



ARRL Sweepstakes CW

2011 Results

By Kelly Taylor VE4XT (ve4xt@mts.net)

Frazier vs. Ali, Mets vs. Yankees, Bruins vs. Canadiens, Trott vs. Martin — excuse me?

Yes, it's been shaping up that way for about the past ten years, at least as far as the ARRL November CW Sweepstakes are concerned. Matt Trott, K7BG and Randy Martin, KØEU have been battling in Single Operator, Low Power for at least as long as the online records database goes back, to 2001. And some of those have been epic battles between the two — in 2001, Randy beat Matt by only three QSOs.

While it hasn't always been Randy and Matt splitting No.1 and No.2, when it has it's been Randy coming out on top. Not this year. Matt's shaken his bridesmaid status with a convincing 32-QSO victory over his Colorado friend. "I've felt (that it would be my year) many times over the last eight or ten years," Matt said. "I knew I was working the bands pretty well, so I thought I had a good shot at it again this year and by gum I guess I got lucky finally."

Sweepstakes is a contest that's almost as old as ham radio itself and it remains one of the most-popular domestic contests. A lot of that has to do with The Sweep — it's one of a few major contests where you can — and lots of people regularly do — work all of the multipliers. Canada and the U.S. are split up into 80 sections as multipliers (83 beginning this year, more on that later) and many stations find the challenge of working all 80 to be their main motivation.

Some stations even set 80-in-80 — working nothing but new sections — as a particular challenge and if there was an award for 80-in-80, this year it goes only to John, N6MU whose 80-in-80 in Single-Operator, Low Power survived log checking. VE9AA came close, working 79-in-79. It's not easy for a few reasons: you have to make sure your log is golden (zero copying errors) because if you lose any QSOs to log checking, you miss your target. As well, you can really only do it by search-and-pounce (S&P), which is hard since some stations in some of the rarer sections also only work S&P. Indeed, it took John six hours to work his 80.

2011 CW Sweepstakes - Top Ten by Category			
CALL	SCORE	CALL	SCORE
Single Operator, High Power		Single Operator Unlimited, Low Power	
N2IC	235,520	KK7S	168,480
N9RV	232,000	VA2WA (VA2WDQ, op)	167,840
VY2ZM (K1ZM, op)	229,760	KE7X	167,360
NØNI (AG9A, op)	227,040	K2NNY (K2DB, op)	165,760
KH7X (KH6ND, op)	219,360	K8BL	158,080
N5RZ	218,720	N9CO	156,000
N2NT (N2NC, op)	216,000	N4PN	154,720
WDØT	215,360	K3AU (K2YWE, op)	154,080
K6LA	212,000	ACØDS	143,040
W7RN (N6TV, op)	210,720	N2MM	140,000
Single Operator, Low Power:		Multioperator, High Power	
K7BG	192,960	W6YI	225,600
KØEU	187,680	W2FU	208,800
NAØN	183,680	KP2M	205,920
N9CK	178,066	VE6EX	190,720
N8OO	175,040	W5RU	189,440
N7VM	174,560	WØDLE	183,680
KØLUZ	171,520	KØBJ	182,880
NO3M	169,920	W4RM	169,280
W7WA	169,760	W6TK	163,200
KØAD	168,640	N6WIN	160,320
Single Operator, QRP		Multioperator, Low Power	
W7RM (N6TR, op)	145,518	NP4DX	181,760
K4RO	124,030	N6KI	128,320
WØMHS	119,520	K3LID	100,800
NØUR	115,340	KØUK	79,772
NN7SS (K6UFO, op)	114,080	WR4I	69,888
KØPC	113,568	VE4DR	60,532
KØAV	112,320	WA6KYR	52,128
W1XX	109,512	WDØGTY	35,568
N7IR	109,336	N2AW	16,048
K9ZO	108,546	KK5OV	12,480
Single Operator Unlimited, High Power		School Club	
N6RO	210,560	W6YX	213,600
K6LL	210,080	KØHC (WØBH, op)	179,040
K3MM	209,120	W4UAL	55,616
W4MR (AA4NC, op)	204,160	W3ABT (K3BHX, op)	53,592
N4ZZ	200,480	N5XU (AA5BT, op)	36,656
NY3A	196,800		
K7NV	193,600		
KB7Q	185,120		
K6SRZ	184,640		
N4BP	182,720		

