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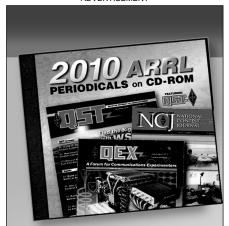
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Title: Results, 54th ARRL November Sweepstakes

Author: Billy Lunt, KR1R

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### Results, 54th ARRL November **Sweepstakes**

By Billy Lunt, KR1R and Contest Manager

Mark Gamble, N1FOZ Contest Assistant ARRL

ear: 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, WIADW, 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 lowpower 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 ORPers 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**

Division Canada Atlantic Central Dakota Delta **Great Lakes** Hudson Midwest New England Pacific Rocky Mountain Roanoke Southeastern Southwestern

CW

High Power VE7CC KØDD (KØKX,op) W5WMU (K5GA,op) WD8IXE W2RQ K4VX (NU9R,op) K1ZZ

W7NI (N6TR.op) WA7NIN (W6OAT.op) WØUA K4PQL N4WW (KØLUZ,op)

QRP Low Power VE3OOL K3WW WB9HRO WOYHE K5MK **W8IDM** AA2U KVØI KH6CP/1 N7DM KD6PY N2IC KD8G KB4GID K6ZH

VE7ARQ

K2ZJ K9ZO

WOUC K4LTA

K8ND

W2GD

KØVBU K1CC

W7YAQ NF7P

K4XU

K4X8 N6ND

Multioperator **VE3ART** WB2PSI KJ9D ABOP КБМС K8AQM ARRS KATKPH K7LED W6BIP AA5B K5CM

#### **Division Leaders**

#### Phone Division

Canada Atlantic Central Dakota Delta Great Lakes Hudson Midwest New England Northwestern Pacific W7WA N6BV Rocky Mountain Roanoke KØRF (WØUA,op) W4MYA Southeastern Southwestern N4EEB West Gulf N5AL

High Power Low Power VE7CC W3LPL (K3ZZ,op) VE6ATT MMCM WATUJU KØDD W5WMU WB8JBM (N8DCJ.op) KC7KU K4VX (NU9R,op) W1WEF

KSBL KS2G KVØI K1TO K7KJM ND7M K4XU KØEJ K4XS N6RJ NT5V

ORP Multioperator VE300L VE3GA8 K3WUW K27.1 NJ9C WOYHE NOSY AA2U WAØVBW KH6CP/1 KE7X KD6PY

WØLSO NK4Q KB4GID

W5VGX

NØHUN WD9INF K5NA NOØY K1NG W7EJ WATNIN KØUK KC4DY W4AOI KF6OG K5CM

West Gulf

Single Ope High Powe Top Ten			
CW		Phone	
Call	Score	Call	Score
WSWMU (K5GA,op) NSAU K3LR WA7NIN (W6OAT,op) K5GN W7NII (N6TR,op) K8LL N4WW (KØLUZ,op) N6BT (WA6VEF,op)	188,700 183,600 179,250 179,228 179,080 177,008 175,350 174,150 174,000 172,350	W7WA KØDD KØLL KØNA (NGTR,op) NBBV WBØO W6GO KØRF (WØUA,op) NSAU K5YNZ (KE5CV,op)	304,050 302,550 297,184 286,050 279,600 279,000 274,350 268,950 259,650

Single C Low Por Top Ter			
CW	1	Phone	
Call	Score	Call	Score
NF7P K1CC K4XU W2GD N6ND KZ6E K7UP KY2P K4XS NE6I	152,400 145,928 144,152 143,850 140,700 138,750 132,150 128,760 127,604 126,150	K4XU K4XS WØCP NGRJ WØIJR (KØEU,op) KVBI KØSCM K7KJM K1LL K7LXC	201,750 198,468 195,600 189,750 188,700 171,828 170,528 162,504 160,650 160,432

QRP Top Ten	porturo		
CW		Phone	
Call	Score	Cali	Score
N2IC KVØI KØSCM KØFRP AA2U KT5X WB9HRO KD6PY KH6CP/1 KB1W	107,856 97,532 92,448 80,640 77,818 73,584 69,264 68,112 67,104 66,640	KETX WØLSO KTSS WØKEA KD6PY W5VGX K3WUW KH6CP/1 WAØVBW WØYHE	113,120 112,500 103,200 81,000 72,854 70,000 61,200 46,096 44,208 43,680

Single Operator

Multiope Top Ter			
CW		Phone	
Call	Score	Cali	Score
AASB KSCM KORF KSAOM WGUE VE3ART ABOS ABOP	174,450 171,750 170,940 162,504 150,750 141,408 139,824	KØUK W7EJ AA5B K5CM WA7NIN WD9INF K9RS	281,550 276,150 272,550 264,300 249,232 245,100 229,800
K5RR N8LM	135,900 133,350 121,104	NØHUN K8CC NK7U	221,850 214,500 212,250

duo of Bill, KØUK and Larry, KØCL, 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.

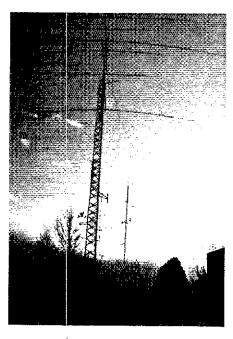
Thanks to everyone who participated in the contest and contributed to the success of the 1987 ARRL November Sweepstakes. Next year will surely prove to be another exciting contest. 73.

#### 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 (WB1GOR), 21 MHz sure cooperated this year. Barely had time to get on 14 MHz.

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 ORL and 3 stations on the same frequency sent yes! A true contester's contest. Hope I have more time next year (WM5K). 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 ORP 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 a 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,

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" (WØYHE). Who else will admit they worked SS CW with a computer? I did and had a ball! (WBØYUC). My first serious QRP contest—I was amazed (KVØI). 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 (WAIPLK). We ran multiop from my QTH with my tower and beam, and Jim's (KSIA) 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! (WBIGEX). Sweepstakes this year felt more like Field Day! The com-mercial 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 (K4VFY). 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).

	Score	Entries	CW Winner	Phone Winner		Score	Entries	CW Winner	Phone Winner
Inlimited Category			VV 11101		CDXA	377,772	3	N4ZC (WA8MAZ,op)	
	4.285.148	51	K1ZZ	W1WEF	Reading RC	364,958	5	K83F	KS3F
lurphy's Marauders	4,283,140	31	NIZZ	AA LAAKTE.	Arkansas DX Assn	319,876	4	W9OBF	K5FUV
fedium Category					Northop RC	313,016	9	KBHRT	KSHRT
lorth Texas Contest Club	5,161,494	47	N5AU	N5AU	Eastern Iowa DX Assn	307,216	4 4	WØEJ K6SG	WØEJ N6IG
ociety of Midwest					North Hills RC Western ARA	303,594 294,332	4	W6TCO	NGRJ
Contesters	4,251,020	50	K4VX	K4VX	Schaumberg ARC	277,976	4	K9LW	WADAY
Iorthern California Contest			(NU9R,op)	(NU9R,op)	Wichita ARC	263,840	3	WØAWP	NIØS
Club	4,094,378	43	WA7NIN	N6BV	Fox River Radio League	262,080	6 3 5	Karam	K9LUW
Oldb	4,00 1,010		(W6CAT.op)		Long Island Contest Club	251,484	3	KD2RD K9LJN	KD2TT K9GH
lad River Radio Club	2,864,622	28	K3LR	N8ATR	Rocktord ARA Providence RA	249,270 243,792	3	USEDIA	KIDS
finnesota Wireless Assn	2,732,938	28	KØDD	KØDD	Four Lakes ARC	226,842		WB9HRO	WB9HF
otomac Valley RC	2.665.412	39	(KØKX,op) W3LPL	W3LPL	Northern Ohio ARS	222,302		W8SJU	N8LL
Otomac valley no	د,000, <del>4</del> 12	39	TTOIL IL	(K3ZZ,op)		-		(WB8PHI,op)	least :
ankee Clipper Contest				• / • /	Pennsylvania Wireless Assn	218,616	4 9	K3TX KW8G	K3TX KW8G
Club	1,679,810	30	K1TR	KAZAEV	Livinston AR Klub Northern New Mexico ARC	199,510 192,982		NSEPA	N5EPA
exas DX Society	1,669,596	12	W5WMU	NRSM	Bolingbrook ARS	187,470		NA9I	N9FIV
Southern California Contest			(K5GA,op)		Unisys ARC Santa Clara	180,852	4	KJ6V	KJ6V
Club	1,498,682	16	K6NA	K6NA	Redwood Empire DX Assn	178,522	5	K6LRN	K6LRN
	,,,			(N6TR,op)	Hazel Park ARC	178,450	9	WB8ITB	WB8M NW2J
Itah Contest Club	1,105,278	12	W7CFL	KS1G	Albany ARA Western New York DX Assn	168 <b>,7</b> 62 166,478		NW2J WB2ABD	WB2Y
South Jersey Radio Assn	782,930	29	K2YY	W2PAU	Gloucester County ARC	159,606		K2HPV	N2ETJ
loosier Contest Club	748,354	12	W9RE	Ware	Rowan ARS	152,332		WBUT	KJ4TI
Vestern Washington DX Club	675,522	12	N7TT	N7TT	Sturdy Memorial Hospital	•			
Notor City RC	604,408		Kasa	K8SB	ARC	151,478		KD28X/1	N1EH)
Nashua (NH) Area RC	448,740		K8LT	KIHI	Rip Van Winkle ARS	147,960 141,192		W2DW W8IDM	WD8A
Central MI ARC	443,378		W8TJQ	K8GVK	West Park Radio Ops Order of the Boiled Owls	134,592	3	K2SX	
ygo ARC	348,036 271,216		W1ECH NF8G	WA1NLD KJ8I	San Gabriel Valley RC	129,958	8	N6IBP	N6IBP
lighland ARA	271,210	) I <del>"</del>	MEGG	NUOI	Valley RC of Eugene	124,608	5	K7DBV	Al7W
ocal Category					Warminster ARC	123,858		KY3T	KAJQN
River City Contesters	1.643.670	10	N6IG	W6GO	Northern Arizona DX Assn	122,200 121,282	3 5	W7Y8 KB3JK	WAIM
Salt City DX Assn	1,183,148		K2KIR	AJ3K	Murgas ARC Utica ARC	121,114		KK2B	KK2B
Rubber Circle Contest Club			W7WA	W7WA	OH-KY-IN ARS	116,940		KF4AV	KI4QJ
Overlook Mountain ARC	1.143,878	9	K5NA	K2UR	Dauberville DX Assn	114,414	6	ALMEAN	KA3N.
Kansas City DX Club	915,762 912,942		KBØG NC5O	NØCDH WS5O	Burlington County RC	113,418	8	WB2UVB	WB2Y
Albuquerque DX Assn Central Arizona DX Assn	753,458		KY7M	K7NO	Delta DX Assn	111,908 111,336		NT5G WB4LNT	N5FY. WB4L
rankford Radio Club	722,096	3 9	W2GD	N2MM	Rappahannock Valley RC Mitre Bedford ARC	106,066		W1FM	WIFM
Grand Mesa Contesters	683,060	8 (	KJØG.	KØGAS	Clark County ARC	91.582			N9AO
Willamette Valley DX Club	558,908		K7KJM	K7KJM	Athens County ARC	91,318		-	NC8V
Radio Club of Tocoma Rochester (NY) DX Assn	524,908 522,172		W7BUN W2HPF	W7BUN AF2K	Western Illinois ARC	84,770	4	N9JF	,
Dixie DXers	516,540		K4BAI	K4BAI	Wheaton Community Radio	60.640	3		KR9K
Suncoast ARC	472,364		K4XS	K4XS	Amateur West Allis RAC	69,640 25,550	2	K9KB	KASJO
Central Virginia Contest	•			15244 4648	Fresno ARC	25,494	4	WB6ITM	WA6Y
Club	418.970	5 10	W4MYA	W4MYA WB2DIN	RAC of Greater Millwaukee	24,616		W9FPA	W9FP
ong Island Mobile ARC	414,718 410,908		K2AU NE2W	NESM MRSDIM					
Binghamton AFA Colorado Contest	÷10,902	. 8	MERAN	*46677					
Conspiracy	409,600	) 3	WØIJR	WølJR					

