June VHF QSO Party, 1985-Style

By Michael B. Kaczynski, W1OD,* and Billy Lunt,** KR1R

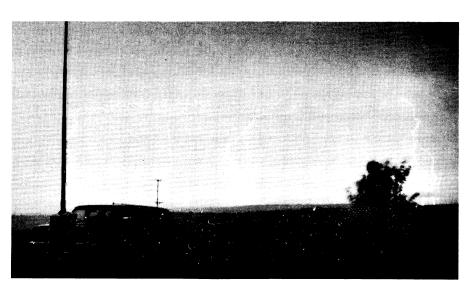
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M other Nature may not reside in Atlantic City, but it's June 8, 1985—June VHF QSO Party time—and the propagation winners are about to be announced. The E-skip envelope, please. No, Bert, we're doing the locations for best supporting tropo first. And the winners are—Seymour, Indiana; Minden, Louisiana; Oklahoma City, Oklahoma; and Muldraugh, Kentucky. Muldraugh what? There must be some mistake. No mistake, Mr. and Mrs. Mid-America. In the June VHF Contest, the gods found favor with your VHF efforts.

Just ask KC4KK/9: "The contest started out fantastic. Six was wide open. Later, 2 meters popped open and, remarkably, 10 W gave us Georgia, Arkansas and Oklahoma for our best DX yet." And WB4NXY in EM77, Kentucky: "Super conditions. I couldn't believe it when I heard WB5LUA and W5GG in South Texas on 1296." "This weekend would rival any low-band excitement that I've had over the last 28 years. I stayed up the entire contest period, since conditions were so fantastic, working grid squares on 432 that I would have thought impossible. We may never see the likes of it again."-K5YY, EM35, Arkansas. "Beautiful duct to the southwest. We copied WBØSIL with strong signals on a rubber duck. We left the operating site filled with exhilaration."-K8COA, EN90, Ohio. "Wow, what a tropo opening! Best in five years."-W5NZS, EM15, Oklahoma.

Six-meter E-skip kept folks hopping on Saturday: "Six meters to the northeast was 40 over S9 all day."-W1WLE/4, EL97, Florida. And if that wasn't enough, the northern tier found the buzz-saw mode much to their liking, such as WA7VHW, DM07, in Washington state: "What luck! We had an aurora during the last several hours of the contest. I've never heard so much activity. Two meters sounded like 20." It was a propagation bonanza: "Simply the most exciting two days of VHF/UHF operating ever experienced. Aurora, 1000-mile tropo ducting, meteor scatter and 6-meter E-skip. Many stations worked were well over S9 on both 2 meters and 70 cm at the peak of the tropo opening." WA3TTS, EN90, Western Pennsylvania.

Conditions were not the only highlight, as this first use of grid-square multipliers in the June contest proved overwhelmingly popular. WB6KLL noted: "It makes the contest more fun. With openings, like we had on six at the beginning of the contest, DM05 became like BY1 on 20 meters. I felt like a DX station." Gridpeditions abounded in order to pass out those elusive multipliers, such as WØKEA in DM69 at 10,000 feet near Gypsum, Colorado; and WBØSIL/Ø, multiop station in EM46, who didn't even work their own grid square. While



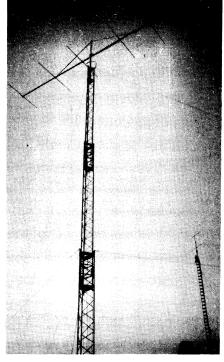
Sunday evening was "electric" at AA9D.

Top Ten		
Single Operator	Multioperato	or
AA2Z 172,830 W8ULC 138,180 W42FGK 104,228 W9IP/2 101,985 K0TLM 93,955 K02PX 92,340 K2CBA 90,138 KB3QM 89,355 K2BJ 83,693 K2EK 80,652	W1VD 587 K3MTK 528 W2SZ/1 507 K3YTL 501 W8VP 357 N4DT 316 WD8ISK 300 W9UD 297 AB4L 291 K1TR 290	462 ,187 ,320 ,445 ,820 ,510 ,920 ,460

WØETT/7, DN61, who "enjoyed my gridpedition to a rare one in southeast Wyoming," and who "would encourage others to journey to rare squares."

