

Results, 54th ARRL November Sweepstakes

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Year: 1930. Month: May. Event: First Annual ARRL Sweepstakes results published. By the Great Xerxes, how things have changed! Nowadays, to see a score of 13,158 points on the SS summary sheet induces a reaction from the entrant of "I only had a few hours of operation as my XYL planned a crystal party on both days!" But in 1930 this score, turned in by Joe Feeley, W1ADW, dominated all other scores for his first-place victory. There can be many contrasts drawn between the Sweepstakes of old and new, but none can be as striking as the number of entrants, multipliers or categories.

Back in 1930, there was only one entry category for Sweepstakes. Now, however, you can compete in any of three major entry categories—high power, low power and, the latest addition, QRP (5 watts or less output). The QRP category was heralded by the amateur community through their Contest Advisory Committee representatives and the ARRL Awards Committee. Participation within this most recent category exceeded expectations.

In 1930, the League consisted of only 68 sections. This past year the League introduced the 75th SS multiplier, West Texas. Another ARRL section has now been added. By the Board of Directors action, the West Indies Section has been split into two sections, Puerto Rico and the Virgin Islands. These two sections will be operative in the 1988 SS.

QSO rates in the contests of old must have been extremely slow by today's standards, as W1ADW worked a total of 153 stations in the first Sweepstakes, which lasted two weeks. How many of you "old-timers" remember that? The factor that probably had the greatest effect therefore was not the unreliability of one's rig, but the number of participants in the contest. In 1930 there were



CW op Hester, N4MPQ, finished with 15k points from the NC section.

116 entrants; in 1987 there were 1909. Almost all the 1987 participants scored over 13,158 points.

In the CW portion of this year's contest, 894 amateurs sent in entries. Each was vying for the top position in one of the following categories: high-power single-op, low-power single-op, QRP single-op and multioperator.

When the last echo of brass pounding had subsided, it was W5WMU decisively winning the honor of "SS CW Ace." Bill, K5GA, guest-operated at W5WMU during the contest. His dynamic ability to "run 'em" racked-up over 188k points. Winning low-power requires the ability to break through that pileup on the first or second try as you dial up and down the bands. Larry, NF7P, displayed his ability on the "Low Power Front" beyond doubt. He garnered an impressive score of 152k. Finesse is the only way to describe what is necessary to be a great QRP operator. To be heard through the QRM



15-year-old twins N1EBG and N1EBF operating at multiop station N1ADE.

isn't easy, but it is rewarding. Steve, N2IC, triumphed in this new category. In fact he maneuvered his station to the top with a score of nearly 108k. The AA5B twosome was awesome. Bruce, AA5B, and Scott, K5TA, ravaged the bands like "a pack of wolves." Their score of over 174k earns them the position of CW multiop SS record holders (the old record was set by K5CM in 1986 with 172k points).

On November 21, at 2100 UTC, in the phone portion, the words "CQ Contest" rang out like buckshot on all bands. Contest stations from around the USA and Canada contended for the prestigious position of number-one phone operator in the aforementioned category.

The uncontested champion of the high-power category, or "SS Phone Ace" if you will, was the venerable Dan, W7WA. His first-rate effort secured 304k points. Nice going Dan! In the low-power category, Dick, K4XU, was tops with a score of over 201k. Fred, KE7X, surpassed all other QRPers for the win in this category. His score of 113k secured this position. It wasn't even close in the multioperator category. The Colorado