So it's a contest with something for everyone. Part of its continuing appeal is the carefully considered rule changes that come in from time to time. The latest big change — introduced in 2011 — was the addition of the Unlimited, Low Power and Multioperator, Low Power categories, which gives stations who wish to use spotting or multiple operators but don't wish to use high power a chance to compete.

Single Operator, Low Power (A) Category

The biggest category by a large margin with 611 operators entered was won by Matt, K7BG who edged his friend and longtime rival Randy, KØEU 192,960 to 187,680. Matt, who travelled to Denver in 2010 to visit Randy and see his station, credits improved high-band propagation for the win. "Propagation seemed good all the way around," he said. "I had all the mults in the bag by 0600Z the first night. That took the pressure off to go mult hunting on Sunday. Hats off to Randy for the manifold wins he has had in this category over the years. It will be a long, long time before anybody comes close to his phenomenal performance."



When you are operating portable in Yellowstone National Park's Lamar Valley, the old ways are a little easier. Jim K7WA7 put Wyoming in a lot of logs, bagging his own Clean Sweep in the process. (Photo by K7WA)

Matt said that one of the tricky parts of SS is strategizing time off. The contest runs for 30 hours, but you can only work 24. Studying past rate sheets is his key to choosing breaks. He allowed that one of his strategies is to keep some operating time available for the last few hours of the contest. "I always do. There always seems to be good activity as stations get on for a few hours and try out their pile-up handling skills. All new stations that get on the last hour or two are rare DX to the stations that are trying to find somebody new to work." In the bigger categories, you didn't make Top 10 if you didn't work all 24 hours.

Where does he go from here? "The trick to increases in score from here on out will be to develop skills in working part-time stations on Saturday who may just show up for an hour or two to run some stations of their own. If I am running and not finding them, they may not be around on Sunday when I will be doing more S&P with the second radio."

Pat, NAØN came in third, a rare achievement for a station from Minnesota. "This is my first Top 10 in SS and this is the first time that I have won the MN section in SS, so it feels really good," Pat said. He credits the tough competition fostered by the Minnesota Wireless Association, which perennially puts Al, KØAD; Kirk, NØKK and Ron, NØAT into competitive positions in many major contests. "Every year

my goal is to win the section but it is really hard. From the on-air serial numbers, I could tell I had the lead this year but I knew I couldn't let up because recently our section has had a lot of virtual ties at the top. The rivalries that I have now with KØAD, NØKK, and NØAT really keep things interesting."

Single Operator, High Power (B) Category

Fellow QST author Steve, N2IC returned to competition for 2011 and returned to the top of the podium. Hot on his heels was Pat, N9RV who missed Steve's mark by 22 QSOs. Like A-category winner K7BG, Pat's Montana QTH seems to be benefitting from increased high-band propagation. Pat beat or matched Steve on all bands but 15, where Steve's 352 QSOs to Pat's 211 made the difference. Pat scored 345 QSOs on 10 to Steve's 270, but the 10 meter gains weren't enough to offset that 15 meter advantage.

Pat said he's not worried about band-by-band results since you can only work a station once. For someone who says he's still "learning the ropes" of SS, he's doing pretty well, having tied for first last year and missing the title this year by a nose.

"I wouldn't call getting beat by 22 Q's a 'dead heat.' But you are charitable to call it that," he said. "About the only strategy I can think of is off times. Other than that, with two radios you CQ on one band and tune on the other and band change when rate feels like it's needed. Maybe that's why I'm No.2 instead of No.1."

As a domestic contest, there aren't a lot of exotic call signs in SS, but Jeff, K1ZM probably has one that alone is good for a few decibels even if the section itself isn't all that rare: VY2ZM. Jeff drove the Prince Edward Island station to No. 3 in the B-category while making about a quarter of all QSOs logged with Maritime-section stations.

