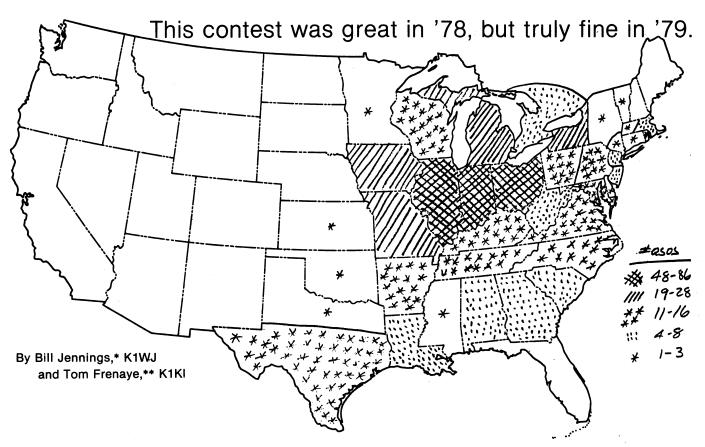
# Results, 1979 ARRL September VHF QSO Party



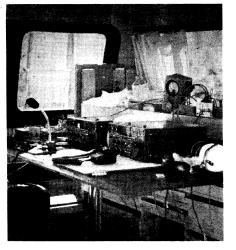
Mike, W9IP, likes to plot 2-meter QSO density by section on a map, after the contest, to see where the action was.

When things are bad, they're very bad, but when things are good, they're great. Pardon our taking the liberty to "adjust" that old saying to describe the increased participation (in terms of entries submitted) and those FB conditions, especially that dandy tropo that intensified late Sunday evening, extending from Northern Texas through Northern New England. Those "things" were great.

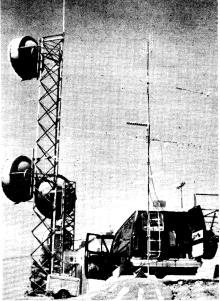
The 422 entries received for this September contest are not only an increase of 25 percent from the 338 logs checked in 1978, but represent the largest turnout since 1963.

When we say that individual and multiop division records were broken we're putting "gross understatement" in a new category. Check the division leaders' box for yourself. See all those asterisks? Each call sign that has an asterisk after it has broken the previous alltime division record and now holds the new record for that particular division. Mind you, these are now the record holders, not counting all those in the same ARRL division that also broke the old division record but were just shy

\*Communications Assistant, ARRL \*\*Assistant Communications Manager, ARRL



W6SFH and WA6KOD multioped from 'KOD's "portable shack" from the Sacramento Valley Section. They relate, somewhat unhappily, that those dishes on the tower next to the van belong to Western Union and were not used during the contest.



of the score submitted by the new record holder.

The overall, all-time, single-operator high score is just slightly over 102K points (yes, you read that correctly — 102 with three 0s after it) by N6NB. Wayne operated portable from Vermont, and we don't think that it would be improper to mention that a single-operator score of over 100K points had never before been achieved in *any* ARRL VHF contest. To make our point a little clearer, scan the score listings and the scoring leader boxes in this report and see how many single operators managed to break K1FO's one-year-old, 45K-point, singleoperator high score for the September contest.

The multioperator stations were not about to be outdone by their single-op counterparts. Those starred call signs, denoting new all-time division leaders are as plentiful on the multioperator side of the division leader box as on the single-operator side. It might be casually mentioned that a new all-time-high multioperator score appeared in the September bash. Ho hum, another of those giant multis from the Northeast found a "bonus opening" on 432 while everyone else was asleep? Not quite. The Roanoke Division multiop leader is also the all-time multiop leader. Who? Who else? W4BFB. After several frustrating years of good solid effort, some "nice try - but, wait 'til next year," division, but not overall, winning efforts, the gang from the Mecklenburg ARS got down and got hot to the tune of better than 190,000 points. After "well done," what else need be said? The 175K-point score at W2SZ/1 "ain't no shabby effort." 'BFB, 'SZ, and the old WA1MUG group (from whence evolved the W2SZ team) are the only multiop entries to ever break into that magic 100,000 point circle in September.

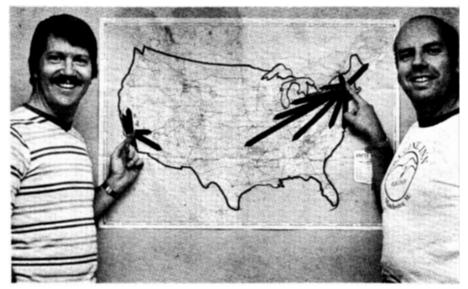
Ted Goldthorpe, WA4VCC, vice president down at Mecklenburg, sends the following narrative on how the winning effort really came together. "The goal was set. Over 70,000 points were needed to comfortably take a 12-year-old record for the Roanoke Division. WA8PLZ, the Drake Radio Club, signed portable 8 in WV and came home with 67,000 points. 'BFB wanted that record, to own all three contest certificates (January SS, June and September VHF QSO Parties) for the Roanoke Division.

"Plans were made, the best equipment secured and permission obtained for us to be atop 6300-foot Roan Mountain for the contest. On Friday afternoon, September 7, 16 fired-up Mecklenburg operators began the assault on the North Carolina side of Roan Mountain.

"The first antenna was in place before nightfall on Friday and the last in place by 2:30 P.M. (local) on Saturday. Ten elements on 6 meters, 32 elements on 2-meter ssb, 14 elements and a Hustler G-7 on 2-meter fm, a Ringo Ranger on 220 fm, and 38 elements on 432. Whew!

"At 2:45 P.M. a procedural meeting was held by the group and operating schedules were handed out. At 2:57, those on Roan Mountain heard a loud cheer carry across the mountain and at exactly 3, four stations were going fullbore.

"How were conditions? Unbelievable. Right off the bat, the 2-meter station had Midwestern stations stacked up waiting to work us. By 3:30 P.M. the 220 station had logged seven states. By midnight on Saturday, we were still caught up in our frenzy of enthusiasm; it sounded like a pep rally. Over 70,000 points were now in the bag and a new goal of 100,000 points was established.



Who said "east is east and west is west and never the twain shall meet"? N6VI (left), the top single-op scorer on the West Coast in the September Party meets "Mr. 10<sup>5</sup>," N6NB, who came up with the first-ever 100,000-point single-op score in an ARRL-sponsored vhf contest, just back from his successful contest operation in Vermont. Martin ('VI) and Wayne got together after the contest to compare (see the arrows on the map) the difference in the DX each worked in the 'test.

