Results, ARRL UHF Contest

This was the best time I've had since Field Day!—KB6PUD

By Billy Lunt, KR1R, Contest Manager and Warren C. Stankiewicz, NF1J, Assistant Contest Manager

What a success! When the mail started to arrive and the logs started piling up, we knew the sweet taste of success. Entries soared from last year's record low to an all-time high! The final tally showed that the 223 entries received this year more than doubled last year's total.

The graph below shows what participation pins can do for a contest. The new program was definitely the leading factor in this year's success. This year's pin orders outnumbered last year's entries alone. Almost one out of every three participants completed 10 QSOs or less, arguably attracted to the contest solely for the opportunity to earn a pin.

With more people on the air to work during the contest than ever before, scores truly took a climb. The crew at KD5RO in Western New York set its sights high and took advantage of the increased activity. The goal was to topple the perennial multioperator winner, the Mount Greylock Expeditionary Force, W2SZ/1, in Western Massachusetts. The gang's efforts paid off, as W2SZ came in second for the first time in the history of the contest!

The increased participation spurred by the pin program helped drive scores higher than they've been for several years. Five new division records were set, as well as KD5RO's new all-time multioperator record. It's worth noting that the multioperator record had stood since 1988, when the "range" scoring method, where the distance between the grids counted as part of the score, was used. Although he didn't set a record, Dave, N3CX, topped Steve, N2CEI, with an outstanding 86,400-point effort in the single-operator class.

If you didn't try this year's contest and you want to get in on the action, there are a few things you should know. You'll find that the strategies for operating have changed. The increase in participation has changed the nature of this contest dramatically. You can no longer rely on old habits if you want to win. You have to work the newcomers before they have a chance to get away. Look for them everywhere—on FM, CW and SSB. Don't overlook a band or mode. The newcomers are usually the timid ones. Don't just scan the bands for signals or rely on the old-timers for skeds. You need to call CQ for the masses to find you. There are a lot of newer hams who are interested in the contest who may only have FM equipment—make sure you don't overlook this source of activity. The new contesters of today will be the big guns of tomorrow!

Activity also increased on the microwave bands. This year, 412 QSOs were made on the bands above 1296 MHz. Contrast this with the 28 made in 1978, the year of the first UHF Contest! It used to be that the world of microwaves was the province of the tech weenies and gnomes who were able to design, build and test the circuits—and get the hard-to-find parts. You could always spot these people at flea markets looking over strange hardware from military surplus dealers and mumbling to themselves under their breath about waveguide filters and dish feeds. Back in those days, even if you got something to work, there was no guarantee that there would be anyone *to* work (unless you built two of them and gave one to a friend!).

Times have changed. There are a lot more people active on the bands than in the past. You'll find this contest to be a good chance to catch many of them on the air, operating portable from a rare (or semi-rare) location, or testing out a new piece of equipment.

If you haven't tried operating on a new band, or thought that gear for operating on the microwaves was beyond your reach, think again! There are plenty of designs (see the *ARRL Microwave Experimenter's Guide*, for example) to build from. Parts, kits, and assembled units are available for a fraction of what it used to cost back in the old days. With the current no-tune gear, you don't even need complicated test gear to make the stuff work. You can even buy good microwave equipment from advertisers in the pages of *QST*.

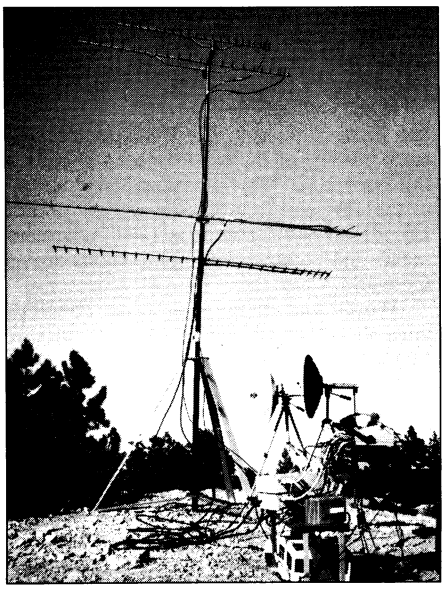
Where's the payoff in all this? Why, in your score, of course! The more bands you can activate in the contest, the more of those precious multipliers you can pick up for the asking. Why not look into adding a new band for next year?

