

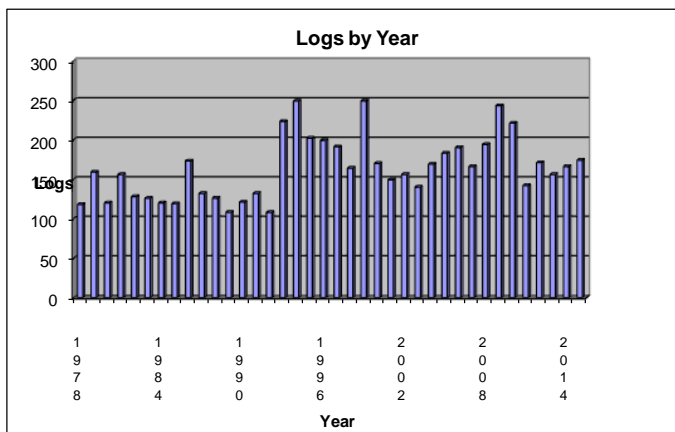


ARRL August UHF Contest 2015 Results

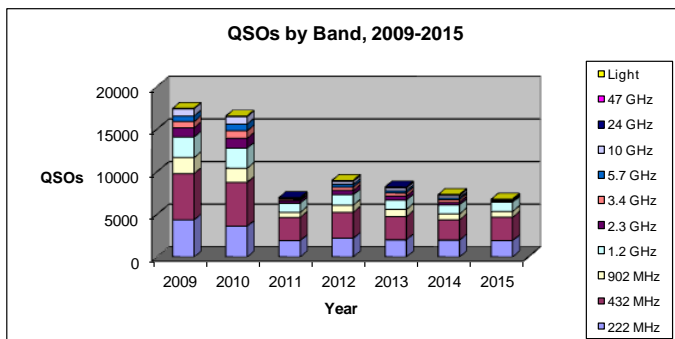
By John Kalenowsky, K9JK <k9jk@arrl.net>

Roving – where the action is!

August 1-2, the first weekend of 2015, brought the 38th ARRL UHF Contest, started in 1978. This part of summer offers many possibilities...it can be hot as heck so staying indoors in a nice air-conditioned station and exploring what the airwaves bring is an option. It can also be a good time to be out and about on a vacation or just plain ramble and why not combine it with a little radio? That's just what 174 stations did, submitting a log on the bands from 222 MHz on up the spectrum through microwaves and even light!



This year's log count betters the 166 from 2014 and even eclipses the recent peak of 171 from 2012 but remains below the UHF Contest K2 of 243 logs received in 2009 and the Mount Everests (249 logs) of 1994 and 1999. Your author's quest to see the UHF log count surpass the Holy Grail of 250 remains to be achieved.



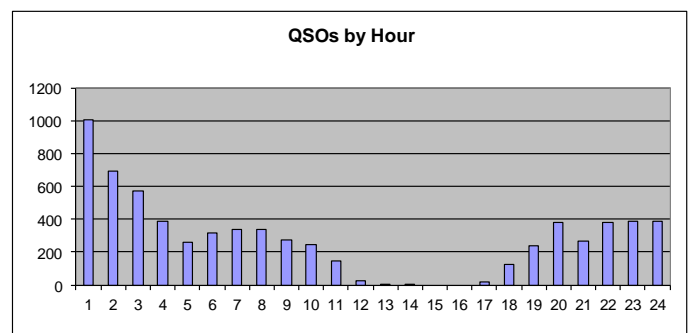
While more logs were submitted in 2015, the total count of QSOs slipped to just under 6800, a low among recent years. 432 MHz continues as the most popular band for

QSOs, with 171 of 174 logs reporting more than 2700 QSOs on the band (40% of all QSOs) and 30 of those 171 reporting 432 MHz as their ONLY band. This is a 15% increase in QSOs reported on 432 MHz in 2015 as opposed to last year while QSO counts on 222, 902 and 1296 MHz held their own year to year. Significantly fewer QSOs were reported on the 2.3 through 24 GHz bands this year as compared to 2014.

