

# Results, 1992 ARRL January VHF Sweepstakes

I'm not a contestor, but this VHF/UHF operating is fantastic!  
—Dave Odden, WD0CJM

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

**I**t was the best of times, it was the worst of times. For the top entrants in the single-operator and rover classes, and for those enjoying the favorable moon-bounce conditions, it was the best of times; for those hoping that 6-meter conditions would produce the spectacular European openings of the weeks before the contest, and especially for operators hoping for enhanced tropo conditions, it was the worst of times. Brief openings between the southwestern US and New Zealand, Hawaii and Alaska were the only real signs of enhanced F-layer propagation—a disappointment for the stations that had been enjoying unprecedented F<sub>2</sub> propagation into central Europe from as far afield as southern California just days before. During the contest, a bit of midwinter sporadic E kept things interesting for some operators in the south central part of the US.

The summation almost unanimously reflected in this year's Soapbox comments is that tropo conditions were flat, flat, flat! No noteworthy aurora or meteor scatter, sometimes rescuing us from otherwise poor winter conditions, came to the rescue. What made this contest fun for many entrants, however, was rover activity. Now that roving has been part of the ARRL VHF contest program for a full contest season, it's a phenomenon that's enjoying tremendous popularity and brisk growth. NC7K describes his rover effort in the sidebar.

The bottom line tells a story along these lines. In the January contest, almost the entire increase in log submissions over last year (958 as opposed to 1991's 912) is attributable to the 79 Rover entries. Single-operator entries were off slightly (down eight from last year's 786), and bitterly cold weather over much of the US probably played a role in cutting this year's QRP-portable entries to the 15 hardy amateurs who took to the hills (last year's contest, presumably as a result of warmer weather, drew more than three times as many entries in this category). The Contest Branch continues to see increasing interest in the limited-multioperator category. Of this

year's 77 multioperator logs, 46 fell in the limited category and the remaining 31 entries used more than four bands. Nine operators submitted checklogs to help the Contest Branch verify QSOs in other logs.

In the standings, the race for the single-operator crown was a close one between two regulars: Jeff, WA2TEO, and Steve, N2CEI. Jeff barely edged Steve for the top spot, reversing their order and increasing their scores from last year. WA3NUF finished a distant third. Competition was strong for the first three spots in the QRP-portable category. WB2ODH/6, with 24k, scored a decisive victory over KH6CP/1, who turned in an impressive 11k log. Third-place NM1K and the remaining QRP-portables finished under 10k. Interestingly, only entrants from coastal (and near-coastal) sections vied for top-10 spots in this class. Rovers were outstandingly competitive this year. The top five, led by WB9EEA, NQ2O and KD2KQ, all scored more than 100k. Considering the time of year, their efforts are noteworthy!

The number one and two multioperator stations, WA3AXV and W1NY, topped the



Robert, WA1YKM, braved Mt Moosilauke, New Hampshire (FN44), in the January VHF contest.

## Affiliated Club Competition

Club	Score	Entries	Single-Op Winner
<b>Unlimited Category</b>			
Mt Airy VHF Radio Club	1,459,184	56	WA3NUF
Rochester VHF Group (NY)	1,341,923	81	KA2RDO
Hampden County Radio Assn	734,581	65	KA1ZE
<b>Medium Category</b>			
Delaware Valley VHF Society	393,276	11	K2SMN
Xerox ARC	162,286	40	KE2MK
Minnesota Wireless Assn	123,383	4	W8UC/9
Yankee Clipper Contest Club	103,128	4	K1TR
Albany ARA	102,839	45	WA2BAH
North Texas Microwave Society	94,894	9	N5WS
South Jersey Radio Assn	75,089	15	K2YY
Ventura County ARC	64,492	7	K6VMN
Schenectady ARA	45,200	34	KB2HQ
Murphy's Marauders	42,378	3	AA2Z
Six Meter Club of Chicago	29,282	24	KA9UMG
Quabog Valley ARC	27,492	13	K1ISW
Troy ARA	10,079	12	WA2IWV
Rochester DX Association	8,751	11	N2HYU
Rochester (MN) ARC	4,643	24	KC0P
Mobile Sixers RC	3,021	12	WA3JMM
<b>Local Category</b>			
Radio Amateur Telecommunications Society	62,250	3	N2FWI
Murgas ARC	49,960	5	WA3YON
Overlook Mt ARC	16,294	6	W2XL
Mount Tom ARA	2,390	3	N1EXG
Huber Heights ARC	1,357	3	N8CCC
Saratoga Co RACES Assn	1,223	5	WA2ALV

## QSO Leaders By Band—Single Operator

<b>50 MHz</b>	<b>144 MHz</b>	<b>222 MHz</b>	<b>432 MHz</b>	<b>902 MHz</b>	<b>1296 MHz</b>	<b>2304 MHz</b>	<b>3456 MHz</b>
WA2TEO	178	WN3A	401	N2CEI	91	K1FO	209
W3EP/1	170	N3AHF	384	N3CX	90	W2XG	122
N3BBI	165	KA1ZE	371	W2XG	87	WA2TEO	121
N2CEI	161	WA2TEO	324	N1DPM	82	K2UJH	120
WZ1V	139	WB2QOQ	299	KA1ZE	81	N1DPM	112
K1TR	116	K3ESJ	287	WA2TEO	78	N2GHR	107
KC5FP	110	WZ1V	280	WB2VPH	78	WA3YUE	29
KA2RDO	99	KA2RDO	260	NU2U	77	K3ESJ	106
WA3NUF	99	W2XG	259	N3FUJ	77	N2HYU	104
W0UC/9	98	VE3ASO	250	WA3NUF	76	KA1ZE	101
KM5X	95	N2HYU	248	WA3YUE	72	K1TR	99
WA3YUE	93	N3FUJ	247	K3ESJ	70	N2CEI	96
K1DAT	92	K1RZ	245	W2E1F	68	WA3NUF	95
KB3QM	89	N2CEI	242	KA2RDO	68	N3CX	95
XE1GRR	89	K1TR	240	N2SB	67	N1DPM	24
				K2YY	67	K1RZ	92
				W2HPF	67	WB3DNI	23
						WA3JUF	23

## Multiplier Leaders By Band—Single Operator

<b>50 MHz</b>	<b>144 MHz</b>	<b>222 MHz</b>	<b>432 MHz</b>	<b>902 MHz</b>	<b>1296 MHz</b>	<b>2304 MHz</b>	<b>3456 MHz</b>
KC5FP	62	WA8MZQ	62	K1RZ	25	K1FO	54
W0UC/9	51	K9MRI	56	WD5BKV	25	K2UJH	44
KM5X	48	WD5BKV	51	WA2TEO	23	WD5BKV	39
XE1GRR	45	W0UC/9	44	WB9OJR	22	K1RZ	28
KB5UA	44	K1RZ	43	N2CEI	21	WA2TEO	27
WA8FTA/9	39	VE3RKK	43	WA3NUF	21	W0UC/9	27
N0LL	38	N3AHF	42	VE3KDH	20	WA0BWE	27
WA2TEO	36	KB8JI	42	WB2DNE	19	WB9OJR	26
WZ1V	34	KE8FD	42	W0UC/9	19	K9MRI	24
W5OZI	34	WB9OJR	42	N3CX	18	N0LL	24
KB3QM	31	KB8EAP	40	KE8FD	18	VE3KDH	24
K1RZ	30	W3ZZ	39	K1TR	17	KA2RDO	23
W5FF	30	WN3A	38	W2HPF	17	WA3YUE	7
W3EP/1	29	WA0BWE	38	W3ZZ	17	WA2ONK	6
N2CEI	29	WD8CJM	38	KA1ZE	17	WB3DNI	6
				KA1ZE	16	N3CX	22
				WA1HYN	16	WB2DNE	22
				KA2RDO	16		
				K9MRI	16		

200k mark in a relatively widespread field. Number three W2SZ came in at 196k. The top three stations finished in the same order last year and all enjoyed considerably higher scores. The limited-multioperator class had only one entry above 100k. The N2WK team's 148k effort handily beat number-two N2DSY by more than 100k. Five call areas were represented in the top 10 entrants in this field.