Top Five, Single Operator

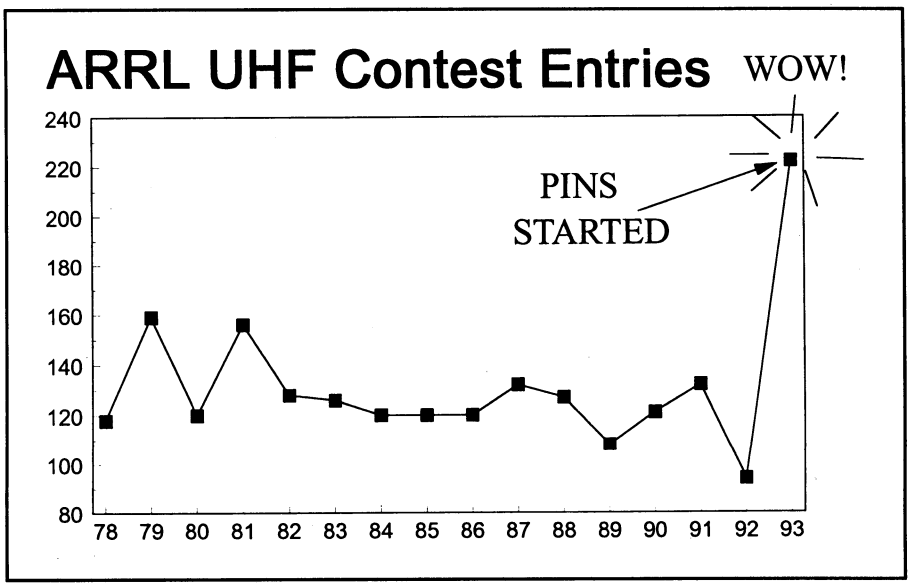
Call	*Score*
N3CX	86,400
N2CEI	77,982
WW8M	67,854
WA8WZG	38,430
WB2YEH	32,544

Top Five, Multioperator

Call	*Score*
KD5RO	445,752
W2SZ/1	355,842
W3ZZ	51,030
WB3ESS	29,388
W3KWH	15,933



Pacific Division winner, Rich, KF6CU, operated portable on six bands from San Benito Mountain in CM96.

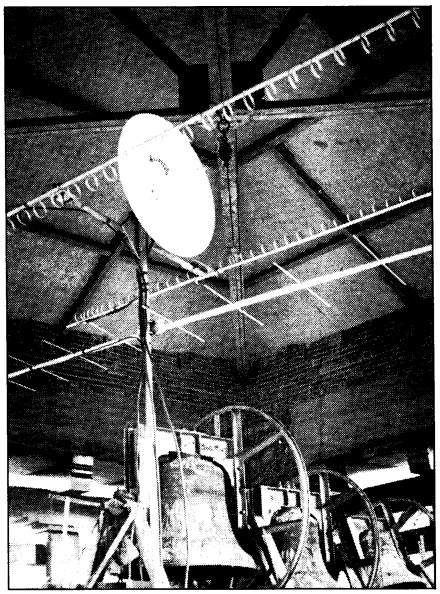


If you like operating portable, these new easy-to-operate, lightweight units are a snap to take out on an expedition to that rare grid square. August can be the perfect time (if it doesn't rain!) to find out what mountaintopping is all about. For one group's experience, see the sidebar, "We've Been to the Mountaintop—UHF Portable at Sierra Grande, New Mexico, DM86," by Doug Allen, W2CRS.

One thing is for sure—next year's UHF contest promises to be just as exciting as this year's. If you like to experiment, go hilltopping, or simply operate, make sure you don't let next year's UHF Contest pass you by.