The split of logs by category was 30 Rovers (12 Classic, 11 Limited and 7 Unlimited), 136 Single Operator (92 Low Power and 44 High Power) and eight Multioperator. By QSO count, the Rover logs reported just over 1700 (about 25% of all QSOs), Single Operator logs listed over 4600 QSOs (just shy of 70% with High Power entrants almost matching the QSO counts reported by Low Power entrants despite the count of Low Power logs being more than double the count of High Power logs). The eight Multioperator logs recorded just shy of 400 QSOs total (about 6%).

It's a matter of timing

This year's pattern of QSOs by hour compares to past years. The first hour continued its reign as the hour with the most QSOs, with rates tapering over the next few hours and slight bump in the evening hours. The overnight/very early morning hours had their usual quietness with activity levels picking up again on Sunday morning.



Popularity contest (most likely to be logged)

The most popular grid locator for 2015 was CN87 up in the Pacific Northwest, including most of the Seattle metro area and points west; it was listed as the Sent Grid by 10 fixed stations and one rover for a total 495 QSOs and as the Received Grid for 511 QSOs. FN31 (most of Connecticut, a bit of southeastern New York and a tiny

bit of New Jersey) came in second for Sent Grid with 455 QSOs (from four fixed station logs) and 380 received.

EN34 (the southern part of the Twin Cities Metro area and south in Minnesota plus a little of west central Wisconsin) and EN44 (west central Wisconsin and part of SE Minnesota) battled for third and fourth most popular. EN44 edged out EN34 for Sent Grid, 322 QSOs by two fixed stations and four rovers from EN44 compared to 316 QSOs by 8 fixed stations and five rovers from EN34. EN34 took third for Received Grid with 322 QSOs versus 292 QSOs that reported receiving EN44.

Wrapping up the top five for most popular grid was EN52 (northwest suburbs of Chicago reaching westward and up into south central Wisconsin) with six fixed stations and six rover stations reporting 287 QSOs with that as the Sent Grid. 281 QSOs reported EN52 as the Received Grid.

The thrill of (roving) victory...

The top score and QSO count for 2015 was achieved by Wyatt, ACØRA, as a Limited Rover so roving turned out to be *where the action was*, at least around Wyatt's route. Keep in mind that he did this with just the 'bottom 4' bands (222, 432, 902 and 1296 MHz); no 12 point QSOs!



Top Rover and overall Top Scorer, Wyatt, ACØRA, activated 13 grids — a lot of driving in his roving pickup truck — across four states and three ARRL divisions, yielding a final QSO count of 332 and a score of 94,044. (Photo by ACØRA)

Two fixed stations in the vicinity of Wyatt's travels really capitalized on his presence; Bob, K2DRH completed 52 contacts with Wyatt (from ALL 13 of the grids Wyatt visited and all four of their common bands) and Paul, WØUC logged 48 QSOs with ACØRA/R, only missing Wyatt from one grid. For both Bob and Paul, these represented over one-fourth of their total QSOs so definitely were a factor in their scores.

Wyatt's starting point for his trek was at the EN33/34/43/44 grid corner (near St. Charles, MN), just

southeast of the Twin Cities, the primary territory of the Northern Light Radio Society, so Wyatt had a very interested audience of contest participants and he took advantage of that, too. In addition to the 16 contacts each with K2DRH and WØUC from around that starting corner, Wyatt logged another 139 total QSOs for 171 (over half of his total), in just over five hours before moving on to Wisconsin to activate EN52 and EN53 (a little west of Madison, WI).

Wyatt continued his rambling, activating EN42 in Wisconsin, on to the eastern reaches of Iowa where he managed to complete two QSOs on 222 MHz with Todd, N4QWZ, first from EN42 and about an hour later from EN41. Todd and Wyatt found some enhancement during the middle of the night as the paths of these QSOs were both greater than 400 miles. They tried on 432 as well but were unsuccessful.

After a rest stop, Wyatt continued into Illinois to activate EN51, EN50 and EN40 (around a grid intersection several miles east of Galesburg, IL). The final leg of Wyatt's journey was into Iowa, toward his home QTH in the Cedar Rapids area, or, actually, just a little to the west of Cedar Rapids to reach into EN31 and EN32 for his 12th and 13th grid activations. You can see a photo of Wyatt's roving pickup in the photo.