Division Leader	s			
Single Operator			Multioperator	
Call	Score	Division	Call	Score
/E3BQN*	16,254	Canadian	VE3AEA/3	6798
VA2DPU*	45,360	Atlantic	WA3CPH/3*	52,298
W3NJY/W9*	35,310	Central	W9IP*	84,739
ØCJ .	1008	Dakota	KØSE*	10,492
/B4JGG*	28,424	Delta	WB4LHD/5*	58,050
VA8TTS*	33,495	Great Lakes	W8DJY*	53,382
B2WIK*	54,202	Hudson	WA2SNA*	98,746
ØIS*	20,119	Midwest	KØTLM*	7470
6NB/1*	102,795	New England	W2SZ/1*	175,835
A7RTA	2641	Northwestern		
6KLY	5084	Pacific	W6SFH/6	1734
4CD*	14,112	Roanoke	W4BFB*	190,210
-	_	Rocky Mountain	NØKV*	2970
VA4EWA*	9108	Southeastern	W4VO*	24,426
16VI	21,756	Southwestern	K6MEP*	18,960
D5FZM*	6020	West Gulf	KA5AAW	1802
A1RJU*	8	DX		_

"The trend carried on through the night and into Sunday afternoon. The crew was dead tired, but enthusiasm kept the sandman at bay. The new goal was 200,000 points, but the bands had been worked out. Only stragglers were being logged. So the stations came down, one at a time, as individual band conditions



Number two, single operator, Eastern Massachusetts Section, WB1FUB.

dictated. At about 3:30 P.M., our last contact in the contest had been logged. At 5:00 P.M., now 20 strong, we left the mountain with 75 log sheets clenched in our tired, sweaty but happy little hands.

"Score? It's hard to believe but — over 190,000 points. It is interesting to note that some 1000 QSOs had been logged on 2 meters and a total of 115 section multipliers had found their way into the logs.

"Sure, the Mecklenburg ARS, W4BFB, was happy with their performance, but you can't rest on your laurels, with at least a couple of dozen multioperator stations across the country capable of winning the whole ball of wax. Wonder how we can improve the operation for next year?"

Can you imagine what second thoughts may have occurred when the 'BFB gang got home and discovered that they missed the big tropo opening Sunday night? Other Southeastern stations were working 5s, 9s and 0s until the end of the contest. Scheduling required off time can be a difficult decision.

The Sunday night tropo seemed to be centered over the lower Ohio River Valley

#### Top Ten

Single Operat	or	Multioperator			
N6NB/1	102,795	W4BFB	190,210		
K1FO	62,128	W2SZ/1	175,835		
WB2WIK	54,202	WA2SNA	98,746		
WA2DPU	45,360	K2OWR	92,204		
GW3NJY/W9	35,310	W9IP	84,739		
WA8TTS	33,495	WA4WZQ/4	80,352		
WB4JGG	28,424	K2GE	64,657		
K1PXE	28,045	WB4LHD/5	58,050		
WA2FGK/2	26,940	W4ATC	53,977		
WA1NGR/3	22,632	W8DJY	53,382		



KØTLM (front) and WBØDRJ, 2-meter and 70-cm stations, respectively. KØTLM, multiop, Missouri.

where even the low-power stations ran up the

multiplier totals. Those on the edge of the tropo, WB5LUA in the Southwest and

N6NB/1 in the Northeast, had to rely on the

kWs or altitude to pick up the numbers. The tropo was bounded by the remnants of Hur-

ricane David, over the Canadian Maritime pro-

vinces; Hurricane Frederick just moving south of Florida and a cold front trying to sweep

Who would have guessed that 430 MHz

would outdo 50 MHz in the September con-

test? The biggest 430 multiplier came out of

MO where NØIS snagged 30. On 2 meters the

big totals came from NC (W4BFB), IL (W9IP)

down across the Plains States.

and Western NY (K2OWR).

	50 MHz	144 MHz	220 MHz	430 MHz	1215 MH*	10 GHz
N6NB/1	193-27	502-31	58-18	78-25	4-4	
W2SZ/1*	348-28	667-30	78-18	140-26	25-12	1-1
WB2WIK	187-29	318-27	33-10	45-16		
WA2SNA*	239-25	372-26	105-18	76-21	15-7	
WA1NGR/3	102-20	80-21	22-10	48-16	2-2	
WA3CPH/3*	214-27	344-32	<del></del>	52-20		
WB4JGG	88-31	248-33	—	19-12		
W4BFB*	345-34	1017-39	78-16	68-26		
WA5FDF	5-2	235-30	—	4-4		
WB4LHD/5*	165-28	380-33	_	65-25		
N6VI	53-11	291-11	87-5	26-7	6-3	
K6MEP*	65-9	297-7	205-5	9-3		
WA7RTA	42-9	46-5	9-2	12-2	3-1	
K7UA/7*	2-1	60-2	4-1	1-1		
WA8TTS	153-26	166-25	5-1	53-25		•
W8DJY*	148-30	319-25	35-6	57-21		
GW3NJY/W9	92-17	311-25	_	66-24		
W9IP*	144-32	515-38	17-7	73-24		
NØIS		191-29	_	75-30		
KØSE*	86-23	114-11	4-3	18-6		
VE3BQN	35-21	168-21	6-5	40-17	2-2	
VE3AEA/3*	71-13	101-13	_	17-7		
*Indicates mult	ioperator stati	on				

Sure is nice to have a contest weekend fall on the same weekend as the good propagation.

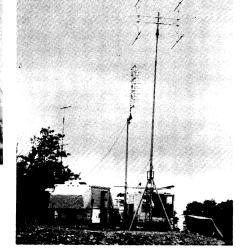
Don't forget to send an s.a.s.e. for summary, logs and dupe sheets for the 1980 VHF SS - January 12-13, 1980.