Growth continues at a steady pace on the UHF and microwave bands. Many participants noted a welcome increase in 902-MHz-and-up activity. In the Hampden County (Massachusetts) Radio Club, members made a concerted effort to equip themselves for these bands using inexpensive no-tune transverters. The effort was clearly worthwhile, as the Hampden County group's third-place 1992 Unlimited Club score increased almost 50% over its 1991 effort. Those multipoint microwave contacts can really boost your score, as Dave (KD5RO) Halliday's article, "Microwave Contesting," in the May/June 1992 issue of *NCJ*, demonstrates. Dave's home club, the Rochester (New York) VHF Group, put these bands to good use this year, pushing its score more than 63% higher than last year. This achievement is particularly significant when you consider this year's flat band conditions. Repeating last year's performance, the Mount Airy VHF Radio Club pulled together the winning unlimited-club score, although the lack of enhancement in January is reflected in the drop in

its score compared to last year.

In the medium-club category, the Delaware Valley VHF Society repeated its victory streak in 1992. The Radio Amateur Telecommunications Society emerged with the gavel in the local-club competition.

FM once again played a significant role in this year's contest. Usually rather rare

in the Northeast, FM activity was quite high in southern New England and other areas. Part of this is surely attributable to codeless Technician licensees discovering the excitement of contest operating, and part is a result of clubs seeking to increase activity by their members. We welcome codeless Technicians to the contest frater-

### On the Rove Again

By Tim Marek, NC7K  
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What a trip! My brother and I traveled 742.3 miles during the January VHF SS to activate six grids in north-central Nevada. The scenery was spectacular. The climax occurred when the largest meteor I've ever seen came down within 10 miles of our location in DM19. It lit up the night sky like the sun for six seconds!

We started on a sand dune near Fallon, then on to Carroll Summit in DM19. After dinner in Austin and a brief sleep in Tonopah, we put DM18 on the air from a snow-covered ridge in 16° temperatures at sunrise.

The next stop, about 11 AM, was in DM17, atop a small knoll three miles north of Goldfield. Incredible views! Then we stopped for a roadside operation from the northeastern corner of DM07. We wedged the mast into a highway reflector post—a trick we discovered in DM19. Luning, DM08, was our next site. The most multipliers from any site came here. A brief stop in Yerington netted us KB6CO, also in DM08, on two bands.

Our last stop was Slide Mountain in DM09. We operated alongside the road on a scenic overlook turnout with the antennas on an eight-foot mast stuck in a four-foot-deep snowbank! We arrived there with only 38 minutes left in the contest, and what a half hour it was! Two meters was wide open up and down the coast with S9 + 20 signals. We finished with 63 QSOs and 37 grids.

I'd like to acknowledge the efforts of my brother, Scott. Without his help, this trip wouldn't have been possible. In September, maybe we'll start at the southern end of the state and work our way north along the Nevada/Utah border!

## Division Leaders

### Single Operator

Division	Call	Score
Atlantic	WA3NUF	130,800
Central	W0UC9	70,152
Dakota	WA0BWE	48,152
Delta	KC4YO	12,696
Great Lakes	KE8FD	38,517
Hudson	N2CEI	177,141
Midwest	N0LL	34,648
New England	WA2TEO	178,204
Northwestern	WTYQZ	9,036
Pacific	AA6PA	3,745
Roanoke	N4HB	31,955
Rocky Mountain	NJ7A	3,225
Southeastern	WB4JEM	6,000
Southwestern	AJ6F	9,990
West Gulf	WD5BKV	78,400
Canada	VE3ASO	60,078

### Multioperator

Division	Call	Score
Atlantic	WA3AXV	267,902
Central	W9YB	774
Dakota	WD0GNK	1,725
Delta	—	—
Great Lakes	WA8NJR	91,506
Hudson	W2SZ	188,580
Midwest	—	—
New England	W1NY	236,385
Northwestern	—	—
Pacific	—	—
Roanoke	*K4LVV	76,160
Rocky Mountain	NR0KV	14,398
Southeastern	—	—
Southwestern	W6TRW	2,700
West Gulf	*WQ5S	43,240
Canada	VE6NOV	7,710

\*New Division record

### Limited Multioperator

Division	Call	Score
Atlantic	*N2WK	148,500
Central	*AA9AO	2,409
Dakota	—	—
Delta	—	—
Great Lakes	*W8ULC	59,563
Hudson	*N2DSY	48,762
Midwest	*WA0TKJ	37,760
New England	*W1QK	41,405
Northwestern	*WA7QH	532
Pacific	*WB6PFJ	9,618
Roanoke	*N8FMD	22,825
Rocky Mountain	—	—
Southeastern	*KB4BKV	2,349
Southwestern	*N6RMJ	19,292
West Gulf	*K5QBM	3,924
Canada	*VE3SAU	1,892

\*New Division record

nity and hope that it will inspire them to explore new Amateur Radio horizons, including license upgrading and HF contesting!

The 1992 VHF contest season is underway! As you read this, it's time to make those last-minute preparations for the mother of all VHF contests, the ARRL June VHF QSO Party. See you June 13-15 on 50 MHz and up!—*Rus Healy, NJ2L*

### SOAPBOX

Conditions were poor, but the good turnout on 23-cm EME kept the contest exciting (WD5AGO). This was the first time I ever experienced an F<sub>2</sub> opening to the US during a VHF contest! (ZL1AVJ). Conditions were the flattest in recent memory. If you were in the right place at the right time, you were rewarded; otherwise you languished in the ether doldrums (WA3AXV). I had an enjoyable time. Conditions were tough and I had to work hard for contacts (VE3ASR). Conditions were poor and the activity was even worse (WD4AHZ).

20-mi/h winds and 0° temperatures made roving an interesting experience (W9XA). There were lots of stations on and good rovers (K6AAW). With the frigid weather and poor conditions, I really had to work for long-distance QSOs (VE3RKK). Where was everybody? (W9YB). The bands couldn't have gotten any worse than they were (N4HB). With a full moon, the winter flu, four inches of snow and subzero temperatures, I was ready for hilltopping (KD0BT). It almost seemed like the troposphere was inverted! (WA2BPE). The scatter was poor this year, but local activity was high and there were great rover efforts (W0UC9). It was a different type of fun this year (N6TCZ). The bands were noisy most of the time and I didn't have any good band openings (K8UC). This was the first time in my contesting experience that I worked KL7 and KH6 (K7ICW). There was no exciting enhancement this time around (W9YCV). I had lots of fun, but conditions weren't the best by any means (VE3DJ). It was slow and painful with the occasional signal peak to keep everyone interested (VE2DUB). There wasn't much activity, but I enjoyed every contact I had (WA5DTK). I found conditions poor and the activity average, but it was a fine contest just the same (WB2DNE). Where was everybody? I can think of at least 20 "regulars" who never showed