And the agony of (roving) defeat...

While not truly 'defeat', some other Rovers weren't as successful as Wyatt. They made an effort and participated as best they could, despite challenges presented or experienced by their roving vehicles.

John, AA1I shared in his Soapbox that "*Started off intending to be a rover, so sent call is AA1I/R, but blew a brake line on Saturday and was unable to continue on Sunday*". Despite only reporting QSOs from one grid, John's entry was accepted as a Rover.

Another Rover tale of woe was provided by Al, K3WGR, regarding the NN3Q rover foray. From their Soapbox - "*The contest was off to a slow start but ended abruptly when the rover van was rear ended during a grid move. A distracted driver rammed into the rear rotor and rotor mount that supports all the microwave antennas from 903 to 10 GHz. Our two grid adventure was nice while it lasted. Forty five minutes on the side of the road to remove damaged antennas and make the van road ready so no further damage would occur to either the van nor to the remaining mounted antennas. Two hours at the home QTH to remove the damaged parts and take inventory of what needed to be ordered. The van will make the January contest but is doubtful for the September event.*"

Top Ten by Category

Call	Score	QSOs	Mults	Bands Operated	Division
Single Operator, Low Power					
K2DRH	78,570	198	90	CD9EF	Central
AF1T	27,936	110	48	CD9EFGHIJP	New England
W3SZ	21,294	79	42	CD9EFGHI	Atlantic
W9GA	16,536	81	52	CD9E	Central
N4QWZ	14,850	76	55	CD9E	Delta
WB2JAY	13,230	79	35	CD9EFG	Hudson
KEØCO	9,744	82	29	CD9E	Northwestern
W3PAW	8,316	44	28	CD9EFGH	Atlantic
WØZQ	7,830	63	30	CD9EFG	Dakota
KO9A	7,569	66	29	CD9E	Central
Single Operator, High Power					
K1TEO	87,768	210	92	CD9EFGHI	New England
WØUC	61,500	176	82	CD9EFGHI	Central
K1RZ	46,398	116	74	CD9EFGHI	Atlantic
K3TUF	36,642	116	62	CD9EFGHI	Atlantic
K1GX	29,205	104	55	CD9EFGHI	New England
K8TQK	20,460	74	62	CD9EFG	Great Lakes
W4ZRZ	14,445	67	45	CD9EFGHI	Southeastern
VE3ZV	12,696	71	46	CD9EF	Canada
K3SIW	11,115	53	39	CD9EFGI	Central
N7EPD	10,464	77	32	CD9EFG	Northwestern
Multioperator					
K2LIM	31,329	113	59	CD9EGI	Atlantic
N8ZM	10,293	63	47	CDE	Great Lakes
W1XM	4,617	50	19	CD9EF	New England
AG4V	3,024	28	24	CD9EF	Delta
KBØHH	2,376	38	18	CD9E	West Gulf
N2BJ	1,938	26	19	CDE	Central
NY2NY	1,008	19	14	CDE	Hudson
VA3NW	690	17	10	DE	Canada
Rover					
W9SNR/R	44,460	141	65	CD9EFGI	Central
KCØP/R	15,438	115	31	CD9EJ	Dakota
NØHZO/R	15,159	113	31	CD9EJ	Dakota
KF2MR/R	13,860	87	33	CD9EI	Atlantic
N2QJP/R	7,857	56	27	CD9EI	Atlantic
KF8QL/R	7,176	71	23	CD9EFI	Great Lakes
NN3Q/R	5,760	41	20	CD9EFGHI	Atlantic
WØZQ/R	3,870	42	15	CDEHIJ	Dakota
AA1I/R	2,109	18	19	CD9EGHI	New England
KØCQ/R	384	16	8	D	Midwest
Limited Rover					
ACØRA/R	94,044	332	68	CD9E	Dakota
WW7D/R	27,144	231	29	CD9E	Northwestern
K9JK/R	6,840	76	24	CD9E	Central
NL7CO/R	2,448	48	17	CD	West Gulf
WB2SIH/R	1,581	29	17	CDE	Hudson
W1EAK/R	1,428	34	14	CD	Pacific
N2DCH/R	504	15	8	CD9E	Atlantic
NØEDV/R	384	14	8	CD9	Central
KE7MSU/R	252	8	7	D9E	Northwestern
AEØEE/R	24	2	4	D	Dakota
Unlimited Rover					
W3HMS/R	4,080	35	20	CD9EFGI	Atlantic
AF5Q/R	2,793	49	19	CD	West Gulf
VE7AFZ/R	858	22	11	CDE	Canada
AF5CC/R	600	20	10	CD	West Gulf
W9HQ/R	216	12	6	CD	Central
KC9MRX/R	180	10	6	CD	Central
KC9VEM/R	162	9	6	CD	Central