Division Leaders

CW

Division	High Power	Low Power	QRP	Multioperator
Canada	VE7CC	VE7ARQ	VE3OOL	VE3ART
Atlantic	K3LR	K2ZJ	K3WW	WB2PSI
Central	W9RE	K9ZO	WB9HRO	KJ9D
Dakota	K0DD (K0KX,op)	W0UC	W0YHE	AB0P
Delta	W5WMU (K5GA,op)	K4LTA	K5MK	K5MC
Great Lakes	WD8IXE	K8ND	W8IDM	K8AQM
Hudson	W2RQ	W2GD	AA2U	—
Midwest	K4VX (NU9R,op)	K0VBU	KV0I	AB0S
New England	K1ZZ	K1CC	KH6CP/1	KA1KPH
Northwestern	W7NI (N6TR,op)	W7YAC	N7DM	K7LED
Pacific	WA7NIN (W6OAT,op)	NF7P	KD6PY	W6BIP
Rocky Mountain	W0UA	K4XU	N2IC	AA5B
Roanoke	K4PQL	K0EJ	KD8G	K4IX
Southeastern	N4WW (K0LUZ,op)	K4XS	KB4GID	N8LM
Southwestern	K6LL	N6ND	K6ZH	W6UJE
West Gulf	N5AU	KM5H	AC5K	K5CM

Division Leaders

Phone

Division	High Power	Low Power	QRP	Multioperator
Canada	VE7CC	VE6ATT	VE3OOL	VE3GAS
Atlantic	W3LPL (K3ZZ,op)	N2MM	K3WUW	K2ZJ
Central	AC9C	WA1UJU	NJ9C	K9RS
Dakota	K0DD	K1LL	W0YHE	N0HUN
Delta	W5WMU	K5FUV	—	N4TG
Great Lakes	WB8JBM (N8DCJ,op)	K8BL	NQ8Y	WD9INF
Hudson	KC7KU	K5G2	AA2U	K5NA
Midwest	K4VX (NU9R,op)	KV0I	WA0VBW	NO0Y
New England	W1WEF	K1TO	KH6CP/1	K1NG
Northwestern	W7WA	K7KJM	KE7X	W7EJ
Pacific	N6BV	N6BV	KD6PY	WA7NIN
Rocky Mountain	K0RF (W0UA,op)	K4JU	W0LSO	K0UK
Roanoke	W4MYA	K0EJ	NK4Q	KC4DY
Southeastern	N4EEB	K4XS	KB4GID	W4AQL
Southwestern	K6LL	N6RJ	WB6JJE	KF6QG
West Gulf	N5AU	NT5V	W5VGX	K5CM

Single Operator High Power Top Ten

CW		Phone	
Call	Score	Call	Score
W5WMU (K5GA,op)	188,700	W7WA	304,050
N5AU	183,600	K0DD	302,550
K3LR	179,250	K6LL	297,184
WA7NIN (W6OAT,op)	179,228	K6NA (N6TR,op)	286,050
K5GN	179,080	N6BV	279,600
W7NI (N6TR,op)	177,008	WB0O	279,000
K6LL	175,350	W6GO	274,350
N4WW (K0LUZ,op)	174,150	K0RF (W0UA,op)	268,950
N6BT (WA6VEF,op)	174,000	N5AU	259,650
W7WA	172,350	K5YNZ (KE5CV,op)	259,350

Multioperator Top Ten

CW		Phone	
Call	Score	Call	Score
AA5B	174,450	K0UK	281,550
K5CM	171,750	W7EJ	276,150
K0RF	170,940	AA5B	272,550
K8AQM	162,504	K5CM	264,300
W6UE	150,750	WA7NIN	249,232
VE3ART	141,408	WD9INF	245,100
AB6S	139,824	K9RS	229,800
AB0P	135,900	N0HUN	221,850
K5RR	133,350	K8CC	214,500
N8LM	121,104	NK7U	212,250

duo of Bill, K0UK and Larry, K0CL, won top spot with 281k.

Affiliated Club Competition was rugged in most categories. The unlimited category was an exception, as the only club to make the minimum requirement of 51 entries was Connecticut's Murphy's Marauders. They compiled a total of 4,285,148 points. The North Texas Contest Club was hot. Their combined efforts launched them to the top of the Medium Category with the highest of all club scores, 5,161,494 points. The gavel for Local Club Competition went to the River City Contesters of California. They rallied for a combined score of 1,643,670 points.

Thanks to everyone who participated in the contest and contributed to the success of the 1987 ARRL November Sweepstakes. Next year will surely prove to be another exciting contest. 73.