(KA2DRH). Living 600 miles away from the closest possible contact hurts in this contest. However, sporadic E during the first hours helped me to have a ball! (XE3EB). The band wasn't that good and there weren't many stations on, but it was a lot of fun (W1FEZ). The highlight was working CO2KK (W5FF). Activity was excellent Sunday afternoon, something I'm not used to (WB0GGM). Here in the Midwest, the rovers contributed greatly to keeping interest high (WR0G). The rovers really helped folks get some tough grids (W6GGV). Even though our operating time was brief, we had fun and plan for a bigger effort in June (KF6GL). CW helped me get through on several weak QSOs. I worked more stations than I thought I would (WA3GYW). This was my first time on 432 and conditions were surprisingly good (KV3H). There was good 2-meter activity on Saturday, but Sunday was disappointing (KB2HSH). Conditions were flat—I had to work to get QSOs (KA9HKL). The conditions were down and the TVI was up! (KB0HH). I had a good time and ended up with sore vocal cords (N1KHV). Conditions weren't good, which is the way we like it! Once it got below 0°, the rotators turned slowly, if at all. We had a lot of line noise, but a lot of fun (W8BI). Naturally, the band opened the weekend before the contest (N1DIQ). Oh, well—

### QSO Leaders By Band—Multioperator

50 MHz	144 MHz	222 MHz	432 MHz	902 MHz	1296 MHz	2304 MHz	3456 MHz
W1NY	204	WC2F	442	W1NY	127	WA3AXV	41
W2SZ	190	W1NY	399	N2WK-L	126	N2WK-L	182
N2WK-L	184	N2DSY-L	354	WA3AXV	117	WA3AXV	143
WF1BL	173	W2SZ	329	W2SZ	101	WC2F	128
NR1E	162	N2WK-L	325	WB2PSI-L	100	NR1E	117
WA3AXV	152	W3CCX	322	WB2ELB	92	W2SZ	115
NJ2L-L	145	WA3AXV	310	KB2DVZ-L	81	N2DSY-L	114
W0RSJ	130	WB2ELB	288	WB3JSU/2	79	KB2DVZ-L	88
N2DSY-L	126	W1QK-L	266	W0RSJ	67	W3CCX	78
WZ2KL	121	K4LVV	251	K3EOD	67	WB3JSU/2	11
WA8NJR	115	NR1E	246	KB2ICL	75	K3EOD	24
W3KWH	112	WB3JSU/2	246	W2BE	63	WB2PSI-L	24
W1QK-L	111	NJ2L-L	232	N2LI	62	WB2PSI-L	73
WA2FUZ-L	110	WF1BL	230	WC2F	58	W3KWH	7
W3CCX	105	W8ULC-L	224	NR1E	57	W3KWH	7
				W1OP	67	N3ADC-L	21
				W0RSJ	5	K1BE	5
				WA8NJR	67	N1JJD	5
				WA8NJR	50	W3KWH	14

-L after the call indicates limited multioperator.

### Multiplier Leaders By Band—Multioperator

50 MHz	144 MHz	222 MHz	432 MHz	902 MHz	1296 MHz	2304 MHz	3456 MHz
WA8NJR	50	W8ULC-L	53	W3KWH	27	WA3AXV	12
K4LVV	49	W3KWH	49	N2WK-L	26	N2WK-L	29
W3KWH	46	WA8NJR	44	W2SZ	22	WA0TKJ-L	29
N2WK-L	39	K4LVV	39	WA3AXV	22	NR1E	9
KU8Y	38	N2WK-L	38	W1NY	28	W1NY	7
W8ULC-L	35	WC2F	37	W1NY	21	W2CF	26
WQ5S	33	KU8Y	37	WC2F	21	W0RSJ	5
W8BI	31	W8BI	37	WA3AXV	26	W3KWH	5
WA0TKJ-L	31	WA0TKJ-L	37	K4LVV	25	WB2ELB	4
W1NY	29	WA0TKJ-L	37	KU8Y	18	WB2PSI-L	4
WZ2KL	26	WB2ELB	36	WA8NJR	24	WA8NJR	8
WA3AXV	26	WA3AXV	36	WB2PSI-L	22	WB2PSI-L	8
NR1E	25	W2SZ	34	NR1E	21	W3KWH	2
W2SZ	25	W3CCX	34	W2SZ	19	W3KWH	7
WA2FUZ-L	24	N2DSY-L	33	W0RSJ	16	W0RSJ	6
				W3CCX	18	WQ5S	2
				WB2ELB	13	N3ADC-L	5
				WB2ELB	13	KA0KAN-L	5
				WB3JSU/2	13	N0KV	2

-L after the call indicates limited multioperator.

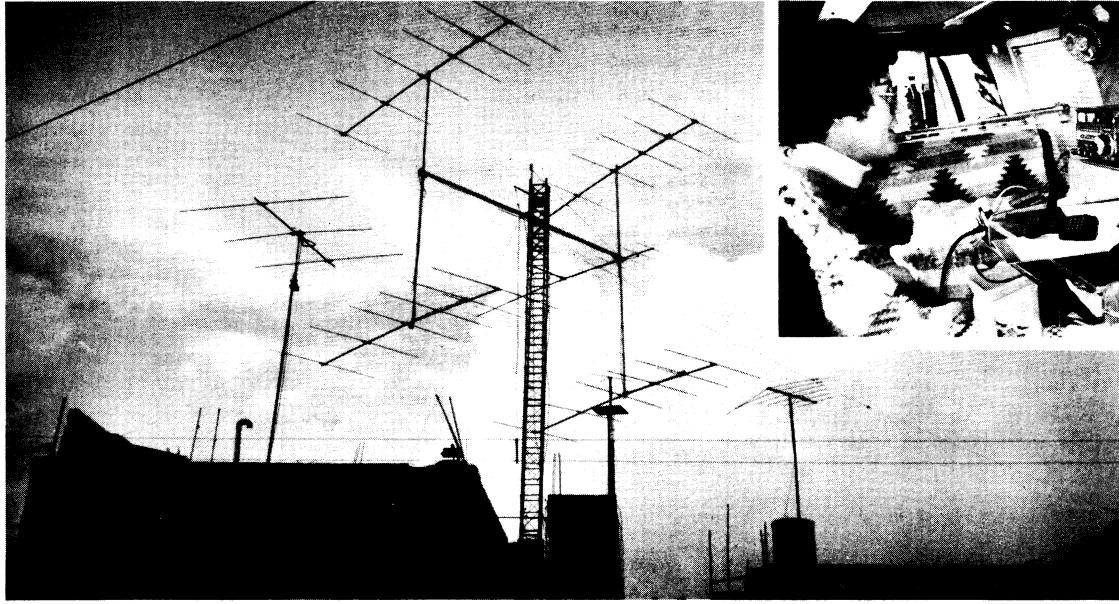
## Top Ten

Single Operator		Single Operator, QRP-Portable		Multioperator		Limited Multioperator		Rover	
Call	Score	Call	Score	Call	Score	Call	Score	Call	Score
WA2TEO	178,204	WB2ODH/6	23,850	WA3AXV	267,902	N2WK	148,500	WB9EEA	174,455
N2CEI	177,141	KH6CP/1	11,072	W1NY	236,385	W8ULC	59,563	NO2O	161,028
WA3NUF	130,800	NM1K	7,200	W2SZ	188,580	N2DSY	48,762	KD2KQ	155,952
N3CX	111,672	KB6MEG	5,313	WC2F	156,880	W1QK	41,405	W9XA	150,588
KA1ZE	106,220	KA1VED	4,840	W3KWH	115,884	WA0TKJ	37,760	AJ0E	107,939
K1RZ	104,860	WA3YYC	3,052	NR1E	105,512	NJ2L	30,218	WB2YEH	76,314
K3ESJ	90,988	K9AKS	2,540	WA8NJR	91,506	WF1B	30,184	KE9QT	66,850
N1DPM	86,760	KA1VEC	2,400	W0RSJ	89,082	N8FMD	22,825	N2HKD	63,315
KA2RDO	83,634	K3QQ	2,321	WB2ELB	88,560	KB2DVZ	20,930	WA9O	48,020
N2SB	83,332	N3FTI	1,008	K4LVV	76,160	N3ADC	20,745	WO2P	34,902