The top story of Roving ‘agony’ was by Bill, VE3CRU. Bill had conspired quite extensively to plan an August rove in Michigan with Lloyd, NE8I. As Bill was driving to Michigan from his home QTH just east of Toronto, his

rover vehicle had some different ideas about completing the trip. Bill’s Soapbox tells the story – “When I drove to Michigan the transmission acted up at the border, and had serious problems entering the town the motel was in, dropping to low and revving at 6 to 8k plus, redlined. Met NE8I, let the car cool overnight. A test drive showed it would hold at highway speed so drove 30 miles to EN82em to start the contest. Knew it was unwise to drive 2.5 hours west to grid corners west of Grand Rapids so did 1 qso only with WB8TGY at 1832 and headed back to Canada. Barely got over the Detroit River bridge, gravity took me down the other side. Pushed it as far as I could. Approaching London on 402, went to pass an 18 wheeler and as I hit the passing lane the tranny dropped out to low and stuck, so put 4 way flashers on, ducked behind the truck and onto the shoulder. Limped to first exit 3 miles further, London and was stuck in the area for 3 nights. Tranny shop assessed the damage Tuesday am and a tow home cost \$505. Final cost of this rove was over \$4000 including a used tranny, rental vehicle and lodging. Hoping for better days ahead. OUCH !!! 73, Bill VE3CRU/R” All of that effort for ONE QSO and Bill’s log was also accepted as a Limited Rover category entry, despite only reporting a QSO from one grid. (Clearly, that was a “check” log – Ed.)

Top scoring efforts

Not to be overshadowed by the count Wyatt racked up, the second highest QSO total for 2015 was achieved by another Limited Rover. Darryl, WW7D, collected a final total of 231 contacts as he piloted his rovermobile through seven different grids in the Pacific Northwest, one of those grids being the very busy CN87.

The log of Single Operator, High Power top scorer Jeff, K1TEO, netted the second highest overall score (87,768) and third highest final QSO total with 210. Even though there are a lot of stations in Jeff’s locale, he had to be ‘in the chair’ to make those contacts and that contributed to FN31 being the second most popular grid.

Bob, K2DRH, claimed the third highest overall score (78,570) which was the best score among SOLP entrants and the fourth highest QSO count (198). It certainly didn’t hurt that ACØRA’s rove route virtually ‘surrounded’ Bob’s QTH (mentioned above) but he still had to spend a lot of time ‘in the chair’.

With 176 QSOs, Paul, WØUC, had the fifth highest count, for a score of 61,500 (fourth highest overall) to finish second in the SOHP category. Paul also capitalized on ACØRA’s rove route as K2DRH did.

The top Classic Rover score of 44,460 resulted from Jim, W9SNR’s final QSO total of 141 (the sixth highest

overall score and Q count). Jim limited his travels, activating just three grids but put his time in the driver's seat.

The top score in the Multioperator category was 31,329, achieved by the operators of K2LIM. This was the eighth highest score overall from their final contact total of 113. Six more logs contained over 100 QSOs: 3 SOHP, 1 SOLP and 2 classic Rovers.

Logs with contact counts in the double digits (between 10 and 99 final QSOs) numbered 115, leaving 46 logs netting 9 or fewer final QSOs. Seven logs with a final QSO count of one matched the count of single QSO logs from 2014 and once again, please remember that *ALL* logs are appreciated and welcome, whether containing just a single QSO or several hundred.