The scores tell the rest of the story, with the June contest traditionally featuring the exploits of the big multiops. A surprise at the top of the leader board, however, as the "W1 Victor David" crew copped top honors at 587k—with W1VD, WA1STO, K1JX and KA1GD at the controls. The "Mountaintop Kilowatt," K3MTK, took over the second spot with 528k, while perennial champ W2SZ/1 slipped to third, pursued closely by the "Yellow Traffic Light," K3YTL.

Top single-op laurels again go to AA2Z at WA2OMY's station (172k), while W8ULC rode the crest of the fantastic midwest conditions to a strong second-place position at 138k. Also



Saturday sunset in Virginia as seen from AB4L.

End of the World DXpedition

Ah, the mighty Mississippi, gateway to a continent and home to paddlewheel steamboats and riverboat gamblers. One group of "riverboat gamblers" was heading downriver in search of adventure, ham radio style—a DXpedition!

A DXpedition usually takes place on a rock that appears at low tide, on a distant Pacific isle or some equally remote place. This was not the "usual" DXpedition, however. Instead, this was actually a "grid-pedition" to put grid square EL58 on the air. Echo-Lima 58, the last bit of the last part of Louisiana at the Southwest Pass of the Mississippi, where you can still walk on land before.

Echo-Lima 58, the last bit of the last part of Louisiana at the Southwest Pass of the Mississippi, where you can still walk on land before you're treading Guif of Mexico. This is why we called this excursion the "End of the World" DXpedition. We, a group of New Orleans-area hams and non-hams, loaded ourselves into three boats with enough food and gear to survive in the wilderness for a month (even though the plans were to stay only the weekend of the ARRL VHF QSO Party). The amateurs included WA5WJZ, N5BLW, K5AQY and son Russell (awalting his call), WB5LLI, KA5WJE and WB5NHX.

The trip began early on the morning of June 8, 1985 but planning began months before, when WD5BJT of the Greater New Orleans Amateur Radio Club discovered something very interesting about the remote grid square: a perfect structure for VHF and UHF antennas—an abandoned lighthouse on an island near the mouth.

The lighthouse, although built in 1871, appeared, in recent photographs, to be in fairly good shape. A trip to the island two weeks before the VHF QSO Party confirmed this. The structure still towered almost 130 feet above the flat land of the Mississippi delta.

On Saturday morning, June 8, the crew started on the first leg of the journey by driving to Venice, Louisiana, some 50 miles south of New Orleans. Venice is the farthest place south along the Mississippi that is accessible with wheels—after that, you had better have a boat. After filing a float plan with the Coast Guard, the boats were loaded and launched, and the grid-peditioners were underway for a 25-mile joyride down the Mississippi to EL58-land.

The crew immediately became aware that one of the boats was somewhat underpowered for the load it was carrying. It was decided that the two faster boats would go ahead to the island and begin setting up camp, while the slower boat would follow.

Being aboard one of the faster vessels seemed like an advantage until they sped right into a thunderstorm. "You haven't seen the Mississippi until you've seen it from a 16-foot flatboat in a driving thunderstorm," said GNOARC president WA5WJZ.

Ultimately, the island and lighthouse were located. Because the water at the banks was so shallow, the boats had to be anchored several yards out, and the gang slogged ashore through the mud with gear and provisions.

While part of the DXpedition team set up camp at the lighthouse base, another group climbed the rusting, yet fairly solid, spiral staircase to the lighthouse top to set up the station.

By 2 P.M., W5UK was on the air, but with a severe problem: A 435-MHz radio navigation beacon had been installed at the lighthouse by an oil exploration seismic crew, and its rhythmic pulses were wiping out 70 cm, 2 meters and even causing problems on 61 All this way, all of the planning, all of the sweat and now no radio operation?