SOAPBOX

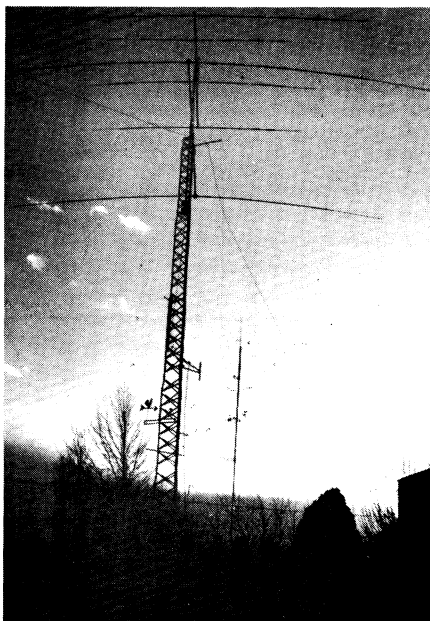
CW

Checking old logs I find my first SS operation was in 1933. The QST report showed it to be a 9 (Nine!) day contest. The top score was a W9 with 495 contacts. Other calls listed then that were still at it this year included W6BIP, W9GIL and W9YB! (W1BIH). Great fun! Missed NWT for a clean sweep. I broke my personal QSO record; it was my highest score since I started entering in 1978! (WB1CNM). It was a great contest and I enjoyed every sleepless minute of it! Looking forward to next year's Sweepstakes already (W1KEE). There is no other contest to compare to SS. I finally got my operating system down—four hours before the final gun. All the better for next year. (KM1G). I had hoped to Work All States for "We the People" award but was unable to. This is a great QRP contest with lots of good listeners (KZ1L). If I knew how to really operate CW, I would be a holy terror in this contest (WB1GQR). 21 MHz sure cooperated this year. Barely had time to get on 14 MHz.

Single Operator Low Power Top Ten

CW		Phone	
Call	Score	Call	Score
NF7P	152,400	K4XU	201,750
K1CC	145,928	K4XS	198,468
K4XU	144,152	W0CP	195,600
W2GD	143,850	N6RJ	189,750
N6ND	140,700	W0JUR (K0EU,op)	188,700
KZ6E	138,750	KV0I	171,828
K7UP	132,150	K0SCM	170,528
KY2P	128,760	K7KJM	162,504
K4XS	127,604	K1LL	160,650
NE6I	126,150	K7LXC	160,432

Same time spent as last year but made more contacts with one-fifth the power (W2DW). Nice to see some top-notch competitors in the NLI section. It makes SS a true sport! (KD2RD). Really enjoyed the contest; I guess CW is not dead. Sure wish I could copy some of the high-speed guys. But when you're 83, you can't write that fast (W2NPT). I got all the hard sections, and missed "easy" SJV! (AA4GA). Lost all 40/80-meter QSOs in the deep dark reaches of a computer! (WA4SSB). The SS is the best of all contests! My 35th SS and it is still a thrill to get the clean sweep! (W4YE). I worked my first Sweepstakes in 1937. 102 QSOs in 39 sections in 26 hours, over two weekends. 50 years later I get my first "clean sweep." It was a real thrill to get number 75 (W4XD). Had a ball even without a keyer. Especially when AL7CQ called me! Can't wait for next year (WB8VFA). Incredible QRM! Sent QRL and 3 stations on the same frequency sent yes! A true contender's contest. Hope I have more time next year (WMSK). Is there really a West Texas section? (WV5K). The 1987 CW Sweepstakes was a blast—great 40-meter-band conditions and my best CW score in 7 years of participation! (WA6GFR). 368 of 721 QSOs east of the Mississippi River—W1WEF and K1AR, 20 over S9 on both 20 and 40 meters (AH6AZ). Thanks for the new QRP class. I usually run a QRO station. It is nice to try a new low power mode. Good thing 15 and 10 were open. See you next year for "QRP" SS (NL7DU). Don't ask...! (W7GFT). Lots of active stations and good conditions = best SS ever. (NF7P). Boy, I just can't seem to get sweep on CW, 4 of the 5 I missed were Canadian Sections. Try, try again!! (KW8G). My thanks to all those Q-classers who made



A view of the antenna farm at WMA club station W1NY.