Mark, AG9A whose effort last year at NØNI resulted in a rare tie with Pat, N9RV atop B-category, was fourth.

Single Operator, QRP (Q)

There's a TV show called "Glutton for Punishment" in which host Bob Blumer has competed in eating stinging nettles, husking coconuts, and cycling up an infamous Tour de France stage to the peak of Alp d'Huez. But he's never faced the true punishment: facing off against some of the world's best operators in a contest with arguably the most complex exchange around, using just five watts of power.

Tree, N6TR who still holds the QRP record from a 2002 effort at W5WMU, won QRP for 2011 with 145,518 points. Kirk, K4RO took second, followed by W0MH5. Fourth through sixth was a tight race with less than 2,000 points between Nos. 4 and 6: N0UR, NN7SS (K6UFO, op.) and K0PC fought hard. K0AV, W1XX, N7IR and K9ZO round out the Top Ten in QRP.

Single Operator, Unlimited, High Power (U)

The sun rising in the east, the Charlotte Bobcats losing another game — and N6RO and K6LL at the top of the Unlimited category. There are some things you can just count on. Unlimited allows operators to use spotting but since most top stations work all available multipliers quite quickly, it's also handy for finding new stations to work. You can only work each station once so every new one is welcome, particularly on Sundays.

"I somehow managed to squeeze by Dave, K6LL again but it was the hardest work I've ever done in SS," said Ken, N6RO.

Ken credits "relentless SO2R on Sunday" and an early rise on Sunday to capture some great rates for the win. "Gets harder every golden year," he said. "I'll be 75 for the next one, which will be CW SS No. 59 for me."

When Ken said "squeeze," he wasn't kidding. His 1,316 QSOs just nudged out Dave's 1,313. Both earned a sweep. Indeed, only nine QSOs separated Ken from No. 3 Ty, K3MM. As propagation ramps up, expect this battle to be quite hot again this year.

Unlimited is the second most-popular category with 272 logs, yet the scores are routinely lower than the top scores in Single Operator, High Power. The reason for that may be nothing more than geography. The Top 5 stations in U were each the top station in their sections regardless of category, sometimes by large margins. Some sections just get better skip angles than others and the hottest sections seem to have a propagation pipeline into the heart of the US ham population centered, approximately, on Ohio.

Single Operator, Unlimited, Low Power (UL)

New for 2011, the Unlimited, Low Power category is a place to play for those with access to spotting but who don't have or don't wish to use an amplifier. Like A-category, 150 watts is the maximum allowed. UL was quickly embraced by

operators. With 148 logs, it was the fourth most-popular category. The category was won by Chadd, KK7S from WWA.

A Sampling Of Sweepstakes Stations

NE9U: Yaesu FT1000D, ICOM IC-765, Amp Supply LK-500Z amplifier; Cushcraft A4 @56 feet, 80/40 sloper, fan dipole at 15 feet and 160-m inverted L. Wish list: 40m beam or higher dipole.

W6YX: Yaesu FT1000MP and FT1000MP MkV, Elecraft K3; six-element monobanders for 20/15/10, five-element monobanders for 20/15/10, Force 12 C31XR, Mosley Pro67A, M2 four-element 40-m Yagi, inverted vees for 40 and 80.

N9CO: Yaesu FT1000MP, Kenwood TS930; four-element 20m monobander @85'; Cushcraft XM240 @95'; five-element 15-m monobander, wires for 80 and 160.

NA0N: Pair of ICOM IC-7600s; Cushcraft A3S @50'; trap dipole for 40-160, Hustler 5BTV "with no radials" for the second radio.

K8BL: ICOM IC-7700; four-element TET tribander, double bazooka vees for 40 and 80.

VE3KI (@VE3FU): Elecraft K3, Kenwood TL-922; Hy-Gain TH5 @70', Hy-Gain 402 BA (2-el. 40-m) @70' and 80-m vertical.