SOAPBOX

Some people said the contest was dead, but from my location, things were popping (N3CX). This was a laid-back contest (W2PAU). 25 W and no preamp on 432 seemed to work as well as 120 W and a preamp on 222. I wasn't hearing much on either band (N3HBE). It was hard to find QSOs on FM simplex (KA3TCC). I was amazed that a TV UHF corner reflector sittingon a chair in the attic fed with RG-62 and an 8-inch piece of cable as a balun even worked (W3SSS). Where were all the ops on FM simplex? (N3KJO). I was disappointed at the lack of activity on FM (N3MJQ). Contacts were real hard to come by Saturday, but the conditions Sunday morning were greatly improved (WB9OJR). I was just barely QRV on 222 by the time of the contest, so everyone on this band was a new one. I'm looking forward to the participation pin, they are very impressive (K9LCR). I had a great time! I can't believe I worked 3 grids using only 10 W and a vertical antenna! (N9LAG). Conditions were about average, but we still found a few new stations to work on 432 (WØUC). One-third of all my contacts were with rovers (KBØZQ). I really enjoyed working so many 2304 stations this year. The highlight was working WA8WZG with his 20 mW! (WW8M). I wish the contest was longer! (WA8WZG). Conditions were not too great. It is a lot of fun to see just how good the equipment is (AA8Q). Those of us who are regularly active on the VHF/UHF bands need to offer as much encouragement as possible to others to increase their activity on these bands (WA8MZQ). I like the pins (WA8GXM). It was a great contest to operate! I even worked stations on 222 on FM simplex! This is my favorite contest by far! (N8HNS). Hilltopping with QRP and big antennas is a blast (N2DSY). I still couldn't get my 2304 transverter working (WB2WHD). The 1296 gear died, and I never made it out on 2304, but the camaraderie and fun of it all made it well worthwhile! (WB2IEY). This would have to have been the first cool weekend of the summer (NB2V). I was interrupted by several thunderstorms (WØYPT). Conditions weren't very good, I had hoped to work enough new grids to complete my VUCC on 432, but was unable to (WBØCQO). All my QSOs were to the west of me (NØLL). My average distance per contact was 230 miles, and this on 70 cm! My thanks to the ops in Colorado and Wyoming (KDØHE). Rain wasn't a real problem until 10 minutes after the contest on Mount Equinox (KH6CP). This was my first contest, and I had fun (WP4O). This was our first attempt at a contest—next time we'll do better. We weren't able to raise anyone on FM simplex (WA2TJR).



Thomas, WB2IEY, set his antennas up in the 140-foot high bell tower at the Maryknoll Seminary in Maryknoll, New York.

We've Been to the Mountaintop—UHF Portable at Sierra Grande, New Mexico, DM86

I looked at Ron and said nothing. Although it was only 10 PM, he had a tired look of both fear and resignation. Our small trailer rolled back and forth like a ship at sea. How much longer would it stay upright? Would our trailer be blown down the side of the mountain with us in it?

Ron, KDØDW, and I had planned this trip for more than two months. On Friday, we packed our vehicles with equipment; a 4000-watt generator, tower sections, rotator, antennas, radio, power supplies, coax, and a zillion other things. We met that evening at the home of Bill, KCØHP, Ron's father, in Olney Springs, east of Pueblo, Colorado.

The excitement of our expedition and its early departure Saturday was not conducive to much sleep Friday night. Our destination, Sierra Grande, is an 8760-foot old volcano that reaches out of the 4000-foot prairie of northeastern New Mexico. I had described the mountain to others as the best VHF contest location in the Southwest. Would this be true, or would I have to eat my words?

We reached the base of the mountain. A private landowner had given me instructions on how to get through his 100,000-acre ranch to the summit road, but we immediately got lost. When we finally found the road, it was almost impassable. At the summit, the two technicians took a dubious view of our plans, and one even suggested that we use another mountain!

We got all the gear up by 4 PM, and began to set up, which took another three hours. It was sunny and mild, with no wind. Although we hadn't eaten since breakfast, the weather seemed a good omen. At 1832 local we made our first contact, with KGØGS in northern Wyoming, 540 miles north of us. This was on 222 barefoot with only 25 W. What a great location, I mused.

We ate for the first time in 10 hours, continued to set up the equipment, but also made quite a few contacts with stations along the Front Range of the Rocky Mountains (our home area) on 222, 432 and 1296 during the next hour. We then worked WØEKZ near Wichita, Kansas, and WB5LUA in Dallas on 432. We stayed on 432 and worked several other Dallas-area and Oklahoma stations.

Thunderheads had been building to the west, and it was becoming increasingly darker and windier. With lightning nearby, we disconnected everything and went into Ron's Explorer, hoping the lightning would miss us. It did, but as the hour-long storm abated, the wind continued to pick up, and we feared our tower guys might not hold. We operated again from 9:00 until 11:30, working some new stations and many of the previous ones on new bands. We were thrilled to receive a 559 from WB5LUA on 1296 at 475 miles during what was now at least 45 mi/hr winds. With each additional contact, the wind seemed to increase. We checked the guy ropes (which were tied around some boulders) as best we could in the dark. The howling winds made it difficult to stand upright.