Single Operator QRP Top Ten

CW		Phone	
Call	Score	Call	Score
N2IC	107,856	KE7X	113,120
KV0I	97,532	W0LSO	112,500
K0SCM	92,448	K7SS	103,200
K0FRP	80,640	W0KEA	81,000
AA2U	77,818	KD6PY	72,854
KT5X	73,584	W5VGX	70,000
WB9HRO	69,264	K3WUW	61,200
KD6PY	68,112	KH6CP/1	46,096
KH6CP/1	67,104	WA6VBW	44,208
KB1W	66,640	W0YHE	43,680

made pulling their signals through the static and QRM more challenging (WD8IXE). Where, oh where, is VE4? First non-sweep in four years... my first QSO the day after the test? You guessed it—VE4!! (K9UIY). First contest ever, doubled my goal—not bad for a 19-year-old (been a ham eight weeks) (N9GVT/AA). I was very excited to see that a QRP mode was added. Have operated at 5 watts or less for the last 5 years and my results looked kind of poor when compared to all the "150 watt" and below stations. Really enjoyed SS—many comments like, "super signal for 5 watts" (W0YHE). Who else will admit they worked SS CW with a computer? I did and had a ball! (WB0YUC). My first serious QRP contest—I was amazed (KV0I). Checked the station 15 minutes before the contest only to find that an arctic fox had chewed through the coax (VE8KD).

Phone

First Sweepstakes contest for me, will do it bigger and better next year (WA1PLK). We ran multiop from my QTH with my tower and beam, and Jim's (KS1A) rig. Our object was to score high and get a clean sweep. What a great feeling to have a VE8 call us 22 QSOs into the contest!! We did get the clean sweep. First time ever! (WB1GEX). Sweepstakes this year felt more like Field Day! The commercial power went out 2 minutes before the contest, so I had to get the generator running. I ended up using emergency power for the first hour and a half of the contest (AK1K). Our second multi-op effort and we improved our score over last year! (K1NG). Next year, I may give QRP a try, particularly if 10 and 15 continue to improve (WB2ROV). The Sweepstakes helped me get Alaska for WAS after 13 years of "CQ Alaska"! (WA2YEI). Worked a few states I never knew existed. Will be back next year more prepared (WD2AHD). Heard several VE2 and ME stations, but running QRP phone it was tough to snag them. It's like pulling chicken's teeth! This was a real challenge, fun and totally exhausting (K3WUW). Had a lot of fun! First time ever working a phone contest! I was amazed what one can do with a "hunk of wire thrown out a window"! I'm not the contest type because I always end up "listening"! (KA3GXP). Was nice to be home in SC for the Sweepstakes (KJ4KB). K8MJZ must have a super receiver to hear me on 80 meters (K4VYF). Can you believe it? I heard N4BP in SFL, but where was Mississippi? After working KH6, KL7, VY1, ND and SC (my personal bugaboo), to miss a sweep due to SFL and MS is a heart-breaker (AA4UJ). Forgot it was Sweepstakes time—happened to turn rig on and voila! ... there was pandemonium on the air. Already had plans for the afternoon, but managed to put in a couple of 5-hour stints at the mike. (KA5NLY). Lots of fun for the OM/XYL team! (AA4UC). Was on low power for phone weekend. Never heard WTX until very late in the contest, when I heard WF5E on 21-MHz backscatter calling CQ. Called him for over 20 minutes every time he stood by, but couldn't hear me (W5ONL). My first phone SS contest. Great fun! Nice having a rare section and not having to compete with NTX and STX (WF5E). It was great to hear the 10-meter band sound like "old times." The "spots" do make a difference! (WB6NFO). Mahalo to my many VHF friends for working me on 10 meters. Aloha (KH6RS).