"!-&!!-" 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 (WØIJR). 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 decending 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 1084 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 153,000-1020-75-24-8	WIGNR 105,228- 711-74-23-B	WA1FCN 54,386-383-71-18-A	W1TKG 17,584- 157-58-
	K1CC 146,928-986-74-24-A	NICC 99,804- 673-74-20-A	KA1CV 54,166-371-73-20-Q	KA1MM 14,864- 156-47-
	K1RM 128,600-844-75-17-8	WIBH 98,450- 643-75-15-B	K1KI 48,680-380-88-12-B	KB1WR 10,388- 98-53-
1	NJ2L 119,140- 805-74-24-B W1AW (K8HVT.op)	KG1D 78,100- 550-71-18- A K1YRP 69,552- 483-72-13- A	N8RA 46,900- 350-67-16- B WA1LJP 45,780- 327-70-21- A	WA1LVW 10,094- 103-48- WA1STO 8,800- 100-44- NETU 8,858- 111-39-
Connecticut K1ZZ 159,600-1064-75-24-B	118,548- 801-74-16-8 W100 117,364- 793-74-22-A W1ECH 111,106- 761-73-22-A	K1IN 67,988- 472-72-12-B KH6CP/1 67,104- 466-72-24-Q WA1NLD 64,094- 439-73-22-A	K1TN 43,745- 317- 69- 11- 6 WB9HH 42,420- 303- 70- 6- A KA1MWX 88,592- 288- 67- 16- A	NJ1V 5,402- 73-37- W1KKF 5,148- 78-33-
K1TO 184,200-1028-75-24-B	AA22 106,856- 722-74-22- A	W1ACR 62,338- 439-71-20-B	K1BV 32,940- 270-81- 8-B	WB1DQT 4,292- 74-29-
K1XA 153,624-1038-74-24-B	K1DW 106,128- 737-72-21- B	NAXR 60,088- 406-74-11-B	K8HVT 20,000- 200-50- 4-8	WB4FDT 416- 16-13-