Our trailer was air conditioned by the many openings and holes, and it was getting cold. The transition from operating position to sleeping bags was a welcome change, but sleep seemed unlikely. Every few minutes a wind blast would send chills down our spines and images of disaster through our minds. We were both dead certain that we would, at the very least, lose our tower and antennas, and maybe the trailer itself. For seven hours we lay there waiting for the crash. Finally the sun came up, and the wind started to die down. We had survived; so had the tower and antennas.

By 7 AM we were back on the air. Two hours later, we had guests, the local sheriff and his assistant, who had been notified by Ron's dad that we might be in trouble. They pointed out that we were camping on New Mexico state land without a permit, and were not amused that the "permission" I had received was not official permission. We talked for a while about the contest, the difficult trip up the mountain and our sleepless night, and I think they decided we were harmless and a bit crazy—and who could deny that? They even seemed to enjoy being part of our adventure and helped stage and photograph a mock arrest. After hearing that we would be packing up at noon, they left us.

After several more contacts into the Dallas area on 1296 and a few more 222 and 432 QSOs, we worked KØRZ and KXØO on 902 with a 6-W transverter and a loop Yagi from inside the trailer! We were too rushed Saturday and too tired Sunday to get the antenna up on the tower. The 2304 and 3546 transverters didn't get much of a workout. There just wasn't enough time. Before we knew it, noon had arrived, the contest was over, and we struggled to pack up and leave. It took more than four hours to pack up and get both vehicles down the mountain. We both felt like we had run a 100-mile race, and would never do it again. Only after the hours of unpacking and a couple of good night's sleep could we appreciate our adventure. And a few days later, we started planning to go back again!—*Doug Allen, W2CRS*

Scores

Line scores indicate call sign, total score, QSOs, multipliers and bands operated (C = 222 MHz, D = 432 MHz, 9 = 902 MHz, E = 1296 MHz, F = 2.3 GHz, H = 5.7 GHz, I = 10 GHz, J = 24 GHz, K = 47 GHz, L = Light) and ARRL/RAC Section. Call signs of Division leaders and band indicators are printed in **boldface** type.

Atlantic

N3CX	86,400	46	16	**C**	EPA
		72	24	**D**	
		27	14	**9**	
		38	16	**E**	
		15	6	**F**	
		10	3	**G**	
		3	1	**H**	
WB2YEH	32,544	28	11	C	SNJ
		50	16	D	
		20	8	9	
		24	9	E	
		9	3	F	
		6	1	G	
WA4VHF	15,120	36	14	D	MDC
		32	15	E	
		10	7	F	
WB3FAA	13,332	26	13	C	EPA
		31	18	D	
		10	7	9	
		12	6	E	
K2AN	13,284	15	7	C	WNY
		45	19	D	
		7	5	9	
		17	10	E	
N3NGE	5,400	22	8	C	EPA
		23	11	D	
		15	5	9	
WA3YON	4,868	18	11	C	EPA
		18	11	D	
		5	5	9	
		4	3	E	
N2LBE	3,843	10	4	C	WNY
		13	5	D	
		7	5	9	
		12	7	E	
KU2A	3,654	12	9	C	WNY
		14	12	D	
		2	2	9	
		6	6	E	
WA2ONK	2,862	17	9	D	SNJ
		8	5	9	
		10	4	E	
KB3PD	2,070	46	15	D	DE
WA1EHL/2	1,539	8	8	C	WNY
		11	8	D	
			4	3	E
W2PAU	1,470	35	14	D	SNJ
N3HBE	630	7	7	C	WPA
		8	7	D	
KD3SW	459	17	9	D	MDC
W3HNL	273	13	7	D	MDC
KA3TCC	72	5	2	C	MDC
		3	1	D	
W3SSS	36	6	2	D	EPA
KE3IC	30	10	1	D	WPA
N3KJO	30	5	2	D	MDC
KB3ANH	30	10	1	D	WPA
N3NCA	27	9	1	D	WPA
N3MJQ	27	9	1	D	WPA
W3VFA	18	6	1	D	WPA
KD5RO (+KA2RDO,KD2s KQ,YB, KE2WK,N2s FKW,ODK,ULL,VTB, WK,NQ2O,WA2s MOP,TMC)	445,752	108	37	C	WNY
		150	38	D	
		65	25	9	
		91	28	E	
		35	19	F	
		20	7	G	
		15	7	H	
		13	2	I	
		1	1	L	
W3ZZ (+WD8ISK)	51,030	49	25	C	MDC
		83	33	D	
		14	9	9	
		19	11	E	
		3	3	F	
WB3ESS (+K3YWY,N3s DAP,LJK, MYM,WA3UGP)	29,388	35	16	C	EPA
		71	27	D	
		15	11	9	
		11	8	E	
W3KWH (N3BZN,WA3TTS,op)	15,933	23	14	D	WPA
		11	11	9	
		14	12	E	
		5	5	F	
		2	2	G	
		2	2	H	
		1	1	I	
KC3EK (+KA3EJJ)	1,170	30	13	D	MDC