Affiliated Club Competition

	Score	Entries	CW Winner	Phone Winner		Score	Entries	CW Winner	Phone Winner
Unlimited Category					CDXA	377,772	3	N4ZC (WA8MAZ,op)	—
Murphy's Marauders	4,285,148	51	K1ZZ	W1WEF	Reading RC.	364,958	5	KS3F	KS3F
Medium Category					Arkansas DX Assn	319,876	4	W9OBF	K5FUV
North Texas Contest Club	5,161,494	47	N5AU	N5AU	Northrop RC	313,016	9	K6HRT	K6HRT
Society of Midwest Contesters	4,251,020	50	K4VX (NU9R,op)	K4VX (NU9R,op)	Eastern Iowa DX Assn	307,216	4	W0EJ	W0EJ
Northern California Contest Club	4,094,378	43	WA7NIN (W6OAT,op)	N6BV	North Hills RC	303,594	4	K6SG	N6IG
Mad River Radio Club	2,864,622	28	K3LR	N8ATR	Western ARA	294,332	4	W6TCO	N6RJ
Minnesota Wireless Assn	2,732,938	28	K0DD (K0KX,op)	K0DD	Schaumburg ARC	277,976	4	K9LW	WA0AVL
Potomac Valley RC	2,665,412	39	W3LPL	W3LPL (K3ZZ,op)	Wichita ARC	263,840	3	W0AWP	N10S
Yankee Clipper Contest Club	1,679,810	30	K1TR	KA2AEV	Fox River Radio League	262,080	6	K9LUW	K9LUW
Texas DX Society	1,669,596	12	W5WMU (K5GA,op)	NR5M	Long Island Contest Club	251,484	3	KD2RD	KD2TT
Southern California Contest Club	1,498,682	16	K6NA	K6NA (N6TR,op)	Rockford ARA	249,270	5	K9LJN	K9GH
Utah Contest Club	1,105,278	12	W7CFL	KS1G	Providence RA	243,792	3	—	—
South Jersey Radio Assn	782,930	29	K2YY	W2PAU	Four Lakes ARC	226,842	5	WB9HRO	WB9HRO
Hoosier Contest Club	748,354	12	W9RE	W9RE	Northern Ohio ARS	222,302	3	W8SJU (WB8PHI,op)	N8LL
Western Washington DX Club	675,522	12	N7TT	N7TT	Pennsylvania Wireless Assn	218,616	4	K3TX	K3TX
Motor City RC	604,408	38	K8SB	K8SB	Livinston AR Klub	199,510	9	KW8G	KW8G
Nashua (NH) Area RC	448,740	11	K8LT	K1HI	Northern New Mexico ARC	192,982	5	N5EPA	N5EPA
Central MI ARC	443,378	14	W8TJQ	K8GVK	Bolingbrook ARS	187,470	8	NA9I	N9FIV
Zygo ARC	348,036	13	W1ECH	WA1NLD	Unisys ARC Santa Clara	180,852	4	KJ6V	KJ6V
Highland ARA	271,216	14	NF8G	KJ8I	Redwood Empire DX Assn	178,522	5	K6LRN	K6LRN
Local Category					Hazel Park ARC	178,450	9	WB8ITB	WB8MDG
River City Contesters	1,643,670	10	N6IG	W6GO	Albany ARA	168,762	7	NW2J	NW2J
Salt City DX Assn	1,183,148	10	K2KIR	AJ3K	Western New York DX Assn	166,478	6	WB2ABD	WB2YQH
Rubber Circle Contest Club	1,171,030	10	W7WA	W7WA	Gloucester County ARC	159,606	6	K2HPV	N2ETJ
Overlook Mountain ARC	1,143,878	9	K5NA	K2UR	Rowan ARS	152,332	6	W8UT	KJ4TI
Kansas City DX Club	915,762	8	KB0G	N0CDH	Sturdy Memorial Hospital ARC	151,478	5	KD2SX/1	N1EHX
Albuquerque DX Assn	912,942	10	NC5O	W5SO	Rip Van Winkle ARS	147,960	5	W2DW	—
Central Arizona DX Assn	753,458	7	KY7M	K7NO	West Park Radio Ops	141,192	7	W8IDM	WD8AJF
Frankford Radio Club	722,096	9	W2GD	N2MM	Order of the Boiled Owls	134,592	3	K2SX	—
Grand Mesa Contesters	683,060	8	KJ0G	K0GAS	San Gabriel Valley RC	129,958	8	N6IBP	N6IBP
Willamette Valley DX Club	558,908	5	K7KJM	K7KJM	Valley RC of Eugene	124,608	5	K7DBV	A17W
Radio Club of Tocoma	524,908	7	W7BUN	W7BUN	Warminster ARC	123,858	9	KY3T	KA3QND
Rochester (NY) DX Assn	522,172	9	W2HPF	AF2K	Northern Arizona DX Assn	122,200	3	W7YS	—
Dixie DXers	516,540	8	K4BAI	K4BAI	Murgas ARC	121,282	5	KB3JK	WA1MKE
Suncoast ARC	472,364	4	K4XS	K4XS	Utica ARC	121,114	6	KK2B	KK2B
Central Virginia Contest Club	418,970	5	W4MYA	W4MYA	OH-KY-IN ARS	116,940	4	KF4AV	K4QJ
Long Island Mobile ARC	414,718	10	K2AU	WB2DIN	Dauberville DX Assn	114,414	6	KA3NJA	KA3NJA
Binghamton ARA	410,902	9	NE2W	NE2W	Burlington County RC	113,418	8	WB2UVB	WB2YOF
Colorado Contest Conspiracy	409,600	3	W0IJR	W0IJR (K0EU,op)	Delta DX Assn	111,908	4	NT5G	N5FYJ
					Rappahannock Valley RC	111,336	6	WB4LNT	WB4LNT
					Mitre Bedford ARC	106,066	3	W1FM	W1FM
					Clark County ARC	91,582	8	—	N9AOJ
					Athens County ARC	91,318	5	—	NC8V
					Western Illinois ARC	84,770	4	N9JF	—
					Wheaton Community Radio Amateur	69,640	3	—	KR9K
					West Allis RAC	25,550	3	K9KR	KA9JCP
					Fresno ARC	25,494	4	WB8ITM	WA6YAB
					RAC of Greater Milwaukee	24,616	3	W9FPA	W9FPA