there's always June! (WB2IEY). This was my best January contest ever! Working ZL1ANJ was the highlight of the contest (KBSIUUA). The mountain was cold and windy this year, my water supply froze, the Coke exploded and I quit Sunday at noon. I hope June is warmer, HI! (WR3I). There were no big openings on 144 and 432, but there was a lot of activity on 2 meters, though (WB8JAY). The idea of roving in January is indeed ludicrous. It is, however, the ultimate amateur "adventure" that tests one's physical endurance, operating abilities, navigational skills, equipment reliability and patience, all within the course of a single contest (WB3JYO). Conditions were poor throughout the

contest, but it was still fun. There was always the anticipation of sudden improvement (W3KJM). Roving in Minnesota in January is tough, but I had a blast! (N0HJZ). There was little in the way of band openings, especially on 6 meters, but an enthusiastic local crowd gave us many contacts on 2 (VE6KC). It was my first VHF contest in more than 20 years and I had a ball! (NCIK). Conditions were noisy and flat, except for the last eight hours (VE3KDH). FM was worse than an Albanian pileup (NM1K). What a shame 6 meters didn't last a few more days for the contest (W2XL). It was the best activity level I've seen in years for the January Sweepstakes. It's too bad 50 MHz wasn't as good

as it was the weekend before (WA1LBK). I wish more CW activity would appear on 2 meters (K2LME). The bad weather forced us to set up in a mountain valley as opposed to a mountaintop. We were warm, comfortable and had a great time—all we needed was more activity! (N8FMD). The January contest never has good propagation, but these were absolutely the worst conditions I can remember (N2WM). I wish more people would turn their beams this way (VE1MQ). There was no 6-meter propagation, although local participation was better than last year (K6VMN). 6 meters never opened the way it had the week before (K6LMN). Who turned off the bands and turned on the noise? (W8CM). I had fun giving out UHF contacts (K2LNS). I don't know which was worse, contracting the flu Saturday afternoon or the band conditions (WB4NFS). It was great to hear the tremendous local activity for a January contest (K7VNU). I wish I could operate 6 meters during the contest, but my neighbors would hang me (WB9OJR). This was my first real experience on 902, 1296 and 2304, and I'm looking forward to June. It's amazing what a couple of milliwatts will do (K1CPJ). I had to climb the tower in 10° weather in 40-knot winds to get 6 meters on the air (KB3PW). I've been a ham for 13 years and this contest was the first I actually entered! I had a great time, but could have done with more activity! Tropo conditions were generally good (WE7P). The cold windy weather made my line noise unbearable! The local activity made the contest a lot of fun (N1DPM).



A view of Rafael's antenna farm at XE1GRR in Guadalajara, Jalisco, Mexico. He made 89 QSOs with US hams on 6 meters.



Denise, AJ0E/R, did another rover expedition, operating on five bands from her van in the Sweepstakes.



## Scores

Scores are listed by ARRL/RAC Sections. Within each section, single-operator scores are listed first, followed by QRP-portable, multioperator and limited multioperator scores. Rovers are listed separately by division. From left to right, each line lists: Call sign, score, QSOs, multipliers and bands worked (A = 50 MHz, B = 144 MHz, C = 222 MHz, D = 432 MHz, E = 902 MHz, F = 1296 MHz, G = 2.3 GHz, H = 3.4 GHz, I = 5.7 GHz, J = 10 GHz, K = 24 GHz, L = Light). Among single-operator stations, the single-band winners are noted with band letter(s) being in boldface print indicating the band won.

1	K1MVR	215	40	5 S BD	KX1C	13,072	245	43 S ABCD	N1FDX (+N1FYZ)	
Connecticut	W1INF (KA1CV,op)	72	12	6 S B	WA1LBK	11,193	198	41 S ABCD9E	711 79 9 L B	
WA2TEO	178,204	775	149 S	ABCD9E	W1GXT	6,630	172	30 S ABCD	Maine	
KA1ZE	106,220	697	94 S	ABCD9EF	KIDAT	6,291	196	27 S ABD	NY1E	2,400 100 24 S AB
WZ1V	41,902	465	82 S	ABD	KA1FVG	6,048	192	27 S ABCD	W9KDR/1	162 17 9 S BD
K1FO	29,400	227	60 S	DE	AA1O	3,080	116	22 S ABD	New Hampshire	
W3EP/1	29,145	411	67 S	ABD	K5MA	2,882	131	22 S B	K1TR	65,682 532 89 S ABCDE
K1CPJ	13,505	184	37 S	ABCD9EF	WC1B	1,746	86	18 S ABD	WA1YHO	31,488 322 64 S ABCD9E
W1ZGP	10,558	304	26 S	ABCD	W1ZNY	1,575	100	15 S BD	AF1T	31,275 275 75 S ABCD9E
K2LME	6,878	222	30 S	B	N1AFQ	1,022	73	14 S AB	W1EJ	6,496 131 32 S ABCD9E
KA1QAS	6,175	117	25 S	ABCD9EF	WA1OOE	1,022	69	14 S ABC	WA1T	5,814 142 34 S ABD
K1WVX	2,227	117	17 S	ABD	W1PSG	660	66	10 S B	WW1Z	5,096 143 28 S ABCD9E
AE1H	1,222	94	13 S	B	WA1MTI	504	40	12 S ABD	AC1J	4,925 150 5 S ABCD
AA2Z	1,088	61	17 S	ABD	W1FM	477	44	9 S ABD	WA1NIE	1,190 78 14 S BF
N1GVV	354	59	6 S	B	A16E	189	21	9 S B	KA1OEO	130 26 5 S ABD
<b>Eastern Massachusetts</b>										
	N1BWT	24,420	319	55 S ABCD9E	K1MBO (+N1KMG)	2,698	112	21 L ABCD		