It became clear that UHF operation would be out of the question for the duration of our stay in EL58, but by rerouting our antenna cables, we were able to put 2 meters and 6 meters on. EL58 was on the air!

Two meters proved disappointing, with few signals heard and most of them from the New Orleans area, but six was sizzling! To the surprise of the W5UK bunch, people were looking for grid square EL58: "Where have you guys been? I've been looking for you," said one 50-MHz operator. Back in New Orleans, W5TVW had been putting the word out. He had been in on the early planning of the DXpedition, had

lent the group some additional equipment and had helped further by telling everyone he could on 6 meters that we would be on from that magic grid square.

The little 10-W signal and the 3-element Yagi lashed to the lighthouse railing with tiewraps did not guarantee a potent signal, but the words "Echo-Lima Fifty-Eight" seemed to do the trick.

As WB5LLI and WA5WJZ handled the operating below, the rest of the crew settled down for a lunch break of rust-crunchy sandwiches (rust flakes continually fall from the iron lighthouse). As WA5WJZ tuned around, looking for new QSOs at the top of the lighthouse, the crew on the ground settled down for a well-deserved rest when cool, gusty winds came up, howling through the legs of the lighthouse, blowing the tents around. We scrambled to recover three umbrella-style pop tents and a cabin tent. The cabin tent, unlike the pop tents, was staked to the ground, but the aluminum poles could not take the pressure of the wind blowing through the front door.

It rapidly became clear that the cabin tent would have to come down before the wind did any damage, so we kicked out the poles and let the tent fall, turning our attention to the umbrella tents. After a bit of quick work, the tents were securely lashed down, and the ground crew began to think of other things.

At the top of the lighthouse, WA5WJZ was having an almost religious experience. Over his head the American flag, tied up earlier, stood straight out, as if someone had starched it. As the wind blew, the flag snapped and popped like rifle shots. As the operating table began heaving and vibrating, the logs began to fly, and he noticed that he, too, was moving toward the edge of the tower. Quickly stowing all the gear, he rapidly descended the long, narrow spiral staircase of the lighthouse. He reached the bottom, pale and shaken.

After the weather settled down, WA5WJZ returned to the top of the lighthouse, but discovered he could not stay without getting the "heeble-jeebles," so N5BLW took over as chief operator. Later, a raccoon was encountered inside the lighthouse!

After an uneventful meal, work began on a 75-meter dipole so that the HF station could be put on the air. Unfortunately, the generator, which was low on oil, decided to take a rest. Someone had left the oil cans along the river bank, a half-mile away. The tide had changed, and well, there was no oil.

A quick substitute for the missing oil was found—outboard motor oil from the boats. The generator was back on and running, but not everyone was interested in the successful conclusion to this problem.

With VHF conditions dead and not much interest being shown in the HF rig, the decision was made to shut down power for the night. A Coleman lantern was left on to keep the "critters" away and to aid anyone needing to take a walk during the night. Unfortunately, the lantern began resonating when it ran low on fuel about 4 A.M., and began emitting a low howl. No one was quite sure what was causing the off-and-on tooting that was echoing through the lighthouse, but no one was willing to investigate, either. Near daybreak, K5AQY ventured out and turned off the offending lantern.

After a rust-crunchy breakfast, W5UK was put back on the air, but conditions were poor on Sunday morning. EL58 was on the air, but the lonosphere and troposphere were not cooperating! We then decided to begin the task of breaking camp and returning the gear to the riverbank.

The trip upriver went more smoothly than the trip down. The slower boat was loaded with less equipment, so the EL58 crew made good time back to Venice, where the boats were unloaded and hoisted back onto their trailers.