"I-@!!--" QRP, I'm gonna buy a kW (AA4Q). The Argonaut 515 worked flawlessly. Missed VE8 on both modes. Most common response to my exchange: "all again" (KD6PY). Really great to clean sweep on both modes with low power (W6UQF). Novice enhancement has really changed SS. 945 QSOs in 8½ hours on 28.4 (K6LL). Many thanks to all those who DID NOT dupe me!

(KS1G). Excellent 10-meter conditions. Thank you Novices and Technicians! (W7WA). Thanks to all the Novices for the 10-meter contacts and to all the CK 87s for their first SS participation (K7LXC). "ARRGGHH!!!" (N4SL). What a difference running Q class this year, versus B class last year. A humbling experience! But, will I do it again next year? You bet! (N8EIH). Somehow managed to

work KE7X in MT, 2-way QRP on phone... for a new one. I asked for a signal report and had to explain why—he said he was glad to do so, TNX (K9EIJ). Only my second clean sweep in 22 years of SS (W9JOO). All in all my best effort in years (W0IJR). This was my first time in the SS. If contests had mottoes, this one's would be "try it; you'll like it!" (VE5RC).

Scores

CW scores are listed first, followed by phone. Within each call area, scores are listed by ARRL sections. Within each section, single-operator scores are listed first in descending numerical order, followed by multioperator scores. Each line score lists call sign, final score, number of QSOs, number of sections worked, hours operated and output power used (A = 150 watts or less, B = more than 150 watts, Q = 5 watts or less). Example: In Connecticut, K1ZZ worked 1064 stations in 75 sections for a final score of 159,600 points. He operated for 24 hours and used more than 150 watts.

