

Results, June VHF QSO Party

Is the termination of a good tropo opening on a moonlit night, during the June VHF QSO Party, considered a brilliant de-duct-ion?

By Bill Jennings,* K1WJ and William O. Reichert,** N9HH

Depending upon the location from which one participated in the latest running (June 10-11, 1978) of the June VHF QSO Party, band conditions for the annual bash might be described as "superb" or "dismal" (see the disparity in the Soapbox comments later on), "best condx in years" or "worst ever."

Then taking into account that the number of entries received at 464 was 23 fewer than the number of entries received in 1977, and that 11 new all-time division records (compared to 16 in 1977) were set, one might be led to think that the most recent June outing was only a fair-to-middlin' exercise, at best.

Don't you believe it.

Not one, but two operators were able to best the all-time single-operator high score and three, count 'em — uno, dos, tres — multioperator stations came on to blow away the four-year-old existing multiop mark by healthy margins; ranging from 4k to 20k points.

Single-Operator Accomplishments

The single-operator assault was led by K1MNS. Larry, the number two single op

in the 1977 June Party, put it all together with a 75k point score to break the N6NB national solo operator record by over six thousand points. Also surpassing the old record and a scant 2000 points behind 'MNS, was K1FO, who placed number two in the 1978 and the all-time top ten single-operator listings. These two scores are indicative of how things went, single-op wise, as the 1978 "Top Tanners" had a score that averaged, at 44,207, 10,953 points higher than their counterparts in 1977.

Four divisions all have shiny new all-time single-operator records as a result of the June contest. WA2DPU added 6k points to the 1968 K3IPM record in the Atlantic Division. The New England Division record is, of course, owned by K1MNS, who outscored his own one-year-old best effort in that division. WA4GPM upped his own 1977 record score by 20k points to retain the top spot in the Roanoke Division. And VE2DFO holds the new Canadian single-op high, as the VE2YU score from 1977 was a multiop effort, which was erroneously reported as a single-operator entry.

Multioperator Happenings

Not to be outdone by the high-scoring

single operators, the multioperator stations took careful aim at some of the existing records and came away with three scores, which were better than the previous all-time best score, and seven new all-time division/DX records.

W2SZ/1, operating from their favorite haunt on Mt. Greylock in western Massachusetts, came away with a score 20,000 points higher than the previous best ever recorded for the June VHF QSO Party. The previous holder of the all-time multiop record was the 1974 WA1MUG group, who have essentially evolved into the W2SZ operation of 1978. Not too far behind and in second place in the all-time multiop standings, by a mere 7000 points is the W3CCX/3 operation, which was the number one multiop in the 1977 June contest. In third place in the multiop standings at 181k points are the operators of station W3BBS.

The 1978 top ten multiop list shows seven "repeaters" from the 1977 list, with K8III, W2YX and W1XM the newcomers. The average top ten multiop score, at 111,581, is 16,660 points higher than the 1977 average.

The new all-time multiop division records include W3CCX/3 bettering their own Atlantic Division record of 1977. The

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Division Leaders

Single Op	Division	Multiop
WA2DPU	Atlantic	W3CCX/3
K9KFR	Central	W9NWE
K0VXM	Dakota	W0VB
K4CHE/5	Delta	W4BFB/4
WB8IGY	Great Lakes	K8III
WA2PVV	Hudson	W2YX
W0SI	Midwest	W0YZS
K1MNS	New England	W2SZ/1
WA7RTA/7	Northwestern	K7AUO/7
N6NB	Pacific	W6AMT
WA4GPM	Roanoke	K4CAW
K5EFW	Rocky Mountain	W0PUF/7
N4QH	Southeastern	W4VO
WB6FTW/6	Southwestern	W6XJ
WA5HNN	West Gulf	N5KK
VE2DFO	Canadian	WB2SIH/VE1
WB2RLK/VP9	DX	XE2BC

All-Time Division Leaders

Single Operator			Multioperator		
Call	Score	Year	Call	Score	Year
WA2DPU	43,351	78	W3CCX/3	190,464	78
K9HDE	33,572	77	W9NWE	48,195	78
WA0CSL	21,808	77	W0OHU/0	60,164	77
WA5RMS	16,740	70	W4BFB/4	74,404	78
K8LEE	37,114	74	K8III	90,522	78
K2RTH	37,875	74	WB2WIK/2	106,399	76
WA0MRH	20,435	77	W0OHU/0	33,120	74
K1MNS	75,537	78	W2SZ/1	197,516	78
K7GWE	20,515	74	W7LYE/7	35,776	77
N6NB	69,184	77	WA6JUD/6	81,213	76
WA4GPM	41,760	78	K3LNZ/8	56,742	77
WA0TVZ	22,935	77	WB5AXC/5	23,424	76
W4GJO	32,292	62	W4VO	28,450	78
K6YNB/6	60,342	76	W6AMT	105,080	76
WA5HNN	34,151	77	K5CM	56,028	77
VE2DFO	24,012	78	VE3ONT	82,188	74
W2BN/C6A	18,700	77	XE2BC	23,961	78

Top Ten			
Single Operator		Multioperator	
K1MNS	75,537	W2SZ/1	197,516
K1FO	73,395	W3CCX/3	190,464
W1JR	43,516	W3BBS	181,678
WA2DPU	43,351	W1DC/1	135,252
WA1OUB	43,239	W2CNS/1	101,360
WA4GPM	41,760	K3LZ	96,900
K9KFR	32,000	K8III	90,522
WA1FSZ	31,680	W2YX	88,100
WB8IGY	30,384	WA2SNA	78,585
GW3NJY/W9	27,216	W1XM	77,168

W9NWE effort tumbled the K9HMB Central Division record of 1975. The Delta Division powerhouse, W4BFB/4, added 26k points to the record that they set last year. The K8III group grabbed the top spot in the Great Lakes Division in posting a score 29k points higher than the old record which was set by WA8BCA in 1975. W2SZ/1, in turning in the highest multiop score ever, also, incidentally, holds the New England Division record. The gang at W4VO added 5k to the 1977 K4CKS score to lead the Southeastern Division. And XE2BC now owns the multiop DX score to beat.

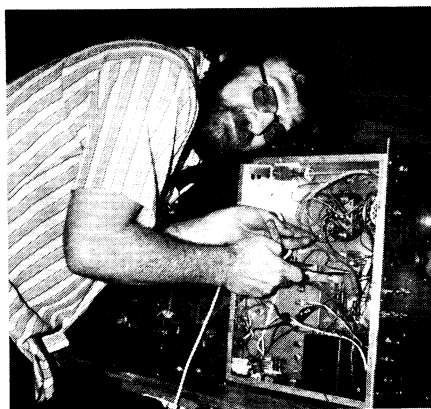
All in all, not a bad showing for a contest that might at first glance, have appeared a study in mediocrity.

N9HH provides an interesting narrative on his group's efforts to try to break the Central Division multiop record. Take it away, Bill.

"The June 1978 VHF QSO Party is now history, and from our point of view it was an enjoyable, albeit somewhat unusual, event. Our multioperator group did better than ever before, but that isn't what we consider unusual, since we have been able to make the same claim each time that we've entered the June Party. Rather, the strange sensation comes from the condition of the bands.

"Six meters was poor, at least based on past June showings. We had nothing resembling an opening until Sunday morning and then it was a good one, but all to the northeast. That evening the band opened again, but again to the northeast. We are glad that there are lots of 1s, 2s and 3s on 6, because we were at least able to rack up a fairly good contact total. As the band was folding for the last time during the party, we caught a little Es to the southeast and picked up three of four multipliers for a total of 40.

