6 22- 1- 1-B	Ohio WB8PLZ(K8s, WB8ZL, DZU SVV ZAN, WB8NZM, WD8s EGO MSF, oprs) 13,400-268-15-AB WB8SMC(WB8s OPR QVF SVN VLU, oprs) 12,190-265-13-AB WB8PAT(+K8TV) WB8KZCZ(+K8AHK, WB8MEU, WD8s KRC KRE) 2988- 83- 8-B	Colorado K9ZJM 1210- 45- 1-BCDE WB8BPP 902- 41- 1-AB WB8VWZ(+W8LWM, K9TER, WB9MBZ, WB8s MHP NLA SDW TIC TLP TLQ, WD9DLV) 2626- 97- 3-ABD
WB8DAJ 1404- 54- 3-AB W3TFA 1104- 34-12-ABCD W3EXP 144- 6- 2-B K3DU(A(+WA3NZL) 30,360-426-20-ABCD W3PGKA(K3s, WA3WVX PHF PHH RQJ/N3LT W3s, VFD VRD, WA3s PHV HZI LAW OTZ QK8, WB3s BGS BIT, oprs) 13,680-261-14-ABCD K3IV0(N3FL, W3s DPU FG IP, WA3TID, WB3s BYG FBW ICL JVK, WB3CBX, oprs) 13,536-225-14-ABCD	WB4LJQ 21,692-336-19-ABCD WA4RNS 1008- 36- 4-B WA4NTP 910- 35- 3-B N4VA 432- 18- 2-B WB6NMT 13,860-240-11-ABCD WB6FTW/6 3616-113- 6-B K9GJU/6 22- 1- 1-B	San Diego WB6AMT(WB6s ASR FER RAL RHP VZY, oprs) 5728-179- 6-B WB6GLF(WB1ARR, WA6HJV, oprs) 572- 22- 3-B	San Francisco WB1ARR/6 442- 17- 3-B W6AMT(WB6s ASR FER RAL RHP VZY, oprs) 5728-179- 6-B WB6GLF(WB1ARR, WA6HJV, oprs) 572- 22- 3-B	Iowa WB8NZA 2646- 63-11-AB WB9SI 2220- 74- 5-AB WB9RAP 1972- 52- 7-AB K9EJZ 690- 23- 5-B
WB8DAJ 1404- 54- 3-AB W3TFA 1104- 34-12-ABCD W3EXP 144- 6- 2-B K3DU(A(+WA3NZL) 30,360-426-20-ABCD W3PGKA(K3s, WA3WVX PHF PHH RQJ/N3LT W3s, VFD VRD, WA3s PHV HZI LAW OTZ QK8, WB3s BGS BIT, oprs) 13,680-261-14-ABCD K3IV0(N3FL, W3s DPU FG IP, WA3TID, WB3s BYG FBW ICL JVK, WB3CBX, oprs) 13,536-225-14-ABCD	WB4LJQ 21,692-336-19-ABCD WA4RNS 1008- 36- 4-B WA4NTP 910- 35- 3-B N4VA 432- 18- 2-B WB6NMT 13,860-240-11-ABCD WB6FTW/6 3616-113- 6-B K9GJU/6 22- 1- 1-B	San Joaquin Valley WB6EXV 1224- 21- 7-BDGI WB6YKM(+WB6RFI) 13,772-281-12-ABCD	San Joaquin Valley WB6EXV 1224- 21- 7-BDGI WB6YKM(+WB6RFI) 13,772-281-12-ABCD	Kansas WB8QDK 1666- 49- 7-AB WB9RJR 1224- 36- 7-AB WB9QOA 1850- 30- 8-AB WB9RET(+WB9KW) 702- 54- 3-AB
WB8DAJ 1404- 54- 3-AB W3TFA 1104- 34-12-ABCD W3EXP 144- 6- 2-B K3DU(A(+WA3NZL) 30,360-426-20-ABCD W3PGKA(K3s, WA3WVX PHF PHH RQJ/N3LT W3s, VFD VRD, WA3s PHV HZI LAW OTZ QK8, WB3s BGS BIT, oprs) 13,680-261-14-ABCD K3IV0(N3FL, W3s DPU FG IP, WA3TID, WB3s BYG FBW ICL JVK, WB3CBX, oprs) 13,536-225-14-ABCD	WB4LJQ 21,692-336-19-ABCD WA4RNS 1008- 36- 4-B WA4NTP 910- 35- 3-B N4VA 432- 18- 2-B WB6NMT 