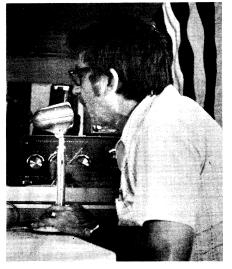
## SOAPBOX

Where were all the 220 and 440 "fmers"? Worked only one Virginia station on each band on simplex (W3MSN). The *big* opening really didn't get here until midnight on Sunday. I ran out of time at 0142 local and the opening really got cooking about 0200 local (K1FO). Conditions below average but 432 activity was very good. It was really frustrating to listen to WNY and Southern ON working W5s on Sunday night (VE2DFO). Our operation was portable (battery-powered) from Mt. Sedgewick, NM. Band conditions and activity in the Albuquerque area generally very poor. Longest DX was to Phoenix, AZ (WD5GNW/W02YF). Had a great time with the tropo session even though the rotator had quit. Having a 15-degree beam width makes it tough (W2AV). Lost 42 minutes on the first night in having to explain to the police what I was doing and why (WB3ERE). Even though no contacts were made, the enthusiasm of the Phoenix 1296-MHz operators for conducting tests was very encouraging (W7LUX). This vhf contest came in an off-year for me. Hurricane David did in my 144-MHz beam, so I mainly played around on 432 (W1JR). I wish more of the participants would submit logs after the contest. I won top spot in the SF Section for the June contest. I won top spot in the SF Section for the June contest. I won top spot in the SF Section for the June contest. I won top spot in the SF Section for the June contest. I won top spot in the SF Section for the June contest. I won top spot in the SF Section for the June contest. I won top spot in the SF Section for the June contest. I won top spot in the SF Section for the June contest, but I only had one other competitor, thus didn't feel too overwhelmed by the accomplishment. There were many other stations on here in the section that seemed to be doing real well in June, but I guess none of them sent in their logs. Hopefully we'll see better results this time! (WB9LOZ). Highlight of the contest was working WA4WZQ/4 in NC on 220 with 10 watts fm and a small Yagi (distance covered — 483 miles) (AC3T). Propagation conditions on 6 meters were rather disappointing. Heard KØSE in MN plus two IA stations on brief bursts of scatter at approximately 0200 UTC on September 9, but that was it as far as openings were concerned (WA1GDR). My first VHF QSO Party from the home QTH — seems strange not to be signing VETASM/7. Heard Oregon on 432 but no QSO. No enhancement on 432 — poorest weekend for some time. More activity on 432 and 2-meter ssb than on 6! (VETASI). I'm sure that many other operators in this part of the country experienced the same frustrations that we did, but this didn't help our morale any, knowing that the ops to the south and southwest of us had a monster tropo opening, while we apparently had a duct too high for us to use. I wish someone would explain why W4BFB should be so strong and consistent on 144 into MO, 1A, NE and KS, but nonexistent



The Bug Mountain Boys, WA3CPH/3. The players and the playing field. (From the left): Larry, W3IW, on 432; the station including 2  $\times$  4-elements on 6 meters, 80-element collinear on 432, and 4  $\times$  8-element Yagis on 2 meters; and Ralph, WA3QKM, handling the 6-meter operations.





Multiplier Lead	ers (Call	— Multiplier)									
50 MHz		W7YOZ	5	WA3CPH/3*	32	WD8RMT	22	K3LNZ/8*	7	WB4LHD/5*	25
W2SZ/1*	28	WA7ADK*	5	WB3FWF*	32	W9IP*	38	W8IDU	6	WB5LUA	22
N6NB/1	20	WA7WXI/7	5	K3ARN	31	GW3NJY/W9	25	W8DJY*	6	N5DL*	21
K1TOL	25	W8DJY*	30	WB3CZG*	30	K9RO	24	AA9D*	7	K6KLY	7
WB1FUB	23	W8VP*	27	K9MRI/3*	30	WB9NTL	23	W9IP*	7	N6VI	7
K1FO	24	WA8TTS	26	K3HCE	27	WD9EME	21	WB9SNR	4	W6XN	7
KA1BRD	19	K3LNZ/8*	23	K3HZO	27	K9UNM	20	WBØPKN	3	WB6ESQ	7
K1FWF	19	W9IP*	32	K1GSR/3	27	N9AZC	20	KØSE*	3	WB9KMO/6*	6
K1MON*	19	W9ZX*	26	W3ZR	27	W9ZX*	20	VE3BQN	-	K7ND	3
W1XM*	19	K9RO	19	WB2DNE/3*	26	NØIS	29	VE3BQN	5	W7YOZ	3
		GW3NJY/W9	17	W4BFB*	39	WØFY	27				
K2OWR*	31			W4ATC*	35	AIØL	20	432 MHz		K8WW	27
WB2WIK	29	KØSE*	23	WA4WZQ/4*	35	WØRT*	17	W2SZ/1*	26	WA8TTS	25
WA2WVL*	28	KØTLM*	20	WB4JGG	33			N6NB/1	25	W8DJY*	21
WA2SNA*	25	WBØZKG*	19	WD4EKA/4*	28	VE3UH	34	K1FO	20	K8AT*	19
W2YX	24	WBØPKN	14	WB4IXU	27	VE3FGU	26	K1PXE	20	K3LNZ/8*	15
WA2DPU	23	VE1ASJ	22	WD4IIS*	27	VE3BQN	21	W1JR	18	K8DIO	14
K2CBA*	21	VE2DFO	22	W4VO*	25	VE2DFO	18	K1MON*	14	W8IDU	14
WA3CPH/3*	27	JA1RJU	4	WA4IPI	25	VE3FN	17	W1XM*	14	GW3NJY/W9	24
N3AHI	25			W3IY/4	24	220 MHz		K2RIW	25	W9IP*	24
WB3CZG*	25	144 MHz		WB4LHD/5*	33	N6NB/1	18	W2VC	23	WB9SNR	14
K9MRI/3*	23		•	N5DL*	30	W2SZ/1*	18	K2CBA*	23	NØIS	30
WA1NGR/3	20	N6NB/1	31	WA5FDF	30	K1FO	14	K2GE*	22	WBØTEM/Ø*	12
W3IWU	20	W2SZ/1*	30			K1PXE	13	WA2DPU	21	KØTLM*	11
W3KWH*	20	K1FO	26	N6VI	11	W1EJ ·	12	WA2SNA*	21	VE3BQN	17
W4BFB*	34	W1FJH	25	WB6ESQ	11	W1XM*	11	K2OWR*	20	VE3BQN VE2DFO	
WD4IIS*	32	K1WHS	24	K6BPC*	10	WA2SNA*	18	N2CB	18	VEZDFU	12
WB4JGG	31	K1PXE	23	K6KLY	9	K2OWR*	15	WA2FUZ*	17	1296 MHz	
WD4EKA/4*	29	W1BAT	23	W6YKM	9	W2EIF	12	WA3CPH/3*	20		
W4VO*	27	W1XM*	20	WA6ALA	8	WA2FGK	12	WB3CZG*	18	W2SZ/1*	12
WA4WZQ/4*	24	K1GVM	19	WB9KMO/6*	8	WA2FUZ*	11	K3IUV	17	W1XM*	8
WB4LHD/5*	28	WA1VUW*	19	WA7JTM	7			NJAHI	17	K1FO	7
N5DL*	20	K2OWR	37	WA7EPU	5	WA1NGR/3	10	K3IVO*	17	K1PXE	5 5
		W2YX	30	WA7RTA	5	WB3CZG*	8	WA1NGR/3	16	W1JR	5
N6VI	11	WA2FGK	29	K8AT*	30	W4BFB*	16	K3HCE	15	W1EJ	5
W6YKM	11	K2GE*	29	K3LNZ/8*	28	WA4WZQ/4*	12	K3HZO	13	WA2SNA*	7
K6KLY	10	K2QR	27	W8IDU	27	WA4IPI	8			W2VC	5
WA6HCI	10	W2AV	27	W8VP*	27	K6KLY	5	W4BFB*	26	W2EIF	5
N6AMG	9	WA2TIF	27	WA8TTS	25	N6DN	5	W4ATC* WA4IPI	26 22	K2CBA*	4
K6MEP*	9	WA2DPU	27	W8DJY*	25	N6VI	5	WA4IPI WA4WZQ/4*	22	K2GE*	4
WB9KMO/6*	. 9	WB2WIK	27	WB2DIN/8	24	W6YKM	5	WA4WZQ/4≁ K4QIF	22 17	K3IUV	4
WA7RTA	9	WA2SNA*	26	WA8SQL	22	K6MEP*	5	W3IY/4	17	K4QIF	5
W7KNT	5	WB2RRK*	26	WD8CTX	22	K6TZ*	5	WA4EWA	14	W6XN	5
						WB9KMO/6*	5	W4VO*	13	WB9KMO/6*	5
the discharge second	lanaurt							WB4JGG	12	W6SFH/6*	4
*Indicates multiple	lioperato	or station						VV D4JGG	12	1031110	4