For many who had made the trip, the next workweek seemed like a vacation in comparison to the weekend. Because of erratic band conditions, gusty winds and nasty QRM from the radiolocation beacon, we hadn't made nearly as many QSOs as we had wanted, but we had accomplished something: We had put EL58 on the airl

Above all, we had fun. And long after the EL58 QSLs have been sent out, we'll remember the fellows we overheard on 6 meters: "EL58? There's nothing down there but a lighthouse!" That's us-the End of the World DXpedition.-Terry Raymond, WB5NHX and Bob Dunn, WA5WJZ

topping the century mark were WA2FGK and W9IP.

The scores below list the rest of the winners, each and every entry in the June 1985 June VHF QSO Party—one many won't forget for a long time.—W1XX Thanks to Mark Burke, KA1MIS, who helped in the preparation of this report.

SOAPBOX Why, oh why did I wait 'til Sunday P.M. to put the 6-meter beam up? At least, I didn't miss the buzz (WA1HYN). If anyone thinks CW is not useful, they should try working an aurora without it (W1FXS)! Since I've sold my HF equipment, this is the only contest I can participate in. I enjoyed it. Maybe next time I can find a mountaintop for a few more points (WA1NLD). I wish more people had tried 432 MHz during the aurora. The band was almost dead except for the multiop stations (KIFO). Like grid squares!

82 Q5T≠

Division	Leaders
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Single Operato Call	r Score	Division	Multioperat Call	or Score	
VE3ASO	68,058	Canada	VE3ONT	172,437	
AA2Z	172,830	Atlantic	K3MTK	558,450	
KA8MRI/9	51,188	Central	K9HMB	206,496	
WØXG K5YY W8ULC	69,906 40,424 138,180	Dakota Delta Great Lakes	N4VC W8VP	98,468 357,445	
WA2FGK	104,228	Hudson	N2BOW	201,390	
KØTLM	93,955	Midwest	WBØDRL	130,298	
K1PXE	58,520	New England	W1VD	587,972	
WB8UUP	7425	Northwestern	K7AUO	21,065	
W6RXQ	25,875	Pacific	KE6NS	46,070	
N8FCJ	81,169	Roanoke	N4DT	316,820	
KAØMQA	23,268	Rocky Mountain	WØIA	16,524	
KC3CL	46,898	Southeastern	N4EJW	63,325	
W6CPL	7680	Southwestern	WA7JTM	33,220	
W5NZS	37,180	West Gulf	WB5KTC	15,168	

Top Single Band Scores

50 MHz		144 MHz		220 MHz		432 MHz		1296 MHz	
WØXG W3ZR W4OO VE3FGU KC3CL AA2Z W9IP/2 N4MM KB3QM NØLL *W1VD *K3YTL *VE3LNX	35,108 32,760 27,359 25,200 22,400 22,152 21,733 21,105 21,087 20,800 75,838 50,307 49,980	K2LWR K2TXB N4AR K2CBA W8ULC N8FCJ K5YY KC4EG W52QOQ W5SUS *W1VD *W8VP *W9UD/9	30,954 30,045 20,017 19,869 18,160 15,895 13,800 13,561 12,997 12,141 75,835 57,596 48,720	AA2Z N9HH N2BJ WA2TEO KC4EG K1PXE W2CRS W8ULC KB3QM WA3FYJ W9IP/2 *K3YTL *K3MTK	3588 3360 1870 1836 1836 1720 1680 1610 1292 1232 1080 13,860 10,530	K1FO W9OEH KC4EG NI8O K5YY WB4NXY K2EK W3IP WB5AFY AA2Z *K3MTK *W1NY *W1VD	15,386 11,092 7644 7452 6958 6708 4592 4440 4420 17,204 16,320 14,240	W3IY/4 WA2FGK N6CA K1PXE K6UQH W2CRS W1RIL WA1JOF WA1MBA WB1FKF *K3WTK *K3YTL *W2SZ/1	2320 1404 828 750 675 627 576 552 513 480 3960 3960 3964 2304
*				*W1VD	7280				