WA1YKM	72	12	6 QB	N2MCI	1,805	82	19 S ABD	WB0MPQ	2,002	143	14 S B	WK2V	1,022	111	7 S BD	WN3A	15,238	401	36 S B
Rhode Island				WA2KPD	1,782	162	9 S BC	WB2JTE	924	70	12 S BC	NW2V	975	195	5 S B	K3UV	14,725	285	31 S ABCDE
KM1X	3,256	148	22 S AB	KG2H	1,717	101	17 S B	N2LKF	704	64	11 S B	K2KFV	972	108	9 S AB	K3DMA	11,775	294	25 S ABCDE
AI1K	3,003	143	21 S AB	WA2VUO	1,562	107	11 S BCD	N2BRG	203	7	7 S BCD9EFJ	W2VVG	930	93	10 S AB	WD3R	10,400	520	50 S BCDF9
WA1HYN	1,440	45	16 S C	WA2YEI	1,512	64	21 S ABD	WB2ONA	198	31	6 S ABD	KE2LY	924	99	7 S BC	WA3AQ	8,684	248	26 S ABCD
W1OP (K1s DS,PLX,N1JDA,ops)	10,815	221	35 MABCD9E	WB2IEY	1,450	50	15 S C	N2FWI	24	4	4 S ABCD	KA2JRA	870	71	10 S ABD	KB3CJU	6,012	146	36 S ABCD
W1DDD (K1s FLO,KY1,YVF,KA1s	YTF,YVF,ZBZ,KC1XO,VK1O,N1s	JFV,JFY,NB1U,WB1P,KA9HAO,ops)	WB2IYL	1,455	97	15 S AB	N2DSY (+KB1BD,KR2J,N2s	WB2LZ	832	75	8 S BD	WA3EHD	5,542	235	17 S ABCD				
WB2IYL	1,452	87	12 S ABCD	WM2Y	1,452	87	12 S ABCD	AVJ,NXI,NO2T,WB2RWZ,KB4CYC)	W2CNS	828	50	12 S ABD	K3EBZ	5,472	202	18 S ABCE			
WB2YL	1,370	125	10 S BD	WB2YL	1,314	119	9 S BD	48,762	627	63 L ABCD	WA3JAC	4,964	136	23 S BCDF9					
WA2WW	1,314	119	9 S BD	WB2EJ	1,224	69	12 S ABCD	EAR,KF2EE,N2s DZZ,FHC,HPZ,IKK,	W2KPU	792	83	8 S BD	W3GX	4,734	167	23 S ABC9			
WB2EJ	1,224	69	12 S ABCD	WB2WF	1,125	75	15 S B	KBD,KBG,KRA,PMMP,OOU,OVC,	KE2OW	686	76	7 S BC	N3BB	4,620	165	28 S A			
WB2WF	1,125	75	15 S B	WA2ALV	1,095	57	15 S BCD	WA1YCP,WU22,WX2R)	K2S2A	680	170	4 S B	WB8ZAR	3,840	115	20 S BCDE			
WA2ALV	1,095	57	15 S BCD	KA2MCU	1,040	57	13 S ABCDE	13,464	310	33 L ABCD	W2JMX	605	121	5 S B	W3HFY	3,322	101	17 S ABCD9E	
KA2MCU	1,040	57	13 S ABCDE	K2S2G	1,001	74	11 S BCD	NX2Q (+KT2K,N2s	NC2P	567	61	7 S BCD	W3CXU	2,700	91	15 S ABCDE			
K2S2G	1,001	74	11 S BCD	WA3AFS	980	70	14 S B	HMM,NJ2Y,WB2VVV)	W2TZ	496	124	4 S B	N3JLK	2,622	125	21 S AB			
WA2EVE	963	85	9 S BCD	WB2EE	924	77	12 S B	9,184	236	32 L ABDE	N2BHL	496	45	8 S BCD	KB3KG	1,764	66	11 S CDE	
WB2EE	924	77	12 S B	KA2AU	896	126	7 S B	KA2AU	472	118	4 S B	KA2SKO	1,728	100	16 S B	WA3PEB	1,728	100	16 S B
KA2AU	896	126	7 S B	N2COU	882	63	14 S AB	N2COU	1,020	111	4 S B	W2BDMT	464	116	4 S B	WA2FGK (K2LNS,op)			
N2COU	882	63	14 S AB	N2KUN	812	103	7 S BD	K2YV	54,640	397	80 S ABCD9E	N2OMN	448	112	4 S B	W3HNU	1,648	70	16 S ABCD
N2KUN	812	103	7 S BD	NY2U	742	82	7 S BD	W2UH	22,455	256	45 S BCD9E	N2OHF	408	51	4 S C	N3EVV	1,474	83	11 S BDE
NY2U	742	82	7 S BD	KA2KXC	721	93	7 S BD	K2YUH	24,534	210	58 S BDE	W2OMV	392	98	4 S B	K3PHY	915	153	5 S BC
KA2KXC	721	93	7 S BD	KB2HPX	720	70	8 S BC	WB2ONK	19,949	313	49 S ABD	KE2LU	392	98	4 S B	W3HK	824	52	14 S ABCD
KB2HPX	720	70	8 S BC	KA2VNP	680	65	8 S BD	W2HWR	12,108	280	42 S ABCD	WB2JNW	392	98	4 S B	WG3E	675	38	15 S ABCD
KA2VNP	680	65	8 S BD	KA2TJZ	639	48	9 S BCD	WB2RDX	17,388	239	42 S BDE	KE2OW	344	86	4 S B	WA1MKE	672	38	14 S ABCD
KA2TJZ	639	48	9 S BCD	WA2SRP	612	102	6 S B	KB2AYU	14,544	255	36 S ABCD9E	KB2NU	300	100	3 S B	WA3JMM	805	88	5 S ABC
WA2SRP	612	102	6 S B	KB2LTU	600	120	5 S B	W2PAU	12,558	164	26 S ABCD9EFG	KC2EX	300	100	3 S B	WB3HHO	576	108	4 S BC
KB2LTU	600	120	5 S B	N2LPW	572	52	11 S B	WB2TBB	13,185	244	45 S ABD	N2LPQ	272	67	4 S BC	N3BPJ	525	100	5 S ABCD
N2LPW	572	52	11 S B	WO2V	477	17	9 S BC9EFGHI	AB2Y	13,140	275	36 S BD	NO2VG	266	65	4 S B	WB3KRW	438	40	6 S BCFG
WO2V	477	17	9 S BC9EFGHI	WA2YBM	450	90	5 S B	WC2K	12,558	164	26 S ABCD9EFG	W3AWA (WA3KFT,op)				W3AWA (WA3KFT,op)			
WA2YBM	450	90	5 S B	WD2AJS	410	82	5 S B	WB2GE	12,575	186	25 S ABD	W2TM	240	80	3 S B	WA3EYD	392	40	7 S ABCD
WD2AJS	410	82	5 S B	KB2VJZ	405	81	5 S B	WE2EA	15,949	313	49 S ABD	N2LPJ	189	63	3 S B	K3JJZ	284	56	4 S BC
KB2VJZ	405	81	5 S B	KA2EK	396	66	6 S AB	WB2EKB	1,584	131	11 S BCD	KJ6WS	165	55	3 S B	WA3HT	284	52	4 S BC