Eastern Ma	sechusetts	Northern N	lew Jersey	Wagg	34,800- 300-58- 4-B	Wayy	85,396- 577-74-14-B	WN4KKN/5	161,468-1091-74-21-B
WBICNM	97,384 658-74-24-B	W2RQ	162,600-1084-75-24-B	AYDEW	34,160-280-61-20-A	N3OS	75,482- 517-73-20-A	KG5U	152,700-1018-75-24-B
NB1Y W1KEE	88,892- 626-71-23-B 68,872- 463-72-23-A	KZ2S W2GD	153,150-1021-75-24-8 143,850- 959-75-24-A	- W3GN - K3HPG	33,138- 283-63-10-8 30,848- 241-64- 7-A	K <del>E9</del> A NK51	74,160- 515-72-24-A 73,296- 509-72-19-A	WSRRR (KNS	iH,op) 129,056- 872-74-20-B
WIFM	50,250- 375-67-11- A	KY2P	128,760- 870-74-24-A	WB3JRU KG3Z	25,426 233-61 9-A 23,520 196-60 17-A	K4BAM	71,484 518-69-21-A	WSASP	108,770- 745-73-18-B
NK1O KINTR	47,328- 348-68-10-A 39,168- 288-68-10-A	AA2U KBDI	104,400- 725-72-24-B 77,818- 533-73-24-Q	W3EE	19,980- 185-54-10- A	N3JT W4XD	70,700- 505-70-15-B 70,850- 471-75-17-A	W5WQN KE5AL	93,744- 651-72-24- B 92,960- 664-70-24- A
KM1G W1AX	37,210- 305-61-18- A	KY2H	68,448- 496-69-21-A	K3ZO WA8MCQ	15,000- 150-50- 2-B 11,374- 121-47- 7-Q	WD4JHY	70,420- 503-70-22-A	WV5K	75,544- 532-71-18-B
KATIOR	36,210- 255-71- 6-B 35,508- 269-68-19-A	K2TWK KG2N	45,540- 330-69-20-A 38,400- 320-60-16-A	KSTKS	10,584 108-49-14-Q	K4FPF K4OD	54,720- 380-72-20-A 50,370- 365-69-16-B	W5XD W6LXG	67,620- 483-70-22- A 55,626- 381-73-12- A
WA1IPP K1SEC	34,404 282-81-18-Q	W2HCA	34,036- 254-67-15- A	N3GB W3FQE	6,630 85-38-4-B 2,700-45-30-4-B	AA4UJ	42,024- 309-68-11-13	AC5K	49,420- 353-70-17-Q
NB1B	33,984- 288-59- 7- A 32,706- 237-69-11- B	kt2d K2JT	29,920- 220-68-11- A 28,640- 222-60- 6-Q		,	N4ZR WD4ELJ	40,664- 299-68-10-A 34,000- 250-68-13-A	W5NR K5DX	32,294- 241-67-12- B 27,960- 233-60-24- B
KIUCA	31,968- 216-74-23- B	W2TI	26,334- 209-63-10-A	KSLR	ennayivania 179,250-1195-75-24- B	WB4LNT	33,460- 239-70-20- A	WW5Q	22,400- 200-56-13- A
N1DC KQ1F	31,488- 246-64-17-A 30,192- 222-68-10-A	N2HDY W2HN	11,500- 115-50-10-A 10,656- 74-72-12-A	K6ZD/3	160,728-1086-74-24- B	K4JM KX4V	27,966- 237-59-10-C 26,880- 210-64-10-C	WX51 N5JEE	11,186- 119-47-12-A 2,708- 41-33- 5-A
N1AU N1AJJ	25,254- 207-61-12-A	WA2UDT	8,800- 100-44- 4- A	W3HDH W3HDH	51,840- 360- <i>72</i> -21- A 45,156- 318-71- 8- B	AMEN	21,840- 182-60-10-B	WSEHM (KB10	CM,AASBT,KASs QAA,ZVB,
KAICLV	22,07% 178-62-12-A 21,080- 170-62-15-A	W2JEK W2NPT	2,378- 41-29- 3-Q 2,300- 50-23-15-A	, N3ZZ	44,608- 328-68-13-A	KA4RLJ W4SNH	19,800- 180-55-24-A 18,352- 124-74-17-A	WB5VZL,WR	ISJ,cps) 117,530- 805-73-24-B
KB1VL KC1EL	20,976- 184-57-12- A	WAROOA	380- 15-12- 4-A	KA3GXP W3SIJ	22,144- 173-64- 9- A 1,224- 36-17- 7- A	N3AVA K4UK	4,608- 64-36- 2-B	KCSCP (+ N5	EY)
KZ1L	19,764- 162-61-12-A 19,536- 148-66-12-Q	Southern N	lew Jersey	K3UA(+W	3FSB)	K4DHB	1,102- 29-19- 3-C 312- 13-12- 2-A		52,560- 365-72-20-B
WABSWM KO1O	18,972- 153-62- 8-B	N2MM	122,700- 818-75-22- A	1	23,880- 199-60- 3- B	AAAIC	98- 7-7-4-A /UG,KC4CEW,N4s BRA,	West Texas	
K1XM	13,716- 127-54- 5- A 11,092- 118-47- 2-B	K2YY AB2E	118,570- 835-71-24-B 99,718- 683-73-24-B	4			/UU;RCACEW,N48 BRA, /4HIR,WA4YSE)	N4DW WF5E	114,700- 775-74-24-A 113,880- 780-73-24-B
W1SR KA1GEP	9,400- 100-47- 6-A	WAZLBT	63,648- 468-68-22- A	Alabama			69,058- 473-73-24- A	N5DO	74,692- 526-71-20- A
WiPLJ	8,800-100-44-6-A 5,238-77-34-9-B	W2PAU WB2SJA	55,522- 391-71-15-B 49,818- 361-69-22-A	WZ4F	154,800-1032-75-24-B	West Indies		W6VGX N5TR	44,460- 342-65-13-Q 30,240- 240-63- 7- A
K2PNK	2,800- 50-28- 5-A	K2HPV	47,704- 358-67-14-Q	W4NTI	45,260- 310-73-19-A	KV4FZ (NBO	P,op) 170,550-1137-75-24-B	KU58	24,924- 188-67-20-A
Maine		WZEA ND2P	38,144- 298-64-16-A 33,728- 272-62-15-B	Georgia		WP4FMH	3,348- 54-31-12-A	6	
KX1E KA1OR	70,886- 529-67-22- A 46,718- 329-71-24- B	WB2UV8 WB2UEY	27,612- 234-59-12-A 20,618- 189-61-13-A	N4RJ K4BAI	170,700-1138-75-24-B	5		East Bay	
WA2ERT/1	38,760- 285-68-13- A	NX2C	18,444- 159-58-11-A	AA4GA	135,300- 902-75-24-B 84,658- 572-74-24-A			N6BV	163,050-1087-75-24- B
KA1ZX	10,094- 103-49- 7- A	W3ELJ N2EZ	14,300- 130-55-11-A 13,668- 134-51-10-A	KB4GID	41,208- 303-68-21-Q	Arkansas		W6RGG	103,008- 698-74-18-B
New Hamps		MUDSM	10,904- 116-47-16-A	W4AQL (N4	29,618- 251-59-16-A	K5GO KM5G	171,600-1144-75-24-B 104,488- 706-74-24-A	N6EK K6PJY	102,054- 699-73-24-B 100,944- 701-72-24-A
KITR WIPH	134,384 908 74 22 B 115,778 793 73 24 A	WB2DIN K2TD	6,806- 83-41-24-B 6,660- 90-37- 3-A	KI4AS AA4LR	27,392- 214-64-20-Q	W9OBF	64,320- 480-67-18- A	K6HIH	81,030- 555-73-18-8
NIELN	85,994 589-73-24-A	N2GDW	6,660- 90-37- 3-A 4,278- 69-31- 8-A	ND1J	25,298- 204-82-19-A 24,180- 186-85-24-Q	NV5T W5KL	14,740- 134-55-11-Q 14,200- 142-50- 4-B	K8ATV KS6H	76,072- 514-74-24- A 72,720- 505-72-23- A
K8LT KK1E	70,290- 495-71-19-A 44,446- 313-71-12-A	WA2RCB	3,894 59-33-5-Q	N4UZ	16,074- 141-57-24-8	KSJH	6,120- 80-32- B-A	WOMFZ	37,088- 304-61-10-B
KC1F	41,990- 323-65-11- A	NT2V KA2CQX	80- 8-5-5-Q 12- 3-2-1-A	MOTINE ( + VF	0HLB,W0MHS,WB4SPB) 121,104 841-72-24-B	Wasvbe Ksfuv	2,112- 44-24- 4-A 828- 23-18- 1-A	K&CSL WAØYQM	25,082- 207-63-20-A 5,100- 75-34-11-A
WA1MZV NJ1H	36,356- 298-61-19-B	Western Ne		Kentucky		i.ouisiana	dis 20 10 1 77	WX6M	5,100- 75-34-11-A 1,904- 34-28- 2-B
KAINXT	33,020- 254-65-17- A 15,974- 163-49-14- B	KZKIR	141,636- 957-74-23-B	WM4T (KUE	(aE.op)	W5WMU (K5	GA 00)	WZ6Z	1,872 36-26-2-B
K2TE W1UN	9,328- 108-44- 3-A	K2ZJ	123,580- 835-74-24-A		149,924-1013-74-24-B	•	188,700-1258-75-24-B	Los Angeles	
KA1LMR	7,614 81-47- 2-B 4,032- 56-38- 8-Q	KQ2K W2HPF	118,368- 822-72-24-B 97,090- 665-73-18-B	N4TY N4XM	148,146-1001-73-24-B 109,792-752-73-24-B	KZSD WCSD	98,900- 646-75-19-A 92,564- 634-73-24-A	NE61 N6PN	128,150- 841-75-24-A 118,772- 789-74-23-A
AC1J KI1M (+K1O	2,184 39-28-2-A	NM2L	85,400- 610-70-15-B	W84PRU	98,550- 657-75-17- B	NT5G	75,776- 512-74-24-A	NBHC	89,856- 624-72-17- A
KIIM (TKIO	34,688- 271-64-14-A	KW2J W2FR	78,548- 538-73-21-B 72,416- 498-73-17-A	WB4FOT N1WR	88,184- 604-73-24- A 72,988- 514-71-22- A	K5KLA NO5W	37,536- 276-68-15-Q 19,372- 167-58-12-Q	WASGDS WBSJJE	58,220- 410-71-17-A 47,232- 328-72-21-Q
Rhode Island	i	NE2W	67,864- 499-68-19-A	N4OGW	35,400- 295-60-13- A	WBBVFA	10,300- 103-50- 8- A	SVV98W	43,296- 328-66-20-A
KD2SX/1	124,468- 841-74-23-B	N2MF WB2ABD	61,770- 435-71-11-A 54,020- 365-74-13-A	KF4AV AA4RX	13,208- 127-52- 4- A 6,080- 80-38- 3-Q	K5HAA NU5F	4,148- 61-34- 8-A 2,494- 43-29- 9-Q	WBBJHC (4X1	(IF,op) 31,496- 254-62-18-C
KM1X K1IU	115,588- 781-74-23- B	WAZEYA	43,160- 332-65-17-A	North Carol		KASPBA	2- 1- 1-1-A	WAGUYB	26,718- 219-61-15- A
KIVSJ	46,242- 387-63- 7-8 37,118- 277-67-11-A	N2GU K2UÇ	41,616- 308-68-14-A 39,168- 288-68-15-A	K4PQL	154,200-1028-75-24-B	KSMC (+WSI	EW,WC5N,WW6H) 116,216- 796-73-24- B	N6GL N8HE	26,260- 202-65-15- A 24,720- 206-60- 7- A
K9SB/1 K6IM/1	29,008- 259-56- 9-B	WB2YQH KE2CF	28,800- 200-72-11- A 25,960- 220-59-24- A	N4ZC (WAB	MAZ,op)	Mississippi	Lioiria 100-10-54-5	WA6BIL	23,814- 189-63-11- A