"Before the contest started, the group had developed a plan for breaking the existing Central Division multioperator record. We thought 600 contact points in 70 sections would do the trick. We were expecting somewhere between 52 and 55 sections on 6, so with a total of 40, it didn't look too promising especially after the 59 sections we had in June 1977. We didn't even hear any of the DX that was supposed to be on, but we were battling



K3BPP



W3HMU

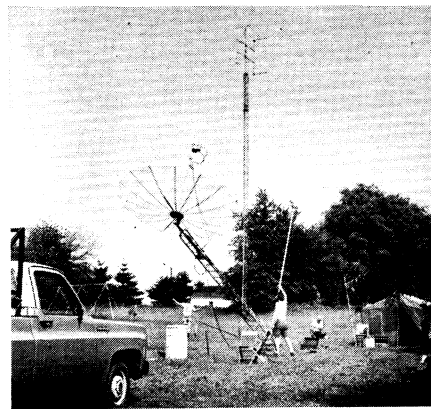
W3CCX — Eastern Pennsylvania — Multiop

our usual noise level, so maybe the DX was there and we just didn't hear it.

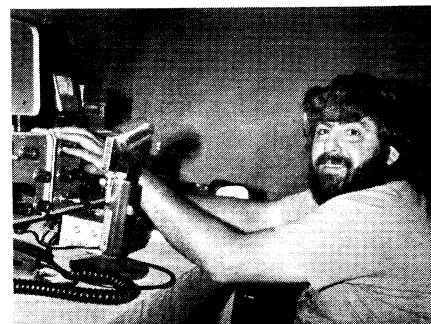
"Two meters was as good as 6 was mediocre. Excellent tropo conditions began at about 0430Z on the 11th. Worked a couple of new states and got 23 multipliers, 10 better than in 1977, almost making up for the slack for 6 meters. Contact totals were up on 2 also, statistically almost directly attributable to being able to use 146.52 MHz, at least in a limited way. Our only serious equipment trouble occurred on 2, and we got hit with a double whammy. Around 0200 on the 11th, two capacitors shorted in the ssb/cw amplifier, leaving us with about 85 watts output for the remainder of the contest. Then about 1400, as I turned on the equipment after catching a little shuteye, a surge from the big 12-volt power supply got the Tempo VHF-1 and we were off 2 fm until late on Sunday afternoon.

"Things took an upswing on 220 this year also. We had more contacts on 220 fm than ever before and for the first time, we worked a station outside the local area. This gave us three multipliers instead of the planned and virtually assured two. With conditions as they were on 2 and 432, it is certain that more could have been done on 220 given some DX mode capability. We've been running fm since there didn't appear to be much to work locally on cw or ssb.

"Conditions on 432, as intimated



1296, 2304 dishes going up



WA3JUF

earlier, were fine. We had a total of 12 sections, four better than we've ever done on the band, and eight ahead of our total in June 1977. So here again, we picked up a little of what we didn't do on 6. Had two small problems on 432. First, the antenna-mounted preamp we'd thrown up before the contest without testing, oscillated. Secondly, we were rock-bound and the rock wouldn't quite come up to 432.1, the new activity center, so we might have missed a few. In fact, we didn't work many of the normal "locals," so the contact total is up only slightly. Was interesting to hear some of the Eastern stations ask us to QSY to 1296, a capability we don't have. Here again, if there was some local activity, I'd probably give it a try.

"Think that all the ops basically like the way the contest is now run. Being able to use 146.52 is a boon to us here in what is a low vhf activity area. My personal opinion is either allow use of .52 any time, all the way, or eliminate 146 to 148 MHz from the contest. But if you keep the limited use rule, we'd like to suggest that the period be slightly longer, say six hours, so one could set up a particular portion of each hour for .52 and have enough to go the whole contest. In our case, we try to monitor .52 the first 10 minutes of each hour, if the frequency is clear and an operator is available.

"The other suggestion I'd like to make

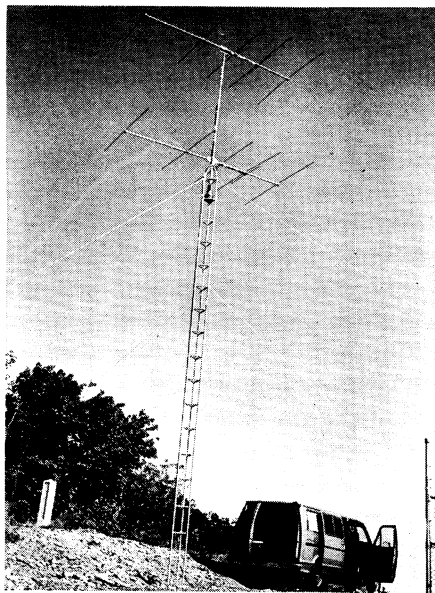
is that multiops be allowed to use the whole contest period. One of the advantages of the multiop (although it doesn't seem to work in this particular operation) is the greater availability of fresher operators for a longer period of time. The required 'off time' seems to negate this.

"All in all, a fine-business affair. We seem to have met our goal of bettering the old multiop record by about 10 percent, I believe. Of course, the way that we did it didn't resemble our plan, but what the heck. Guess that just shows that it is pretty hard to plan a contest."

Guess that just about wraps it up for this time, except to acknowledge the able assistance of Tom, K1KI and Arlene in the preparation of this report.

Soapbox

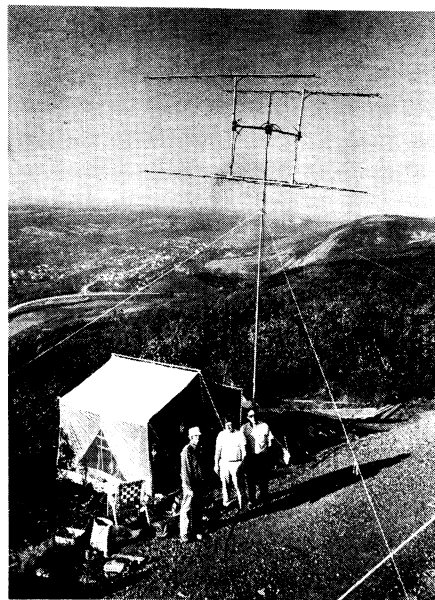
There is only one conservative comment for the June 1978 VHF QSO Party: WOW! The pileup of stations trying to work NC on 2 meters was as bad as if I were low-band DX. (K1FJM/4) I tried my best with 1 watt on 2 meters. (WA2YEI) Both 6 and 2 seemed better than normal from here, although the Es on 6 seemed to favor the W1s and the boys out west and south . . . I would like to compliment K2UOP/4, K4MSG and K4LHB (all within one mile of each other) for their signal quality and operating courtesy. All of us were able to operate 6 meters within 30 kHz or so without any real trouble. (W3IY/4) Just a token effort this year, since we were all tied up with the K2UYH EME DXpedition. (WA0CSL) We had very heavy winds (80 plus mph) on Peavine Mt., Nevada. Six meters didn't do too much for us, but on 1296, we worked K6UQH (a distance of 214 miles) for a first QSO between California and Nevada. (W6YKM) I suggest that each of the Maritime Provinces be counted as individual sections and large provinces, such as Ontario and Quebec be divided into several sections such as eastern and western Quebec, and eastern, central and western Ontario to promote vhf activity. At present, there is no incentive to work stations in western Ontario after having worked a station in eastern Ontario and yet the province stretches from W2 to W0 land. (VE2DFO) Worst weekend in years. Heard XE2BC, but too weak to attempt QSO. Heard one burst from W7KFS/VY1 (VE7ASM) Had a great time in my first contest. Was fun using solar power, but I had to wait for direct strong sunlight before I could transmit. (WA6OYS) Doubled my score, seems the quagi really works. Hope for four stacked next year and a little more power. (VE3GLD) Six meters didn't open up nearly as much as it had the past several years. It opened to California at the beginning of the contest, then again on Saturday evening to Nevada, Oregon and Idaho as well as to the Midwest at the same time. Sunday the band was mostly dead, but did produce a