CW	W1WEF	153,000-1020-75-24-B	W1GNR	105,228-711-74-23-B	WA1FCN	54,386-383-71-16-A	W1TKG	17,584-157-56-11-A	
	K1CC	145,928-986-74-24-A	N1CC	99,804-673-74-20-A	KA1CV	54,166-371-73-20-Q	KA1MM	14,664-156-47-9-A	
	K1FRM	128,800-844-75-17-B	W1BIH	98,450-643-75-15-B	K1KI	49,680-360-69-12-B	KB1WR	10,388-98-53-12-B	
	NJ2L	119,140-805-74-24-B	KG1D	78,100-550-71-16-A	N9RA	48,900-350-67-16-B	WA1LW	10,094-103-49-4-B	
	W1AW (K8HVT,op)		K1YRP	69,552-483-72-13-A	WA1LJP	45,780-327-70-21-A	WA1STO	8,800-100-44-6-A	
Connecticut			K1IN	67,968-472-72-12-B	K1TN	43,748-317-69-11-A	NF1U	8,858-111-39-19-A	
K1ZZ	159,600-1064-75-24-B	W1OD	117,364-793-74-22-A	KH6CP/1	67,104-468-72-24-Q	WB9IHH	42,420-303-70-8-A	NJ1V	5,402-73-37-8-A
K1TO	154,200-1028-75-24-B	W1ECH	111,106-781-73-22-A	WA1NLD	64,094-439-73-22-A	KA1MWX	38,582-288-67-18-A	W1KGF	5,148-78-33-4-Q
K1XA	153,624-1038-74-24-B	AA2Z	108,856-722-74-22-A	W1ACR	62,338-439-71-20-B	K1BV	32,940-270-61-8-B	WB1DQT	4,292-74-29-5-A
		K1DW	108,128-737-72-21-B	N4XR	60,088-406-74-11-B	K8HVT	20,000-200-50-4-B	WB4FDT	416-16-13-1-A