KA2EK	396	66	6 S AB	WB2VLA	325	65	5 S B	WB2VLA	1,468	137	17 S ABCD	K2DB	148	37	4 S B	WA3IWT	190	22	5 S ABC
WB2VLA	325	65	5 S B	KA2EY	315	41	7 S BD	WB2VLA	12,572	186	25 S ABD	KC3IE	201	27	6 S BCD	N3EMQ	120	30	4 S AB
KA2EY	315	41	7 S BD	WB2VW	310	62	5 S B	WB2VW	29,69	63	8 S BD	WB2BNJ	96	32	3 S B	N3FLE	69	23	3 S B
WB2VW	310	62	5 S B	KA2OP	308	22	7 S C	KA2OP	264	44	6 S B	KC3LE	52	12	4 S BD	W3CL	18	4	3 S ABD
KA2OP	308	22	7 S C	KE2UJ	305	48	5 S BD	WB2GEZ	168	28	3 S C	AG2Y	96	32	3 S B	WB3ISP	5	5	1 S B
KE2UJ	305	48	5 S BD	WB2RDX	302	53	6 S BD	WB2EFL	104	26	4 S AB	KO2T	88	22	4 S B	WA3YYC	3,052	101	28 ABCD
WB2RDX	302	53	6 S BD	WA2ARQ	352	33	8 S ABCD	WB2RDX	104	26	4 S AB	WA2CR	81	27	3 S B	K3OQ	2,321	155	11 O ABCD
WA2ARQ	352	33	8 S ABCD	N2LEX	340	68	5 S B	W2FGY	680	85	8 S B	N2LPQ	72	36	2 S B	N3FTI	1,008	72	14 Q AB
N2LEX	340	68	5 S B	WB2LC	325	65	5 S B	WB2GLA	372	74	4 S BC	WA2ALW	60	15	4 S B	WA3AXV (+WB3KRW)	267,902	878	149 MABCD9EFGH
WB2LC	325	65	5 S B	KA2LJ	325	22	9 S BD	WB2LC	1,470	293	21 S ABCD	WB2UTM	40	10	4 S B	W9RSJ (+N2MVP,NTV)			
KA2LJ	325	22	9 S BD	KA2LJ	230	21	10 S ABD	KA2LJ	1,568,600	804	124 MABCD9E	W9RSJ (+N2MVP,NTV)	89,062	520	98 MABCD9EFGH	W3CCX (N3ITT,WQ3X,WU3C,ops)			
KA2LJ	230	21	10 S ABD	KA2LJ	195	39	5 S B	KA2LJ	1,575	135	13 S B	KA2LJ	54,677	584	73 MABCD	K3EOD (+K3JJZ)			
KA2LJ	195	39	5 S B	WB2FU	104	26	4 S B	WB2FU	141,541	434	61 S ABCD9E	WB2LNU	28	5	4 S BD	WB2LNU	17,267	351	31 MABCD
WB2FU	104	26	4 S B	WA2P	85	15	5 S BD	WB2P	38,193	480	51 S ABCD9E	WB2LNU	54,677	584	73 MABCD	WB2LNU	17,267	351	31 MABCD
WA2P	85	15	5 S BD	N2LDR	368	38	8 S BD	WB2P	38,193	480	51 S ABCD9E	WB2LNU	54,677	584	73 MABCD	WB2LNU	17,267	351	31 MABCD
N2LDR	368	38	8 S BD	KA2KDY	305	61	5 S B	WB2P	33,394	304	59 S ABCD9EFG	WB2LNU	54,677	584	73 MABCD	WB2LNU	17,267	351	31 MABCD
KA2KDY	305	61	5 S B	WB2ZM	285	57	5 S B	N2NUM	29,000	391	50 S ABCD9E	WB2LNU	54,677	584	73 MABCD	WB2LNU	17,267	351	31 MABCD
WB2ZM	285	57	5 S B	KA2AME	75	9	5 S ABCD	WB2YY	18,468	365	38 S ABCD	WB2LNU	54,677	584	73 MABCD	WB2LNU	17,267	351	31 MABCD
KA2AME	75	9	5 S ABCD	WB2LX	130	21	5 S BC	WB2YY	14,742	493	21 S ABCD	WB2LNU	54,677	584	73 MABCD	WB2LNU	17,267	351	31 MABCD
WB2LX	130	21	5 S BC	N2NOU	120	30	4 S B	WB2ZM	14,174	267	38 S ABCD	WB2LNU	54,677	584	73 MABCD	WB2LNU	17,267	351	31 MABCD
N2NOU	120	30	4 S B	KA2DNO	85	18	5 S B	KA2APD	13,530	109	53 S ABCD9E	WB2LNU	54,677	584	73 MABCD	WB2LNU	17,267	351	31 MABCD
KA2DNO	85	18	5 S B	KA2DNO	85	18	5 S B	WB2P	13,560	240	40 S ABCD	WB2LNU	54,677	584	73 MABCD	WB2LNU	17,267	351	31 MABCD
KA2DNO	85	18	5 S B	KA2DNO	85	18	5 S B	WB2P	12,752	102	49 S ABCD	WB2LNU	54,677	584	73 MABCD	WB2LNU	17,267	351	31 MABCD
KA2DNO	85	18	5 S B	KA2DNO	85	18	5 S B	WB2P	12,753	273	39 S BCD	WB2LNU	54,677	584	73 MABCD	WB2LNU	17,267	351	31 MABCD
KA2DNO	85	18	5 S B	WB2P	368	38	8 S BD	WB2P	12,180	176	60 S ABD	WB2LNU	54,677	584	73 MABCD	WB2LNU	17,267	351	31 MABCD
WB2P	368	38	8 S BD	KA2DNO	9,990	264	30 S ABCD	WB2P	9,990	264	30 S ABCD	WB2LNU	54,677	584	73 MABCD	WB2LNU	17,267	351	31 MABCD
KA2DNO	9,990	264	30 S ABCD	WB2P	9,990	264	30 S ABCD	WB2P	9,990	264	30 S ABCD	WB2LNU	54,677	584	73 MABCD	WB2LNU	17,267	351	31 MABCD
WB2P	9,990	264	30 S ABCD	WB2P	9,990	264	30 S ABCD	WB2P	9,990	264	30 S ABCD	WB2LNU	54,677	584	73 MABCD	WB2LNU	17,267	351	31 MABCD
WB2P	9,990	264	30 S ABCD	WB2P	9,990	264	30 S ABCD	WB2P	9,990	264	30 S ABCD	WB2LNU	54,677	584	73 MABCD	WB2LNU	17,267	351	31 MABCD
WB2P	9,990	264	30 S ABCD	WB2P	9,990	264	30 S ABCD	WB2P	9,990	264	30 S ABCD	WB2LNU	54,677	584	73 MABCD	WB2LNU	17,267	351	31 MABCD
WB2P	9,990	264	30 S ABCD	WB2P	9,990	264	30 S ABCD	WB2P	9,990	264	30 S ABCD	WB2LNU	54,677	584	73 MABCD	WB2LNU	17,267	351	31 MABCD
WB2P	9,990	264	30 S ABCD	WB2P	9,990	264	30 S ABCD												