13,860-240-11-ABCD WB6FTW/6 3616-113- 6-B K9GJU/6 22- 1- 1-B	San Joaquin Valley WB6EXV 1224- 21- 7-BDGI WB6YKM(+WB6RFI) 13,772-281-12-ABCD	San Joaquin Valley WB6EXV 1224- 21- 7-BDGI WB6YKM(+WB6RFI) 13,772-281-12-ABCD	Minnesota WB9RLI 2550- 75- 7-AB WB9VB 2108- 62- 7-AB K9SE 1624- 53- 4-ABD WB9YEE 418- 19- 1-B WB9GJU 364- 14- 2-AB WB9DQL 334- 14- 2-AB WB9ZBL 88- 26- 1-AB WB9ZBK 66- 3- 1-AB WB9GWY 44- 2- 1-AB WB9ONE/9 44- 2- 1-AB WB9BDI/9(WB8s NIU PTB, WB9ELS, oprs) 1064- 38- 4-B
WB8DAJ 1404- 54- 3-AB W3TFA 1104- 34-12-ABCD W3EXP 144- 6- 2-B K3DU(A(+WA3NZL) 30,360-426-20-ABCD W3PGKA(K3s, WA3WVX PHF PHH RQJ/N3LT W3s, VFD VRD, WA3s PHV HZI LAW OTZ QK8, WB3s BGS BIT, oprs) 13,680-261-14-ABCD K3IV0(N3FL, W3s DPU FG IP, WA3TID, WB3s BYG FBW ICL JVK, WB3CBX, oprs) 13,536-225-14-ABCD	WB4LJQ 21,692-336-19-ABCD WA4RNS 1008- 36- 4-B WA4NTP 910- 35- 3-B N4VA 432- 18- 2-B WB6NMT 13,860-240-11-ABCD WB6FTW/6 3616-113- 6-B K9GJU/6 22- 1- 1-B	San Joaquin Valley WB6EXV 1224- 21- 7-BDGI WB6YKM(+WB6RFI) 13,772-281-12-ABCD	San Joaquin Valley WB6EXV 1224- 21- 7-BDGI WB6YKM(+WB6RFI) 13,772-281-12-ABCD	Missouri WB8QFQ 4662-111-11-B WB9VH 4118- 98-11-B WB9PKN 2550- 75- 7-AB WB9RJR 2232- 62- 8-AB K9LCB 1260- 45- 4-AB WB9OGK 312- 11- 3-ABD K9TLM(+WB9GL, WB9s DRJ ITA) 5200-113-10-ABCD
WB8DAJ 1404- 54- 3-AB W3TFA 1104- 34-12-ABCD W3EXP 144- 6- 2-B K3DU(A(+WA3NZL) 30,360-426-20-ABCD W3PGKA(K3s, WA3WVX PHF PHH RQJ/N3LT W3s, VFD VRD, WA3s PHV HZI LAW OTZ QK8, WB3s BGS BIT, oprs) 13,680-261-14-ABCD K3IV0(N3FL, W3s DPU FG IP, WA3TID, WB3s BYG FBW ICL JVK, WB3CBX, oprs) 13,536-225-14-ABCD	WB4LJQ 21,692-336-19-ABCD WA4RNS 1008- 36- 4-B WA4NTP 910- 35- 3-B N4VA 432- 18- 2-B WB6NMT 13,860-240-11-ABCD WB6FTW/6 3616-113- 6-B K9GJU/6 22- 1- 1-B	San Joaquin Valley WB6EXV 1224- 21- 7-BDGI WB6YKM(+WB6RFI) 13,772-281-12-ABCD	San Joaquin Valley WB6EXV 1224- 21- 7-BDGI WB6YKM(+WB6RFI) 13,772-281-12-ABCD	Missouri WB8QFQ 4662-111-11-B WB9VH 4118- 98-11-B WB9PKN 2550- 75- 7-AB WB9RJR 2232- 62- 8-AB K9LCB 1260- 45- 4-AB WB9OGK 312- 11- 3-ABD K9TLM(+WB9GL, WB9s DRJ ITA) 5200-113-10-ABCD