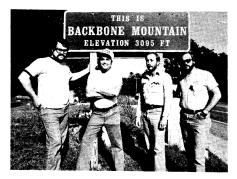
on 432 MHz. The main redemption for our score was on 432 MHz. The main redemption for our score was 50-MHz meteor-scatter, which was really quite good (KØTLM). In spite of no big 6-meter openings, we did quite well. Two meters and 432 seemed to be helped along by the hurricane activity (WA3CPH/3). Although mine was strictly a single-operator effort from Mt. Equinox in Vermont, I don't think that I could have made it without the pre- and post-coultest could have made it without the pre- and post-contest logistics and morale support of people like W1SL, WB2W1K, K2OWR, KB2M and N2ADH (N6NB/1). One group out here was told about their very poor signal quality *before* the contest began, but still they chose to start the contest putting out a very distorted signal. Maybe in future contests if everyone will avoid making contact with those ops who have distorted signals, then they will get the message (WB5JAR). This was the first time we have been at a decent location for the contest. It is amazing what you can work on the vh6 bands when you are not *behind* a moun-tain. The high point of the weekend was working WB9KMO/6 in the Santa Barbara Section on 1296, using about 1 watt of power (distance about 250 miles) W495EU. Condition were upper with only a very (W6SFH). Conditions were very poor with only a very short opening on 6 meters Saturday night. Mostly scatter contacts on 6 anyway. Highlight was 2-meter EME QSO with K3NSS, which only took 10 minutes. We had 1296 all set up and ran several schedules but no luck. Our best effort ever in terms of participation - 14 ops. We also had our local radio club pic-nic/meeting at our contest site thereby exposing the rest of our local amateurs to a full scale vhf contest efrest of our local amateurs to a full scale vhf contest ef-fort (KØSE). Near the beginning of the contest, we heard a W7 under a pileup of Midwestern stations. They (the Midwestern stations) did not hear him. The nearest W7 to our location would've been a 1400-mile drive to Cheyenne, WY . . . WB5LUA and K4Q1F heard us off the moon . . . we had line noise and clos-ing clouds so we were unable to copy WB5LUA (with whom we had a sked). Could hear K4Q1F well enough to tape and use as a good EME tape . . . WB5LUA removed all of his preamps and heard us in Dallas, TX, on a Bic pen stuck in the mixer input



W9IP and K9AKS atop the 120-foot wooden tower near Champlain, IL. The antennas are six elements on 6 meters, eight-element Quagi on 220, four  $\times$  five-element Yagis on 2 meters, and 16 elements on 432. The third op at W9IP was Emil, W3EP, who took the photo and still had all those stairs to climb.



Dick, WB2BXP, is attaching the converter to the 1296 dish for W2SZ/1 on Mt. Greylock in Western Massachusetts. Dick has been the man in charge of planning the W2SZ/1 contest strategy.



The K9MRI/3 mob from the left are Joe, K9MRI; Wayne, K9SLQ; Bill, K9TVZ and Larry, WD9FAO. Considering the 30 multipliers on 2 meters and the 23 multipliers on 6, it appears to have been a pretty worthwhile trip up to Backbone Mountain in Maryland.



WA4MMP/1, Rhode Island.



At multiop station, W9CSF/9, Indiana, K9DZE operates the station while AG9S goes in for a little relaxed kibitzing.



That Signal/One, CX-7 and Hallicrafters HA-2 Transverter feed a KLM 13-element, long-boom antenna. Howard, WA3EOQ, does 2 meters for K3LNZ/8 - number-one multiop station from West Virginia.

(WD4MBK/W4ATC). Before this, my first mountaintop contest, I expected fierce QRM, frayed tempers and lots of jamming. However, I found widespread "big signals." I don't think I made any enemies and I know that I made some friends (N6VI). After the tropo started on 2 meters, I believe we worked every W8 and W9 there is. Very lucky that the opening shifted to the east, which gave us four more sections on 2 meters. Before it was over, we had *fed* the 432 amp at least 10 diodes (WD4IIS). Six meters was rather quiet, little scatter until early Sunday morning, 1000 UTC. Two meters was unbelievable, W4VO, W4BFB consistently S-9 for almost the entire contest. Two opened up Sunday morning and late Sunday evening to TX and the northeast — QRM all over the band . . . 432 put on the biggest show of 'em all! Sun-day morning called CQ Contest and W5LDV comes back from South Texas (1000-mile path) S-8 to S-9 . . . I've never heard a band opening on 432 like this. We vortheard K8AT make a sked on 2 meters with N6NB/1 for 432. They moved up to 432.150, we listened, and to our surprise, he was in there about S-3. As soon as Kelly signed, I called him and he came back for my first 432-VT QSO. I'd like to tell him how well his 432 quagis work, all eight of them (W8DJY). We think that our section total of 38 on 2 meters is a new record for that band in any ARRL vhf contest (unless someone did better in this contest). All that, and we didn't work a couple of sections that are usually within range from here in central Illinois (NE, SD). It would have been nice to have gotten them (40 secit would have been have been have to settle for 38 this time around (W9IP). Last June, the guys east of me had the tropo and this September the guys west of me had the good conditions. Maybe one year it'll be my turn! (VE3FN). After suffering some problems with mountain sickness last year (due to long-term oxygen deficiency operating from Pike's Paek advection deficiency, operating from Pike's Peak – elevation 14,110 feet), we decided to try some supplementary oxygen this year. Several of us slept a few hours on Saturday night with about two liters of oxygen flow and were able to get a lot more rest than is otherwise possible. Even so, manual dexterity needed for keyer possible by the so, intail determined to keyel operation degraded pretty baddly by late in the day on Sunday! (NØKV). Murphy dealt us his worst blows this time (no relation to my helper Mike Murphy, WAIVKO!). The 144-MHz-amplifier power supply shorted out, two VFOs completely ceased to oscillate, the 432-MHz exciter blew up in a cloud of thick black smoke, and the 220-MHz transverter never got off the ground. January should be better, because it couldn't be any worse (AF1T).