Central

WB9OJR	16,686	18	14	**C**	IL
		29	20	**D**	
		4	4	9	
		10	9	**E**	
		3	3	F	
		2	2	G	
		2	2	**H**	
WA8R/9	9,126	10	8	C	IN
		26	14	D	
		8	7	**9**	
		7	7	E	
		3	3	F	
WB9SNR	3,600	12	7	D	IL
		6	4	E	
		4	4	**F**	
		3	3	**G**	
		2	2	**H**	
K9LCR	2,139	8	8	C	IL
		23	15	D	
NN9K	1,863	9	8	C	IL
		18	15	D	
N9AQ	810	18	15	D	IL
N9BJG	765	5	5	C	IL
		12	10	D	
KB9FZQ	495	15	11	D	IN
WA9HCZ	480	16	10	D	WI
KE9QT	462	14	11	D	WI
WB8YFE	312	13	8	D	IN
WD9BGA	120	8	5	D	WI
N9LMU	108	6	6	D	WI
N9LAG	99	11	3	D	IL

NØBSH/9 (WØUC,op) (EN45)	72	1	1	C	WI
		1	1	D	
		1	1	9	
		1	1	E	
WØUC (+NØBSH)	12,126	23	14	C	WI
		35	18	D	
		5	4	9	
		13	7	E	

Dakota

WAØBWE	17,442	28	9	**C**	MN
		43	14	**D**	
		8	4	**9**	
		19	6	**E**	
		7	5	**F**	
WØKRX	8,466	17	9	C	MN
		28	15	D	
		13	7	E	
		3	3	F	
KBØZQ	6,162	22	8	C	MN
		35	14	D	
		11	4	E	
KØFQA	4,212	26	10	D	MN
		14	4	E	
		6	4	F	
WA2VOI (EN33)	3,300	11	7	C	MN
		19	11	D	
		6	3	E	
		2	1	F	
KCØP	1,260	6	4	C	MN
		10	6	D	
		6	5	E	
WA2VOI (EN43)	1,044	8	4	C	MN
		11	5	D	
		5	3	E	
NØBSH (WØUC,op) (EN35)	648	4	2	C	MN
		4	2	D	
		2	2	9	
		6	3	E	
NØHJZ (EN24)	600	5	3	C	MN
		7	5	D	
		2	2	F	
NØHJZ (EN34)	594	4	3	C	MN
		10	4	D	
		2	2	F	
NØHJZ (EN35)	570	4	3	C	MN
		7	5	D	
		2	2	F	
NØBSH (WØUC,op) (EN34)	552	5	2	C	MN
		4	1	D	
		2	2	9	
		5	3	E	
NØHJZ (EN25)	540	4	3	C	MN
		6	5	D	
		2	2	F	
NTØV	408	1	1	C	ND
		6	4	D	
		3	2	E	
		1	1	F	
WØAUS	378	2	1	C	MN
		6	3	D	
		3	2	E	
		1	1	I	