WAIHYN	19,840- 180-62- 9-B 9,450- 135-35- 4-A	NM2J	23,666- 194-61-13-B	AA4NC	145,188- 981-74-24-B 113,184- 786-72-18-B	WQ5L	55,522- 391-71-12-A	WS6T N6IBP	20,520- 180-57-19-A 15,892- 137-58-13-A
N1RFQ K2MN	7,938- 63-63- 8-A	W2TZ	21,692- 187-58- 4- A	N4AA	87,454 599-73-20-A	KSMK	50,976- 354-72-20-D	NGGEN	11,564 118-49-10-A
N1JP/M	3,584 56-32-24-A 480- 20-12-4-A	WA2SON AI2S	19,440- 162-60-17-A 17,136- 126-68-14-Q	WB5M WaUT	53,300- 410-85-18-A 46,728- 354-66-16-B	New Mexico		AE6D W6CN	9,702- 99-49-14-A 8,910- 99-45-13-A
/ermont		KK2B W2OMV	9,200- 100-46- 7- A	NK4Q	38,502- 279-69-20-Q	K7UP	132,150- 881-75-24-A	W8OFP	7.676- 101-38-11-A
<b>NB1GQR</b>	126,980- 907-70-24-B	WA2ICY	4,620- 70-33-5-A 4,536- 63-38-4-A	N4MPQ KB4RJZ	15,840-144-55-12-A 50- 5-5-3-A	KT6X NC5O	73,584 504 73 21 Q 57,980 414 70 15 A	W6UE (AA6R)	K,WABOTU,ops) 150,750-1005-75-24-B
N3SOH NB1A	57,400- 410-70-17- A 58,840- 406-70-19- A	K2XU NA2Q	1,664- 32-26- 2-A 952- 28-17- 1-A	Northern Fl	lorida	W\$50	48,144- 354-68-15- A	W6SD (KB6S)	ID,KI6DJ,N6s LGO,LIE,
CHC	6,868- 101-34- 3- A	WB2PSI (K2I	MP,KD2OM,KE2CP,NB2M,	N4WW (KØL		NSEPA KSQQ	43,550- 325-67-21-A 33,864- 249-68- 8-A	WB6s LPJ,M	HS,WA6KYR,WQ6F,ops) 29,140- 235-62-20-8
Vestern Mas	sachusette		6 DHS,ZKD,ZQN,WB2KAO, 110,400- 736-75-24-B	N4EEB	174,150-1161-75-24-B 153,920-1040-74-24-B	KD5VV	30,228- 229-66-15- A	Orange	
CZ1M	100,198- 877-74-24-A	W2OW (N2H	IR,N6IN,ops)	NX4N	138,846- 951-73-19-B	WD5CAW Al9X	24,282- 213-57-19-A 23,400- 195-60-24-B	KZ:6E	138,750- 925-75-23- A
(B1W (1FIR	66,646 476 70 22 Q 24,898 211 59 8 8		94,200- 628-75-20-B	K4XS K4VFY (N4E	127,604 874 73 24 A	KA5NNG	14,820- 130-57-10-Q	WB6YPX (AAI	68E,op)
VtXH	3,564- 54-33- 6-Q	3			70,956- 486-73-17- A	AA5CC KNSS	12,240- 120-51-11-Q 3,366- 51-33-24-B	Wetco	71,000- 508-71-18-A 66,320- 460-71-23-A
V1JP (A1KPH (+N	850- 25-13-2-A C1B.NM110	Delaware		W4RVU KID1U	53,958- 391-69-18- A 39,600- 300-66-19- A	AASB (+KST/	<b>A</b> j	KOHRT	41,344 323-64-16-A
	69,904- 514-68-18-B	K3WUW	118,990- 815-73-23-B	WB4ZAY	39,440- 290-68-17- A		174,450-1163-75-24-B	NX8M W6SX	19,440- 180-54-22-0 13,818- 141-49- 2-6
2		KQ5G	48,416- 356-68-16-B	W4WKQ W4VQ	39,204- 297-66-15-B 29,770- 229-65-11-Q	North Texas N5AU	400 000 4004 TC 04 P	WA6GFH	12,614 119-53-19-A
		Eastern Pen	ntylvania	WA4SSB	2,640- 44-30- 4 A	KMSR	183,600-1224-75-24-B 156,600-1044-75-24-B	K6RUB KA6SAR (N)	12,544- 128-48- 7- A
Sastem New (SNA	Tork 150,526-1031-73-24- B	KS3F KC3M	109,480- 782-70-23- B 88,112- 598-72-21- A	N4MNU WC4E (+K4	8- 2-2-3-A MATCWN	KÇSDX K5MR	155,250- 1035- 75- 24- B 149,212- 1022- 73- 24- B	WAGRND	6,536- 86-38-19-A
V2XL	133,052- 699-74-24- B	WA3JLD	81,649- 567-72-21- A		100,500- 870-75-18-8	K5NW	147,450- 983-75-24-B	NBPE (+ NET)	3,720- 60-31- 4-A
(2017) (1020)	114,256- 772-74-22-B 109,816- 742-74-24-B	N2FY K3TX	77,816- 548-71-22-A 73,220- 523-70-24-8	South Carol	lina	K5RX N4QS	136,456- 922-74-19-B 116,100- 774-75-24-A		108,142- 727-73-20-8
VA2STM	106,848- 742-72-22-A	K3WW	63,072 432 73 21 Q	KØEJ	109,964- 743-74-23- A	W5FQ	105,150- 701-75-18-8	Pacific	
V2AZS V2DW	87,188- 614-71-22-A 61,904- 424-73-12-A	W9NXF N6CQ/3	57,S12- 398-72-13-B 56,942- 401-71-12-B	W4BTZ K4ADI	101,550- 677-75-22-B 30,998- 246-63-11-A	KW5P NSTP	93,300- 622-75-21-A 89,936- 616-73-16-B	AHGAZ	105,266- 721-73-19-B
12HIF	57,800- 425-88-16-A	WaFW	43,920- 360-61-11- A	Southern Fi		W5ONL	82,436- 557-74-18-B	Santa Barbara	2
1M37 (5HV	49,270- 379-65-19-A 34,348- 277-62-10-A	K3KW KY3T	40,738- 304-67-12-A 37,310- 287-65-18-B	N4BP	154,068-1041-74-24-8	W5MYA N5JB	73,576- 541-68-15- A 62,906- 443-71-11- A	W2KVA/8 WA6FGV	73,440- 510-72-21-B
(W2D	32,512 254-64-18-A	WB3ESR	34,180- 280-81-15-A	WD4AHZ	78,384- 552-71-24-A	KD5PJ	57,120- 408-70-19-A	WETKF	61,880- 455-68-18-A 57,680- 412-70-16-A
(N2Q	32,128- 251-64-13- A 29,768- 244-61- 9- A	WA3RTY KB3JK	33,978- 274-62-21-A 29,648- 243-61-13-B	AA4RO N4GVT	42,746- 319-67-19-A 35,328- 256-69-16-A	N5RM K5WXZ	54,944 404 68 8 B 50,920- 380-67-21-A	K6MP W6OUL	19,250- 175-55- 8-A 10,404- 102-51- 5-A
12FZJ	28,844- 217-66-18- A	КҮЗМ	26,904- 228-59-12-B	KO4D	27,594- 219-63-11-B	N5CR	47,484-349-88-5-13	W7CB/6	10,000- 100-50- 3-B
VB2FOB (A2MY)	23,072- 206-56-13- A 18,816- 147-64-11- A	KU3A KH3I	23,180- 190-61- 9-A 23,084- 199-58- 9-A	W4YN WB90EP/4	10,200-100-51-9-A 7,120-89-40-5-A	nnst Wmsk	46,200- 330-70-24-A 44,380- 317-70- 9-A	VE3AWE/W6	9,568- 104-48- 3-8
V2NRD	16,974- 123-69-14-A	NJ3N	18,032- 184-49-24- A	N4RP	1,276- 29-22- 3-A	W5MW	37,922- 283-67-16-8	AA4Q/6	3,120- 60-26- 4-Q
VA2CJY (A2MZZ	3,348- 62-27- 3- A 2,600- 50-28-24- A	NI3J W3ADE	17,324- 142-61-18-A 14,280- 140-51- B-A	WV5Z (+ N5	KRX) 11,368- 116-49- 8-A	NT5V NN5E	25,520- 220-58-12- A 20,904- 156-67-12- A	Santa Clare V	'alley
IYC-Long Isl		KB3GL	9,400- 100-47- 9-A	Tennessee	7 11	W5AH	11,128- 107-52- 7-Q	N6BT (WABVE	F,op)
D2RD	122,396- 827-74-24-B	K3IPK WB3KXM	8,736- 104-42- 2-A 7,400- 100-37-12-A	N4ZZ	156,880- 1060- 74- 24- B	N5UA WA6FEB	10,200- 100-51- 9-B 512- 16-16- 3-A	K6XO	174,000-1160-75-24-B
(2AU	117,822- 807-73-23-B	N3CZB	5,418- 63-43- 6-A	K4LTA	115,440- 780-74-24- A		(5MW,WD5K,ops)	N6KV	114,700- 775-74-24 B 94,900- 650-73-24 A
(A2AEV (2SX	117,150- 781-75-23-B 117,068- 791-74-22-B	AIXQ WB8KPE	4,999- 51-49- 9-B 2,350- 47-25- 4-A	AA4DO N4IR	111,444- 753-74-24-A 85,248- 576-74-20-A	KM5K (+KY5	133,350- 889-75-24- B Ni	N6ZB AD6E	88,848- 617-72-21-B 76,176- 529-72-18-A
CAZCIW	40,320- 315-64-15-A	KASQND	750- 25-15- 4-A	K3CQ	73,008- 507-72-18-B		89,498- 613-73-22-A	NS6V	74,760- 534-70-16-A
2YGM V2GKZ	37,788- 282-67- 9-A 29,250- 225-65-12-B	agsg Kasnja	112- 8-7-1-A 24- 4-3-3-A	K4OAQ N4TG	59,432- 437-68-15- A 34,560- 270-64- 8- A	Oklahoma		KD6PY K6YA (KA7EXI	68,112- 473-72-24-Q M.co)
V2KTF	20,740- 170-81- 5- A			AA4DL	26,520- 204-65-12- A	KM5H	122,840- 830-74-24- A		46,600- 360-65-20-A
V2XS VB2QEU	18,924 166-57- 6-A 14,012- 113-82- 5-A	Maryland-DC W3LPL		WB4FNN K4XO	9,130- 83-55-28-A 5,618- 53-53- 3-A	WM4Z NI8W	90,288- 627-72-20-A 26,474- 217-61-12-A	KBXG NGRK	45,500- 325-70-12- A 42,024- 309-68-18-Q
V2AYJ	18,144- 124-53- 7-B	K3NA	164,668-1128-73-24-B 153,160-1035-74-24-B	KK4QE	286- 13-11- 8-Q	WK5P	23,718- 201-59-13-Q	Welo	41,616- 308-66-18-Q
V2QGE V2DX	4,380- 73-30- 2-B 3,000- 50-30- 2-A	K3ZZ	134,828- 911-74-24-B	Virginia		KA5DAV K5CM (+ NSs	14,448- 129-56-13- A CG,KW)	kjev Nenf	39,864 302-66-13-B 28,000- 200-70-10-A
		K3SA W3AZ	60,000- 400-75-10-B 58,220- 410-71-18-B	W4MYA	116,070- 795-73-23-B	,,	171,750-1145-75-24-B	KIEKS	26,964 214 63 19 A
		W3UJ	55,510- 427-65-15-B	W9LT/4 W4YE	92,272- 632-73-24- A 85,950- 573-75-16- A	South Texas		Mekczn	13,300- 133-50- 6- A
		WB2EKK	44,472- 327-68-10-A		aniana NIA-IA-IA-V	K5GN	179,080-1210-74-24-B		