## FEEDBACK

Reference December 1978 QST, page 89. Through no fault of theirs, the New Hampshire multiop score of WA1TZV and WA1TFH (operating WA1TZV) was omitted from the score listings of the 1978 ARL September VHF QSO Party. The line score should read: 17,595 - 291 - 51 - ABCD. Again in the 1978 September contest, correct the line score of WA4WZQ/4, multiop in North Carolina to read as follows: 6300 - 193 - 28 - ABCD. WA8TTS should have been credited with a score of B 304 - 309 - 52 - ABD for his Great Lakes Division

18,304 - 309 - 52 - ABD for his Great Lakes Division leading effort from OH.

In the sorting of the January '79 VHF Sweepstakes WD4LGR was attached to another entry and overlooked. Credit Woody with a score of 13,680 - 176 26 - ABD and a very slim victory over arch rival KA4DCZ.



WBØRMT, number two, single operator, Iowa Section.



Weather Satellite photo from Tiros-N taken early on September 11. Hurricane Frederick can be seen about 200 miles west of Key West, FL. The remnants of Hurricane David are just off this photo, to the north and east of Nova Scotia. Tnx, David and Frederick, for some FB condx for the contest. (Thanks to W4TNT for the photo)



K2MM learns that you handle a 96-element 2-meter array with kid gloves. W2SZ/1 multiop.

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-430 MHz, E-1215 MHz, F-2.3 GHz, G-3.4 GHz, H-5.7 GHz, I-10 GHz).