Delta

AA4H	756	5	5	**C**	TN
		13	9	**D**	
N4OYS	594	8	5	D	TN
		7	4	**E**	
NS4W (KC4BWG,WB4CTW,ops)	9,072	28	15	C	TN
		56	21	D	

Great Lakes

WW8M	67,854	39	18	**C**	MI
		88	33	**D**	
		16	9	**9**	
		34	17	**E**	
		8	8	**F**	
		1	1	**G**	
WA8WZG	38,430	23	16	C	OH
		66	27	D	
		17	11	9	
		26	14	E	
		2	2	F	
K8MD	13,029	14	9	C	MI
		41	18	D	
		8	6	9	
		15	10	E	
WA8TJL	10,824	11	9	C	OH
		31	19	D	
		9	7	9	
		11	9	E	
AA8Q	4,704	56	28	D	OH
KU8U	3,816	53	24	D	MI
WB8TGY	2,793	21	11	D	MI
		8	5	E	
		2	2	F	
		1	1	G	
WA8MZQ	2,280	38	20	D	OH
N8AXA	1,008	7	5	C	OH
		21	7	D	
KU8Y	1,008	5	4	C	MI
		13	7	D	
		3	3	E	
NQ8A	396	5	4	C	MI
		7	7	D	
N8ZAT	360	4	4	C	OH
		11	4	D	
WA8GXM	198	11	6	D	OH
KA8TBW	30	5	2	C	MI
N8HNS (+WA8TON)	9,546	34	16	C	MI
		34	15	D	
		9	6	E	

Hudson

N2CEI	77,982	60	20	**C**	NNJ
		73	20	D	
		25	16	**9**	
		29	14	**E**	
		9	5	**F**	
		5	3	**G**	
		3	2	**H**	
		1	1	I	
		1	1	**J**	
N2DSY	16,182	71	15	C	NNJ
		103	16	**D**	
N2LIV	8,160	21	11	C	NLI
		25	11	D	
		7	5	9	
		10	7	E	
WB2VVV	6,006	19	9	C	NNJ
		34	8	D	
		5	5	9	
		7	4	E	
WB2WHD	3,360	11	3	C	ENY
		33	12	D	
		6	5	E	
KT2B	3,300	6	5	C	ENY
		12	6	D	
		5	4	9	
		5	4	E	
		3	3	F	
WB2WIH	1,887	17	8	C	NNJ
		20	9	D	
WB2IEY	1,860	19	14	C	ENY
		6	6	9	
WB2CWA	1,296	12	8	C	ENY
		11	6	D	
		2	2	E	
KC2QF	1,020	34	10	D	ENY
KF2MR (FN32)	735	2	1	C	ENY
		5	3	D	
		2	1	F	
		2	1	G	
		3	1	I	
NB2V	660	20	11	D	NLI
W2KHQ	264	11	8	D	ENY
N3BXH (FN32)	216	2	1	F	ENY
		2	1	G	
		2	1	I	
W3HHN	216	4	3	C	ENY
		8	3	D	
KA2MCU	156	1	1	C	ENY
		2	1	D	
		1	1	E	
		2	1	I	
K2KGJ	105	7	5	D	ENY
KD2IX	96	8	4	D	ENY
KF2MR (FN22)	90	1	1	E	ENY
		1	1	F	
		1	1	I	
N2QHS	84	7	4	D	NLI
WB2EAR	72	8	3	D	ENY
N3BXH/2 (FN22)	48	1	1	F	ENY
		1	1	I	
N3BXH/2 (FN23)	48	1	1	F	ENY
		1	1	I	
N2KJM	12	2	2	D	NNJ
WA2BAH (+N3BXH)	1,599	10	5	C	ENY
		17	6	D	
		1	1	E	
		3	1	I	

Midwest

WØYPT	2,268	9	6	**C**	IA
		19	12	**D**	
		4	3	**E**	
WBØCQO	546	14	13	D	IA
WDØBQM	147	7	7	D	NE
NØLL	144	4	3	C	KS
		4	3	D	
KDØHE	144	8	6	D	NE
KDØBT	18	3	2	D	IA