N6RO: Pair of Elecraft K3s, Alpha 76 amplifiers; stacked Yagis from 40 to 10 meters and four-squares on 80 and 160. Tables (heading for section in Notes style)

"I really like the Unlimited, Low Power category! It's hard enough finding new sections to work and then actually working the rare ones with low power. Being able to see them on a spotting network is extremely helpful!" said Bob, K8BL whose 158,080 points were good for a victory in UL in the Central Region and No.5 in UL overall.

Coming in second was VA2WA, piloted by Victor, VA2WDQ who narrowly beat out Fred, KE7X. K2NNY (Paul, K2DB, op.) was fourth from Northern New York. (Isn't it cool when call signs actually indicate the section, too?)

Multioperator, High Power (M)

Unlike 48-hour marathons, SS — with a 24-hour limit — doesn't earn a huge following in Multioperator categories. But those who play multiop all seem to have fun doing it. M-category can be quite the production, too, with some great food to fuel the troops and some excellent camaraderie.

W6YI (+K6AM, N6AN and N6MJ) rode to a large victory over No. 2 W2FU (+N2ZN and K2TJ) with 105 more QSOs. KP2M (N3XF, W1EQ and K1ZE) in the Virgin Islands placed third and Alberta's VE6EX was fourth.

Multioperator, Low Power (ML)

Also a new category for 2011, ML wasn't embraced as heartily as was Unlimited, Low Power with 14 logs entered. But it appears to be a great introduction to SS with an inspirational appearance in Top 10 available to stations who otherwise wouldn't.

NP4DX (NØAX, KX9X ops.) won ML with 181, 760 points and 1,136 QSOs, which is an excellent result for a station limited to 150 watts. That score would have put them into eighth place in multioperator against stations with the full 1500 watts available. (See ncjweb.com for an article about NP4DX!)



Ward, NØAX (L) and Sean, KX9X took a vacation expedition to Arecibo, Puerto Rico to take first place in the new Multioperator, Low Power category. One of their team mascots, Wilson — a coconut, kept things flowing smoothly throughout the contest. (Photo by NØAX)

N6KI (+WB6NBU, W6RW, N6CY) placed second at 128,320 points followed by K3LID. KØUK was fourth, WR4I fifth and in sixth place was VE4DR (VE3BXI and VA7DZ, ops.). WA6KYR (+AA6TH), WDØGTY (+N5PJ), N2AW (+WA3OFC) and KK5OV (+KB5ZSK) round out Top 10.

School Club (S)

With all the fine schools throughout Canada and the United States it would be good to see more entries in this category which is designed to help Elmer students and staff into Amateur Radio contesting. A recent change opened up the category to alumni (previously, only current students and staff could enter) which should make it more attractive for hams to go back to their alma mater and get more people involved in the category.



(L-R) Rebecca Rich KBØVVT, Mike Heideman N7MH, and Nick Ulman KZ2V were three of the operators piloting the Stanford Radio Club to first place in the School Club category. (Additional operator NF1J not shown)

A record was set in 2011, with W6YX at Stanford University at 213,600. Operators were KBØVVT, NF1R, KZ2V and N7MH. Mike, N7MH said he was excited to join School category when it was opened up to alumni. For the previous two years, he said he operated the station as a single-op and said the site was shared with a multioperator operation, which limited availability of SO2R and required co-operation in band changes. For 2011 they had free run and used it to maximum advantage with three radios (one running, two for spots) locked out with software to prevent more than one signal on the air at any time.

In second place was Bob, KØBH, operating KØHC at Hesston College in Kansas. The only other stations in the category in order of finish, were W4UAL, W3ABT (K3BHX,op.) and N5XU (AA5BT, op.).

The low entry count is something Mike, N7MH and Rebecca, KBØVVT lament. "I would like to see at least one School Club category entry for each of the 80 ARRL sections," Rebecca wrote (prior to the addition of three new sections for 2012).

Regional Competition

Because geography clearly favors some stations more than others, a statistic that is closely followed by some are regional breakdowns, either by ARRL regions or by individual sections.