6-meter station



1296 station



(l to r) Rich, W3GPY and N3AAX — 220 MHz

W3BBS — Eastern Pennsylvania — Multiop



432 station

double-hop opening to VE1 and New England around mid-afternoon. Nothing else was heard at this time until W1/VE1 signals disappeared and the band opened to southern CA and Mexico. The band was dead for the rest of the contest. (WA5QCP) The closest local was 180 miles north of me. Didn't even work my own state for a multiplier. (W7KNT) I sure wish that there were more stations on 223.5 fm simplex — Please! (WA2ANZ) Two meters provided extended openings into the Midwest with 20 over ssb signals for several hours . . . sure glad to hear all that 2-meter activity. (AA4R) The Sunday (11 June) Es opening was chaos! QRM was so bad that 6-meter ssb operations were forced up as high as 50.250 MHz. Yup, almost 4 percent of the 6-meter band

was in use! (WA1UXQ) On Saturday, a news crew, including a cameraman, from WBRE-TV in Wilkes-Barre, PA, arrived on the scene and did its thing. On the 6:00 news the following Monday there was a three-minute news item of our effort . . . In order to provide for operator comfort and safety, it was necessary to shoot one member of the native wildlife population — namely a rattlesnake. (W3BBS) We have all waited for one like this and this year we really got one . . . a contest that had a real good tropo opening. This contest clearly will be the time that many of the old all-time section and division records will come tumbling down. We were able to better the all-time record score, set while we were still WA1MUG, and by a good bunch too. I have heard

Multipliers Per Band

Min. Sections MHz	40 50	20 144	5 220	6 432	3 1296	Min. Sections MHz	40 50	20 144	5 220	6 432	3 1296	Min. Sections MHz	40 50	20 144	5 220	6 432	3 1296
K1FO	46	24	11	18	6	K2QR		23				WB6IMM/6*	19	9	6	8	5
K1EM	42	17				K2EVJ	24				3	K6TZ*	24	5	6	7	
K1ZZ	32	23		2		K2OEQ*	44	27		5		K6KLY	21	11	5	8	2
W1FV	44					WA2ZJF*	42	18	1	6		N6TX*	9	8	4	6	3
W1WHL	43					WB2UEE	37	13	2	7		WB6FTW/6	24	5	6		
K1TX		17	2	8		WA2ZHR/2*	30	24				WA6AWM	29	6	5		
WB1ALW		20		3		K3SXA	16	14	1	11		WA6OIL	24	7	5	6	
W1FAJ		13	10			WB2RBG/3	44	26				W6XJ*	35	11	5	6	1
WB1CJT		13		9		WA3VJU	40	12		3		N6NR*	28	11	6		
WA1LUJ*	49	15	9	12		WB3CXE	43					W6AMT*	18	10	4	6	
W1JR	38	22	9	19	3	K3IUUV	12	9	3	15	4	N6NB	27	11	9	7	3
WA1PMB	45	14				W3JMY	44					K6JKQ	7	4	6	6	1
K1CM		21				W3ARW		16	7			W6YKM/7*	21	9	6	5	1
K1GVM		19		7		W3CCX/3*	49	29	16	21	9	WB8BKC	32	22	2	6	
W1XM*	45	23	10	18	8	W3BBS*	46	30	16	22	11	N8HT/8*	31	20			
K1TR/1	39	18	5	5		K3LZ*	46	30	10	16		WB8IGY	40	30		2	
K1TOL	49					W3AD*	47	29	5	16		WA8TTS	40	17			
K1MNS	49	26	5	15	4	W3XO	44	16		8		WA8OGS	44				
WA1OUB	48	23				K3HCE	42	19		6		WA8TJL	23	28			
WA1FSZ	42	15		12	3	WA3USC		24				K8DIO		23		3	
W1EJ	33	16	8	3	2	W3IP				18		W8GOH		25			
W1FMF	34	14	4	8		W3PGA/3*	22	13	4	9		K8III*	49	36	1	8	
W1DC/1*	49	24	11	20	10	W3EAX*	14	25	3	5		W8VP*	36	26	4		
WA1PBR	58	18	7			WA3TIH	41					W8AEC	29	15		11	
W1UHE	23			12		W3GNR/3*	40	30		6		K3LNZ/8*	36	30	5	7	2
W2CNS/1*	50	25	12	16	8	W3QZF/3*	30	27	2			W8GK*	25	31		7	
K1LPS/1	36	14		8		K3WHC/3*	23	23		4		N8II*	42	21		6	
K1GYT	41	7				N4QH	47	5				GW3NJY/W9	35	21			
W1TKZ/1*	14	16		10	2	WA8CLN/4	41	9				K9RO	42	20			
W2SZ/1*	49	32	16	24	13	K1FJM/4		22		11		K8IE/9		26		16	
WA2PVV	44	16		7		K4CAW*	39	19	5	5		WB9SNR		15		7	
WA2TEO	19	21	9			W4BFB/4*	41	22	4	9		WB9QBU		20			
W2TX*	51	27	11	10		WA4GPM	40	34		16		W9NWE*	47	29	1	4	
WB2FKJ*	44	21	9	16	3	WA4SBC	35	25		15		N9HH*	40	23	3	12	
K2OVS	38	21				WD4GXN		28		19		K9HDE*	39	21	2	3	
WA2HBZ		23				K4QIF		23		17	8	K9KFR	39	21		4	
K2RIW				20		K4LHB	34	13		7		W9CSF/9	23	22			
WB2JAY			6			WA4BUE		18		12		WA9JFM		21			
WA2FUZ*	46	14		18		W4FJ	25	7		8		WB0ZXU	23	25		2	
WA2SLY*		23				W0OHU/5*	53	28	2	10		K0DAS		19		8	
WB2CAM	44	11				K4CHE/5	40	4	1	1		WB0SBG		15		10	
WB2CUT		21				N5KK*	61	18				WB0UFQ		24			
WA2SNA*	45	20	9	17	2	N5KW*	57	20		6		W0RWH		22			
K2GE*		25				WA5HNK	55	6		3		W0YZS*	32	16		11	
WA2DPU	44	22	3	8		K5LZO*	57	7	1	3		K0ALL*	42	4			
W2EIF	23	21	10	14	4	WB6JQY		7		7		W0SD*	41	12			
WA2KOK	41	17	3	10		W6CN		7		6		WB2SIH/VE1*	34	21		11	
WB4NXY/2	45	19				W6NXB				6		VE2DFO	45	24			
K2BWR*	46	20	10	15		K6ZMW					6	VE2YU		18	1	12	
WB2CUD*	41	15	4	9		W6GGV*	22	13		7		VE3BQN	28	14	2	7	2
K2NV	33	26		2		K6BPC*	17	8	7			VE3FGU		20			
K2YCO	24	17	6	7	4	WD6DNV	17	7		6		VE3FN		23			
WA2BPE	42					K6MEP*	29	10	5	4		VE3FHK*	43	7		3	
K2GK	1	23				K6HXW*	25	12	5	8		XE2BC*	24	11	6	5	3