VRIQU VRDBZ	5,618- 510-	53-53-10- 17-15- 2-				381-66-19-A 246-70-15-Q	Wajwx Kcajh		216-64-24-Q 10-10-1-A	KOBD K4XU		1021-73-24-B 974-74-24-A	Saskatchewa VE5VP	n 29,14 <b>8- 247-59-</b> 1:
	310	11-10- 2-	K7\$	8 3	0,552-	228-67- B-Q		LUU-	10-10-1-11	WWJA	125,800-	850-74-24-A	VE5AAD	19,890- 195-51-
ian Diego (6NA	170 100 1	134-75-24-	W718 8 WA7			211-68-18-A 197-64-7-A	9			AOBS N2IC		761-72-20-B 749-72-24-Q	VESAGM VESKZ	18,848- 156-54-2 11,978- 113-53-1
IC8U		992-75-24				200-61- 6-B	lilinois			KJØG	104,340	705-74-22-8		110000-110-00-1
8ND		938-75-24-				184-61-14-Q 177-61-13-A	AG9A		991-74-24-B	WINCE		704-74-18- A 744-70-22- B	Alberta VE6DZ	Jenno grade i
KUQF KW		834-75-24- 842-73-24-		3YK 1"	7,284	149-58- 9-A	K9KM AC9C		989-74-24-B 949-74-24-B	WIXE	103,500-	690-75-24 A		46,020- 354-65-1
SAYW		398-67-23-				116-47- 5-A 101-48- 2-A	WESTKI	123,078	843-73-24-B	KDØZR KØFRP		592-73-23-B 576-70-24-Q	British Colum	151a 161,700-1078-75-2
nzh Smrvv		349-72-16- 327-69-20-			7,740-	88-45- 7- A	KS9O		818-75-24-B 777-74-24-B	KøDTK	65,088	464-71-18-A	VE7CC VE7ARQ	94,424 638-74-1
6JXA		210-63-10-			6,474	83-39- 6- A	NBAEJ K9ZO		756-75-24-A	KRØU NØFFZ		302-65-16-Q 259-65-19-A	VETYU	39,996 303-66-2
BQX ABEE		213-61-19- 193-64- 7-			672- 264-	21-16- 5- A 12-11- 1- A	K9UIY	109,076	737-74-24- A	WOKEA	23,200	200-58-13-Q	VETEKS	1,440- 35-20-
en Francisco			KE7	UD	12-	3- 2- 2-A	K9LJN K9WA		739-73-24-8 708-73-24-A	KIBG Kelmd		180-55-15-CI 147-42-11- A	Northwest Te	
SJTI		737-75-24-		ED (K6PQJ,K/ \7UVJ, aps)	A/USE,	N/NW,	KC9T		676-74-24-A	NYDQ	750-	25-15- 6-Q	VESKD	19,376- 173-56-1
6LRN	43,746	317-69-12-	В	8	12,224-	571-72-24- A	NATR		567-72-23- A 555-72-24- B	K9MWM/9 K9RF (+K2N/	380-	15-12- 4-A		^
6BWX ASLLY	25,910	245-59-14- 105-55- 6-	B Wyo	oming			NA9J K9BG		519-72-13-B	Remir (+1021)	170,940-	1155-74-24-8		<b>(A)</b>
/B2CHO/6	380-	15-12- 2-	A K7M			682-75-20-A	KSHDE	73.672-	513-72-17-B	lowa				
/68IP (+KK1.	A) 103 650.	691-75-21-	B N7G			724-66-16-B 340-72-19-A	AMEN QAJEW		513-70-18-A 470-72-18-A	WØEJ	118,844	803-74-20-B		(3.50)
		100 1- 7 U- E. I-	K7Q	YG 3	35,108	262-67-14-A	K9LUW	67,598-	463-73-21- A	NOØZ		512-64-17-A		(RER)
un Joequin \ Deww		713-73-19-	A NC7			113-48-11-A 103-50- 9-A	ngjf Kgju		451-72-20-A 438-70-21-Q	NUBQ NUBL	38,716	346-69-17-A 274-67-15-A		\ # /
MTIBBITM		133-54-12-			4,940-	65-38-14-B	NJ9C		398-73-21-Q	WAITC		264-66-16-A		\ <b>3</b> /
/A6YAB	2,940-	49-30-5-	A 8				W9VA		385-71-11-A	WBØB KEØBX(+KA£		19-10- 3-Q ASM.AQD.	<b>5</b> 5	V
acramento V							K98B KN9B		376-70-16-A 365-69-17-Q	NBUP)			Phone	
BIG		1095-75-24-	_	higan			W9ZTK	43,684	328-67-13- A	NØICI (+KDØ		550-69-24-B	1	
MGO (KGEST	(,op) 157.050-	1047-75-24-	B WB1			555-74-24- A 558-73-21- B	WASAXL		302-68-12-A 293-68-10-A	TOO CT TOO		498-67-19- A	Connecticut	
(86G	143,850	958-75-24-	B WAY			562-71-22-A			271-70-19-Q	Kansas			WIWEF	218,550-1457-75-1
16JV		843-72-24- 741-75-23	B NJ8	X 7	79,520	566-71-23- A	KSRR	35,750-	275-65-19-A	KBØG	160,728-	1086-74-24- B	KSHVT	168,484-1154-73-2
8SG	107 152	724-74-22-	B 1000			550-69-22- A 477-71-24- A			262-63-11- A 238-68-24-C	Køvbu	105,900	706-75-24- A	NJ2L	158,400-1058-75-1
6GG		674-74-20- 338-69-12-	€ KWE	8G. 5	56,140-	401-70-23- A	KEPPW		232-69-11- A	WAATWB WAAWP		426-89-12-B 227-71-17-A	K1TO NBRA	148,888-1006-74-135,000-900-75-1
/6NKR 88P8		288-71-20	K8S	SIA 5	55,098-	388-71-11- A	KECW	29,512-	217-68-11- A	NØFMR	29,512-	238-62-16-A	WIODY	134,028- 918-73-1
/6EGX		280-89-11-	A WEST			430-63-16-A 355-69-19-A			199-71-10-A 197-70-19-A	NWØF WØYRN	26,536 3,160	214-82-12-Q 53-30-8-A	KINYK	118,944 826 72-1
			NBE	EA 4	47,302-	353-67-24- A	KASIMX	25,200-	200-63-24-A	ABBS (+ KØW	VA, WECEM,	)	K1CC K1RM	113,400 756 75- 110,400 736 75-
			K8C K8S			334-65- 5- B 313-67-20- A	WOZEN		199-57-12-A	*	139,824	971-72-24-B	AA2Z	103,392- 718-72-
ilaska 1.700	4470	914 70 01	KNID			275-64 9-B			177-81-10-A 135-67-14-A	Minnesota			WA1LVW NK1P	97,382- 667-73- 95,922- 657-73-
il700 il76P		814-72-24 509-73-9	B W88	EGI 3	31,360-	245-64-12-A	KG9Z	17,160-	158-55- 9-Q	NEAT		939-75-24-B	NJ1V	92,016- 648-71-
L7BK	18,040-	164-55-16	A NOU			226-68-17-Q 239-60-19-A	K9CC K9EU		154-55- 5- A 141-59-12-Q	KBIJI. WBAA (NBCIE	128,166- 3.00)	868-74-23-B	KIB1HY	84.064 588 74
IL7DU	9,840-	120-41-18				185-69-20-A			136-52- 6- A		127,896	875-73-22-B	KIWA WAILJP	78,600- 524-75- 70,892- 479-74-
Irizona			1000			211-54-13-C	NASI		120-46-24- A	KMØO WØUC		864-73-23-B 763-75-24-A	KGID	67.536 469-72-
KOLL	175,350-	1166-75-24 1033-74-23				183-55-11- A 158-59-15- A		10,176- 7,380-		K3WT		701-73-24-A	KA1CI	66,240-480-69-
CY7M C?NO		888-75-23	B Wel	MSK 1	18,012-	158-57-10-A	MTEW	5,504		WARREW		636-71-16-B	WA1NLD K1IN	62,906- 443-71- 47,888- 347-69-
N7CIX		775-70-21				155-54- 6-C 161-49-14-A	******	4,218-		KØFZG KØTO	80,92 <b>9</b> -	562-72-18-A	KH6CP/1	46,095 344-67-
N7YS N7CPL		427-72-20 433-71-21				134-51-13-A		2,600- 874-		KØHB.	71,284	502-71-22-B	K1BV W1GNR	45,288- 333-68- 41,880- 299-70-
N7GFT	52,380-	385-69-18	B N8F	ISN 1		155-40-23-7	WARAVL (	+ N9CXQ)		KNØV WAØMHJ	47,302-	432-70-17- A 353-67-10- B	KAIJTH	39,000 300 65
NG78 N7ZMD		292-68-24 285-66-12		URM 1 VWY		100-50- 4-A 120-38- 6-0			643-73-23-8 I,KB9LI,NA9I,	KETK	43,550-	335-65- 6-8	KIDII	38,224 283 54
NN7A		175-60- 8		BIZE	5,396	71-38-18-7	NCSF,WS	JI,WB9RGZ)	'MOSCI'IANSI'	WØYHE WØTIV	29,524 23,640-		W1BIH KB1WR	28,416 192-74- 26,352 216-81-
klahe			Nac	3WV	3,328	52-32-12-A 47-27- 5-A		55,338	401-69-24-A	WeNGB	20,788	176-59-13-A	NF1U	23,064 199-58-
K7QD		1001-73-22		ss 8FRD	2,500-	47-27- 5- A 50-25-12- A		OXIZ,BAV <b>sea</b> IVI,LEMIA,16A	,KID9KU,KE9DE, 9CY)	WAØWWW		150-53- 7-A 128-57- 9-A	W1ECH KB1	23,072 206 56- 20,448 213 48-
N7HJM		723-74-24 410-70-19	🐴 Wat	PVI	2,436-	42-29-8-4	1100000		263-59-18-B.	KWVW	12,288	128-48- 4-A	W1QI	17,584 157-58
WE7X KK7A	20,862	183-57- 7	O Wat	WYU WYU	1,680- 528-	40-21- 2-4 22-12-24-			z.	KBØVP KØGJX		110-49-11-A 112-49-14-Q	AB1U	15,092- 154-49-
W7QDM	6,640-	83-40-2	· ^ KE8	ВX	176-	11- 8- 1- 4	Ware	161,400	1076-75-24-8	ABØ2P(+WB	iøhch)		KA1VC K1KI	14,760 164-45- 13,426 137-49-
Montana			W84	QiY BIFD	96- 70-	869	KSRS	145,582	997-73-24-8	KØTLC (KA8s		906-75-24-B LZSU.KKOC.	W1TKG	11,904 124 48
K87T		874-72-24	- M NO		50-	5 5 6 4			867-72-23-8 - 784-73-23-8	KZ0I,WB0s			KA1CV WB1DQT	8,436- 114-37- 8,200- 100-41-
KE7X K#PP/7		824-73-24 726-73-24	. A NYS		18-	3 3 3 4	WWOO	68,400	475-72-24-A	HRX, ops)	64,998-	471-66-20-B	K1880	7,800 100-39-
KS7V	89,096	602-74-20	. A. KEA	VOM (+KSJM, ISL,WBIQ,WDS		M,NSINX,NBSL	, AJ9C N9ACD		- 448-71-12-A - 432-69-17-A	Missouri			WAISTO	7,600- 100-38-
w7wws (SM	80RD,op) 86.544-	601-72-20				1098-74-24-E	K9HCX	16,588	143-58- B-A	K4VX (NU9R			WASVIL KA1MIS	6,980- 87-40- 6,184- 96-27-
NTICC	3,108-	42-37-11	· A ON	lo			AD7U N9NB		97-43-5-Q - 50-27-1-B'	KMØL.	170,100- 123,600-	1134-75-24-B 824-75-20-B	KAIRDX	3,848- 94-21-
W7LR	2,914	47-31- 2	- A		56,288	1056-74-24-6	Nanc	1,000	25-20- 1-B	WeHeH	104,390-	715-73-23-A	KA1MWX KA1MWT	1,140- 30-19- 910- 35-13-
Nevada			K8A	AZ (K8NZ,op)			KTAD (+ A	ASYVR,KKO		Kødeq NSØB		530-74-16-B 193-58-8-A	N1DXL	288- 18- 8-
WAZNIN (WO	OAT,op)	1211-74-24	.в W8			1050-74-24-6 1012-73-24-6		100,500 , 198,WA9PIE	710-75-14-B	WDBARX	11,730-	115-51-17-A	KAIJTI	18 3-3-
NF7P		1018-75-24				807-73-24			502-69-24-B	KABKKV	3,712	58-32-14-Q	N1ADE (+N	its EBF,EBG) 106,336- 732-74-
NC7K		660-75-23				827-71-24-	Wisconsi			North Dekot	a		K1DW (+K1	NCD)
KUTY ND7M	56,032- 40,108-	412-68-25 271-74-17	ru wa	ISJU (WB8PHI		589-71-24-E				WBOO	166,204	1123-74-24 B		85,058- 599-71-
W78	29,618	251-59-19	⊦A K3J	л :	90,082-	617-73-20-1	1 ,	142,800	- 952-75-24-B	Nebraska			Eastern Ma	esachusetts
Oregon						602-71-24-7 512-69-21-7		(KBFVF,op)	> 919-75-24-B	KVØI		659-74-24-Q	N1AU (K5M	R,op)
W7NI (NOTA,	op)		wa			442-68-20-			) 757-75-24-B	K8SCM K8MZV		- 642-72-24-Q - 362-67-17-A	WB2UMF	111,580- 797-70- 54,284- 399-68-
	177,008	1198-74-24	⊦B K1F	FR 9	54,400-	400-68-10-7	NISO	98,842	2- 677-73-22-A	WBØSYV		367-64-17-A	WIFM	50,784 368 69
A17B AG7M	167,560	1158-74-2- 1117-75-2-	⊦B wa			354-69-10-1 335-68-19-0			F 672-71-16-B F 609-70-24-A	South Dakot	ta ·		WB1FAW	38,582- 273-67-
WTYAQ	121,950	813 75 2	FA WA	NETMK -	41,400	300-69-18-7	N8NA	82,921	3- 588-73-15-A			-1141-75-24-B	WITUM WABSWM	31,200- 240-65- 27,216- 216-63-
K7KJM K7WPC		695-73-20 299-64-10	NF	83	32,568-	236-69-23-7	K9OSH	70,290	) 495-71-20 B	KILL	110,880	- 770-72-24-A	NK1O	25,688- 207-52-
W7WHY	32,280	269-60-1	FB No	/4G CSL (K8MR,o <sub>l</sub>		237-65-12-7	WB9HRC W9HE	69,26	4 481-72-21-Q 3- 469-71-15-A	WASNSY KSLZT		- 258-83-17-A - 51-28-3-A	W1KRS	24,600 205-60
K7DBV N7DG		· 228-64-13 · 140-72-14	ru LB		26,032-	219-64- 8-8	NB9C	57,218	8 427 67 12 B		~,000	W. FI	KC1EL K1UCA	24,444 194 63 22,960- 164 70
AI7W	3,380	58-30	- A 110			225-60-12-7 195-68- 5-7	KO9Q	49,42	0- 353-70-13-A 4- 316-67-15-A	VE			WATAYS	16,988- 137-62
NS7W		40-23-4	rn <sub>1/81</sub>	8L :	22,000-	200 55 5	NG9L	42,22	8 306 69 12 A	Maritime-NF	LD		N1DPK W1AX	16,912- 151-58- 13,824- 98-72
KATOLK	782	الناا حصي	ru NO	28Q	10,980-	122-45-9-0	NI9C	39,07	2-296-68-14-A	VO1AW	25,870	- 199-65-12-A	N1DAM	11,250- 125-45-
Utah	, ma	AFA		DBAJF BPMJ	9,800- 7 202	100-49-10-7 84-44-3-7			D 212 80 15 B 8 214 57 8 A	Quebec			K1ZZJ	8,208-106-38
W7CFL W7H\$		858-75-2 205-64-1	KA	8ZPH	0,536-	86-38-7-7	N9KS	23,66	4- 174-68-10-A	VE2AQP	61,880	- 442-70-21-B	N1CKO NB1B	5,032- 74-34- 4,968- 69-36
K7CU	13,932	129 54	NSI	FU	5,160-	86-30-5-4	NA9M	23,60	0-200-59-15-Q	VE2FFE	25,320	- 211-60-11-A	W1PLJ	4,964 73-34
KK7C W7MR (+ KE		53 28 LWE7s B.D		MR IVZE		42-21- 2-4 17-11- 2-4			2-132-58-13-A 0-140-52-9-A	VE2BLX VE2CB\$ (VE2	240. د AHD.EDL ئ	- 54-30-5-A LFLUL,WA.ops)	WILUG	4,602 59-39
TALLET (4 ME		1,WE/8 B,D - 717-74-2		EDU (AF8A,N	I,GRA8P	WB8WTS,ope)	N9CIQ	12,18	8- 117-52- 3-A			- 264-62-14-B	N1DS WA1PLK	4,216- 68-31- 1,344- 42-16
Washington	-			t	06,992	743-72-24-1	N9GVT	5,77	2 78 37 15 A	Ontario			KA1CQD	608- 29-11
W/WA		1149-75-2		BBSMC (KABW) BBs MRU, QVI			N9EAX KE9FT		6- 51-33- 7-A 6- 41-26- 7-A	VE3OOL		258-66-15-Q	WB1GEX (	
N7TT	147,300	982 75 2	4 B			586-70-24-1	3 MB8ZIO	2,24	0- 40-28-7-B	VESNBE	22,932	- 182-63-10-A		136,200-906-75 NPCM)
KR7G K7WA	143,550	957-75-2	4 B	est Virginia			KB9W	1,19	0- 35-17- 1-A	VESTEE VESART (VE		- 52-30-13-A AS,ops)	•	81,224 672-71
	95,338 94.784	- 653 73 2 - 649 73 1		-	87 ROP	619-71-15-	٠ و					982-72-20-8		is FCR,PQY,QWE,N1:
		637-68-1	7-B KB			345-71- 8-1	3 ~			Manitoba			EYZ,ND1Z,	ops) 18,350- 180-51
WAZRKJ WZBUN	86,632													
WAZRKJ	86,632 68,258	474 72 1 428 71 1	₽.^ ко	18G	43,014	321-67- 8-0 246-74-16-0			4-1119-73-24-B	VE4AEX	30,810	- 237-65-20-A	KD2SX/1 (-	