“I haven't made Top Ten very often due to having a modest station on a city lot,” writes Bob, K8BL who not only won the Central Region title in Unlimited, Low Power, he placed No. 5 overall. “But I always compare my scores against folks I know, just for needling rights and to know who to congratulate when I run across them. It's not an ego thing for me and I'm happy when I see friends do well.”

Sharing that opinion is Charlie, N9CO who just missed the Central Region title in UL and No.6 overall by 2,080 points, or 13 QSOs. “There are a lot of great operators in Northern Illinois and Southern Wisconsin, and I'd give myself an inferiority complex if I placed too much emphasis on ‘keeping up’ with these guys,” he said. “That being said, it is nice to beat one of them on occasion, but it doesn't happen very often.”

Richard, VE3KI doesn't watch the regional races that closely but he does like to compare his efforts against other Ontarians and Canadians. In that regard, he did sneak out a win over Tony, VE3RZ.

“I was aware that VE3RZ and I were pretty close and although his claimed score was four QSOs ahead of mine, I'm pleased to see that I squeaked past him by four QSOs in the results. I'm also pleased to see that I only lost 8 QSOs in the log checking, a drop of less than 1 per cent from my claimed score,” Richard said.

Tony, VE3RZ responds that his greatest rival is himself which can be a very healthy way to look at contesting. “The most important comparison remains my own score in previous years. I am always striving to do better,” he said.

If Richard, VE3KI is looking over his shoulder at VE3RZ, here's what he can expect Tony said: He wants to swap out his phased pair of 40 meter verticals for a four-square and change his 160 meter inverted-L into a top-loaded vertical with sloping wires. He's also planning to make the leap to SO2R using his ICOM IC-756 PRO and Elecraft K2/100.

Charlie, N9CO sees accuracy as his main stumbling block. “I always get hammered by log checking,” he said. “Don't get me wrong: it's a great thing and I'm glad that it is being done. I try to use the information to better myself but seem to be stuck in a rut.”

Using the Online Database

There are a number of ways you can compare your score against others. With the online database you can sort by section, by category, and by club membership. It is a meaningful way to add context to your efforts, to find ways to

improve your score, and to gain inspiration you might lack if you only focus on the Top 10.

See you in November!

The 2012 November CW Sweepstakes runs from 2100 UTC Nov. 3 to 0259 UTC Nov. 5. A sweep will be a little harder this year as the Canadian province of Ontario has been split into four sections that are yet to be named, growing the section count to 83. There will be a Greater Toronto section (like LAX or SF), and eastern, central and western Ontario sections. Names and section abbreviations will be announced in due course – make sure your logging software is up to date next year. Dust off your paddle (and broom) and get ready for some contesting fun!