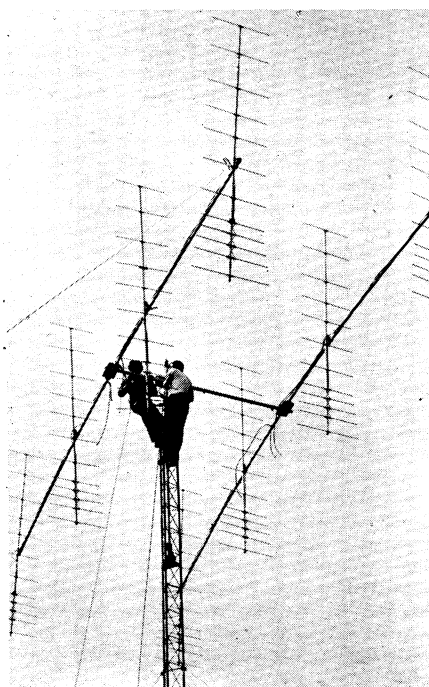
*Multioperator station

rumors that the W3CCX group did about as well as we did, and it will be verrry interesting to see who came out on top. No matter who is the winner, the vhf bands have benefited from this last bash. For a change, weather conditions cooperated with us very nicely. Wonder of wonders, no one got wet on the mountain this time. The bountiful supply of sunshine and light winds permitted us to go all out and erect our antennas in their largest versions rather than in limited size, fall-back versions that we use when the weather is bad. This time, we were really loaded for bear on 2 meters with a total of eight (that's right 8!) 12-element KLM style antennas. This array is huge — 36 feet by 15 feet. All of the 96 elements really worked too! The 220 antenna was up in its large version —

88 elements. The activity on this band really needs help on the low end though. When 2 is open and 432 is open, but nothing is on 220, that's really bad news, guys!! (W2SZ/1) This contest was almost a duplicate of one about five years ago, where nothing was worked on 6 meters east of the Mississippi River. The highlight of the contest was working XE2BC on 2 meters, a first to XE-land for me, but not for Nevada to Mexico. The first Nevada-Mexico QSO on 2 meters was made by WB7EME on fm several years ago. Meteor scatter was unusually excellent on Sunday morning to provide a host of new sections here on 6 meters. Unfortunately, 6-meter and 2-meter activity peaked at the same time so we missed opportunities for 2-meter sections. (K7ICW)

Probably would have worked more stations on 432, but for antenna alignment problems. Many ops just don't know where we are, and with highly directive arrays that usually spells *no contact*. (W1AIM) Six meters was poor most of the contest, very short E openings, had to work hard to get our 58 sections. The 2 meter and 3/4 part was super. Had the tropo to the northeast giving us 20 sections on 2 meters and six sections on 3/4 meters. We had lots of guys confusing us with N5KK, some thinking we were the same station and tuning past us. (N5KW) [The N5KK-N5KW clash in the OK section is a rather interesting rivalry (you would really need a scorecard to tell the players apart). N5KK came out on top this time, but look out next time cuz the

N5KW bunch now has Melissa to throw into the fray. Congrats to Sam, K5SW and Pam, N5KW, on the new harmonic. — Ed.] If anyone complained about conditions in this contest, they should be sent to a shrink. (K1FO) Had a very good time, operating from the side of an active volcano (Mauna Loa Volcano) at the 8200-foot level. Had very good weather, the night was cold (40° F) and the days were warm (60° F). Most of the time we were calling CQ on ssb on 50.1, 144.1, 144.2, 145.1, 432 and 432.1 MHz, with the antennas pointing toward the mainland (CA). Only two 1-minute openings on 50.1 to Arizona at 2334 and 2341 UTC on June 11. We will try to stir up some more interest in the VHF QSO Party for September here in Hawaii. 432 MHz was always by far the very best for the 200-mile-plus distance to the island of Oahu. Worked KH6IJ on 432 ssb, 10 watts, 5-9 plus. Hoping to work the mainland on 432 MHz, using a 64 element "extended both ways, W6GD collinear antenna" at the home QTH. (KH6HME) A very good contest. Thanks to W2CNS/1 and WA2SNA for two new states on 432. Some cw operators should learn to copy things other than "RST/Section." With some stations, requests for skeds on 432 met only with a "QRZ Contest" reply! (VE2YU) 144 MHz opened up on Saturday evening to S. TX, AL, MS, GA, the Carolinas, VA, WV and PA, although not to all areas at the same time. The ducts seemed to form and dissipate several times in an hour to



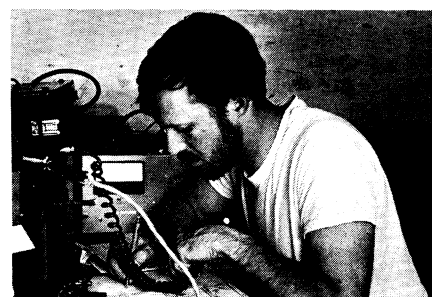
WB2BXP — K1DH — 2 meters

W2SZ/1 — Western Massachusetts — Multiop

various places. (K0DAS)

Feedback

Please note the following corrections to the June 1977 VHF QSO Party report: K8DIO should have been listed in the Multipliers Per Band Box, as Lloyd had four sections on 432. VE1ASJ's score



WB2QCJ — 2 meters



K1DH — 6-meter station

should have been listed as 23,258-401-58-AB. This would have made Andy (as VE2YU, shown in the score listings as a single-operator effort was really a multiop station) the number one Canadian single-operator station, and the All-Time Canadian Division record holder for 1977.

QST

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-420 MHz, E-1215 MHz, F-2304 MHz, G-330 MHz, H-5 GHz, I-10 GHz).

U.S.A.

1

Connecticut

K1FO 73,395-618-105-ABCD
K1EM 18,644-316-59-AB
K1ZZ 15,447-269-57-ABD
W1FV 9372-213-44-A
K1K1 8272-188-44-AB
W1WHL 7052-164-43-A
W1JZT 4686-142-33-AB
K1TX 4536-143-27-BCD
WB1CWZ 4042-87-43-ABD
WB1ALW 3151-134-23-BD
W1FA 1840-64-23-BC
W1LOU 1717-101-17-B
WB1CJT 1650-62-22-BD
W1HNF 1650-60-33-AB
WB1CWG 812-58-14-B
K1VMI 756-63-12-B
W1JHZ 741-54-13-BC
N1CC 600-50-12-B
W1XZ 539-49-11-B
W1JA 462-42-11-B
K3KH/1 440-40-11-B
K1TN 224-28-8-B
W1LUJ(K1s VSC ZKR W1s HYN

RLV,opr) 57,120-642- 85-ABCD
W1GTP(K1VYU) 3000- 75- 40-AB

Eastern Massachusetts

W1JR 43,516-399- 92-ABCD
W1PMB 21,594-366- 59-AB
N1HR 17,316-333- 52-AB
W1NQV 5633-131- 43-AB
W1UXQ 4719-143- 33-A
K1CM 3759-179- 21-B
K1GVM 3198-123- 26-BD
W1CRL 3185-88- 35-ABD
WB1FKF 935-85- 11-B
WB1FOD 275-25- 11-AB
W1LMU 34-18- 2-AB
W1XMK(K1s JH MK,N1RC,W1XG,
WB1CQR,WA4TTG,N9AL ND,
opr) 77,168-644-104-ABCD
K1TR/1(+K1EA,W1s ONB PBU
QWF VFJ) 40,664-573- 68-ABCDI