*denotes multioperator station

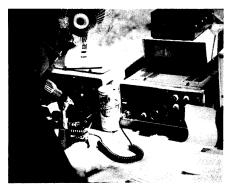
Call-Area	. Multip	lier Leaders	-Sing	gle Operator					
50 MHz		144 MHz		220 MHz		432 MHz		1296 MHz	
K1TOL KC2PX AA2Z W32R W85DSH W6RXQ WØETT W8ULC K9RO WØXG VE3FGU	82 90 104 120 83 33 91 98 87 131 112	K1GX K2LWR WA3FYJ N4AR K5YY WA6HHD WA6HHD WA6HGZ WA0DYU W8ULC KA0HPK W6FY VE3FN	35 77 61 99 75 23 23 26 80 54 58 47	K1PXE W2CRS AA2Z KC4EG KB5PX NR6G K7HSJ W8ULC N9HH WAØNOK VE3BFM	20 21 26 27 24 9 4 23 35 13 19	K1FO W2VC WA3TTS KC4EG K5YY NF6EA6 NF62 NF62 NF62 NF62 W90EH WØFY VE3BFM	39 30 39 49 14 8 46 47 26 25	K1PXE WA2FGK WB3JUF WB4NXY WB5AFY N6CA WA7UUP K8TL W90EH WØRAP VE3BFM	10 13 13 10 8 12 4 2 7 4 9

Call-Area	Multip	lier Leaders	Muli	llop					
50 MHz		144 MHz		220 MHz		432 MHz		1296 MHz	
W1VD N2BOW K3YTL N4HSM N5BHO W6UE WA7JTM W88BKC K9HMB K9TLM VE3LNX	145 104 123 134 66 67 83 122 126 102 110	W1VD N2BOW N2WK W3GNR/3 N4FAC/5 W6UE KB7WW W8VP W9UD/9 W90D/9 W90DRL VE3FAS	71 41 77 83 65 27 26 121 116 73 57	W1VD N2BOW K3YTL N4FAC KE6NS KB7WW W8VP W9UD/9 WBØDRL VE3ONT	35 29 45 37 76 11 6 49 39 21 28	W1VD N2WM K3MTK AB4L N4FAC W6UE N7BPA W8VP W9UD/9 W805L/0 VE3LNX	40 46 51 15 18 12 64 59 45 30	W2SZ/1 WA2SNA K3MTK N4DT AB4L KE6NS K7AUO W8VP W9UD/9 W80DRL VE3ONT	10 24 10 10 21 21 10

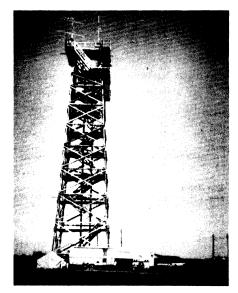
(WA1TDA). You should make this a 24-hour contest only. Sunday P.M. becomes a problem for mountaintoppers (W3MR/2). This was my first all-CW contest, having lost 3 microphone cables hours before the contest (KC2GI). I had more trouble with my contestlogging program for the C-64 than anything else (WA2CWA). My only disappointment was the lack of activity on 220 MHz (N2WM). Things get boring when you just use 220 and 432 SSB/CW (KS2T). The contest was too long. I believe it should be a 12-hour sprint or a 24-hour contest max. (WB2EYX). Wow! (KU2A). No one should complain about conditions this time ... 2 meters was almost enjoyable—not as crowded since everyone was on 6 (WB3JYO). I had a lot of fun chasing our Pack Rat microwave rover to work 10 grids on 2.3 GHz for the VUCC award (WA3JUF). Did you hear me? I was the FN11 station who didn't destroy your front end (KQ3C). It can get confusing with W2IP, W3IP and W9IP/2 on the same band at the same time (W3IP). Water in coax, tornado watch, pinetree attenuators, low generator output, all rotators broken, half the crew left early, punctured auto gas tank (\$150), fire in the camper and a defective fire extinguisher ... still a lot of fun. Just wait 'til next year (K2SPO/3). Missed working 432 VUCC by one grid during the contest (KC4EG). Super conditions on 2, 432 and 1296. While trying to work W5GG on 1296 CW, I heard WB0ZJP break on SSB with a 20-over S-9 signal (WB4NXY). What a band opening on 2! The contest provided 49 new grids. I'm looking forward to the next VHF contest (AA4FQ). Super weather, location, accommodations and no equipment failures. The only thing missing was propagation. Maybe the propagation gods will smile on us in September (N4HSM). Using grid squares makes the contest more active. They should be adopted worldwide for HF as well as VHF (W4HJW). Contest rule no. 74 should read "If you plan to have breakfast, finish eating before connecting the hardline to the rig" (AB4L). In this age of modern technology, why can't someone design an alarm clock that is guaranteed to work? Mine didn't, and I missed the best part of the