U.S.A.	WB2NCF 2223-171- 13-B WA2KKZ 36B- 23- 16-B WA2SNA(AG2N,K2BJG,KA2S AVA EPL FWB,N2AAZ,W2S	4	K6LPF(+AA6DD,N6ME,WA6s BFH TRW) 2640-150- 12-ABC	9 Illinois
1	UPK WB25 APS ICP I HG OFA	Alabama WA4EWA 9108-115- 46-ABD	Santa Barbara NGVI 21,756-463- 37-ABCDE	GW3NJY/W9 35,310-469, 66-ABD
Connecticut	WD2AA1,oprs) 98,746-807-97-ABCDE K20WR(+AC2U,K2s JWE XR, KB2M,N2ADH) 92,204-840-89-ABCD 92,204-840-89-ABCD	WA4FHY 84-12-7-B Georgia	K6LMN 654-109- 6-B K6MEP(AC6I,K6s ELQ VMN,WA6s DJS IJZ,oprs)	
K1FO 62,128-563-88-ABCDE K1PXE 28,045-288-71-ABCDE K1EM 12,188-248-44-ABD	KB2M,N2ADH) 92,204-840- 89-ABCD K2GE(K2s FD GIC JAS KFE VVE	WA4NJP 6560-160- 40-ABCD W4ISS 612- 25- 17-BD	18,960-576- 24-ABCD K6TZ(+K6LPZ,WA6s KTZ MBZ SRJ VNN,WB6s HOZ RIJ OUZ,	K9MBA /801-242 29-BD   WB9SNR 6592-133-32-BCDI   WB9QBU 2950-103-25-BD   WB9QBL 532-38-14-B   W9ABA 459-51-9-B   W9IFA 300-24-10-ABD   W49AHZ 48-4   W90AHZ 48-4
MBIALW 11,832-299- 34-BCD WBIALW 11,832-299- 34-BCD WAIUQC 8028-207- 36-ABD W9KDR/1 5460-113- 39-ABCD	YSR ZGF,K3GNZ,K9ZBV,KA2s AVV BCS BTA CYZ FQG, KB2FE,N2AAR,W2s AZL TIN,	W4W1A 455-55-13-B W4SJI 72-12-6-A N4UZ 24-12-2-B W4VO(K44 AFK CK5 W045 KD1)	oprs) 9840-275- 24-ABCDE WB9KMO/6(+W6OAL,WA6EJO) 9207-194- 33-ABCDE	WA9AHZ 48- 12- 4-A W9IP(+W3EP,K9AKS)
KA1BRÓ 4669-161-29-AB WA1ZNT 3666-141-26-AB KA1BU 1950-130-15-B K1VMI 1695-113-15-B	WA2s GUM NXK CHN OJH BGG YWA,WB2s NXK OJL ONA BUR SNN QMK UYX,oprs)	WAANJP 6560-160-40-ABCD W41S5 612-25-17-BD W4WTA 455-35-13-B WA4VTA 455-35-13-B W44VCJ 24-12-6-A W44VCJ(K43-AEK CK5-WA25K KPU LXUJWB45 AEK CK5-WA25K KPU LXUJWB45 AEK CK5-20-69-ABCD WD411S(+WA40CYH,WB4NMA) 22.190-299-70-ABCD	WD6AGY(+WB6WGI) 924- 53- 14-ABC	WA9AHZ 48-12-4-A W9IP(+W3EP,K9AKS) 84,739-749-101-ABC( W9ZX(+WB9s PZC VDV) 16,008-260-58-ABD AA9D(+WD9FBQ)
K1VMI 1695-113-15-B W1WHL 1456-91-16-A WA1GTP 1440-60-24-AB	K2GE(K25 FD GIC JAS KFE VVE YSR ZGF,K3GNZ,K9ZBV,KA25 AVV BCS BTA CV2 FQG, K82FE,N2AAR,W25 A2L TIN, WA2WB2S AXK CHN OJH BGG YWA,WB25 NXK OJL ONA BUR SNN QMK UY2,0073) 64,637,657 WB2YHW+KA2BNF,WA2UZW, WB2WAB) 3730-252-15-B	22,190-299- 70-ABCD Kentucky	Santa Clara Valley K6KLY 5084-135- 31-ABCD W6XN 3749- 99- 23-BCDE	AA9D(+WD9EBQ) 8240-186- 40-ABC Indiana
NIQG 672- 36- 13-A NIQG 672- 36- 14-ABCDE KITHP 594- 54- 11-B	Southern New Jersey	WA4IPI 19,432-258- 56-BCDI K4UKI 1328- 83- 16-B	WA6GYD 2457- 80- 21-ABDE	WB9NTL 8480-201- 40-ABC
WB1CZX 161-23-7-B W1XX 92-22-4-BC WB8PBC/1 39-11-3-BC WA1VUW(+G8EKB/W1)	WA2DPU 45,360-456-81-ABCD W2EIF 22,540-252-70-ABCDE WB2SZK 11,596-172-52-ABCD WA2KOK 5889-139-39-ABCD	WD4EKA/4(+K4LSP,W4VBH,WA4s CBX KMG)	WAGHCI 2300-91-20-ABD WGYX(W8ZI,opr) 2023-108-17-ABD K6MPN 224-32-7-B AJ6T 152-19-4-D	K9DZS 2697-93-29-AB WA9PKL 2610-90-29-AB WB9FNR 1001-68-13-BD
14,670-309- 45-ABDEI	K2JF 3444-164-21-AB WB2NPE 2120-106-20-A W3CXU 1440-36-20-CD N2ALA 780-78-10-B	24,795-435-57-AB North Carolina	San Diego	K9UNM 660- 33- 20-B W9LTU 525- 35- 15-B N9AZC 420- 21- 20-B
Eastern Massachusetts W1JR 12,264-135- 56-ABCDE WB1FUB 873-203- 41-ABD W1GXT 7371-134- 39-BCDE	KN2QWO 220-55-4-B	WB4IXU 8036-187- 41-ABD WB4HFL 840- 56- 15-AB W4ZZ 403- 31- 13-B	KB6GU 145-29-5-B San Francisco	N9AWJ 185.37 5.8 N9AWJ 185.37 5.8 WB8HUC/9(+WB8S GEU GEX GEW GEY GFA,WD8MQG,oprs) 7425-225.33.4B W9CSF/9(AG9S,K95 DZE ET URA,KA9BSL,WB9YHH,WD9s BDR BLP EIX.0prs) 6169-185-31.ABD
WB1FKF 5010-138- 30-ABCDE	WA2DKB(+KA2CDF,N2AZŸ, WA2HEB,WB2s JGQ,VWW) 4305-106- 35-ABCD	W4BFB(AA4SC,AA4ZZ,K4S SLC LVV RVW MQG SE,KK4L, KD4E,WA4s VCC ZQQ,WB4s PCS ZND QCS FDU TLX,WD4s	WB9LOZ/6 288- 32- 8-BC San Joaquin Valley	V9CSF/9(AG9S,K9s DZE ET URA,KA9BSL,WB9YHH,WD9s BDB BL PLY OVEL
K1FWF 3969-141- 27-ABD WA1AYS 3952-134- 26-ABD W1FJH 3350-134- 25-B	Western New York K2LWR 18,019-487- 37-B K2YCO 15,022-210- 58-ABCDE WA2IKO 8094-194- 38-ABCD	PCS ZND QCS FDU TLX,WD4s FPL ABZ LMM JWO,oprs) 190,210-1508-115-ABCD WA4WZQ/4(+K4 YBC,KA4HKK, WA4WZP,WB4HHE,WD4GQU)	W6YKM 3360- 81- 30-ABCD WA6ALA 424- 53- 8-B	6169-185- 31-ABD Wisconsin
N1AIS 1428-102-14-B K1DAT 720-45-16-AB WB1FOD 616-56-11-AB W1AY 333-21-9-BD	K2GK 7760-165- 40-ABD	WA4WZQ/4(+K4YBC,KA4HKK, WA4WZP,WB4HIE,WD4GQU) 80,352-757-93-ABCD	Sacramento Valley W6SX 8- 4- 2-B	WA9KGQ 2040- 76- 24-ABD WA9CUH 1248- 67- 16-ABD
W1AY 333-21-9-BD W1XM(AG1E,K1MK,W1XG, WB2TXI,WA4TTG,oprs) 42,696-470-72-ABCDE	W2PGC 7416-176- 36-BD K2LZF 7100-120- 50-ABCD WA2TIF 6858-254- 27-B	Northern Florida W40DW 1520- 69- 20-ABD	W6SFH/6(+WA6KOD) 1734- 67- 17-ABDE	WD9ACY 792-88-9-B N9AV 781-71-11-B WA9LZM 507-31-13-ABEF