Division Winners

CALL	CATEGORY	SCORE	CALL	CATEGORY	SCORE
Atlantic			New England		
NO3M	A	169920	K1BX	A	165760
AA3B	B	203680	K8PO	B	196000
W2FU	M	208800	WA1QKT	ML	480
K3LID (WM3O, op)	ML	100800	W1XX	Q	109512
K2ZR	Q	99176	W1SJ	U	160320
W3ABT (K3BHX, op)	S	53592	W1WBB	UL	104480
K3MM	U	209120	K7BG	A	192960
K2NNY (K2DB, op)	UL	165760	Northwestern		
Canada			N9RV	B	232000
VE5ZX	A	146560	K7GT	M	81212
YY2ZM (K1ZM, op)	B	229760	W7RM (N6TR, op)	Q	145518
VE6EX	M	190720	KB7Q	U	185120
VE4DR	ML	60532	KK7S	UL	168480
VA3DF	Q	97032	Pacific		
VE3KI (@ VE3FU)	U	158080	KF6T	A	155360
VA2WA (VA2WDQ, op)	UL	167840	KH7X (KH6ND, op)	B	219360
Central			W6BO	M	18620
N9CK	A	178066	W6JTI	Q	102400
W9RE	B	209120	W6YX	S	213600
K9SD	M	73766	N6RO	U	210560
K9ZO	Q	108546	K7GK	UL	95940
NE9U	U	159200	Roanoke		
N9CO	UL	156000	N4UA	A	123714
Dakota			N4AF	B	198400
NA0N	A	183680	W4RM	M	169280
WD0T	B	215360	WR4I (NG3K, op)	ML	69888
K0HB	M	151200	W7IY	Q	104052
N0UR	Q	115340	W4MR (AA4NC, op)	U	204160
K1KD	U	167360	K4XD	UL	131840
K0MPH	UL	131930	Rocky Mountain		
Delta			K0EU	A	187680
N8OO	A	175040	N2IC	B	235520
W04O	B	141094	W0DLE	M	183680
W5RU	M	189440	K0UK	ML	79772
K4RO	Q	124030	K0AV	Q	112320
N4ZZ	U	200480	W0ZA	U	170400
N4DW	UL	129920	AC0DS	UL	143040
Great Lakes			Southeastern		
W1NN	A	161760	K0LUZ	A	171520
W5MX	B	185760	NP2X	B	195520
W8EDU	M	147200	KP2M	M	205920
K4BRI	ML	11152	NP4DX	ML	181760
N5EE	Q	93288	N4JF	Q	99066
K8BZ	U	99200	W4UAL	S	55616
K8BL	UL	158080	N4BP	U	182720
Hudson			N4PN	UL	154720
W2LK	A	144320	Southwestern		
N2NT (N2NC, op)	B	216000	AA6PW	A	152000
AB2DE	M	38710	K6LA	B	212000
KR2Q	Q	85488	W6YI	M	225600
W2VQ	U	97920	N6KI	ML	128320
WA2PJI	UL	17292	N7IR	Q	109336
Midwest			K6LL	U	210080
K0VBU	A	148204	KU7Y	UL	56940
N0NI (AG9A, op)	B	227040	West Gulf		
K0BJ	M	182880	W8FN	A	151838
W0MHS	Q	119520	N5RZ	B	218720
K0HC (W0BH, op)	S	179040	WD0GTY	ML	35568
N0XR	U	162740	K5NZ	Q	93784
NU0Q	UL	75366	N5XU (AA5BT, op)	S	36656
			W5RQ	U	110560
			N1CC	UL	100960

Regional Leaders

Q = Single-Op QRP, A = Single-Op, Low Power, B = Single-Op High Power, U/UL = Single-Op Unlimited/Low-Power, M/ML = Multioperator/Low-Power