Dave, AA9D and crew scored 123 k, for a thirdplace multiop finish in Illinois.



The 2-meter position at top Arkansas multiop N4FAC/5, with N4FAC operating.



These aerials helped W9UD cop a Top-Ten multiop finish.

2-meter opening (WB5JAR). Where's the F2 when you need it (KC5GB)? There is not enough CW on 6 (KB6CYB). There didn't seem to be as much activity on the West Coast this year, and no good 6-meter openings to Southern California. Think the grid squares work fine (K6VMN). One watt on 432 is rough (KA6ING). Who says 6 is dead? (WB6KLL). If the East Coast had listened, they could have worked more grid squares while double hop was in (K7ZOK). I'm very satisfied with the change from Sections to grid squares. Now, get the committee to change conditions from poor to good! (W7ABX). One operator went into the contest thinking it would be like November Sweepstakes and was surprised how helpful the competition was.

September 1985

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This was our first outing, but definitely won't be our last (KE7P). Working Texas on 432 was a real highlight. The icing on the cake was the aurora on 2 meters on Sunday night (NI8O). What a contest! I worked VUCC on 2 bands (WD8ISK). Outstanding conditions and a plethora of propagation phenomena

(NC9F). It certainly would be nice if more of the big contest stations turned their attention to EME (DL9KR).

Georgia

Scores

Scores are listed by ARRL Section. Within each Section, single-operator, multiband scores are listed first, then the single-operator, single-band scores starting with the lowest frequency band, and then multioperator scores. From left to right, each line score lists: call, score, QSOs, multipliers, bands operated (A—50 MHz; B—144 MHz; C—220 MHz; D—432 MHz; E—1296 MHz; F—2.3 GHz; G—3.4 MHz; H—5.7 GHz; I—10 GHz; J—24 GHz; K—48 GHz; L—light). Among the single-operator stations, the single-band award winners are indicated by boldface type for the letter(s) denoting the bands won. For example, in Connecticut, K1PXE is the singleoperator Section award winner, and he also had the highest scores on 220 MHz and 1296 MHz. K1EM had the highest single-band score on 50 MHz, while WB1BXS had the highest single-band score on 144 MHz. K1FO had the top score on 432 MHz. W1VD is the highest-scoring Connecticut multiop.