<b>Northern Florida</b>	KC6WLC 928 58 16 S B WB4JEM 6,000 106 48 S ABCDE N4TWX 2,516 61 37 S ABCD KB4IVR 42 7 6 S AB	K7VAY 320 40 8 S B N6QOA 468 39 9 S ABCD WA6EJO 28 4 2 S CE K16XG (+KA6WKL) 40 10 4 L B	K7VAY 320 40 8 S B KABSI 198 33 6 S AB WA6QNR 180 18 10 S A W3MMM 126 16 8 S B NI8O 126 9 7 S C W8XT 88 15 4 S ABCD N8DRX 72 12 6 S B KF8EF 20 9 2 S BD KE8YE 5 5 1 S B	WA6TKJ (+KB6DXL,NK6KC,WB6DRL) 37,760 206 118 L ABDE KA6KAN (+WQ0P) 3,480 54 40 L ABDE	KD2KQ (+KDSR) 155,952 558 152 R ABCD9EFG WB2YEH 76,314 491 69 R ABCD9EFG N2HKD 63,315 443 105 R ABCD WO2P 34,902 396 63 R ABCD WA2BPQ 32,805 520 45 R BCD N2EZS 30,276 383 58 R ABCD N2KXS 27,136 350 53 R ABCD WB3JYO (+W3IC) 22,848 235 42 R BCDEF	
<b>South Carolina</b>	KM4ID 2,774 62 38 S ABCD WD4JQV 1,216 33 19 S ABCDE W4VWV 16 4 4 S ABCD	<b>Santa Clara Valley</b> AA6PA 3,745 94 35 S ABCD AJ6T 2,900 116 25 S AB KFCU 1,792 54 28 S ABCD N6WIG 1,168 55 16 S BDE K6FV 1,044 53 18 S ABC K86NAN 152 19 8 S A WF6T (+KF6GL) 352 29 11 L BD	K7VAY 320 40 8 S B N6QOA 468 39 9 S ABCD WA6EJO 28 4 2 S CE K16XG (+KA6WKL) 40 10 4 L B	WA6TKJ (+KB6DXL,NK6KC,WB6DRL) 37,760 206 118 L ABDE KA6KAN (+WQ0P) 3,480 54 40 L ABDE	WB2YEH 48,152 302 104 S ABCD9EFG K8BZQ 19,312 204 68 S ABCD WB6GGM 11,407 126 61 S ABCDE WD6CJM 6,419 109 49 S BD K8BZQ 3,828 79 33 S ABCDE K8BZP 854 57 14 S ABCD KFBAD 720 45 16 S B N8BSG 572 52 11 S B W8PHD 298 15 12 S BDE K8TDS 136 32 4 S BCD N8BKK 88 21 4 S BD W8OHU 84 15 4 S BD W8T7D 68 17 4 S B K8MAA 60 20 3 S B WB2V 48 16 3 S B N8BCB 40 20 3 S B WBVB 38 19 2 S B N6VB 36 8 4 S BC K8BYI 36 18 2 S B K8BZC 28 14 2 S B KFBPT 26 13 2 S B WD6HHH 24 12 2 S B N9CIO 24 8 3 S B K8CEM 12 6 2 S B WB6EJI 8 8 1 S B K5CPD/0 8 4 2 S B WB6LSG 7 7 1 S B	
<b>Southern Florida</b>	W3ZR 2,618 69 34 S ABCD WD4AHZ 377 24 13 S BD	W8OYJ 884 49 15 S BCD K1CT/6 369 29 9 S BCD K6ZE 210 35 6 S B W6PFE 107 23 8 S AB K86MEG 5,313 171 21 Q ABCD	W8ULC (+KABSSB,KB8s IPK,KG N4EGT,N8OMW,WB9VU,WF8Z) 54,563 386 127 L ABCD	WB6TKJ (+KB6DXL,NK6KC,WB6DRL) 24,319 251 63 MABCDE W8ULC (+KABSSB,KB8s IPK,KG N4EGT,N8OMW,WB9VU,WF8Z) 54,563 386 127 L ABCD	K2E2MK 22,032 352 48 R ABCD K2ET 17,950 273 50 R ABCD KB2HVL 13,018 189 46 R BCD KB2SE 9,744 260 28 R BDI KB2LWT 8,632 104 52 R ABCD K2OID 7,470 219 30 R BC KB6CSP 6,222 176 34 R ABD N2KZF 5,805 147 27 R BD KB2LXA 5,075 176 25 R BC N2UJ 4,224 81 32 R BCD WA1ZYY 4,060 57 28 R ABCD9EFG WA2LCC 2,368 148 16 R B K3DLS 1,880 156 8 R BC KB2UW 1,875 125 15 R B N3KWO 448 60 7 R BD N2PBL 185 37 5 R B WU3C 63 21 3 R B N3ITT 36 18 2 R B	
<b>Tennessee</b>	KC4YQ 12,896 142 69 S ABCD9E N4VC 9,216 114 72 S ABCD KF4FL 3,526 72 41 S ABCD N4OYS 3,430 69 35 S ABCD NM4MJ 648 36 18 S B KC4QWZ 630 35 18 S B	W8OYJ 884 49 15 S BCD K1CT/6 369 29 9 S BCD K6ZE 210 35 6 S B W6PFE 107 23 8 S AB K86MEG 5,313 171 21 Q ABCD	W8OYJ 884 49 15 S BCD K1CT/6 369 29 9 S BCD K6ZE 210 35 6 S B W6PFE 107 23 8 S AB K86MEG 5,313 171 21 Q ABCD	WB6TKJ (+KB6DXL,NK6KC,WB6DRL) 24,319 251 63 MABCDE W8ULC (+KABSSB,KB8s IPK,KG N4EGT,N8OMW,WB9VU,WF8Z) 54,563 386 127 L ABCD	K2E2MK 22,032 352 48 R ABCD K2ET 17,950 273 50 R ABCD KB2HVL 13,018 189 46 R BCD KB2SE 9,744 260 28 R BDI KB2LWT 8,632 104 52 R ABCD K2OID 7,470 219 30 R BC KB6CSP 6,222 176 34 R ABD N2KZF 5,805 147 27 R BD KB2LXA 5,075 176 25 R BC N2UJ 4,224 81 32 R BCD WA1ZYY 4,060 57 28 R ABCD9EFG WA2LCC 2,368 148 16 R B K3DLS 1,880 156 8 R BC KB2UW 1,875 125 15 R B N3KWO 448 60 7 R BD N2PBL 185 37 5 R B WU3C 63 21 3 R B N3ITT 36 18 2 R B	
<b>Virginia</b>	N4HB 31,955 255 77 S ABCD9E K9OYD/4 23,046 195 72 S BC9E WB6CM 11,033 153 59 S ABCD WR3L 6,854 101 46 S ABCD K4FTO 5,291 122 37 S ABCD W4D0 5,000 80 40 S ABCDE KV3H 4,688 153 26 S BD KC4ATU 3,144 131 24 S B WB4NF5 2,966 106 26 S ABCD AB4SF5 2,139 79 23 S ABCD WA1ZXZ 938 67 14 S B WD4W 720 36 15 S ABCD KE8Y/G/4 405 25 15 S ABCD WA4MMP 176 13 11 S ABCD W4LMJ 60 15 4 S AB KA4RRU 30 10 3 S B	W8OYJ 884 49 15 S BCD K1CT/6 369 29 9 S BCD K6ZE 210 35 6 S B W6PFE 107 23 8 S AB K86MEG 5,313 171 21 Q ABCD	W8OYJ 884 49 15 S BCD K1CT/6 369 29 9 S BCD K6ZE 210 35 6 S B W6PFE 107 23 8 S AB K86MEG 5,313 171 21 Q ABCD	WB6TKJ (+KB6DXL,NK6KC,WB6DRL) 24,319 251 63 MABCDE W8ULC (+KABSSB,KB8s IPK,KG N4EGT,N8OMW,WB9VU,WF8Z) 54,563 386 127 L ABCD	K2E2MK 22,032 352 48 R ABCD K2ET 17,950 273 50 R ABCD KB2HVL 13,018 189 46 R BCD KB2SE 9,744 260 28 R BDI KB2LWT 8,632 104 52 R ABCD K2OID 7,470 219 30 R BC KB6CSP 6,222 176 34 R ABD N2KZF 5,805 147 27 R BD KB2LXA 5,075 176 25 R BC N2UJ 4,224 81 32 R BCD WA1ZYY 4,060 57 28 R ABCD9EFG WA2LCC 2,368 148 16 R B K3DLS 1,880 156 8 R BC KB2UW 1,875 125 15 R B N3KWO 448 60 7 R BD N2PBL 185 37 5 R B WU3C 63 21 3 R B N3ITT 36 18 2 R B	
<b>5</b>			9			
<b>Arkansas</b>		<b>Eastern Washington</b>				