San Diego K6NA (N6TR,op) 286,050-1907-75-24-B N6ND 126,450-843-75-10-B W8UQF 105,500-701-75-25-A K8ZRH 47,570-335-71-25-A K8BJU 31,464-414-38-11-Q W6JXA 25,048-202-62-9-A W6JFY 24,898-211-59-10-B KJ6AU 6,318-81-38-11-A	Washington W7WA 304,050-2027-75-24-B N7TY 229,350-1529-75-24-B K7LXC 199,050-1327-75-24-B W7LUN 160,432-1084-74-24-A K7LXK 153,772-1039-74-15-B W7LUN 124,912-844-74-24-A N7IFA 124,392-852-73-17-B W7HX 81,760-584-70-10-B N7GJG 37,448-302-62-20-A W8TGLU 30,552-229-67-19-B K7YK 27,080-205-66-18-A KR7G 24,428-197-62-7-B KE7ZG 20,848-178-58-20-A N570 20,840-172-60-10-A K7TG 20,212-163-62-3-A K7H8N 19,942-169-59-6-Q W7QN 17,980-155-58-14-A K7XX 16,704-174-48-5-B WA7QCC 16,500-150-55-6-A W7BQG 15,120-140-54-16-A N7JB 14,910-105-71-15-A W7QCW 11,610-129-45-8-A N4SL 9,800-70-70-16-A W7LKG 9,292-101-46-4-B KD7LJ 8,568-102-42-8-A N87N (+NN7L) 129,056-872-74-23-B	Indiana N9QX 128,700-858-75-24-B W9RE 125,060-845-74-11-B K9BC 109,964-743-74-22-B AJ9C 104,390-715-73-15-B W9JCO 81,000-540-75-24-A N9ACD 23,689-847-8-9-A N9AOJ 23,780-170-87-18-A K9AVX 21,948-188-59-17-A W9BNQ 20,290-169-60-10-A K9BL 9,592-109-44-7-B N4DBJ 5,830-55-53-8-A N9EVR 5,684-59-48-4-A K9FN 3,528-49-36-9-B K9MD 2,856-51-28-2-B W9BWDW 2,820-47-30-5-A N9NC 2,000-40-25-2-B K9RS (+NA9D) 229,800-1532-75-24-B W9REG (WD4CJL,K9s LVA,YBM,K9s) HGN,JHB,NOH,RLZ,K9L,N9e DKJ,GKs GWM,ops) 63,888-484-66-24-B N9FVS (+W4DRAN) 6,004-79-38-6-A	Wisconsin W9XT 185,400-1236-75-24-B K9OSH 157,350-1049-75-24-B W1UJU 110,334-777-71-24-A K9KR 88,060-595-74-19-B K1TMM 74,880-520-17-10-A N9BL 64,528-438-74-15-A N9IC 55,480-380-73-17-A W9BHO 53,560-412-65-11-A W9NA 52,682-371-71-10-B W9SSD 52,392-354-74-15-A K9S 39,544-292-66-13-Q N9AM 23,200-200-59-9-A K9BDZ 22,272-192-58-14-A K9EFT 15,288-147-52-12-A W9BWP 14,588-143-51-10-A W9BZO 12,154-103-59-12-B K9EFP 10,298-117-44-13-Q W9FFA 9,984-104-48-7-A K9VYL 6,318-81-39-12-B W9YT 2,852-51-26-11-A K9JUC 1,058-9-6-3-A W9GTZ 72-6-6-1-A K9JFU 2-1-1-1-A W9AIH (+K9FV,N9SSH,ops) 197,850-1319-75-24-B W9YT (K9s VOK,WVZ,NA9W,W9FV, N9FLZ,ops) 140,100-934-75-23-B	North Dakota W9BQ 279,000-1860-75-24-B	Nebraska K9BI 171,828-1161-74-24-A K9SM 170,528-1168-73-24-A K9MZV 30,978-242-64-12-A	South Dakota K9DD 302,550-2017-75-24-B K1LL 118,650-1071-75-24-A W9BWWJ 160,450-783-75-19-B K5LZT 4,148-61-34-3-A N9HUN (+KB9QA) 221,850-1479-75-24-B	VE Maritime-NFLD V01AW 19,494-171-57-24-B VE1AGE 4,480-70-32-8-B	Quebec VE2MS 51,612-374-69-24-A VE2MAB (VE2s AMV,BRT,DWT,ESA, ESP,GOP,HAX,MPD,TD,ops) 41,160-294-70-24-A	Ontario VE30VI 29,984-227-66-14-A VE3TJ 13,000-130-50-9-A VE30MU 10,700-107-50-14-A VE3FJU 6,896-93-36-12-A VE30OL 6,180-56-55-9-Q VE3GSA 5,840-73-40-9-A VE3GAS (+VE3QB) 186,776-1282-74-15-B	Manitoba VE4AKN 10,500-105-50 -A N9JC/VE4 (+VE4JK,W9SA) 176,700-1178-75-24-B VE4GV (+VE4s AMV,AMC) 106,200-708-75-24-A	Saskatchewan VE5GHC 39,996-303-66-14-A VE5AAD 8,364-102-41-4-A VE5TO 8,272-88-47-8-A VE5AG (+VE5BCT) 158,850-1059-75-23-B VE5RC (+ops) 27,520-215-64-19-B	Alberta VE6ATT 90,848-689-66-16-A VE6DZ 21,000-175-60-19-A VE6RI 17,360-155-58-8-A	British Columbia VE7CC 230,550-1537-75-24-B VE7ARQ 26,884-286-47-5-A VE7EKS 42-7-3-6-Q	Checklogs W1HTA, KA2CW, K2KE, N2HIP, W2FR, W2KTE, NFX3, K5LZO, W6BU, W6STXJ, N8RJ, K9N, W4LBQ9, VE1ACK
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