A regional wrap-up

With the West Coast region (Northwestern, Pacific and Southwestern Divisions plus Alberta, British Columbia and the Northwest Territories) being home to the busiest grid (CN87), the 43 logs from there matched the count of logs from the Northeast Region (Atlantic, Hudson and New England Division plus Quebec and the Maritimes).

Single Operator logs from the West Coast numbered 38; 6 High Power (SOHP) and 32 Low Power (SOLP). Top SO scorers were N7EPD and KEØCO in High and Low Power, respectively. The West Coast's five rovers: one Classic, three Limited and one Unlimited; were led by WB6BET, WW7D, and VE7AFZ in those categories. No one entered as a Multioperator from the West Coast.

The contest's top scorers in SOHP and Multioperator were K1TEO and the team at K2LIM, leading the way in the Northeast region of 18 and three entries from there, respectively, in those categories. AF1T topped 15 Single Operator, Low Power entries from the region. Four classic Rovers, two Limited Rovers and one Unlimited Rover completed the entries from the Northeast with KF2MR, WB2SIH and W3HMS claiming the respective top spots. W3HMS was also the top scorer of the contest for Unlimited Rover.

Even though just four logs behind the West Coast and Northeast Regions, the 39 logs from the Central Region (Central and Great Lakes Divisions plus the four Ontario RAC Sections) netted the third spot in regional log count, with 21 logs from the Central Division letting it claim the title of the busiest ARRL division for the contest.

The contest's leader for SOLP, K2DRH, was among 19 entries in the category from the Central region. W9SNR was another 'best in the contest' leading three classic Rovers from the region. The top Single Operator, High

Power scorer for Central region was WØUC, of eight regional entrants in that category. The operators at N8ZM plied the waves to achieve the best score among three Multioperator logs from the Central. Three was a very popular count of logs by category in Central region with that also being the number of Limited and Unlimited Rover logs. Your author, K9JK, claimed Central's top spot for Limited Rover as W9HQ did for Unlimited Rover.



The whole Palm family hit the road for the UHF Contest! Left-to-right, that's Lorene, KC9MRX; Emily, KC9VEM, and David, W9HQ. They shared the operating for 31 QSOs from a pair of grids in the Central Division. [David Palm, W9HQ, photo]

The Midwest Region (Dakota, Midwest, Rocky Mountain and West Gulf Divisions plus Manitoba and Saskatchewan) wasn't too far behind the Central Region with 34 logs. ACØRA's top overall score for the contest led the three Limited Rover logs from the region. Four classic Rovers and two Unlimited Rovers completed the rover log count from Midwest with KCØP and AF5Q claiming the top scores for the region. In Single Operator, WØGHZ had the best score of 7 High Power logs and WØZQ ranked first of 17 Low Power logs from the region. The lone Multioperator log from the Midwest Region was from KBØHH.

Logs from the Southeast Region (Delta, Roanoke and Southeastern Divisions) numbered 15. Sadly, no one roved in the region and AG4V's Multioperator log was the lone log from the region in that category. The region's remaining Single Operator logs were split with nine in Low Power and five in High Power, led by N4QWZ and W4ZRZ, respectively.

And the gavels go to...

Of this year's 176 logs, just over 60% (106) listed a Club's name in their log. There were 31 different clubs identified but only 12 of them made the minimum of

three logs to be eligible for the gavel competition, nine in the Medium class and three in the Local class.

Congrats to the Lodi Amateur Radio Club for the best aggregate among the Local clubs with 3 logs and a total club score of 5,343 to claim the Local gavel for 2015. Twelve logs submitted by members of the North East Weak Signal (NEWS) Group added up to a total 147,738 and they will receive this year's Medium gavel. The Pacific Northwest VHF Society and the Northern Light Radio Society tied for most logs per club, at fifteen each.