Maine

K1TOL 23,373-477- 49-A
WA9FCG/1(+K1s CZ OK TMZ)
8120-232- 35-AB

New Hampshire

K1MNS 75,537-685- 99-ABCD
W1OUB 43,239-609- 71-AB

W1FSZ 31,680-409- 72-ABDE
W1EJ 19,220-279- 62-ABCD
W1FMF 17,640-269- 60-ABCD
W1NPN 6450-150- 43-AB
K1LL 3348-124- 27-ABC
W1JSM 780-52- 15-B
W1D/C/1(K1s BA BT KEC MUC TWF
VAN,N1XO,W1s GUJ SXT LLB
OOP QXX,W1s GVH HON JIR KPS
M2C NPN NVC TFH TZV YAM,
N9KV,opr) 135,252-977-117-ABCD

Rhode Island

W1PBR 17,388-265- 63-ABC
W1UHE 4060-82- 35-AD
N1RI 1264-79- 16-B
N1DM 225-25- 9-B
W2CNS/1(+W1RTN,K2s LDU LZ F OS
W2s AV IOG,W2s VCM ZKD ZQN,
WB2KAO) 101,360-799-112-ABCD
K1COW/1(+WB1DRW) 3683-127- 29-AB

Vermont

K1LPS/1 10,904-172- 58-ABD
W1AIM 10,143-202- 49-ABD
K1GYT 7344-153- 48-AB
W1JXN 2304-128- 18-B

W1IYK 2146- 74- 29-A
K1LL 407- 34- 11-BD
301- 43- 7-B
W1BZR
W1TKZ/1(K1s OGF TK UR W1s
PQY YOJ,WB1s BUN ECJ,WB2BYP,
opr) 8694-184- 42-ABDE

Western Massachusetts

K1WGN 8742-186- 47-AB
W1UOL 6972-166- 42-AB
N1PF 2380-68- 35-AB
W1JP 1428-102- 14-B
WB1ABF 1428-102- 14-B
K1JG 20- 5- 4-B
W2S2/1(K1s DH IO XE,W1s UNH
UGE UWN,WB1s CBH FUR,W2GN,
K2s TR UF,N2FU,W2s FKS GFP,
WB2s BXP DCH CFP PKO QCJ,
WB4ZGB,WABUSA,opr) 197,516-1303-134-ABCD
W1WRK(+W1WRM,WB1AKT) 3861- 99- 39-AB

2

Eastern New York

WA2PVV 24,589-359- 67-ABD

WA2TEO 8820-167- 49-ABC
WA2ANZ 36- 6- 4-BC
W2YX(+K1RT,K2OV,N2s CB NT,
W2YV,WB2JSJ,K3UA)
88,100-840-100-ABCDI
WB2FKJ(K2s DNR SHB UKE,W2s
AWX HCQ KBH,W2s ENM HAQ,
WB2s DVV GXF HD5 NKN,opr) 67,704-661- 93-ABCD
WA2FPF(+K2s AKS APN,N2FQ,
WA2s FPG OQN OUS YGE,WB2s
FPC FPL) 7426-158- 47-AB

New York City - Long Island

K2OVS 10,915-185- 59-AB
WB2GVD 6336-144- 44-AB
WA2HBZ 3243-141- 23-B
K2RIW 2320- 58- 20-D
W2LEJ 600- 60- 10-A
WB2JAY 216- 18- 6-C
K2SX 102- 17- 6-B
WA2ZW 60- 15- 4-B
WA2YEI 55- 11- 5-B
WA2FUZ(+WA2YJF) 31,434-364- 78-ABD
WA2SLY(+WB2IDP) 4002-174- 23-B

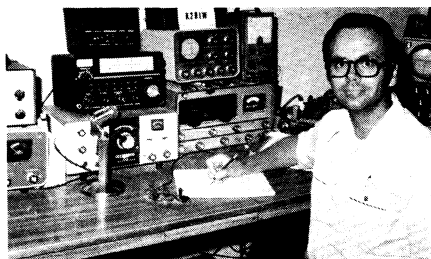
Northern New Jersey

WB2CAM 17,050-310- 55-AB

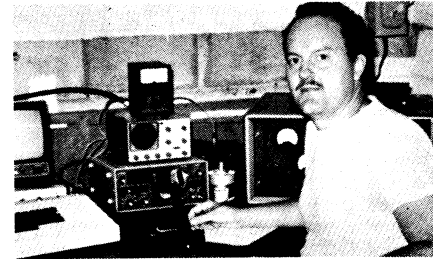
WA1JXN — Vermont



K2RIW — Eastern New York



6 meters at K3LNZ/8. WA4LJQ does it best.



WB2WIH 5304-136- 39-AB
WB2CUT 4578-218- 21-B
WA2FZ 1104-35- 35-AB
K4BNC/2 1170-45- 26-AB
W2AQ 1054- 62- 17-B
W2CVM 714- 38- 17-ABC
WB2NCF 63- 7- 1-ABC
WB2CHE 50- 10- 5-B
WA2SNA(K2B)G,N2AAZ,W2IHM,
WA2S ANQ DTJ JSW UPK WLK,
WB2S ARS JCP LBP LHK QEA QOQ
VZV,W2D2S AA ADH,oprs
78,585-741- 93-ABCD
WB2EWW(K2D)J,N2GA,W2EKK,
WA2S HMM M5 OCN RJM,WB2TKU,
oprs
12,200-244- 50-AB
K2G6E(K2S KFE KZ MS,WA2S NXX
OJO ONA,WB2S SNN UYX,oprs)
8800-352- 25-B

Southern New Jersey
WB2DPU 43,351-532- 77-ABCD
W2EIF 23,616-257- 72-ABCD
WA2KOK 22,649-293- 71-ABCD
WB4NXY/2 19,264-301- 64-AB
WB2YEH 14,355-235- 55-ABC
N2CQ 2900-100- 29-AB
WB2IMU 2768-173- 16-B
WA2MMA 2374- 1- 39-ABC
WA2FZB 670- 67- 10-AB
WB2RRJ 498- 83- 6-AB
W2HXF 494- 34- 13-BD
WB2SPW 30- 10- 3-B
K2BWR(+K2ZJR) 38,948-385- 91-ABCD
WB2CUD(+WA2ONK,WB2HWF) 25,254-333- 69-ABCD
WB2OSQ(+WA2OMY) 9408-196- 48-AB

Western New York
K2NV 23,058-372- 61-ABD
K2VCO 11,014-164- 58-ABCD
WA2VAM 8010-178- 45-AB
WA2BPE 6552-156- 42-A
WA2SHN 5022-162- 31-AB
WA2IKO 3471- 85- 39-ABC
K2KG 2760-115- 24-AB
WB2ELB 2349- 83- 27-ABD
K2GR 1771- 77- 23-B
K2EJV 125V 59- 27-ABC
K2J1Q 880- 55- 16-B
K2HC 720- 48- 15-A
WA2KJE 615- 41- 15-A
W2WGL 613- 36- 1-B
K2S5B 72- 36- 2-B
K2OEE(+WA2KGM,WB2S IEY KIW
JLR KGL R) 37,744-432- 76-ABD
WA22JF(K2RWK,WA2S MYU PGW
RQC,WB2S FBP MMA MYZ
NFB PGL SH,oprs)
27,007-394- 67-ABCD
WB2UEE(+WA2S CJT GQF,WB2S
BGI KLD +YF,oprs)
13,865-217- 59-ABCD
WB2ZHR/2(+WB2S RVH,WA2S
13,500-225- 60-AB
N2JY(+WB2S HWO LRY)
2842- 97- 29-ABD
WA2CBU(+W2CGBT,W2CCE)
2688-192- 14-B