KB5NPG	522 29 18 S B	N6KBX 3,468 102 34 S AB K6AWA 2,325 75 31 S B WF6J 720 37 18 S BD W6LLP 299 18 13 S BCD N6EGN 80 10 8 S B	N6KBX 3,468 102 34 S AB K6AWA 2,325 75 31 S B WF6J 720 37 18 S BD W6LLP 299 18 13 S BCD N6EGN 80 10 8 S B	N6KBX 3,468 102 34 S AB K6AWA 2,325 75 31 S B WF6J 720 37 18 S BD W6LLP 299 18 13 S BCD N6EGN 80 10 8 S B	WB6TKJ (+KB6DXL,NK6KC,WB6DRL) 24,319 251 63 MABCDE W8ULC (+KABSSB,KB8s IPK,KG N4EGT,N8OMW,WB9VU,WF8Z) 54,563 386 127 L ABCD	
<b>Louisiana</b>	N5KWB 6,960 115 48 S ABCD WB5FY2 1,080 45 24 S AB KC6ARU 656 41 16 S B N5QAZ 25 5 5 S B	Idaho	WB6TKJ (+KB6DXL,NK6KC,WB6DRL) 24,319 251 63 MABCDE W8ULC (+KABSSB,KB8s IPK,KG N4EGT,N8OMW,WB9VU,WF8Z) 54,563 386 127 L ABCD	WB6TKJ (+KB6DXL,NK6KC,WB6DRL) 24,319 251 63 MABCDE W8ULC (+KABSSB,KB8s IPK,KG N4EGT,N8OMW,WB9VU,WF8Z) 54,563 386 127 L ABCD		
<b>New Mexico</b>	WSFF 1,020 34 30 S A K5WJY 324 20 12 S ABCD K5RHR 288 24 8 S BCD	Nevada	WB6TKJ (+KB6DXL,NK6KC,WB6DRL) 24,319 251 63 MABCDE W8ULC (+KABSSB,KB8s IPK,KG N4EGT,N8OMW,WB9VU,WF8Z) 54,563 386 127 L ABCD	WB6TKJ (+KB6DXL,NK6KC,WB6DRL) 24,319 251 63 MABCDE W8ULC (+KABSSB,KB8s IPK,KG N4EGT,N8OMW,WB9VU,WF8Z) 54,563 386 127 L ABCD		
<b>North Texas</b>	KM5X 25,017 228 93 S ABCD N5WS 23,532 202 74 S ABCD9E AA5C 8,554 107 47 S ABCD9EFG WD5EWD 7,050 129 50 S ABCD AA5IB 2,970 68 33 S ABCD NS5NB 2,231 97 23 S B KF5PE 2,116 70 23 S BDE N5HOJ 1,140 60 19 S B WB6VX 916 46 18 S ABCD N4CD 44 11 4 S AB WBQ5S (+AA5AM5,KY5N) 43,240 267 94 MABCDF9EFG KSQBM (AA5IB,KISLM,N56 DLS,FLG, SKT,SUR,UTI,W5FO,WB0OG,ops) 3,924 91 36 L ABCD	Oregon	WB6TKJ (+KB6DXL,NK6KC,WB6DRL) 24,319 251 63 MABCDE W8ULC (+KABSSB,KB8s IPK,KG N4EGT,N8OMW,WB9VU,WF8Z) 54,563 386 127 L ABCD	WB6TKJ (+KB6DXL,NK6KC,WB6DRL) 24,319 251 63 MABCDE W8ULC (+KABSSB,KB8s IPK,KG N4EGT,N8OMW,WB9VU,WF8Z) 54,563 386 127 L ABCD		
<b>Utah</b>	N7JGO 969 48 19 S ABCD N7AVU 765 38 17 S ABCD WB6BLK/7 253 23 11 Q	Utah	WB6TKJ (+KB6DXL,NK6KC,WB6DRL) 24,319 251 63 MABCDE W8ULC (+KABSSB,KB8s IPK,KG N4EGT,N8OMW,WB9VU,WF8Z) 54,563 386 127 L ABCD	WB6TKJ (+KB6DXL,NK6KC,WB6DRL) 24,319 251 63 MABCDE W8ULC (+KABSSB,KB8s IPK,KG N4EGT,N8OMW,WB9VU,WF8Z) 54,563 386 127 L ABCD		
<b>Western Washington</b>	WB7YQZ 9,036 162 36 S ABCD9E WB7QV 7,950 197 30 S ABCDE K7NJD 4,384 99 32 S ABCD K7HSJ 330 25 11 S ABCDE	Western Washington	WB6TKJ (+KB6DXL,NK6KC,WB6DRL) 24,319 251 63 MABCDE W8ULC (+KABSSB,KB8s IPK,KG N4EGT,N8OMW,WB9VU,WF8Z) 54,563 386 127 L ABCD	WB6TKJ (+KB6DXL,NK6KC,WB6DRL) 24,319 251 63 MABCDE W8ULC (+KABSSB,KB8s IPK,KG N4EGT,N8OMW,WB9VU,WF8Z) 54,563 386 127 L ABCD		
<b>Michigan</b>	N7JGA 3,225 75 25 S ABCDEF WB7PXD 2,520 62 20 S BDEF WB7PIB 1,666 75 17 S ABCD WB7REL 714 34 17 S ABCD KAT7PH 80 11 5 S BD	Michigan	WB6TKJ (+KB6DXL,NK6KC,WB6DRL) 24,319 251 63 MABCDE W8ULC (+KABSSB,KB8s IPK,KG N4EGT,N8OMW,WB9VU,WF8Z) 54,563 386 127 L ABCD	WB6TKJ (+KB6DXL,NK6KC,WB6DRL) 24,319 251 63 MABCDE W8ULC (+KABSSB,KB8s IPK,KG N4EGT,N8OMW,WB9VU,WF8Z) 54,563 386 127 L ABCD		
<b>8</b>		Wisconsin	WB6TKJ (+KB6DXL,NK6KC,WB6DRL) 24,319 251 63 MABCDE W8ULC (+KABSSB,KB8s IPK,KG N4EGT,N8OMW,WB9VU,WF8Z) 54,563 386 127 L ABCD	WB6TKJ (+KB6DXL,NK6KC,WB6DRL) 24,319 251 63 MABCDE W8ULC (+KABSSB,KB8s IPK,KG N4EGT,N8OMW,WB9VU,WF8Z) 54,563 386 127 L ABCD		
<b>South Texas</b>	KB5UI 18,228 193 84 S ABCD WB5OB5 14,570 180 62 S ABCDE KC5CFP 8,228 117 68 S ABCD W5OZI 2,816 64 44 S AB W3XO/5 964 41 24 S A KA5PVB 63 9 7 S A	Wyoming	WB6TKJ (+KB6DXL,NK6KC,WB6DRL) 24,319 251 63 MABCDE W8ULC (+KABSSB,KB8s IPK,KG N4EGT,N8OMW,WB9VU,WF8Z) 54,563 386 127 L ABCD	WB6TKJ (+KB6DXL,NK6KC,WB6DRL) 24,319 251 63 MABCDE W8ULC (+KABSSB,KB8s IPK,KG N4EGT,N8OMW,WB9VU,WF8Z) 54,563 386 127 L ABCD		
<b>6</b>						
<b>East Bay</b>	WB6PFJ (+WB6LRV) 9,618 167 42 L ABCD					
<b>Los Angeles</b>	AJ6F 9,990 170 37 S ABCDE WA6RAY 3,120 124 20 S ABCD W6GCV 1,635 84 15 S BD AB8CX 342 36 9 S ABCD KC6SX 322 46 75 S B N6TCZ 140 16 55 S BC N6RVC 80 16 5 S B WB2DHD/6 23,850 273 50 Q ABCD9EFG K5AKS 2,540 127 20 Q AB W6TRW (K6e AWO,AYK,BK6TVJ, KC6ROQ,N6CIZ,WA6ZOU,N9CZA,ops) 2,700 103 20 MABCDE N6RMJ (+K2LCT) 19,292 266 53 L ABCD					
<b>Orange</b>	K5IBY 9,804 184 38 S ABCD WB6FC5 8,299 155 43 S ABCD K5FF 1,428 119 12 S B	Ohio	WB6TKJ (+KB6DXL,NK6KC,WB6DRL) 24,319 251 63 MABCDE W8ULC (+KABSSB,KB8s IPK,KG N4EGT,N8OMW,WB9VU,WF8Z) 54,563 386 127 L ABCD	WB6TKJ (+KB6DXL,NK6KC,WB6DRL) 24,319 251 63 MABCDE W8ULC (+KABSSB,KB8s IPK,KG N4EGT,N8OMW,WB9VU,WF8Z) 54,563 386 127 L ABCD		
<b>Santa Barbara</b>	KC6WLC 2,052 114 18 S B K1FJM/6 1,972 116 17 S AB K5VMN 1,862 90 19 S ABCD WA6JOX 1,260 65 15 S ABCD WB6MP 1,066 74 13 S BD	Kansas	WB6TKJ (+KB6DXL,NK6KC,WB6DRL) 24,319 251 63 MABCDE W8ULC (+KABSSB,KB8s IPK,KG N4EGT,N8OMW,WB9VU,WF8Z) 54,563 386 127 L ABCD	WB6TKJ (+KB6DXL,NK6KC,WB6DRL) 24,319 251 63 MABCDE W8ULC (+KABSSB,KB8s IPK,KG N4EGT,N8OMW,WB9VU,WF8Z) 54,563 386 127 L ABCD		
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