Affiliated Club Competition

	Entries	Score
Medium		
North East Weak Signal Group	12	147,738
Northern Lights Radio Society	15	118,395
Society of Midwest Contesters	5	89,895
Pacific Northwest VHF Society	16	76,698
Badger Contesters	8	75,687
Mt Airy VHF Radio Club	4	67,590
Rochester VHF Group	3	21,762
Michigan VHF-UHF Society	4	7,749
Bristol (TN) ARC	4	1,443
Yankee Clipper Contest Club	3	807
Local		
Lodi ARC	3	5,343
Ventura County ARS	3	2,520

See you in August?

If you have an "all-band" rig capable of operating on 432 MHz, why not give this contest a try? Transverters are available for several of the other bands as well. Once the rovers are out and the home stations are active, you might be surprised at what you can work with even simple stations. See you next year, on August 6th and 7th.

Division Winners by Category

Division	Call	Score	QSOs	Mults	Bands Operated
Low Power					
Atlantic	W3SZ	21,294	79	42	CD9 EFGHI
Central	K2DRH	78,570	198	90	CD9 EF
Dakota	WØZQ	7,830	63	30	CD9 EFG
Delta	N4QWZ	14,850	76	55	CD9 E
Great Lakes	N8XA	2,280	28	19	CD9 EI
Hudson	WB2JAY	13,230	79	35	CD9 EFG
Midwest	NØTTW	7,410	49	38	CD9 E
New England	AF1T	27,936	110	48	CD9 EFGHIJP
Northwestern	KEØCO	9,744	82	29	CD9 E
Pacific	WA6OSX	4,560	73	16	CD9 E
Roanoke	K4FJW	840	18	10	CD9 EF
Rocky Mountain	W7QQ	96	6	4	DE
Southeastern	KX4R	6,696	53	36	CD9 E
Southwestern	K6TSK	2,574	52	13	CDE
West Gulf	AA5AM	1,008	24	14	CD
Canada	VE3DS	6,786	47	39	CD9 E

High Power

Atlantic	K1RZ	46,398	116	74	CD9 EFGHI
Central	WØUC	61,500	176	82	CD9 EFGHI
Dakota	WØGHZ	6,210	51	23	CD9 EFGHI
Delta	N4JQQ	2,664	29	24	CD9 EF
Great Lakes	K8TQK	20,460	74	62	CD9 EFG
Hudson	N2SLO	1,170	30	10	CDE
Midwest	KØTPP	1,587	23	23	CD
New England	K1TEO	87,768	210	92	CD9 EFGHI
Northwestern	N7EPD	10,464	77	32	CD9 EFG
Pacific	KC6ZWT	5,358	66	19	CD9 EF
Roanoke	KM4ID	75	5	5	D
Southeastern	W4ZRZ	14,445	67	45	CD9 EFGHI
Southwestern	N5BF	165	9	5	CDE
West Gulf	K5LLL	2,820	30	20	CD9 EFGHI
Canada	VE3ZV	12,696	71	46	CD9 EF

Multipoperator

Atlantic	K2LIM	31,329	113	59	CD9 EGI
Central	N2BJ	1,938	26	19	CDE
Delta	AG4V	3,024	28	24	CD9 EF
Great Lakes	N8ZM	10,293	63	47	CDE
Hudson	NY2NY	1,008	19	14	CDE
New England	W1XM	4,617	50	19	CD9 EF
West Gulf	KBØHH	2,376	38	18	CD9 E
Canada	VA3NW	690	17	10	DE

Rover

Atlantic	KF2MR/R	13,860	87	33	CD9 EI
Central	W9SNR/R	44,460	141	65	CD9 EFGI
Dakota	KCØP/R	15,438	115	31	CD9 EJ
Great Lakes	KF8QL/R	7,176	71	23	CD9 EFI
Midwest	KØCQ/R	384	16	8	D
New England	AA1I/R	2,109	18	19	CD9 EFGHI
Pacific	WB6BET/R	135	9	5	D

Limited Rover

Atlantic	N2DCH/R	504	15	8	CD9 E
Central	K9JK/R	6,840	76	24	CD9 E
Dakota	ACØRA/R	94,044	332	68	CD9 E
Great Lakes	VE3CRU/R	12	1	2	E
Hudson	WB2SIH/R	1,581	29	17	CDE
Northwestern	WW7D/R	27,144	231	29	CD9 E
Pacific	W1EAK/R	1,428	34	14	CD
West Gulf	NL7CO/R	2,448	48	17	CD