Northeast Region			Southeast Region			Central Region			Great Plains 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		
Call	Score	Cat	Call	Score	Cat	Call	Score	Cat	Call	Score	Cat	Call	Score	Cat
NO3M	169,920	A	N8OO	175,040	A	N9CK	178,066	A	KØEU	187,680	A	K7BG	192,960	A
N8NA	167,680	A	KØLUZ	171,520	A	W1NN	161,760	A	NAØN	183,680	A	W7WA	169,760	A
K1BX	165,760	A	K1TO	163,840	A	AJ9C	158,560	A	N7VM	174,560	A	N7XU (K4XU, op)	166,240	A
W2ID (@ K9RS)	148,160	A	NA4K	143,840	A	K9KM	132,404	A	KØAD	168,640	A	KF6T	155,360	A
K1XM	144,960	A	K1PT	139,672	A	KV8Q	132,160	A	NØAT (NØKK, op)	166,080	A	AA6PW	152,000	A
VY2ZM (K1ZM, op)	229,760	B	N4AF	198,400	B	W9RE	209,120	B	N2IC	235,520	B	N9RV	232,000	B
N2NT (N2NC, op)	216,000	B	NP2X	195,520	B	W5MX	185,760	B	NØNI (AG9A, op)	227,040	B	KH7X (KH6ND, op)	219,360	B
AA3B	203,680	B	K4BAI	185,440	B	K9CT	177,440	B	N5RZ	218,720	B	K6LA	212,000	B
K8PO	196,000	B	W4AU	149,600	B	K1LT	173,440	B	WDØT	215,360	B	W7RN (N6TV, op)	210,720	B
KD4D	193,600	B	N4UU	143,676	B	KE9I	169,120	B	WXØB (K5GA, op)	209,600	B	VE7CC	206,880	B
W2FU	208,800	M	KP2M	205,920	M	W8EDU	147,200	M	WØDLE	183,680	M	W6YI	225,600	M
W3LJ	41,890	M	W5RU	189,440	M	NT8V	77,600	M	KØBJ	182,880	M	VE6EX	190,720	M
AB2DE	38,710	M	W4RM	169,280	M	K9SD	73,766	M	KØHB	151,200	M	W6TK	163,200	M
			AD4Z	146,624	M				NØMA	69,120	M	N6WIN	160,320	M
			N4FX	121,760	M				KØJA	44,352	M	K7GT	81,212	M
K3LID (WM3O, op)	100,800	ML	NP4DX	181,760	ML	K4BRI	11,152	ML	KØUK	79,772	ML	N6KI	128,320	ML
WA1QKT	480	ML	WR4I (NG3K, op)	69,888	ML	KC8OBH	10,340	ML	VE4DR	60,532	ML	WA6KYR	52,128	ML
			N2AW	16,048	ML	W8PLP	9,152	ML	WDØGTY	35,568	ML			
									KK5OV	12,480	ML			
W1XX	109,512	Q	K4RO	124,030	Q	K9ZO	108,546	Q	WØMHS	119,520	Q	W7RM (N6TR, op)	145,518	Q
K2ZR	99,176	Q	W7IY	104,052	Q				NØUR	115,340	Q	NN7SS (K6UFO, op)	114,080	Q
KR2Q	85,488	Q	N4JF	99,066	Q	N9NE	100,932	Q	KØPC	113,568	Q	N7IR	109,336	Q
W1QK	71,288	Q	K3TW	91,884	Q	VA3DF	97,032	Q	KØAV	112,320	Q	W7YAQ	107,840	Q
AA1CA	59,496	Q	K4QPL	88,638	Q	N5EE	93,288	Q	K5NZ	93,784	Q	W6JTI	102,400	Q
						W19WI	86,856	Q				W6YX	213,600	S
W3ABT (K3BHX, op)	53,592	S	W4UAL	55,616	S							N6RO	210,560	U
K3MM	209,120	U	W4MR (AA4NC, op)	204,160	U	NE9U	159,200	U	WØZA	170,400	U	K6LL	210,080	U
NY3A	196,800	U	N4ZZ	200,480	U	VE3KI (@ VE3FU)	158,080	U	K1KD	167,360	U	K7NV	193,600	U
			N4BP	182,720	U	VE3RZ	157,440	U	KTØR (KØOB, op)	166,720	U	KB7Q	185,120	U
WX3B	177,280	U	KE3X	180,640	U	K9NR	154,400	U	WT9Q	163,360	U	K6SRZ	184,640	U
AB3CX	174,880	U	AD4EB	176,160	U	W9IU	115,814	U	NØXR	162,740	U			
WR3Z	173,760	U												
VA2WA (VA2WDQ, op)	167,840	UL	N4PN	154,720	UL	K8BL	158,080	UL	ACØDS	143,040	UL	KK7S	168,480	UL
K2NNY (K2DB, op)	165,760	UL	K4XD	131,840	UL	N9CO	156,000	UL	KØMPH	131,930	UL	KE7X	167,360	UL
K3AU (K2YWE, op)	154,080	UL	N4DW	129,920	UL	KB9S	102,542	UL	NØSXX	130,560	UL	K7QQ	115,498	UL
N2MM	140,000	UL	AA4FU	116,000	UL	K9WX	99,060	UL	WØPI	119,360	UL	VA6AM	99,856	UL
K3MD	113,280	UL	KU8E	99,680	UL	K4FXN	77,262	UL	N1CC	100,960	UL	K7GK	95,940	UL