WB8DAJ 1404- 54- 3-AB W3TFA 1104- 34-12-ABCD W3EXP 144- 6- 2-B K3DU(A(+WA3NZL) 30,360-426-20-ABCD W3PGKA(K3s, WA3WVX PHF PHH RQJ/N3LT W3s, VFD VRD, WA3s PHV HZI LAW OTZ QK8, WB3s BGS BIT, oprs) 13,680-261-14-ABCD K3IV0(N3FL, W3s DPU FG IP, WA3TID, WB3s BYG FBW ICL JVK, WB3CBX, oprs) 13,536-225-14-ABCD	WB4LJQ 21,692-336-19-ABCD WA4RNS 1008- 36- 4-B WA4NTP 910- 35- 3-B N4VA 432- 18- 2-B WB6NMT 13,860-240-11-ABCD WB6FTW/6 3616-113- 6-B K9GJU/6 22- 1- 1-B	San Joaquin Valley WB6EXV 1224- 21- 7-BDGI WB6YKM(+WB6RFI) 13,772-281-12-ABCD	San Joaquin Valley WB6EXV 1224- 21- 7-BDGI WB6YKM(+WB6RFI) 13,772-281-12-ABCD	Missouri WB8QFQ 4662-111-11-B WB9VH 4118- 98-11-B WB9PKN 2550- 75- 7-AB WB9RJR 2232- 62- 8-AB K9LCB 1260- 45- 4-AB WB9OGK 312- 11- 3-ABD K9TLM(+WB9GL, WB9s DRJ ITA) 5200-113-10-ABCD
WB8DAJ 1404- 54- 3-AB W3TFA 1104- 34-12-ABCD W3EXP 144- 6- 2-B K3DU(A(+WA3NZL) 30,360-426-20-ABCD W3PGKA(K3s, WA3WVX PHF PHH RQJ/N3LT W3s, VFD VRD, WA3s PHV HZI LAW OTZ QK8, WB3s BGS BIT, oprs) 13,680-261-14-ABCD K3IV0(N3FL, W3s DPU FG IP, WA3TID, WB3s BYG FBW ICL JVK, WB3CBX, oprs) 13,536-225-14-ABCD	WB4LJQ 21,692-336-19-ABCD WA4RNS 1008- 36- 4-B WA4NTP 910- 35- 3-B N4VA 432- 18- 2-B WB6NMT 13,860-240-11-ABCD WB6FTW/6 3616-113- 6-B K9GJU/6 22- 1- 1-B	San Joaquin Valley WB6EXV 1224- 21- 7-BDGI WB6YKM(+WB6RFI) 13,772-281-12-ABCD	San Joaquin Valley WB6EXV 1224- 21- 7-BDGI WB6YKM(+WB6RFI) 13,772-281-12-ABCD	Missouri WB8QFQ 4662-111-11-B WB9VH 4118- 98-11-B WB9PKN 2550- 75- 7-AB WB9RJR 2232- 62- 8-AB K9LCB 1260- 45- 4-AB WB9OGK 312- 11- 3-ABD K9TLM(+WB9GL, WB9s DRJ ITA) 5200-113-10-ABCD
WB8DAJ 1404- 54- 3-AB W3TFA 1104- 34-12-ABCD W3EXP 144- 6- 2-B K3DU(A(+WA3NZL) 30,360-426-20-ABCD W3PGKA(K3s, WA3WVX PHF PHH RQJ/N3LT W3s, VFD VRD, WA3s PHV HZI LAW OTZ QK8, WB3s BGS BIT, oprs) 13,680-261-14-ABCD K3IV0(N3FL, W3s DPU FG IP, WA3TID, WB3s BYG FBW ICL JVK, WB3CBX, oprs) 13,536-225-14-ABCD	WB4LJQ 21,692-336-19-ABCD WA4RNS 1008- 36- 4-B WA4NTP 910- 35- 3-B N4VA 432- 18- 2-B WB6NMT 13,860-240-11-ABCD WB6FTW/6 3616-113- 6-B K9GJU/6 22- 1- 1-B	San Joaquin Valley WB6EXV 1224- 21- 7-BDGI WB6YKM(+WB6RFI) 13,772-281-12-ABCD	San Joaquin Valley WB6EXV 1224- 21- 7-BDGI WB6YKM(+WB6RFI) 13,772-281-12-ABCD	Missouri WB8QFQ 4662-111-11-B WB9VH 4118- 98-11-B WB9PKN 2550- 75- 7-AB WB9RJR 2232- 62- 8-AB K9LCB 1260- 45- 4-AB WB9OGK 312- 11- 3-ABD K9TLM(+WB9GL, WB9s DRJ ITA) 5200-113-10-ABCD
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