Maine KA1ZX May4.3	988.QST-	Copyrial	T (877)02	0 Amer	ican Rac	iction	1376 T 24 A COL	e SPM - /		M& Rese	ır√ <b>AŞE</b> HM (CE3	LAR,WN4KKN,I	KASOVB,
WB1EDL 5,4	18- 63-43- 6-A							KB4MRH	13,524- 1	82-56- 8-X 47-46-13-A	KASQAA,KA! WR5J,WD8E	5WSS,KA5ZVB,I	N5JGX.
Hew Hampahire		K8XR WB2DIN	113,850- 758 87,264- 60		W3ZZ W3GNO		368-69- 6-B 286-68- 8-B	N4NNZ KA4RLJ		18-52- 9-A 90-41-24-A	W5XD (+KB5	152,400-1016-	75-24-B
	50- 997-75-21-B	WZPAU	71,540- 491	73-17-B	K3SA	38,060	280-68- 6-B	KA5NLY	7,272- 1	01-36-10-Q	TOND (TREE	21,836- 206-	-53- B-B
	08-607-72-22-A 38-589-71-13-B	WB2SJA N2ETJ	63,802- 437 63,048- 444	7-73-22-A I-71-24-A	KC3EK W3EE		279-59- 6- A 200-61-12- A	N4JGQ KB4EUZ		96-35-7-A 63-35-7-A	West Texas		
K1TR 47,43	36- 354-67- 7-B	WA2LBT ND2P	58,846- 413	3-71-24-A	W82EKK N3GB	16,578 11,280	148-56- 3- A 120-47-24- B	KA4ERK	4,032	56-36-4-A	WF5E	170,550-1137-	
	78-217-67-19-A 52-214-59-9-A	NX2C	57,120- 420 54,400- 400	- 68- 15- A	W3FQE	9,360	130-36- 8-B	W4JLS K4UK	736-	64-30-3-A 23-16-1-A	W\$VGX N5DO	70,000- 500- 60,590- 415-	
KT1H 17,24	48-154-58-8-A	KZ2I WA2WJL	45,500 325 35,532 282	-70-20- A	KD7JZ/3 WB3!MM	7,872 7,088	96-41- 8-A 91-39- 7-A	KC4DY (+ AE GNN,VG)	34U,KB4s NNI 144,000- 90	E,PW,N4s	N4DW	31,270- 295-	53 6 8
	52- 142-53- 5-A 42- 129-49- 3-B	WB2YOF	29,264 236	- 62-24-A	WA3VPL	6,398	82-39- 4-A	AAAUC (+KE	140MD)		KSRF KD5SP (+ N5k	10,000- 100- KTW,WD5EGS)	50 4 A
KA1NXT 11,93	38- 127-47-14-B	WB2UEY WA2RCB	25,058- 216 23,760- 198	-58-16-A -60-9-Q	N3FDG KC3D (+KA	3,132- 3ONG)	54-29- 4-A		39,780- 3	06-65-24- A	•	103,748 701-	
KA1AUA 6,95 KA1LMR 5,70		WB2R	23,668- 194	-61-17-A	·	80,316-	582-69-13-B	West Indies			6		
N1FCC 5,32	28- 74-38- 6-B	N2RF W2FGY	21,420- 210 17,264- 166		WB3JRU (+		37-21- 1-A	WA2UDT/KP2		77-43- 6-A	East Bay		
NJ1H 2,30 KA1LDS 50	00- 48-25-3-A X8- 23-11-4-A	W2EA	17,172- 159	-54- 8- A	Western Per			N2HLZ/KP2		94-29- 7- A	N68V	279,600-1884-	. 75. 24. R
	6 12-9-2-A	N2EZ W2ORA	14,382- 153 11,408- 124		K5ZD/3	95,016	642-74-12-A	5			KOZM (KISEZ,	Op)	
Rhode Island		WB2UVB N2VW		-46-10-A -50-4-B	NSTP KSMD		656-71-16-B 237-56- 4-B	Arkansas			WEBSY	145,780- 985- 138,150- 921-	
	4- 538-74-17-B	NF2C	10,336 138	38-8-A	KA3RQX	15,912	156-51-18-A	KSFUV	137,344- 92	8-74-24-A	VE2AQS/W6		
	XO- 212-65-23-A X2- 214-64-12-A	n2guw Ka2kfo	10,298- 99 9,494- 101-	·52· 7· A ·47· 12· A	KA3GXP K3RYA	9,360- 8,214-	90-52- 7-A 111-37- 6-A	W9OBF	117,384 80	14-73-24-A	WR6R	97,488- 677- 89,936- 616-	73-22-A
K1DS 26,88	D- 210-64- 7-A	K2LOO	7,110 79	45-6-B	K3UA N3AEP	7,740	86-45- 1- A	AA5BE WD5COT		10-72-20-B i3-59-9-A	KS6H N6EK	66,350- 589- 64,584- 468-	75-21-A
	4 203-59-11-A 0-142-55-12-B	KD2AE N2FJQ	3,806- 56- 3,800- 50-	34-4-B 36-6-8	KOSE (KASS	480- FO,NJ3N,op	20-12-1-13 s)	KASFZL WASVBE		00-62-21-B	NBCCL	56,576- 416-	68-17-B
KA9HAO 9,00	0-100-45-8-Q	N2HQL N2FJM	3,072- 64-	24 B A	N3FAS (+KA	47,740	341-70-22- A	K5JH		37-58-11-A 35-58-10-A	K6HIH WZ6Z	44,840- 360- 29,358- 233-	-59-8-B -63-6-B
KA1DNB 3,779 W1LQA 3,200		N2AWC		25-11-A -26-6-A	Marko (+10	35,400-	295-60-21-B	NSKKO	17,160- 15	56-55-7-A	WARYOM	15,272- 166-	48-13-A
K1NG (+ K11G, KD25X)	3	WB2YEH AB2Y		18 5 Q 19 2 B	4			Louisiana			WX6M K6CSL	13,188- 157- 6,408- 89-	- 42- 1-B - 38- 7-A
الله: (WA1TAQ (+KA1KWE)	8-1378-73-22-B	WB2LNR		12- 5-B				W5WMU N5EPU	248,000-164 69,378-46	10-75-24-B 12-74-24-A	KS6Q	2,162- 47-	23- 3-B
127,200	0- 848-75-21-A	Western New	York		Alabama WZ4F	213 000.4	1420-75-24-8	WC5D	32,026 23	19-67- 8-A	Los Angeles		
W10P (K1s HGC,PLV, BBM,ops) 89,711	2- fi23-72-24-B	AJ3K	157,500-1050-		N4RNA		55-19- B-A	N5FYJ N5JM		10-67-13-A 12-31- 4-A	N6HC W8AKS/6	155,400-1050-1 80,850- 539-1	74-19-A
WIAQ (KIAGA,KAIMO	,WA1s VEK,VPC,	AF2K W2HPF	108,576- 754- 105,524- 713-		Georgia			KA5PBA W5EW (+K5M	1.680 3	5-24- 6-A	KE6B	58,380- 417-	70-21-A
KM1X,WA2KPE,ops) 44,330	0- 341-65-21-A	KQ2K	55,878- 417-	67 12 B	N4FD		015-75-20- A	****** ( + K58	AC,WC5N) 140,304 94	I8-74-21- B	WB6NFO WA6GDS	44,020 310 36,820 263	71-24-A
Vermont	17	KB2SE KB2NU	55,772- 382- 54,244- 382-		AA4LR K4EZ		398-72-21- A 285-68-11- A	Mississippi		=	WBBUE	34,580- 247-1	70-13-Q
	0-1447-75-24-B	W2HG NM2J	50,468- 341-	74 10 B	K4BAI	32,630	251-65- 7- A	WQ5L	40,180 28		NSIBP WSOFP	28,248- 214-( 27,342- 217-)	66-15-A 63-20-A
NK1A 206,850	0-1379-75-24-B	K2UC	49,980- 357- 41,540- 310-	67-14-A	KE4XT KB4GID	31,892- 25,058-	238-67-13- A 187-67-17-D	KSSVC KVSF (+WD5.	32,760- 26	6-63-8-A	KD6JP	20,088- 162-0	62-16-A
	0-250-60-10-A 0-100-70-10-A	NZ2E K2OL	37,520- 280- 34,304- 288-	67- 15- B	AA4GA	9,200	100-46- 2-A	1000 (+1100	18,480 16	8-55-18-A	NeGEN KBICS	17,400- 150-9 15,680- 140-9	
KA10VA 2,750		KK2B	33,500- 250-	67- 10- B	ND1J W4UYC	7,480- 4,392-	85-44-5-Q 81-38-4-A	New Mexico			WB6BXP	12,800- 128-	50-11- A
Western Massachuset	tts	NE2W WA2WPI	31,580- 263- 30,744- 244-	60- 12- A 63- 18- A	KI4Y W4AQL (+K/	308-	14-11- 1-A	KN5S	153,750-102		WOUE (AAGRX	8,400- 84-5 (,op)	50- 11- A
	4 486-72-22- A	W2MTA	29,394 213-	69-15-A	N4MLG,WA	4ABY,WA4K	XY,W8ZI)	NSEPA WS50	127,090 89 67,480 48		KESFY		40- 2-Q 33- 6-A
	4- 462-71- 9-15 B- 342-74-21-A	WB2YQH WB2EKP	29,200- 200- 28,160- 220-			104,544	726-72-21-B	W5OLN	25,254 18	3-69-17-B	WB6VVS	3,640- 60-3	32-3-A
K1KNQ \$1,392	2-218-72-9-B	KE2CU K1JUL	21,648- 164	66-11- A	Kentucky			WB5CYK KA5VTQ	22,790- 21 19,266- 16		W6CN W6PFE		31- 3-Q 25- 6-A
K1BR 392 NJ1F (+N1EMG)	2- 14-14-11-B	W2FXA	21,122- 179- 20,606- 161-	64- 6-B	Ki4QJ KB4AMA		538- 71- 24- A 346- 69- 20- A	N5HXT N5JXU	17,172- 15	<del>9-54-</del> 11-A 5-17-5-0	KB6STF	1,900 50 1	19- 6- A
129,944	578-74-18-B	KD2PC N2ARG	20,406- 179- 19,140- 165-		WB4FDK	40,880	280-73-11- B	AASB (+ KSTA	<b>)</b>		WB6FFW NG6L	714- 21-	23-5-A 17-3-A
KA1KPH (+N1DPM,N0 123,824	- 18 B,I,NM1K) - 872-71-16-B	NA2A	17,278- 163-	53 B A	N4OHW KB4SRE	33,552	283-67-19-8 233-72-13-A	KESBL (+ KSQ	272,550-181 D.KD5VV.AI9	7-75-24-B X)	W6VPZ (AA6CS	S,KBKH,KB6s PM N6OQU,W8CN,V	MO.PMR.
2		WB2ABD K1MEQ	14,410- 131- 11,424- 112-		KI4DC WB4LKP	28,910-	207-65- 7-B 181-65-24-B		187,050-124		WX6N,ops)	VOCCO,WACN,V	Wedc,
		ales Weomiv	9,424- 76-	82-8-Q	AA4RX	16,830	185-51- 3-A	North Texas			WD8DJY /KH8	121,410- 655-7 WZ,WB6LMN,cp	71-24-B
Eastern New York K2UR 126.550	- 837-75- <b>23</b> -B	W2TZ	8,034- 103-: 7,684- 113-:	39-12-A 34-2-A	KB4YTD (T)		183-25- 6- A	NSAU KSYNZ (KESC)	259,650-173	1-75-24-B		111,836 766 7	73-14-B
KC2AG 124,172	F 837-75-23-13 F 839-74-24-B	Kaskda Kakiri		28- 1-B 27-11-B	North Carolin N4AA			•	259,350-172		WEGAA (WASH	31L,WB6JCD,ops 51,600- 370-7	
	)- 367-70-14-B 2- 376-71-13-B	KB2CSM	2,400- 60-	20- 7-A	KJ4TI		038-75-19-8 303-70-20-A	KMSR N5UA	225,000-150 163,350-108		N6PN (+KR6X)	)	
WB2ROV 48,464	- 352-66-24-B	N2GSS K2ZJ (+K2ZL,)	6- 3- N2MF)	1- 1- A	W4UH WB4Y		172-59- 4-A 135-61-10-A	K5RX	157,200-104	B-75-18-B	WEKAT (+ NEB	43,112- 317-0 XX,WA6SNG,W	VB6JBL)
	)- 273-65-10-A  - 221-61-11-A		197,550-1317-1		N4IQA		129-53-13-A	KSNW NT5V	158,584-105 154,350-102	5-74-20-B 5-75-22-A		42,344 316 6	67- 24- A
WB2KHE 25,080	► 209-60-17-A		JT,KB2DM,WB2 169,050-1127-7		NK4Q AF4D		134-51-11-Q 99-67-10-A	KCSDX	151,650-101	1-75-13-B	Orange		
NW2F 17,564 (N2C) 14,580	- 157-56-11-B - 182-45- 8-A	W2OW (KD2PC	N2HR,N6IN)	-	KB40EN	13,152	137-48-14-A	W6MYA N5JB	125,504- 840 124,800- 83		N6RJ KIBDU	189,750-1265-7 53,340-381-7	75-24-A
C2QF 10,700	- 107-50- 3-B	WB2PSI (K2s M	P,OS,UD,KD2ON	N2EZY.	N4QEN KB4C		125-50-10-A 150-35- 2-B	WG5J K5AR (KRØY,o	102,816- 75	8-68-15-B	NC6U	44,640- 310-7	72-11- B
C2YJ 8,800	F 77-62-12-A F 100-44-4-B	W2AV,WA2s BY WB2QCJ)	(P,DHS,ZKD,ZO 81,000 540 7	N,	Northern Flor				96,508 68	1-73- 8-B	Kehrt Wasgfr	37,696- 304-6 20,164- 174-5	
(B2EKN 1,292 VB2HIH 720		K2IQ (WATLLC	KA2# CFH.MTE	S,OZV,	N4EEB		527- 74- 24- B	N5RM KF6VU	67,180- 480 64,998- 471		W6CPB N6NKN	9,200- 92-5	50- 9-B
(5NA (+KU2Q,WB2Q)		WA2AZA,WB2	PYU,ops) 58,520-418-7	n. 24. A	K4XS W4ZTW	198,468-13	341-74-24- A 377-68-14- A	W5ONL	58,898- 409	72-20-A	N6IGI	9,030- 105-4 3,432- 52-3	13-3-A
182,700- (Y2J (+KA2TIP)	- 1218- 75- 24- B	WA2ZXS (+KA	2e ML,RQFI,N34	ου, ``	KKARV	19,760-1	152-65-21-A	W5LMQ K5WXX	58,100- 418 54,954- 387		KFGOG (+WA6	Se CWM,T)	
	- 1113-75-24- B	WD6CQV,WB	/ULP) 21,472- 178-6	11-16-A	WC4E (+ KA4		318-72- 6-A	W5LKP N5IET	51,504- 348	3-74-18-B	NODBF (+KB65	169,500-1130-7 SI,N6PSU,WA6P	PMX,
IYC-Long Island		3			South Carolin		310-72- U-A	N5DTO	44,460- 342 41,060- 316	3-65-18-A	WD6GSH) WASYNT (K6HR	41,844- 317-6 ITJKB66 TBY.LLIC	36-22-B C.KIRWD
(A2AEV 123,580 (K2E 110,334	- 835-74-22-B - 777-71-19-8				KREJ		900-74-20-A	W5MW W5FO	40,800- 300 40,084- 313	)-68-23-B	N6e OUG,MUL	"QHR,WB8OWD	O <sub>r</sub> opa)
ID2TT 88,768	608-73-16-B	Delaware ACST (KASB.op			K4ADI	78,292- 5	529-74-20-B	NSUD	31,220 223	3-70-10-A		21,798- 173-6	XF 20- B
	- 435-73-15-B - 456-69-17-A	· · · · ·	92,272- 632-7	3-22-8	AB4CL KJ4KB	13,500- 1	171-59-12-A 135-50- 9-A	KO5XH NN5T	28,098- 223 24,400- 200		Pacific KHBRS (KBGSS	*	
2YGM 50,126-	- 353-71-12-B	nadlm Kawuw	71,424 496-7 61,200-425-7		WD4PLF		99-46-6-B	KSEQ KSMR (+ NRSK	10,152-100		•	162,060- 1095- 7	/4-21-B
12EGO 22,196- VB2GEU 18,648-	- 179-62-16-A - 148-63-6-A	K3HBP	26,496 207-6	4-10-A	Southern Flor				y 202,500-1350	1-75-24-B	AH6FL N7IBB/KH6 (T)	42,024 309 6	¥8-8-B
2FIYI 14,840-	· 140-53-10-A	NSFQB KC3AM (+ KA3)	26,332- 227-5 BOP1	8- 20- A	K1ZX/4 N4BP		174-75-24-13 193-72- 9-13	KN8M/5 (+ N5F	RZ) 180,900-1206			1,780- 44-20	
A2NWO 10,706-	- 146-48- 7-A - 101-53- 4-A		30,888- 234-6	6-13-B	N4TL	25,920- 2	216-60-8-B	KW5P (+ KB5E	H,NSLAU)		NH6GJ WH6BKQ	234- 13- 1 24- 4- 1	\$ 3 A 3 4 A
2HVN 10,658- VA2YEI 8,484-	- 73-73-10-A - 101-42- 8-B	Eastern Pennsy	/Ivania		WA2MZE K4VFY (N4EV	24,192-1 S.coi	189-64-12-A		83,850- 559	75-24-A	Sante Berbara	, ,	
I2RQ 4,830-	69-35-4 A		183,150-1221-7: 63,072- 438-7:		WA4VQD	22,420-1	90-59-14-Q	Oldahoma			W6TKF :	106,872- 732-73	3-15-B
V2DX 4,416- V2TNI 560-		K3TX	61,180- 437-70	}-24-B	WK4F		82-61-16-A 70-67-12-B	WM4Z KM5H	139,564- 943 137,400- 916	F74-24-A F75-22-A		88,876 587-7- 74,592- 518-71	
12FIG 24-			44,472- 327-61 42,240- 320-64		Tennessee			NEJKN AA5CO	41,860- 322 28,670- 235	- 65- 20- A	WA8FGV	73,872- 513-72	2-19-A
orthern New Jersey		WA3LFY	41,454 329-63	3-11-B	N4ZZ		38-75-24-B	WD5COS	26,880- 210		KD8LD W6HYK	28,080- 216-69 7,128- 81-44	
	979-75-24-B - 781-70-13-B	KB3JK K3WW	32,896- 257-64 30,150- 225-67	I-13-B 7-15-O	K3CQ AA4DO		150-75-24- B 197-70-15- A	K5CM (+ N5s (	XG,KW) 284,300- 1762	75.94. D	KG6QX	2,444 47-26	8- 5- A
BDI 107,892	729-74-24-B	KA3QND	28,424 209 66	}-13-A	KK4FB	18,762- 1	59-59-11-A		207,000-1702	73-24 0	AA4Q/6 KABL (+KD8QX	18- 3- 5 (WAGVNO)	3- 1-Q
T2D 26,840-	220-61-15-A 192-58- 3-B	KC3AD		- 6- A	WA4MCZ K4XO		07-49- 7-A 50-29- 3-A	South Texas WS4Q	256,200-1708	75-24-R	·	85,120-608-70	0-24-B
/B2HJW 18,000-	150-80- 7-B	WB3KXM KQ3V	6,868 101-34		N4TG (+ KI4U	Z,N41R)		NR5M	254,550-1697	75-24-8	Santa Clara Val		
	100-75-24-B 105-71-18-B	W2UP	5,244 69 36	⊦ 2·Q	Minetota	100,024-13	38-74-24-B	K5DX	180,450-1203 151,108-1021	- 74- 20- B	N6BT (WA6VEF,	( <sub>-</sub> op) 23 <b>9,400-</b> 1596- 75	E 24 P
/A2CWX 12,600-	126-50- B-A	W3GBG WB3EPW		- 7-Q - 4-Q	Virginia W4MYA	170 142 44	27-73-24-B	KC5CP	133,050-887	75-22 B	KIBCG 1	172,500-1150-75	5-24-B
2EW 9,374-	110-44- 6-Q 109-43- 9-A	KW3T	3,480- 60-29	- 7-A	AA4UJ	79,278- 5	43-73-18-8	WATYEJ	126,918- 883 122,494- 839	73 22 8	KJ6V	80,352 568 72 72,854 499 73	2-23-B
2GZJ 9,282- /2HN 8,978-	119-39-15-A	K3EBZ KA3PKN		- 3 A - 4 A	W3YY W4YE	65,138- 4	72-69-24-8 50-72-11-A		111,750- 745 69,790- 615	-75-14-B	KG6AQ	55,442- 409-69	9-17-B
D2AHD 4,704	58-42- 5- A	KY3T	2,000- 40-25	- 3-B	KB4RME	43,746- 3	17-69-22-A	WV5K	60,080- 429	-70 15 B	NENF	33,672- 244-69 29,200- 200-73	3-20-B
	60-31-10-A	Kaslof Aggg		1 2 A 1 3 A	W4TMN WA3RGH	41,874- 3 39,296- 3	11-67-20-A 07-64- 9-A	WU5Z WA5IYX	54,649- 396 51,338- 372	-69-23-A	N6ZB	17,490- 165-53	3- 7-A
WA2NXW.ops)	THE CONTRACTOR	Maryland-DC		•	K4OD	30,096- 2	28-66-10-B	W5LXG	44,354 331	-67- 9-A	W6/GU	12,128- 129-47 4,050- 45-45	
	525-69-24-A	W3LPL (K3ZZ,or	<b>)</b> }		K3ZJ WB4LNT		42-60- 6- A 30-62-16- A	W5NR W5UFA	27,060- 205- 10,908- 101-		KABING	1.216 38-16	8-2-B
	18J,KA26 PFM, - 449-69-21-B		16,900-1446-75	- 24- B			14:11	N5ZR	3,410- 55-		NETU (KEXO,KAI	8LAF,SMØDRD,0 80,200-1068-75	ops) 5-24-B