W1XA(+WA1UMA) 1275- 85- 15-AB N1AMF/1(+K1LPJ,WB1GZM)	W2AV 4428-164- 27-B W2VO 3875-125- 31-AB K2QB 2700-100- 27-B	South Carolina	Hawaii KH6FLD 80-16-5-AB	K9XY 492- 35- 12-ABC N9TD 297- 33- 9-B
793- 61- 13-B Maine	W2DUC 2178-121- 18-AB WA3EFE 1664-104- 16-A W2AET 1377- 78- 17-ABC	N4DT 6320-145- 40-ABCD K4GMJ 1056- 48- 22-AB Southern Florida	7	Ø .
K1WHS(K1LL,opr) 9396-131-54-ABCDE	W2JGL 2176-121- 16-AB W2AET 164-104- 16-A W2AET 1377- 78- 17-ABC WB2ELB 945- 53- 15-BD W2WGL 936- 52- 18-B K2JIQ 528- 44- 12-B	K1FJM/4 15- 5- 3-AB	Arizona	Colorado NØKV(+K4AJQ,KB5KD,AAØL, KØYXC,NØ5 BZ DV,WØYNE) 2970-128- 22-ABCC
K1WH5(K1LL_007) 9996-131- 54-ABCDE K1TOL 2700-108- 25-A WA9NG0/1 333- 37- 9-B K1M0N(+K13 BA CE 10 KEC, NIXO,WA15 KES PBU RCY TFH TZV,WB1AAF,WA2NKL) 29,016-337- 62-ABCDEI	WP2151 49 7 7 0 P	Tennessee WB4JGG 28,424-355- 76-ABD	WA7JTM 320- 40- 8-AB W7LUX 140- 22- 5-BD WA7EPU 80- 8- 8-ABD	2970-128-22-ABCC KØIPH(+ACØY,KAØDEH,KBØCY 188-45-4A-ABC KAØDGV(+KAØSCPM DGT DGU
	WA2WVL(+K2LOU,W2s CN5 IOG,WA2GTK,WB2JLR) 30,168-381-72-ABCDEI WB2RRK(+WA2YFB,WB2s FFY KENIMWFYIK)	WB4JGG 28,424-355- 76-ABD AF4K 5017-165- 29-ABD WA4QYK 1360- 64- 20-ABD WA4DFS 1035- 69- 15-B NAVC(A 210- 21- 10-0	ldaho WA7WXI/7 144- 18- 8-AB	156- 52- 3-AB
New Hampshire W1EJ 20,996-281- 58-ABCDE AC1J 11,025-209- 45-ABCD	KFN MB YIK) 21,420-329- 60-ABCD WB2UEE(KB2I,WA2CJT,WB2s BGI KLO,oprs)	N4VC/4 210- 21- 10-A W4TZG(+WA4KJY,WD4EEI) 6384-145- 38-ABCD	K7TAK 20- 5- 4-A Montana	lowa KAØCSI 1496- 85- 17-ABD WBØRMT 1215- 81- 15-AB
ACIJ 11,025-209-45-ABCD W1JSM 1072-67-16-B WAIGDR 658-47-14-AB AFIT(+WA1VKO)	15,012-240- 54-ABCD WA2ZJF(K2RKW,KA2DON, WA2DOC WB2: EED M/Z NEB	Virginia N4CD 14,112-268- 49-ABCD	W7KNT 308- 44- 7-AB	WBØTEM/Ø(+KØVXM,WDØFOY) 5208-159- 31-ABCC
	w20w(K20C,N2HR,W2IE, W20w(K20C,N2HR,W2IE, WA2RBJ,WB2SG,oprs) 5053-154-31-ABCD	W3IY/4 11,076-184- 52-ABD K4QIF 2850- 51- 30-BDE N4AJO/M 1701- 77- 21-BD	Nevada K7NV 6-3-2-A	WBØZKG(+AKØP,WDØELF) 3770-130- 29-AB Kansas
WB1CAG(K12JY,N1ARR, WB1S FGV FGW HJO,oprs) 1122-66-17-AB K1TK/1(+K1S OGF UR,N2AWG, WA1YOJ) 430-43-10-B	5053-154- 31-ABCD	KA4CKI 1680-84-20-8 N4APK 144-16-9-A W4ATC(AA4s NC OO,WA4OFP, WB4TQD,WD4s AH5 MBK,oprs) 53,977-619-77-ABCD	Oregon WAZRTA 2641-112- 19-ABCDE	WØQOA 400-40-10-B NØLL 352-32-11-AB KAØAEA 161-23-7-B
Rhode Island	3	53,977-619- 77-ABCD	W7TYR 1584- 98- 12-ABCDE K7HSJ 1060- 75- 10-ABCDE W7UDM 1001- 69- 11-ABCDE	WØRT(+KØOBY) 4200-142- 28-ABD
WA1PBR 3850-100- 35-ABCD W1BAT(K8BGZ,opr) 3266-142- 23-B	Delaware WA1NGR/3	5	N7DB/7 180-22-6-ABCD WB7TYR 22-11-2-B Utah	Minnesota KØCJ 1008- 49- 14-ABD
WA4MMP/1 2496- 96- 26-AB K1DS(+K1GNW,W1OH, WA1HYN) 14,805-276- 47-ABCD	22,632-254- 69-ABCDE AC3T 360- 27- 10-BC W3BNN/3(+K3HVG)	Arkansas WA5FDF 8928-244- 36-ABD	K7UA/7(+K7JL)	KØCJ 1008- 49- 14-ABD KØSE(+KØG)X,WØS VB RGU JE OHU,WAØS QWY ULE,WBØS MBU ONK,WDØS FCX HEB,NØAVB, KAØEDF) 10,492-222- 43-ABCU
WB1EUY(+KA1s BGG CJA) 2584-136- 19-AB Vermont	2992- 63- 34-ABD Eastern Pennsylvania	WB5JAR 1003-59-17-AB WB4LHD/5(KA4ADV,WA4NVM, WB4s CHZ NWE OVT,WD4s GXI HD WD5FBX opro)	WA7ADK(+N7BHC,WB7QVZ) 336- 42- 8-AB Washington	Missouri
N6NB/1 102,795-835-105-ABCDE K1LPS 3852- 90- 36-ABCD W1AIM 3472- 99- 31-ABC	N3AHI 19,825-247- 65-ABCD K3IUV 9522-122- 46-ABCDE K3IWK 8924-178- 46-ABD N3MW 6612-133- 38-ABCD W3IIT 6138-173- 33-ABC W3IIIF 3596-72- 31-ABCDE	JHD,WD5FBX,oprs) 58,050-610-86-ABD N5DL(+N5BIM,WA5JEV, WB5JEY,WD5s CAN CAP) WB5JEY,WD5s CAN CAP	W7YOZ 2004-155- 12-ABCD K7ND 1027- 67- 13-ABCD	NØIS 20,119-266- 59-BD WØFY 5664-171- 32-BD WBØPKN 3335-102- 29-ABC
K1GAO 3335-145-23-AB K1GYT 1020-51-20-AB	N3MW 6612-133- 38-ABCD W3IIT 6138-173- 33-ABC WA3JUF 3596- 72- 31-ABCDE	39,824-479- 76-ABD Louisiana	W71DZ 9- 3- 3-AB Alaska	AIØL 2400-120- 20-B KØCB 1500- 66- 20-ABCC WBØTNX 900- 64- 12-ABCC
WA1LYR(K1EN,WA1KLB, oprs) 128-16-8-B	WA3JUF 3196-72-31-ABCDE W3ETB 2091-100-27-ABCD W3IWU 1820-71-20-A AE3T 1311-69-19-B	KA5BIY 697-41-17-AB WB5LBT(+W5DC) 1207-71-17-AB	WB4WXE/KL7 2- 2- 1-A	WBØGLT 660-44-15-AB WDØAPH 472-59-8-B KØTLM(+NØAJ),WØYZS,
Western Massachusetts K1WGN 6408-157-36-ABCD WB1ABF 4900-175-28-AB		Mississippi	8	WAØWPJ,WBØDŔJ,WDØHTC) 7470-140- 45-ABCI Nebraska
W1JP 4480-160-28-AB WA1WRM 700-50-14-AB WA1UWX 492-41-12-AB	W3AWA(WA3KET,opr) 42-14-3-AB WB3CZG(+WA2UKS,A13G,K3s MKZ SAE,KA3AQF,N3AVC, WA3NVS,WB3s ELY IWZ,oprs) 43.011-461-81.480.0	W5UCY 168- 12- 12-ABD New Mexico	Michigan W8IDU 7990-144- 47-BCD	WAQIWF 1836- 89- 17-ABCI WBQYSG 525- 30- 15-BD