North Carolina
WA8CLN/4 16,650-333- 50-AB
K4GMP 10,824-246- 44-AB
WA4GBE 948-221- 41-ABD
K1FJM/4 6732-177- 33-BD
WB4HFL 5882-128- 34-ABC
K4ROM 3172-122- 26-AB
K4SAN 1020- 55- 17-BD
W4ZZ 280- 40- 7-B
K4CAW(+K4S HJE MOB,N4XO,
W4GFFJ,WA4S DYY JIY MS5,WB4S
DBB EEM GGF) 50,456-680- 68-ABD
WA4WZQ/4(+WA4WZP,WB4UDS,
WD4S GGU HBU,oprs)
18,424-352- 47-ABCD
W4CQ/4(G8NF,K4AAVL,WA4S
JLW TJ UNZ,WD4S BEL CFX,
oprs) 16,687-740- 37-ABCD
WB4TIC(AA4OO,WA4LQS,WD4HKB,
oprs) 7476-160- 42-ABCD
N4YN(+N4SM,WD4AQH)
6724-150- 41-ABCD
W4PAR/4(W4S IPP LVV OTI JI,
UKZ WAU,K4FMC HGK SWJ,
WA4S ASK EPV HAZ JVD PTL
NSD,WHE,WB4S EMG PTY HCP
VMD,WD4S WJN LYG NTE NIT
OF,K4ABCP,WA4KFF,W4EPV,
K4H5K,oprs) 6562-179- 34-ABCD

Delaware
K3SXA 8022-157- 42-ABCD
WB2DNE/3 310-130- 24-A
W3BPD 286- 20- 13-BD

Eastern Pennsylvania
WB2RFB/3 22,400-320- 70-AB
WA3VJU 11,556-213- 54-ABD
K31WK 11,556-213- 54-ABD
WB3CXE 11,556-213- 54-ABD
K31UV 7525-113- 43-ABCD
W3JMY 6903-107- 34-A
K3XO 6733-147- 39-A
W3CLQ 1980-110- 18-B
W3ARW 1081- 39- 23-BC
K3YL 96- 26- 2-B
WA3YSU/3 175- 25- 7-B
WA3HIT 60- 20- 3-B
W3CCX/3(WA1YU,K2EVM W2NM,
WB2S OYU SZK,K4F ACN PIP UJ,
MMV QWQ3S ELX HMM HQT IIT
ZD,WA3S AXV JUF NFV NUF WAS
YUE,WB3S ATJ CDE,oprs)
190,464-1257-128-ABCD
WB3BBS(WB2MR,WB3S AMC ARX
EGY GPY OWP RWR,WB3S BWW
UGP VVG VYI,WB3S ACG ADS
AMY EFH EPI ESS,EUH FHJ
FVJ FVK HTK KQ,K4H ARR
FMF HAT I IJ PFX PGE RLM RYL
TJ,N3S AAX ET IK)
181,678-1137-133-ABCD
K3LZ(+K3SU,WB4S PPP LBI PUL
TUL VUN WAK ZFD)
96,900-872-102-ABCD
W3AD(K2NE,N3MG,WA3S PHL
RKM,oprs)
73,623-705- 97-ABCD
W3LPL(WB3 GFN JUZ,oprs)
1344- 56- 24-AB
WB2ENJ/3(+W2D)H 36- 12- 3-B

Maryland - D.C.
W3XO 25,772-359- 68-ABD
K3HCE 22,244-311- 67-ABD
WA3DMF 10,878-212- 49-ABCD
K3AKR 8234-169- 39-ABCD
WB3LSY 4862-143- 34-AB
WB3AZH 4796-136- 36-AB
W3JPT 4500-125- 36-AB
W4NVV/3 3103-102- 24-ABC
WA3JUS 2880-120- 24-B
W3IP 1944- 54- 18-D
W3OTC 1449- 61- 29-AB
WA3YKI 1152- 72- 16-AB
W3TFA 961- 49- 13-ABCD
W3MSN 154- 21- 7-ABC
W3PGA/3(K3S CWZ FRX PHH
ROJ,N3IT,WB3 JFD VRD WA3S
FHV HZI LAW OTZ QKB,WB3S
ACE BGS BIT,oprs)
12,336-234- 48-ABCD
W3EAX(N1Q,WA3S UHY WHE
YPT,WB3IEJ,oprs)
10,105-196- 47-ABCD

Western Pennsylvania
WA3TH 6519-159- 41-A
W3CSA 534- 59- 26-AB
W3GNR/3(+K3TFL ZDR,W3S DQF

GNR JT,WA3S BUX FFC UFN,
WB3S DCZ DDA) 37,164-482- 76-ABD
W3QZF/3(+K3S LYK OIH,W3S BTX
BZN,WB3S EFG JQD,oprs)
22,007-373- 59-ABC
K3WHC/3(+K3DJ,WB3S AWJ
BNB) 12,850-243- 50-ABD

Alabama
WA4NPL 11,844-282- 42-AB
WA4CQG 6468-170- 38-AB
WA8KLH/4 4266-158- 27-AB
AA4F 238- 30- 7-BD
WA4FHY 14- 7- 2-B

Georgia
N4QH 21,200-400- 53-AB
WB4RUA 2117- 73- 29-AB
WA4SJI 1950- 78- 25-A
WA4QDB 187- 7- 4-AB
W4ISS 306- 24- 9-BD
W4VO(K4S AEK CKS,WA4S IBI
KPU,WA4S AEG WYK,oprs)
28,050-58- 50-ABD
WB4NMA(+WD4IIS)
17,200-335- 50-ABD
N4SJI(+WA4S MCQ MZN,WB4NNW,
WN4OAC,WD4S DWI DXD JHL
JLI) 536- 67- 8-B

Kentucky
W4SMU 1649- 94- 17-BD
WB8NMY/4 20- 10- 2-B
WA4YK(+K4EJQ,WA4CBX,WD4S
AGO EKA) 9936-216- 46-AB
WB4VLH(+WB9JFT) 6176-193- 32-A

North Carolina
WA8CLN/4 16,650-333- 50-AB
K4GMP 10,824-246- 44-AB
WA4GBE 948-221- 41-ABD
K1FJM/4 6732-177- 33-BD
WB4HFL 5882-128- 34-ABC
K4ROM 3172-122- 26-AB
K4SAN 1020- 55- 17-BD
W4ZZ 280- 40- 7-B
K4CAW(+K4S HJE MOB,N4XO,
W4GFFJ,WA4S DYY JIY MS5,WB4S
DBB EEM GGF) 50,456-680- 68-ABD
WA4WZQ/4(+WA4WZP,WB4UDS,
WD4S GGU HBU,oprs)
18,424-352- 47-ABCD
W4CQ/4(G8NF,K4AAVL,WA4S
JLW TJ UNZ,WD4S BEL CFX,
oprs) 16,687-740- 37-ABCD
WB4TIC(AA4OO,WA4LQS,WD4HKB,
oprs) 7476-160- 42-ABCD
N4YN(+N4SM,WD4AQH)
6724-150- 41-ABCD
W4PAR/4(W4S IPP LVV OTI JI,
UKZ WAU,K4FMC HGK SWJ,
WA4S ASK EPV HAZ JVD PTL
NSD,WHE,WB4S EMG PTY HCP
VMD,WD4S WJN LYG NTE NIT
OF,K4ABCP,WA4KFF,W4EPV,
K4H5K,oprs) 6562-179- 34-ABCD