1	
Connectic	ut
K1PXE	58,520- 357-110-ABCDE
K1EM	54,360- 388-120-ABCD
WA1HYN	26,640- 290- 74-ABCD
KA1BXB	14,592- 168- 64-ABCDE
AB1U	5365- 116- 37-ABCD
WA1ZNT WA1GTP	3515- 95- 37-AB 1276- 58- 22-AB 2604- 84- 31-A
WAIGTP W1WHL	12/0- 30- 22-AD 2804- 84- 31-A
WB1BXS	6076- 217- 28-B
K1GX	6020- 172- 35-B
W1FXS	3775- 151- 25-B 102- 34- 3-B
WA1NLD	102- 34- 3-B
K1FO	15,386- 197- 39-D
W1VD (+W/	A1STO, KA1GD, K1JX)
	590,436-1531-308-ABCDEIJ
KF6AJ/1)	1ECL, N1ABY, N1DBH, WA1WXV,
	99,470- 579-145-ABCDE
W11.1/1 / + M	VB1DNL, WA1CVN) 31,824- 368- 72-ABDE
	31.824- 368- 72-ABDE
W1AW (WA1	IMBK, W1OD, WB2TRN,
KW1J, op	
	384- 32- 12-AB
Eastern M	assachusetts
W1QXX	25,432- 247- 88-ABCD
K1KG	24,565- 241- 85-ABCD
WB1FKF	assechusetts 25,432: 247. 88-ABCD 24,565: 241. 85-ABCD 15,872: 169- 64-ABCDE 13,936: 171- 67-ABCDE 13,936: 171- 67-ABCDE 13,838: 128- 62-ABCDEF 12,825: 162- 57-ABCDE 8094- 169- 38-ABCD 7268: 158- 46-AB 6244: 139- 46-AB 1880: 04: 20-ABD 680: 34: 10-CD 540: 34: 10-CD
WB1FKF WA1JOF KA1DHO W1JR	14,204- 173- 53-BCDE
KA1DHO	13,936- 171- 67-ABCDE
W1JR	13,888- 128- 62-ABCDEF
W1GXT	12,825- 162- 57-ABCDE
K1SRG	8094- 169- 38-ABCD
K1DAT	7268- 158- 46-AB
W1TR	6244- 139- 46-AB
K1VZI	4836- 103- 31-ABCDE
W1FM	1680- 64- 20-ABD
K1FWF	540 34 15 ABC
WA1CRE K5MA	7104. 222. 22.8
W1PSG	7104- 222- 32- B 1200- 75- 16-B
KA1VO (+K	110, K1YAN, WA1AYS, AJ1E,
N1BYS)	40,446- 348-107-ABD
	CPK, DAM, DMM, WIGSL, WIXG,
oprs.)	
	26,013- 279- 69-ABCDE
	26,013- 279- 69-ABCDE
Meine	26,013- 279- 69-ABCDE
Maine	
W3HQT/1	
W3HQT/1 WA1TRE	
W3HQT/1 WA1TRE K1TOL	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A
W3HQT/1 WA1TRE K1TOL W1PLX	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B
W3HQT/1 WA1TRE K1TOL W1PLX	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B K1UTI, WAIQCQ)
W3HQT/1 WA1TRE K1TOL W1PLX	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B
W3HQT/1 WA1TRE K1TOL W1PLX WA1TDA (+	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B K1UTI, WA1QCQ) 980- 49- 20-AB
W3HQT/1 WA1TRE K1TOL W1PLX	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B K1UTI, WA1QCQ) 980- 49- 20-AB
W3HQT/1 WA1TRE K1TOL W1PLX WA1TDA (+ New Ham	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B K1UTI, WA1QCQ) 980- 49- 20-AB pshire
W3HQT/1 WA1TRE K1TOL W1PLX WA1TDA (+ New Ham AF1T	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B K1UTI, WA1QCQ) 980- 49- 20-AB pshire
W3HQT/1 WA1TRE K1TOL W1PLX WA1TDA (+ New Ham	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 26-B K1UTI, WAJQCO) 980- 49- 20-AB pehire 46,052- 313-116-ABCDEI 32,292- 272- 92-ABCDE
W3HQT/1 WA1TRE K1TOL W1PLX WA1TDA (+ New Hamj AF1T W1EJ	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B KIUTI, WAIGCO) 960- 49- 20-AB Pehire 46,052- 313-118-ABCDEI 32,292- 272- 92-ABCDE 16,618- 219- 67-ABCD 3815- 133- 27-BD