Unlimited Rover

Atlantic	W3HMS/R	4,080	35	20	CD9 EFGI
Central	W9HQ/R	216	12	6	CD
West Gulf	AF5Q/R	2,793	49	19	CD
Canada	VE7AFZ/R	858	22	11	CDE

2015 ARRL August UHF Contest

Regional Leaders by Category

Boxes list call sign, score, and category (HP/LP - SOHP/LP, M - Multiop, R - Classic Rover, RL - Limited Rover, RU - Unlimited Rover)

Northeast Region			Southeast Region			Central Region			Midwest Region			West Coast Region		
New England, Hudson and Atlantic Divisions; Maritime and Quebec Sections			Delta, Roanoke and Southeastern Divisions			Central and Great Lakes Divisions; Ontario Section			Dakota, Midwest, Rocky Mountain and West Gulf Divisions; Manitoba and Saskatchewan Sections			Pacific, Northwestern and Southwestern Divisions; Alberta, British Columbia and NWT Sections		
K1TEO	87,768	HP	W4ZRZ	14,445	HP	WØUC	61,500	HP	WØGHZ	6,210	HP	N7EPD	10,464	HP
K1RZ	46,398	HP	N4JQQ	2,664	HP	K8TQK	20,460	HP	KØAWU	6,006	HP	K7ND	9,207	HP
K3TUF	36,642	HP	KØVXM	384	HP	VE3ZV	12,696	HP	K5LLL	2,820	HP	KE7SW	5,589	HP
K1GX	29,205	HP	AA4DD	300	HP	K3SIW	11,115	HP	KØTPP	1,587	HP	KC6ZWT	5,358	HP
WZ1V	9,828	HP	KM4ID	75	HP	WA8RJF	3,906	HP	NTØV	864	HP	WA7TZY	5,148	HP
AF1T	27,936	LP	N4QWZ	14,850	LP	K2DRH	78,570	LP	WØZQ	7,830	LP	KEØCO	9,744	LP
W3SZ	21,294	LP	KX4R	6,696	LP	W9GA	16,536	LP	NØTTW	7,410	LP	WA6OSX	4,560	LP
WB2JAY	13,230	LP	N4TWX	1,242	LP	KO9A	7,569	LP	KØSIX	1,638	LP	KD7UO	3,723	LP
W3PAW	8,316	LP	K4FJW	840	LP	VE3DS	6,786	LP	AA5AM	1,008	LP	K6TSK	2,574	LP
AC1J	2,565	LP	WB4WXE	585	LP	N9LB	2,838	LP	KAØCRO	162	LP	N6LB	2,496	LP
K2LIM	31,329	M	K4EJQ	300	LP	N8ZM	10,293	M	KBØHH	2,376	M	WB6BET/R	135	R
W1XM	4,617	M	K4YRK	252	LP	N2BJ	1,938	M	KCØP/R	15,438	R	WW7D/R	27,144	RL
NY2NY	1,008	M	WA4LDU	144	LP	VA3NW	690	M	NØHZO/R	15,159	R	W1EAK/R	1,428	RL
KF2MR/R	13,860	R	K4NRT	3	LP	W9SNR/R	44,460	R	WØZQ/R	3,870	R	KE7MSU/R	252	RL
N2QIP/R	7,857	R	AG4V	3024	M	KF8QL/R	7,176	R	KØCQ/R	384	R	VE7AFZ/R	858	RU
NN3Q/R	5,760	R				WB8TGY/R	378	R	ACØRA/R	94,044	RL			
AA1I/R	2,109	R				K9JK/R	6,840	RL	NL7CO/R	2,448	RL			
WB2SIH/R	1,581	RL				NØEDV/R	384	RL	AEØEE/R	24	RL			
N2DCH/R	504	RL				VE3CRU/R	12	RL	AF5Q/R	2,793	RU			
W3HMS/R	4,080	RU				W9HQ/R	216	RU	AF5CC/R	600	RU			
						KC9MRX/R	180	RU						
						KC9VEM/R	162	RU						