New England

KH6CP/1	21,372	31	14	C	VT
		36	16	D	
		10	6	**9**	
		15	11	**E**	
		3	3	**F**	
		1	1	**H**	
K1TR	18,432	36	18	**C**	NH
		56	19	D	
		7	5	9	
		7	4	E	
		2	2	F	
K1FO	7,725	103	25	**D**	CT
NM1K	7,644	40	8	C	CT
		30	9	D	
		9	5	9	
		5	4	E	
K1CPJ	2,106	9	4	C	CT
		14	9	D	
		1	1	9	
		3	2	E	
		1	1	F	
		1	1	**G**	
WA1OUB	378	9	7	E	NH
N1NOE (FN53)	252	1	1	C	ME
		1	1	D	
		1	1	9	
		1	1	E	
		1	1	F	
		1	1	**G**	
KD1KJ	150	10	5	D	EMA
N1FUS	150	10	5	D	WMA
N1NOE (FN54)	132	1	1	C	ME
		1	1	9	
		1	1	F	
		1	1	**G**	
AA1O	105	7	5	D	EMA
N1FHR	84	5	2	C	CT
		2	2	D	
NY1V	72	6	4	D	CT
WA1GTP	45	4	2	C	CT
		1	1	D	
WP4O	45	5	3	D	EMA
N1NOE (FN32)	36	3	2	C	WMA
		1	1	D	
N1NOE (FN32)	3	1	1	C	ME
W2SZ/1 (KA1PRT,WA1ZMS,AA2AM, N2s BNY,GXH,HPA,KIZ,WA2AAU, WB2KMY,WS2B,WA8USA,ops)	355,842	79	30	C	WMA
		157	37	D	
		44	20	9	
		47	19	E	
		30	17	F	
		21	14	G	
		15	10	H	
		11	7	I	
		5	5	J	
K1DS (+K1PLX,N1BAQ)	2,565	17	7	C	RI
		16	7	D	
		2	2	9	
		2	2	E	
		1	1	I	
N1HKO (+N1JKT,WB1BXB)	378	8	3	C	NH
		10	4	D	
N2RDN/1 (+N2MSS)	255	17	5	D	ME
WA2TJR (+K1TMW)	210	10	7	C	CT

Northwestern

KE7CX	5,916	7	5	**C**	OR
		23	13	**D**	
		11	7	**E**	
		2	2	**F**	
		2	2	**G**	
AA7QZ	1,575	6	4	C	OR
		13	7	D	
		8	4	E	
W7YOZ	1,470	9	5	D	WWA
		5	5	E	
		2	2	**F**	
		2	2	**G**	
KE7SW	570	6	3	C	WWA
		9	6	D	
		2	1	E	
K7HSJ	459	2	2	C	OR
		7	4	D	
		4	3	E	
WI7Z	162	9	6	D	EWA
W7FHI	144	8	6	D	EWA
N7AUV	126	7	6	D	EWA
KB7PEH	3	1	1	C	WWA
NU7Z (+W6PKW,AA7HB,K7ND)	13,680	22	11	C	WWA
		34	13	D	
		1	1	9	
		14	8	E	
		5	5	F	
		2	2	G	
KD7TS (CN76) (+WA7OEU)	1,938	8	4	C	WWA
		12	7	D	
		7	5	E	
		1	1	F	
KD7TS (CN97) (+WA7OEU)	858	3	1	C	WWA
		13	7	D	
		3	2	E	
		1	1	F	
KD7TS (CN77) (+WA7OEU)	216	3	2	C	WWA
			3	2	D
		3	2	E	
KD7TS (CN96) (+WA7OEU)	63	2	1	C	WWA
		1	1	D	
		1	1	F	
KD7TS (CN87)	9	3	1	C	WWA

Pacific

KF6CU	4,320	5	4	C	SCV
		31	14	**D**	
		8	5	**E**	
		2	1	**I**	
WA6YDI	1,350	22	12	D	SJV
		4	3	E	
NI6L	864	24	12	D	SCV
KD6PUD	576	32	6	D	SCV
WA6UAP	420	10	6	**C**	SCV
		4	4	D	
K1CT	378	2	2	C	PAC
		19	4	D	
N7STU	180	12	5	D	SCV
KD6PY	60	1	1	C	SCV
		4	3	D	
KB6FYP	54	6	3	D	SCV
KD6UY (+KD6WKV)	540	12	5	D	SCV
		4	4	E	

Roanoke

K2UOP	27,456	19	14	**C**	WV
		46	24	D	
		15	10	**9**	
		20	14	**E**	
		2	2	**F**	
N4HB	10,200	15	11	C	VA
		40	16	D	
		6	6	9	
		9	7	E	
K4QIF	9,396	57	25	**D**	VA
		15	11	E	
K9OYD/4	9,180	20	10	C	VA
		28	12	D	
		9	6	9	
		12	6	E	
WR3I	6,240	48	18	D	VA
		16	8	E	
N4MM	1,989	39	17	D	VA
K4JQU	1,404	26	18	D	NC
W4FSO	1,242	5	4	C	NC
		16	13	D	
		1	1	E	
NK4Q	1,152	24	16	D	NC
WD4O	612	6	6	C	VA
			9	5	D
		1	1	E	
K4YYL	561	11	8	D	SC
		3	3	E	
KD4FRY	384	14	7	D	SC
		1	1	E	
WN3C	315	15	7	D	VA
WA4MJD	315	15	7	D	SC
KD4SFF	210	14	5	D	SC
WA4OVW	75	5	5	D	VA
K4JQY	42	7	2	D	SC
KD4DRA	15	5	1	D	SC
KD4KBO	15	5	1	D	SC
AA4ZZ (+KA4YMY,KD4GCF,WB4WTC)	14,388	35	16	C	NC
		52	21	D	
		9	6	E	
		1	1	I	