WB1AKT 324- 36- 9-8	43,011-461- 81 ABCD WB3FXJ(+WB3GZE) 6792-254- 24-BC	WD5GNW(+WØZYF) 74-37-2-B	W8IDU 7990-144- 47-BCD WA8SQL 4352-136- 32-AB W88AAX 2470-130- 19-B W88TGY/8(+WA80JR) 10 AB	VE
KIJG W2SZ/I(KIDH,K2s MM TR, N2FU,W2GN,WAIs HCO UGE ZMA,WBICBH,WA2s FKS GFP, WB2s BXP CFP PKO QCJ, W639 BXP CFP PKO QCJ,	WB3FXJ(+WB3GZE) WB3JYO/3(+K3GQ,N3AMM, W3ICC,WA3ZPA,WB3FE) W3LP(W3s GFN,JJZ,OHS) S024157-32-AB W3LP(W3s GFN,JJZ,OHS)	Northern Texas WD5FZM 6020-172- 28-ABD	410- 41- 10-AB KA8FAS(+WA0TAQ) 125- 25- 5-B	Maritimes
WB28 BXP CFP PKO QCJ, WA8USA,oprs) 175,835-1259-115-ABCDEI	Maryland - D.C.	WD5FZM 6020-172-28-ABD WB5LUA 3038-57-31-ABD WD5HDM 2556-127-18-ABD N5BHZ 1026-57-19-B WB5KTC 110-10-10-ABD	Ohio WA8TTS 33,495-377- 77-ABCD	VE1ASJ 1798- 62- 29-AB VE1UT 1120- 58- 16-BD
2		Oklahoma	WA8TTS 33,495-377-77-ABCD K8DIO 7752-191-34-BD WD8RMT 5678-167-34-AB K8DW 4699-108-27-ABCD WD8MSF 4290-143-30-AB	Quebec VE2DFO 9568-160-52-ABD VE2KV 6720-198-32-ABD VE2BBK 1512-49-24-ABD
Eastern New York	K3HZO 7554-158- 41-BD	WB5CTS 1615- 75- 19-ABD Southern Texas	WDBRMT 5678-167-34-AB K&DW 4699-108-27-ABCD WDBMSF 4290-143-30-AB K&WW 3996-74-27-D WDBCTX 3991-333-27-AB WB8VSU 1387-73-128-AB NAAXAA 1326-63-28-AB NAAXAA 1326-64-28-0-84 WD050MME 1326-44-0-84	Ontario
W2YX 22,302-413- 54-AB WA2ANZ 2496- 98- 24-BC N2CB 2016- 56- 18-D K2CBA(+AG2X,KA2s APN DII	KIARN 5580-180-31-B KIARN 3627-108-31-ABD KIZJ 1494-83-18-AB WIMSN 440-38-11-ABCD WB3JUF 210-15-14-B	KA5AAW(+N5FO,WD5HPD, WN5GBX) 1802- 95- 17-ABD	N8AXA 1220- 61- 20-AB WD8QME 1192-149- 8-B WA8RCN 380- 38- 10-A	VE3BQN(VE3CRU,opr) 16,254-251-54-ABCI VE3UH 11,060-316-35-AB VE3FGU 9275-265-35-AB VE3FN 2625-86-25-BD VE3CKU 540-60-9-A VE3CKU 540-60-9-A
K2CBA(+AG2X,KA23 APN DI) EVC EXY,WA25 FPF OQN OUS, WB2MCO) 38.799-389- 81-ABCDE AF2C(+WB2GTP) 342- 38- 9-B	W35J0F 210-13-14-B W3ERD 81-9-9-B K9MRI/3(+K9s SLQ TVZ, WD9FAC) 37.620-547-66-ABD K3IVO(K3VDX,W3s FG IP,WB3s	6	WD8JPP 374- 17- 17-BC K8MR 78- 13- 6-B W8DJY(+N8TM,W8s FEJ ULC,	VE3FGU 9275-265- 35-AB VE3FN 2625- 86- 25-BD VE3CKU 540- 60- 9-A
AF2C(+WB2GTP) 342- 38- 9-B New York City - Long Island	EKH ICL, oproj	East Bay	WA8s BBR LXJ WXT,WB8s EEX NFJ,WD8JFR) 53,382-559-82-ABCD	VE3HAB 231- 33- 7-B VE3AEA/3(VE3s FDP HCI IQZ IRW,oprs) 6798-189- 33-ABC
K2OVS 6888-168- 41-AB K2BIW 5250-105- 25-D	WB3FWF(+WB3LJK) 7936-248- 32-B W3PGA(K3s FRX PHH ROJ YZY.	WB6NMV 1920-131- 12-BD N6DN/6 1340-106- 10-BC N6AMG 1072- 66- 16-ABD	W8VP(W5UA,K8S AL ZWF,KA8S G BDZ DUI DFX ERZ,W8PR, WA8S AHD FHF,WB8S ERB TSI TPK WD8S AHV K8S ERB TSI	VE3ESE(+VE3IXF) 670- 67- 10-B
WA25LY 3500-125- 28-AB KA2DTE 2115-141- 15-B WA2WZW 1110- 74- 15-B	16,165-243-53-ABCD WB3FWF(+WB3LJK) 7936-248-32-8 W3PGA(K3S FRX PHH ROJ YZY, N3s AID IT,W3S JDF VRD,WB3s AXP KUH,oprs) AC3F(+AC12) WB3FRB)	NGAMG 1072- 66- 16-ABD WD6FGA 2- 2- 1-B Los Angeles	WD8GMKE 1192-149-8.8-0 WA8RCN 380-38-10-A WD8JPP 374-17-17-8C K8MR 78-13-6-8 WBDJY(+N8TM,W8s FEJ ULC, WA8s BBR LXJ WXT,WB8s EEX NFJ,WD8JFR] 53.382-355-9 82-ABCD W8VPMVS3-33-82-35-9 W8VPMVS3-31-28-55-9 W8VPMVS3-31-28-55-9 W8VPMVS3-31-28-55-9 W8VPMVS3-31-28-55-9 W8VPMVS3-31-28-55-9 W85-41-40-40-40-40-40-40-40-40-40-40-40-40-40-	British Columbia VE7XF 666-649-ABD VE7ASI 165-24-5-ABC VE7UBC(VE7sBKX_CGG COR_
WA2FUZ(+WA2YJF) 20,088-239- 62-ABCD WB2RYY(+WA2YWP) 19,323-308- 57-ABCD	390- 39- 10-AB	W6ABW 1400-107- 8-BC	K8UZW(WA8GMT,WB8YTQ,WD8s IQJ RZG,oprs) 6633-201- 33-AB	VE7CSJ(+VE7s CDC CJG)
Northern New Jersey	Western Pennsylvania W3KWH(WA3FYJ,opr)	W6VIO(W6ABW.opr) 245-30-7-BC W6PFE 155-31-5-B WA6DCT 152-19-4-C W6CN 110-22-5-BC	K802W(WA8GM1,WB8Y1Q,WD8s IQJ RZG,oprs) 6633-201- 33-AB KA8EKH/8(+WA8WOB,WB8IOW, WD8s ALH LOP) 1037- 61- 17-AB	40- 20- 2-B
		WA6DCI 152-19-4-C W6CN 110-22-5-BC	West Virginia	DX
WB2WIK 54,202-583- 82-ABCD WA2FGK/2(K2LNS,opr) 26 040-420- 60-0BC	11,438-265- 43-AB WB2DNE/3 10,035-223- 45-AB W37D 961-227- 43-AB	WA6FMS 12- 6- 2-B		
WB2WIK 54,202-583-82-ABCD WA2FGK/2(K2LNS,opr) 26,940-420-60-ABC WB2WIH 9520-191-40-ABCD WA2CWA 9020-220-41-AB WB2Q0Q 7524-187-33-BCD		K6BPC(+WA6HZD) 6388-200- 24-ABCD	WB2DIN/8 9020-188- 44-ABD W8AEC 3393- 66- 39-ABD	Japan JA1RJU 8-2-4-A
WB2WIK 54,202-583-82-ABCD WA2FGK/2(K2LNS,007) WB2WIH 9520-191-40-ABCD WB2WIH 9520-191-40-ABCD WB2QOQ 7524-187-33-BCD W2VC 5488-93-28-DE W2VC 5488-93-28-DE WB2CUT 5280-220-24-B WB2CHTFH 3776-100-32-ABD WB2CUT 524-B	WB2DNE/3 10,035-223-45-AB W3ZR 10,035-223-45-AB W35FC 4118-129-29-BD W3CSA 1596-76-21-AB W35ER2,1596-76-21-AB W35ER2,1596-76-21-AB W35ER2,1596-76-21-AB W35CH/3(+KB2AH,K35PI, N3AGW,W31W,WA3GKM,WB3HHS) S2,298-610-79-ABD	K6BPC(+WA6HXD)		