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San Diego	qui copyrigi	Washington	KANT KAND	91,612-619-74-18-B	Indiana	NVpP 113,032- 798-71-2 ACWW 111,982- 767-73-2
KBNA (NETR,o)	p) 286,050-1907-75-24-6	W7WA 304,050-2027-75-24-8 N7TT 229,350-1529-75-24-8	WBUPH	90,082- 617-73-17-B 75,402- 531-71-24- A	N9QX 128,780- 858-75-24- B W9RE 125,080- 845-74-11- B	Kef73 103,600-730-74-2 WeYC (NECB,op)
NEND	125,450- 843-75-10- B 108,150- 701-75-22- A	K7IDX 199,050-1327-75-24-13 K7LXC 160,432-1084-74-24- A	KBND NC8V	73,438- 503-73-11-A 49,096- 361-68- 8-B	KB9C 109,964 743-74-22-B AJ9C 104,390- 715-73-15-B	93,456- 649-72-2
WBUQF KI6ZH	47,570- 335-71-23-A	W78UN 153,772-1039-74-15-B	WDSAJF KJBI	48,860- 349-70-14-A 46,340- 331-70-13-B	W9JOO 81,000- 540-75-24- A N9ACD 23,668- 194-61- 8- A	WASRBW 78,110- 835-73-1 KB8ZQ 71,632- 484-74-1
KB6PJU W6JXA	31,464 414 38 11 Q 25,048 202 62 9 A	K7LXC 124,912- 844-74-24- A N7IFA 124,392- 852-73-17- B	NYSL WASKIW	45,804- 347-66- 7- B 42,432- 312-68-18- A	N9AOJ 22,780- 170-67-16- A	WAGMHJ 68,722- 457-73-1 9/8UC 62,100- 414-75-1
Wasufy Kjsau	24,898- 211-59-10-B 6,318- 81-39-11-A	W7HX 81,760- 584-70-10- B N7GGJ 37,448- 302-62-20- A	W8FN	40,500- 375-54- 7- B 40,040- 308-65-24- A	WB9NQQ 20,280- 169-60-10- A	NBCIB 59,616- 432-69- WBBYUC 51,976- 358-73-
San Francisco		WB7CLU 30,562- 228-67-19- B KY7K 27,060- 205-66-18- A	W8SJU KASETK	34,452- 261-66-10- A	KB9LQ 9,592- 109-44- 7- B N4DBJ 5,830- 55-53- 8-A	KMBO 51,136- 376-68- WB6ZUR 45,552- 319-73-1
W68IP	116,250- 775-75-19-B	KR7G 24,428- 197-62- 7- B KE7ZG 20,648- 178-58-20- A	NF8G K8NZ	32,760- 234-70-19-A 31,560- 263-60- 5-A	N9EVR 5,664- 59-48- 4-A K9FN 3,528- 49-36- 9-B	W@YHE 43,680- 312-70-2
K6LRN WASLLY	58,608- 407-72-24- B 48,280- 340-71-14- A	NS7O 20,640- 172-60-10- A	NW4G NQ8Y	29,948- 217-89-11-B 27,302- 187-73-22-Q	KM9D 2,855- 51-28- 2-B WB9WDW 2,820- 47-30- 5-A	KABVVF 42,340- 290-79-1 KD8QJ 28,416- 222-64-
WB2CHO KASJLT	27,528- 222-62-11- A 15,500- 155-50-10- A	KT7G 20,212- 163-62- 3- A K7HBN 19,942- 169-59- 6-CI	N8EIH WARHY	26,962- 221-81-14-Q 24,822- 197-83-24-A	N9NC 2,000- 40-25- 2-B	Watty 9,800-70-70- K3WT 9,360-104-45-
San Joaquin \	/alley	W7QN 17,980- 155-58-14- A K7XX 16,704- 174-48- 5- B	NASZ	24,700- 190-65- 8- B 23,760- 198-60-12- A	K9RS (+ NA9D) 229,800-1532-75-24- B	KMMPH 7,998- 93-43- KMVW 3,988- 51-33-
WO8H	241,200-1808-75-24-8 44,220-335-66-9-A	WA7QCC 18,500- 150-55- 6- A W7BQG 15,120- 140-54-16- A	KABNDC NBFSP	22,528- 178-64-13-A	W9REG (WD4CJS,K9s LYA,YBM,KA9s HGNJHB,NOH,RLZ,KC9LJ,N9s DKJ,GKE,	Wangs 2,940- 49-30-
N6PR KG6OB	25,134 213 59 15 A	N7JB 14,910- 105-71-15-A	NBGWJ W8NHO	22,176- 168-66-20-Q 20,416- 176-58-17- B	GWM,ops) 63,888- 484-66-24- B N9FVS (+ WD4ARN)	KABZPP 358 31-14-
wasyab Kispg	6,534 99-33-6-A 6,156-81-38-11-A	N4SL 9,800- 70-70-16-A	AIBO XVDBDVX	19,500- 150-65-13-A 19,008- 144-66-13-A	6,004- 79-38- 6-A	NØAT (+ ABOP) 193,438-1307-74-1
WB6ITM N6ODO	1,656- 36-23- 2-Q 1,258- 37-17- 4-A	W7LKG 9,292- 101-45- 4- B KD7LJ 8,568- 102-42- 8- A	WSIDM NSDDL	17,360- 155-56- 9-Q 17,112- 124-69-13- A	Wisconsin W9XT 185,400-1238-75-24- B	WBBHCH (+ops) 181,448-1226-74-1
WW60 (+KB6	NIZ,N6KEP) 95,904-666-72-21-B	NB7N (+ NN7L) 129,056- 872-74-23- B	NS8G WA8KFB	15,576- 132-59- 7- A 15,222- 129-59- 6- A	K9OSH 157,350-1049-75-24- B	KOLTO (KADE GAP, TML, ZSU, KKOO, NOGKO, NADU, WOOS FEN, SNP,
NSPKG (+NS		Wyoming	KESE	14,976- 144-52-17-A	WA1UJU 110,334- 777-71-24- A K9KR 88,080- 595-74-19- B	WD8BQR,ops) 70,432- 498-71-1
	AU,KA6GSK,KB6SBH,	K7MM 154,808-1046-74-24- A WD71, 62,790-455-69-23- B	KK8\$ WD8AIL	14,820 114 85 14 B 14,258 132-54 10 A	K1TMM 74,880- 520-72-17- A NG9L 64,528- 436-74-15- A	Missouri
WARPIC,WB7	45,158- 318-71-24-A	KA7GKI 27,938- 229-61-24-Q	KDSUC WASRCN	13,428- 137-49-17-A 11,960- 115-52- 6-A	NISC 55,480- 380-73-17- A WB9HRO 53,560- 412-65-11- B	K4VX (NUSR,op)
Sacramento V	/alley	KB7M 19,320- 161-60-21-Q WE7S 19,030- 173-55-11- B	K8MR W8IMF	11,340- 135-42- 3- B 10,908- 101-54- 9- B	W9NA 52,882- 371-71-10- A	248,850-1659-75- KOLIR 151,500-1010-75-
W6GO KV6H	274,350-1829-75-24-B 187,200-1248-75-24-B	WB71 2,752- 43-32- 7- A	WASIMF KOSUN	10,184- 134-38-10- A 7,820- 85-46-17- B	KB9S 38,544 292-66-13-Q	NRCOH 125,850- 839-75- KRDEQ 82,658- 574-72-
AI6V NB6G	175,200-1168-75-18-B 169,350-1129-75-24-B	<b>₿</b>	N2FRW	4,968- 69-36-24-A	NA9M 23,200- 200- 58- 9- A KB9DZ 22,272- 192- 58- 14- A	NOBGL 39,690- 315-63-
KF6A	162,800-1100-74-21- B	Michigan	K8CKY W8VZE	3,410- 55-31- 5- A 2,668- 46-29- 3- A	KESFT 15,288- 147-52-12-A WB9BWP 14,586- 143-51-10-A	K9OCU 18,762- 159-59-
K66G N6IG	152,278-1043-73-24- B 93,732- 642-73-14- A	NEBO 75,312- 523-72-21- A KW8G 66,450- 443-75-19- A	NSINT WBSYEW	2,622- 69-19-17-A 2,200- 60-22- 4-A	WB9ZIO 12,154-103-59-12-8 KE5PX 10,296-117-44-13-Q	WBNKO 11,232- 108-52- WDBBN 10,719- 103-52-
N6JV KI6PL	62,604 423-74-18-A 61,750-475-65-15-B	KBSB 59,084- 428-69-16- A KBGVK 55,890- 405-69-17- A	KASVPL KASTKO	1,440 48 15 5 A 1,080 36 15 3 A	W9FPA 9,984- 104-48- 7- A	KABGRO 8,200-100-41- KADP 1,040-26-20-
KIGPO NBJM	40,960- 320-64-20- A 10,400- 100-52- 9- A	KESKG 50,592- 372-68-18- A KBGSR 49,818- 361-69-21- B	KARZEP WD8KTM	884 34-13- 3- A 420- 21-10- 1- B	W9VTL 2,862- 51-26-11- A	KRBANL 978- 24-12-
7	191700 104 94 9	N8HIB 48,784 334-73-19-A KABGOM 47,328-348-88-24-A	Neins	280- 20-7-12-A	KA9JCP 108- 9- 6-3-A WA9TZE 72- 6-6-1-A	ADMINE AND
_		K8SAK 46,364-346-67-19-A		270- 15- 9- 2- A KBAQM,KN8R,N8INX,NISL,	KA9KFU 2- 1- 1- 1- A W&AIH/9 (K0FVF,N0BSH,ops)	WEGEV (KA2MAP,KA8HML,KA8H
Alaska AL7CQ	168,352-1124-74-24-B	NS8F 42,024 309 68 23 A WB8MDG 41,952 364 69 18 A	NU8Z,W8K	2) 245,100-1634-75-24-B	197,850-1319-75-24-8 W9YT (KA98 VOK,WZV,NA9W,WF9V.	KABWCH,NBIAT,ops) 18,728- 204-41-
NL7HT NL7DU	21,924 189 58 15 A 2,552 44 29 6 Q	NBGRY 39,334- 277-71-24- A KBCV 38,352- 282-68-20- A	KB8IZ (+KC	8PQ,N8DPD) 181,200-1208-75-24-B	NØFLZ,ops) (40,100- 934-75-23- B	North Dakota
Arizona	2,222	WD8KZX 38,324-286-67-22-A K8KUH 32,400-270-60-18-8	WB8SMC (N	8HBI,WB8s MRU,CVC,ops) 146,668- 991-74-40-B		WB8O 2/9,000 1880 /9-
K6LL	297,184-2008-74-24-B	W8JRK 29,312- 229-64- 9- A WA8YPY 28,320- 240-59- 22- A		CBBAHJ, NBHOB, WBBs PIY,	Ð	Nebraska KV8I 171,828-1181-74-
K7NO KC7V	202,650-1351-75-23-8 184,950-1233-75-21-B	NU8F 27,580- 197-70-24- B	ZYD) W8EDU (KL	55,572- 421-66-13- B 7JCQ,N8GAW,ops)	Colorado K <del>ORF</del> (WBUA,op)	KØSCM 170,528-1168-73-