Rocky Mountain

KØRZ	11,985	15	12	**C**	CO
		28	19	D	
		3	3	**9**	
		14	11	**E**	
		2	2	**F**	
WBØHZL	54	2	1	C	CO
		4	2	D	
N7MLD (DN41)	45	5	3	D	UT
N7MLD (DN40)	27	3	3	D	UT
N7MLD (DN31)	24	4	2	D	UT
W2CRS/5 (+KDØDW)	5,481	13	8	C	NM
		22	11	D	
		2	2	9	
		8	6	E	
		1	1	F	
		1	1	I	

Southeastern

WD4MBK	3,822	6	5	C	GA
		29	16	**D**	
		7	5	**E**	
WS4F	2,460	8	5	**C**	GA
		17	11	D	
		2	1	E	
		1	1	**F**	
		1	1	**G**	
		1	1	**I**	
KA2DRH	1,740	21	16	D	AL
		4	4	E	
KD4ADC	189	9	7	D	AL
WA1GUD	96	8	4	D	SFL
WD4AHZ	72	6	4	D	SFL

Southwestern

WA6RAY	5,859	18	5	**C**	LAX
		53	12	**D**	
		11	4	**E**	
AJ6F	2,916	11	5	C	LAX
		27	9	D	
		8	4	E	
N6QOA	1,764	9	3	C	SB
		33	11	D	
KB6MEG	1,134	13	3	C	SDG
		29	6	D	
W6DXJ	999	37	9	D	SDG
KD6RMS	912	28	4	C	SB
		8	3	D	
		1	1	E	
N2OOB	324	18	6	D	SB
NS8F	288	10	4	C	LAX
		2	1	D	
		2	1	E	
K6LMN	180	10	3	C	LAX
		2	2	D	
W6YAN	108	3	2	C	SB
		6	2	D	
KD6VWK	66	11	2	D	ORG
WB7OHF	60	1	1	C	AZ
		4	3	D	
N6TCZ	36	6	2	C	LAX
W6NXB	30	5	2	C	LAX
W6TRW (KC6TPN,KD6s IGI,WYQ, WA6MPF,ops)	2,196	20	4	C	LAX
		21	5	D	
		10	3	E	

West Gulf

WB5LUA	17,640	12	8	**C**	NTX
		31	15	**D**	
		6	4	**9**	
		16	9	**E**	
		4	1	**F**	
		4	1	**G**	
		4	1	**H**	
		3	1	**I**	
AA5C	4,140	5	3	C	NTX
		14	9	D	
		3	1	9	
		4	3	E	
		2	1	F	
		2	1	G	
		2	1	H	
		3	1	**I**	
K5SW	1,944	8	7	C	OK
		14	9	D	
		7	2	E	
W5NZS	1,479	11	8	C	OK
		18	9	D	
KB5IUA	1,260	4	4	C	STX
		14	7	D	
		5	4	9	
K5LLL	1,014	12	7	D	STX
		3	2	9	
		4	4	E	
KB5NFN	384	10	5	D	STX
		3	3	E	
N5BA (EM10)	72	2	2	C	STX
		4	2	D	
W8EP	24	4	2	D	NTX
N5BA (EM01)	3	1	1	D	STX

Canada

VE3DSQ	2,376	44	18	**D**	ON
VE3WCB	1,872	26	6	D	ON
		7	4	**E**	
		3	2	**F**	
VE7XF	1,230	31	7	D	BC
		5	3	E	
VE3DSS	720	8	8	C	ON
		6	2	D	
		3	2	E	
VE4KQ	288	1	1	C	MB
		5	4	D	
		3	3	E	
VE3ASO	189	3	3	C	PQ
		6	4	D	
VE3SXE	180	10	6	D	ON
VE3NJK	132	1	1	C	ON
		2	2	D	
		2	1	I	
VE3URS	84	7	4	D	ON
VE2PIJ	18	6	1	D	PQ