Northern Florida
W4NVV 6634-214- 31-AB
WB4BSZ 4060-145- 28-AB
W4EQR 2464- 72- 32-ABD
WB5MAC/4 1416- 59- 24-AB
W4CSS 1344- 56- 24-ABD

South Carolina
N4DT 7560-171- 42-ABCD
WD4ACT 4991-161- 37-AB
K4KAE 2940- 82- 35-ABD
K4CJN 2604- 93- 28-AB
WB4LDU 2184- 84- 26-AB
WB4NBB 1403- 61- 23-AB
W41QQ/4(K4PXE,N4OB,W4LZ,W,
WA4S ZCJ DNM WWC,WB4S HZ
PGS,oprs) 13,040-305- 40-ABCD
N4JK(+W4FVW,W4AJWC,WB4S
JWR WJQ,WD4S BUC BUH,oprs)
3243-141- 23-AB

Tennessee
W4WNV 6634-214- 31-AB
WB4BSZ 4060-145- 28-AB
W4EQR 2464- 72- 32-ABD
WB5MAC/4 1416- 59- 24-AB
W4CSS 1344- 56- 24-ABD

South Florida
W4MGB 10,545-285- 37-AB
WB4BND 2407- 83- 29-A
K4GFG 102- 34- 3-B
WA4BUS(+WB4ORM)
9960-279- 32-ABD
WB4WXE(+WA4YMZ,WB4VLR)
6045-195- 31-AB

Virginia
W44GPM 41,760-429- 90-ABD
W44SBC 19,650-232- 75-ABD
K2UOP/4 15,989-254- 59-ABCD
WD4GXN 11,609-247- 47-BD
K4QIF 10,704-165- 48-BDE
WB4FQR 10,192-207- 49-ABD
W4V/4 9776-207- 47-ABD
K4LHB 7668-132- 54-ABC
K4FJV 7245-207- 35-AB
W4NFR 4560- 90- 24-BD
W4ABUE 4200-113- 30-BD
W4MHQ 4064-117- 32-ABD
W4FJ 3720- 73- 40-ABD
WB4EYP 2790-155- 18-B
K4MSA 2100- 84- 25-AB
WA4EPI 820- 41- 20-A
K4JSI 528- 44- 12-A
NSBA/4 481- 37- 13-B
N4MM 60- 15- 4-B

Arkansas
WB5JAR 4026-122- 33-AB
WA2Q/5 2160- 72- 30-AB
W9OHU/5(+K9AKS,W9UD,
WA9CWW,WB9QPI) 65,658-706- 93-ABCD
K5ETU(+WA5FD) 3312- 92- 36-AB

Louisiana
K4CHE/5 9246-195- 46-ABCD
WA5UUD 7178-194- 37-AB
WB5CZV 4030-130- 31-AB
WA5UFH 1518- 66- 23-A

Mississippi
WB5QCB 867- 51- 17-A
W5UCY 248- 30- 7-BD

New Mexico
K5EFW 2340- 90- 26-AB
W5IXR 702- 54- 13-AB

Northern Texas
WB5KTC(+W5QYT) 6732-175- 36-ABDI

Oklahoma
N5KK(+N5CQ,WB5S SVV THA,
WD5S CSQ CSR GFI) 48,585-615- 79-AB
N5KW(+K5S CM SW WB5HLR)
47,808-557- 83-ABD

Southern Texas
WA5HNK 24,768-368- 64-ABD
WA5IYX 3696-112- 33-A
WA5QCP 2064- 86- 24-A
K5EI 2050- 82- 25-AB
K5ZD 840- 70- 12-AB
K5LZO(K5S MA NA RC,KB5AW,
WB5WJ) 37,264-521- 68-ABCD

East Bay
N61G/6 1176-140- 8-BD
WB6YJC(+WB6S BJO ZGY,WD6S
EIZ FGA) 6328-226- 28-AB

Los Angeles
WB6JYQ 2072-122- 14-BD
W6CN 873- 52- 9-BC
W6NXX 456- 38- 6-C
K6KH 224- 28- 4-C
K6ZMW 198- 11- 6-E
N6YB 120- 12- 5-B
WA6DCT 64- 8- 4-C
W6GGV(+WB6PKA) 18,700-418- 42-ABD
K6BPC(WA6HXD,WB6S AXE
VYP,oprs) 7520-206- 32-ABC

Orange
W6SDNV 4740-141- 30-ABD
WB6MFW 2465- 85- 29-AB

Santa Barbara
WA6OYS 1520-111- 10-BC
K6MEP(K6VMN,N6MA,WA6S IJZ
UEO,WB6FP,oprs) 20,629-372- 49-ABCD
K6HXW(+WA6WTH,WB6HJW)
16,100-287- 50-ABCD
WB6IMM/6(+WB6AL,WA6EJO)
15,312-241- 48-ABCD
K6TZ(WA3YV,W6EMS,WA6S ATE
KITZ MBZ OUT ZYG,WB6S CBV
HOZ,W6GF JV,WB9KMO,oprs)
15,047-268- 41-ABCD

Santa Clara Valley
K6KLY 23,829-426- 47-ABCD
WA6GYD 7805-199- 35-ABDE
K6QAL 2900-116- 25-AB
WA6BYA 1040- 65- 16-A
N6TX(+W6URA,WA6UHN,WB6JNN)
10,920-297- 30-ABCD
N6RZ(+K6TCN,WA6OCV)
6425-257- 25-AB
K6BJ(K6BOK,W6LC,WA6SVW,oprs)
2772-126- 22-AB

San Diego
WB6FTW/6 12,355-260- 35-ABC
WA6AWM 12,040-260- 40-ABC
WA6OIL 6848-143- 42-ABCD
WA6MHZ 366-11- 13-AB
N6PC 462- 21- 11-A
WB6YNG 33- 11- 3-B
W6XJ(+WB5CTS,K6JYO,WA6IGY,
WB6IMV) 35,148-51- 58-ABDE
N6NR(+K6DYD,WA6S POI RLY)
14,445-299- 45-ABC

San Francisco
N6HZ 2640-114- 22-ABD
W6SFH 174- 25- 6-B
W6AMT(WB6S ASR FER RAL RHP
VZY,oprs) 18,603-435- 39-ABCDJ

San Joaquin Valley
N6NB 23,997-362- 57-ABCD
K6YK 2905-131- 35-AB
K6JKQ 1872- 54- 24-ABCD
W6DDP 1224- 51- 24-AB
W6GCP(+WA6ALA,W6DIO)
48- 16- 3-B

Sacramento Valley
K6RNG 4800-160- 30-AB
WD9DYP/6 864- 48- 18-AB

Pacific
KH6IHP 19- 18- 1-BD
KH6HME(+KH6IAA) 92- 20- 4-ABD

Arizona
K7NN 5319-197- 27-AB
W7EDO 3358-146- 23-A
WA7LHZ 1571- 9- 16-A
W7LUX 96- 21- 4-BD
W7JTM(+WA7S JTL LYI)
5300-212- 25-AB

Idaho
WA7FSI/7 588- 49- 12-AB
WA7NNH 245- 35- 7-AB
K7MM/7(+WA5ZKQ,WA7S YCP

Montana
W7KNT 287- 41- 7-A
W7PDC 200- 20- 10-AB
WB7CLS/7 9- 9- 1-B

Nevada
K7ICW 5436-149- 36-ABD
N6CA/7(+N6CZ,WB6S JVD OKK)
12,936-268- 42-ABCD
W6YKM/7(+K6LXO,WAGEZM,
WB6KBZ) 11,382-250- 42-ABCD