W7ZMD W87CFL	35,230- 271-65-11-A 30,016- 224-67- 7-B	NZ8G 25,480- 196-65-15- A W8VWY 24,704- 193-64-10- A		11,628- 153-38- B-B	268,950-1793-75-24-B	
K7ZKU KY7M	11,486-117-49-16-A 7,224-84-43-2-A	KA8WBQ 22,712- 167-68-24- A W8EQI 22,568- 182-62- 9- A	West Virgin KCBJH	102,666- 723-71-17-A	K4XU 201,750-1345-75-24-A WBCP 195,600-1304-75-24-A	
N7CPL	672- 21-16- 2- A 's ERG,JRZ,KDØH,NØADI)	KA8ZUO 21,840- 194-55-20- A WB8GUS 20,880- 180-58-28- A	KB8FJ W8VEN	37,812- 274-69- 7- A 36,856- 271-68-20- B	WAUR (KOEU.op) 188,700-1258-75-24- A	K11.1 160,650-1071-75- W/B888W.1 117,450-783-75-
MSONDA (TIM	74,752- 512-73-23- A	KA8IZE 20,740- 170-81-15- A NS8V 20,608- 184-56-13- A	WD8QNO	11,880- 110-54- 6- B 11,808- 123-48-10- A	WBPSY 150,368-1016-74-24-B KBGAS 148,148-1001-74-21-B	KRI ZT 4.148- 61-34-
idaho		WARFRD 18,040- 184-55-13- A	Kogs (+ Kar Minn	DE,W36 DCI,PYZ,WA3QGA)	KØFRP 122,494 839-73-19-A WØLSO 112,500-750-75-24-Q	204 DEA 130.75
KK7A N7HJM	149,212-1022-73-24- A 120,842- 851-71-19- A	K8SIA 17,280- 144-60- 5- A		112,184- 758-74-24-B	K83El 98,640- 685-72-24- A ADSO 95,100- 634-75-19- A	VE
W7UQ (KF7C <del>Cps</del> )	N,N7JPZ,WE7X,KA7ZWO, 93,832-634-74-22-A	KEBX 17,160- 156-55- 5- A	9		W1XE 85,626- 803-71-12-B W8KEA 81,000- 540-75-24-0	Maritime-NFLD
Montana		NQ8T 16,536- 159-52-11- A WB8TOT 16,120- 155-52-12- A	IIInois AC9C	212,084-1433-74-24-B	ACMS 72,896 544 67- 8- B	
KS7T KE7X	177,600-1200-74-24-B 113,120-808-70-23-Q	WA8MJY 15,196- 137-58- 9- A W8SS 14,250- 125-57-12- A	K920	205,050-1387-75-24-8 138,450- 923-75-20-8	KEOPX 27,776- 224-62-20-A	Oushed
NV7Y	80.448 551-73-22-8	W8FEM 14,200- 100-71-12- A W8PPG 14,098- 133-53-12- A	K9HDE WABAVL	132,750- 885-75-24-B	K9MWM 24,862- 209-59- 5- B NgAJM 20,296- 172-59-17- B	VE2MS 51,612- 374-59-
KW7I N7ICC	30,954- 231-67-18-A 22,632- 184-69-20-A	KEBLE 11,988- 111-54-10- A KBDD 11,960- 130-46-24-Q	KS9O AG9E	129,500- 875-74-19-B 91,152- 633-72-22- A	NYØR 17,280- 160-54- 8- A KA1MPF/Ø 14,700- 150-49- 13- A	ESP,GOP,HAX,MPD,TD,ops)
KA7MMY W7LR	20,768- 176-59-11-A 10,384- 116-44- 3-A	K3UWO 11,760- 120-49-13- A	N9AEJ KR9K	63,948- 458-73-10-8 61,632- 428-72-21-8	KØDTK 11,180- 124-45- 5- A NØFFZ 10,300- 103-50-16- A	41,180- 294-70-
Nevada		KABGIA 11,544- 111-52-12- A WB8AFO 11,430- 127-45-10- A	K9LUW WA9DRE	59,422- 407-73-20- A 54,316- 367-74-17- B	WBØZ 4,526- 73-31- 6- B	VIII.
ND7M WBØWNH	102,900- 686-75-17- A 32,480- 290-56-24- A	WASOJR 10,528- 112-47- 9- A KABWAX 8,666- 101-43- 7- A	Walno Kaha	48,720- 348-70-10- A 41,400- 300-69-18- A	NY6Q 2,744 49-28-5-A	
WB7VVH	14,560- 140-52-13- B	WB8ITB 8,514 99-43- 3- A KEBGC 8,372- 91-46-12- A	N9FIV	39,468- 286-69-16-A	KØUK (+ KØCL) 281,550-1877-75-24- B	VE3FVW 6,696- 93-36
WA7NIN (+\	NBOAT) 249,232-1684-74-23- B	W8VPC 7,000- 100-35- 4- A WB8IFD 5,320- 95-28- 8- A	M3AV N13C	39,260- 302-85-14-O 36,960- 280-66- 5-B	KELMD (+KABQFF) 31,620- 255-62-12-A	VE3GSA 8,840- 78-40
Oregon		WB8JYX 4,560- 76-30- 2- A	WB9GKA	33,604 271-62-17-8 28,416- 222-64-19-A	towa	VE3GAS (+ VE3QB) 198,776-1252-74
K7KJM W7YAQ	162,504-1098-74-24-A 149,400998-75-24-A	NSECL 1,960- 49-20- 5- A	W9RW WD9GIG	25,870- 199-65-10-B 21,924- 174-63-11-B	NØGA 175,200-1168-75-22-F WBEJ 124,200-828-75-24-A	3 Hankaha
K7SS Al7W	103,200- 688-75-24-Q 61,880- 442-70-22-A	KA8KGW 1,536- 48-16- 6- A KA8SQL 1,386- 33-21- 5- A	K9UIY KC9UM	18,090- 201-45- 5- A 16,060- 146-55- 6- B	KOBGM 63,344- 428-74-16- A	VE4AKN 10,800-105-50
N7GPO	28,710- 261-55- 9- A 27,470- 205-67-13- B	KABSQS 1,254 33-19- 5- A WDBKZO 810- 27-15- 2- A	KESCE	15,840- 165-48- 9- A	KDORT 55,296 384-72-16-4 WADVBW 44,206 307-72-18-0	176,700-1178-75
K/GDN N/DG	24,420- 165-74-18-B	W8TJQ 504- 18-14- 1- A W8ROS 288- 12-12- 1- A	KD9Q N9JF	14,884- 141-52- 5- B 13,840- 124-55- 5- A	W9PPF 39,744 288 69-21-8 KF6Z 24,428- 197-62-11-4	VE4GV (+ VE4s AIM,AMC) 106,200- 708-75
KA7OAI W7GUR	19,936- 178-56-11- A 11,424- 112-51- 6- A	KA8KGV 252- 14- 9- 1- A	N9ALC WRREC	12,980- 110-59- 7- A 12,990- 105-59-18- A	ADM 22,932- 182-63- 8-8 KØEVC 10,620- 118-45-14- A	3 0
Kekm Ka7fef	9,212- 98-47-24-B 7,360- 92-40-11-A	KA8ZUT 50- 5- 5- 1- A	Kasfug Kmsl	11,500- 115-50- 8-A 10,400- 100-52- 7-A	KAROOP 10,028-109-46-15-7 KBRATA 1,440-45-16-4-7	VESGHC 39,996-303-66
WB7EMO W7PXL (K7I	3,904 B1-32-4-A	NY8H 50- 5- 5- 1- A KB8BOU 24- 6- 2- 9- A	NASI KESBL	9,844- 107-46-24-A 8,554- 91-47- 8-A	KÆJGH (+KÆJGI,NØILI)	VESTO 8,279-88-47
WB9HZT/7	2,970- 55-27- 2- A 1,472- 32-23- 4- A	KSCC (+ KEBOC,KNSS,WBWD,WD6RHO) 214,500-1430-75-24-8	W9TM NBHWK	7,676- 101-38- 3- A 7,058- 98-38-16- A	93,148- 638-73-24-7 KEØBX (+KAØYZH,KBØs	158,850- 1059- 75
	B,N7AKO,W7ZR)	N8CXX (+ K&JM,N8BTU,NE8T) 205,050-1367-75-24- B	K9EIJ	5,494- 67-41- 7-O	ASM,AQD,NØUP) 75,900- 550-89-24-8	VE5RC (+ ops) 3 27,520- 215-84
NK7U (+NI	276,150-1841-75-24-B	K8MJZ (+ AI8D) 204,150-1361-75-23- B	K9FFC N9GMM	4,368- 56-39- 7- A 2,598- 71-19- 7- A	N2BTJ (+ KA3AWI, KA9QYK, N6HKH, VYABJYF) 69,224-509-68-22-1	S Simplifie
	212,250-1415-75-24-6	KYBI (+NY7F,KBCQF,NABG)	KASVPH (N		Kansas	VERATT 90,948-689-66 VERDZ 21,000-175-60
Utah KS1G	237,450-1583-75-24-B	57,600- 400-72-19- B KB8CHA (+KB8APA)	KE9DT	1,176- 42-14- 2-A 952- 28-17- 4-A	NZ6T 85,994 589-73-22-7	A VESRI 17,360-155-54
W7CFL	211,800-1412-75-24-B 110,902-781-71-16-B	1,496- 44-17- 7-A KABZUP (+KEBGC)	W9KVF KE9DE	928- 29-16- 2-Q 480- 20-12- 1-A	WB0YJT 50,260- 359-70-20-7 KeVBU 50,024- 338-74-11-7	A British Columbia
KE7KF KE7QA	61,240- 366-70-23-A	900- 30-15- 5- ▲		A9TNZ,NJ9Q)	NEBC 48,248- 326-74-22-1 NBS 29,108- 231-63- 9-1	B VE7ARQ 25,884 286-4
W7GXC WB7ONP	27,548- 194-71-12-A 17,930- 163-55-19-A	Ohio	KASVAB (	148,500- 990-75-24-B KA94 VPH,ZKO,KD9KU.	NOBY (+WABTKJ) 202,500-1350-75-24-1	VE7EK\$ 42- 7-
KF7CD WA7TUX	14,840- 140-53-22- A 14,580- 130-56-18-Q	WB8JBM (N8DCJ,op) 180,300-1202-75-24- B	KESDE,N	DE,N9FRT,NM9J,NO9D,	WOCEM (+ ABOS,KØWA,NWØW) 196,840-1330-74-24-1	Checklogs
W7HS	8,448- 96-44- 7- B E7s RU,ST,N7s JIH,JSZ,	WB8JKR 125,100-834-75-19-B N8LL 120,768-816-74-21-B		78,588- 531-74-24- B HTA,KA9JPT,N9s CRG,GBU,	190,840-1330-74-24-1 Minnesota	WZKTF, NF3X, KSLZO, WSBU, W
WE7s B,D		N8ATR 112,950- 753- 75- 23- B K8BL 104,390- 715- 73- 21- A	NT9C,ops		KOIJL 147,168-1022-72-19-	NRSJ, KOON, W4LBQ/9, VE1ACH
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