Oregon
WA7RTA/7 5740-175- 28-ABCD
K7HJS 1311- 63- 19-ABCD
W7TYR 24- 8- 12-ABCD
W6LLP/7 9- 8- 3-B
K7AUO/7(K7WW,N7DB,W7S ADV
UDM,WA7GFP,WB7S FHF PMP,oprs)
19,795-453- 37-ABCD

Washington
W7YOZ 4752-183- 22-ABCD
WB7SDA/7 544- 68- 8-AB
WA7PVE 378- 63- 6-AB
W7IDZ 115- 23- 5-AB
W7ERH 25- 8- 7-B
N7NW/7(+K7S KOT NO WTG,
W7NAN) 11,718-366- 27-ABCD
W7EK(K5WT,WA7SW,W7UGK,
W7YS JEG LZ,WA7S AIV BFM,
oprs) 2453-194- 11-ABC

Wyoming
WA7KYM 688- 43- 16-AB
WB9UF/7(+K9UDZ,KA9AZX,
WB9FPK) 1206- 67- 18-AB

Alaska
KL7IFP 68- 17- 4-AB
W2BN/KL7 52- 13- 4-AB

Michigan
WB8BKC 20,460-307- 62-ABCD
WA8EUU 4059-110- 33-ABCD
WB8AAX 1224- 72- 17-B
K8BGZ 49- 7- 7-B
WB8RM(WA8HGX,WB8S RNY SBI,
oprs) 14,536-303- 46-ABD
WA8JULG(+WA8S MGO QBG,WB8S
PGH WVD WXS,oprs) 11,088-232- 44-ABCD
WA8FTA(+WB8ZVC)
11,988-268- 41-AB
N8HT/8(+WB8HW,WB8FEZ,WB8S
CQN QGE) 10,659-209- 51-AB
WB8CQN(+N8HT)
54- 27- 2-B

Ohio
WB8IGY 30,384-420- 72-ABD
WA8TTS 15,732-276- 57-AB
WA8OGS 12,936-294- 44-AB
WA8TJL 9486-186- 51-AB
WB8TRK 8448-192- 44-AB
WB8MSF 7084-154- 46-AB
WB8PAT 4588-108- 37-ABD
K8DW 426-107- 35-ABD
K8DIO 3094-110- 26-BD
WB8GOH 3050-122- 25-B
WA8SVV 2106- 78- 27-AB
WB8INN 295- 9- 5-B
W8PRL 120- 23- 4-AB
K3ZAP/8 150- 25- 6-AB
WB8JRN 150- 25- 6-AB
WB8VSU 48- 24- 2-B
K8I1I(+K8WW,WA8S PKB RCN)
90,522-937- 94-ABCD
WB8PK(K8AL,K8AMF,WB8S LBB
MZP,WA8AHD,WB8S DGE ERB
WB8TRK TS1 WDS,WA8 AKI LKJ
QBJ,oprs) 35,508-499- 66-ABC
WB8JTW(+WB8KQP,WA8ZNC,
WB8BOS,WD8S DDJ DIP)
1920- 70- 24-ABC

West Virginia
WB8AEC 7315-113- 55-ABD
K3LNZ/8(K3AAF,WA3S EOQ NZL
OYW,WA3PS,WA4LJQ,oprs)
38,948-385- 92-ABCD
WB8K(K8S BS CG MBH WMX,WB8
AH NR,WA8OKG,WB8S GDY ILK
LPF UVM,WD8NFW,oprs)
33,925-31- 44-ABD
N8I1I(+WB8S EGV EKG HOG GPU
VAZ) 29,463-411- 69-ABD

Illinois
GJN3JY/W9 27,216-486- 56-AB
K9RO 20,336-385- 52-AB
WA9AHZ 11,544-213- 52-ABD
K8IE/9 10,332-204- 42-ABD
W9IV/9 3325- 95- 35-AB
WB9MEK 237- 27- 25-AB
WB9SNR 2244- 88- 22-BD
WB9QBU 2160-108- 20-B
W9IFA 1800- 74- 24-ABD
WB9RKE 122- 33- 4-B
K9BDJ 90- 18- 5-A
W9ABA 64- 16- 4-B
W9NWE(+N9SS,WB9YUN)
19,955-52- 61-ABCD
N9NH(+WA9TYL,WB9S CLN RHW,
N9IS,WA9IY)
44,538-522- 78-ABCD
K9HDE(+K9K,WB9IWN)
33,215-495- 65-ABCD

Indiana
K9KFR 32,000-492- 64-ABD
WB9PWX 12,312-228- 54-AB
WB9NPL 10,668-254- 42-AB
WB9NE 8541-219- 39-A
W9CGI 5733-147- 39-AB
WA9MEM 2675-107- 25-A
WA9PKL 66- 24- 16-A
W9ERW 375- 25- 15-AB
W9CSF/9(K9DZE,WA9MSW,W9DS
BDR BLP,oprs) 7785-173- 45-AB

Wisconsin
WA9LZM 5600-128- 40-ABEF
WB9ROE 4144-112- 37-AB
WA9SUJ 3245- 55- 55-ABCD

K9XY 3150- 85- 35-ABC
WA9JFM 1053- 81- 13-B
WB9ACY 1053- 81- 13-B
WA9TFG 80- 16- 5-AB
WA9CUH(+WB9OAR)
4788-120- 38-ABD

Colorado
WA9TVZ 1968-123- 16-AB
WB9VGC 1240- 82- 22-BD
WB9GBI 341- 31- 11-A

Iowa
W9SI 11,438-301- 38-A
WB9ZXU 9100-179- 50-ABD
K9DAS 1430- 65- 22-BD
WB9SG 2175- 67- 25-BD
WB9RAP 798- 35- 19-BD

Kansas
WB9QDK 2730- 91- 30-AB
NBLL 2242- 96- 21-AB
W9QOA 480- 40- 12-B
W9RT(+K9OBY)
1008- 52- 18-BD

Minnesota
WB9PMV 2132- 82- 26-A
W9VB(+K9S IN SE TS,W9RGU,
WA9S QWY ULE,WB9MBD RSW
UIP,W9DFCX)
16,940-304- 56-ABD

Missouri
WB9PKN 8840-170- 52-AB
WB9JRP 3920-112- 31-AB
WB9UFQ 3480-145- 24-B
WB9VTA 2240- 70- 22-AB
WB9RWH 1232- 56- 22-AB
WB9KC 646- 34- 19-AB
WB9OGK 209- 16- 11-BD
WB9BN 2- 2- 1-A
W9ZZS(+K9TLM,W9BCE,WA9S
EEU WPJ) 15,812-248- 59-ABD

Nebraska
WA9MRH 7880-197- 40-AB
W9OHP 1092- 52- 21-AB

North Dakota
WA9CSL 1600- 62- 25-ABD
K9ALL(+WA9S HBN KSB ZOK)
3623-117- 46-AB
WB9IB/8(+WB9CZR,WA9EWW,
WB9GFW) 544- 34- 16-AB

South Dakota
K9VXM 3424- 97- 32-ABD
WB9ULX 180- 14- 12-ABD
WB9D(WB2VEY,K9S CG WM WA9S
NRE GLP UFS,WB9S AFY ZLK,
oprs) 15,529-293- 53-AB