W3HQT/1 WAITRE K1TOL W1PLX WAITDA (+ New Hamj AF1T W1EJ AJ1J KA1BJ WAIGDR	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B KIUTI, WAIGCO) 960- 49- 20-AB Pehire 46,052- 313-118-ABCDEI 32,292- 272- 92-ABCDE 16,618- 219- 67-ABCD 3815- 133- 27-BD
W3HQT/1 WAITRE K1TOL W1PLX WAITDA (+ New Hamj AF1T W1EJ AJ1J KA1BJ WAIQDR WAINIE	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B KIUTI, WAIGCO) 960- 49- 20-AB Pehire 46,052- 313-118-ABCDEI 32,292- 272- 92-ABCDE 16,618- 219- 67-ABCD 3815- 133- 27-BD
W3HQT/1 WAITRE K1TOL W1PLX WAITDA (+ New Hamj AF1T W1EJ AJ1J KA1BJ WAIGDR	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 26-B K1UTI, WAJQCO) 980- 49- 20-AB pehire 46,052- 313-116-ABCDEI 32,292- 272- 92-ABCDE
W3HQT/1 WAITRE K1TOL W1PLX WAITDA (+ New Hamj AF1T W1EJ AJ1J KA1BJ WAIQDR WAINIE	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B KIUTI, WAIGCO) 960- 49- 20-AB Pehire 46,052- 313-118-ABCDEI 32,292- 272- 92-ABCDE 16,618- 219- 67-ABCD 3815- 133- 27-BD
W3HQT/1 WAITRE K1TOL W1PLX WAITDA (+ New Hamj AF1T W1EJ AJ1J KA1BJ WAIQDR WAINIE	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B K1UTI, WA1QCO) 980- 49- 20-AB pehire 48,052- 313-116-ABCDE1 32,292- 272- 92-ABCDE 16,616- 219- 67-ABCD 3915- 133- 27-BD 760- 38- 20-AB 275- 25- 11-A 1005- 67- 15-B
W3HQT/1 WAITRE KITOL W1PLX WAITDA (+ New Hamj AFIT W1EJ AJ1J KA1BJ WAIGDR WAIGDR WAIMIE KIGW	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B K1UTI, WA1QCO) 980- 49- 20-AB pehire 48,052- 313-116-ABCDE1 32,292- 272- 92-ABCDE 16,616- 219- 67-ABCD 3915- 133- 27-BD 760- 38- 20-AB 275- 25- 11-A 1005- 67- 15-B
W3HQT/1 WAITRE KITOL W1PLX WAITDA (+ New Hamj AFIT W1EJ AJ1J KAIBJ WAIQDR WAIQDR WAIMIE KIGW	7084- 112- 48-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B K1UTI, WA1QCQ) 980- 49- 20-AB pehire 48,052- 313-116-ABCDEI 32,282- 272- 92-ABCDE 16,816- 219- 87-ABCD 3915- 133- 27-BD 780- 38- 20-AB 275- 25- 11-A 1005- 67- 15-B
W3HQT/1 WAITRE KITOL WIPLX WAITDA (+ New Hamj AFIT WIEJ AJ1J KAIBJ WAIADR WAINIE KIGW Rhode Isla KIDS	7084- 112- 48-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B K1UTI, WA1QCQ) 980- 49- 20-AB pehire 48,052- 313-116-ABCDEI 32,282- 272- 92-ABCDE 16,816- 219- 87-ABCD 3915- 133- 27-BD 780- 38- 20-AB 275- 25- 11-A 1005- 67- 15-B
W3HQT/1 WAITRE KITOL WIPLX WAITDA (+ New Hamj AFIT W1EJ AJ1J KAIBJ WAIQDR WAINIE KIGW Rhode Isla K1DS Vermont	7084- 112- 48-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2549- 91- 28-B KIUTI, WAIQCO) 980- 49- 20-AB Pehlre 44,052- 313-118-ABCDEI 32,292- 272- 92-ABCDE 16,616- 219- 87-ABCD 3915- 133- 27-BD 780- 38- 20-AB 275- 25- 11-A 1005- 67- 15-B md 231- 21- 11-AB
W3HQT/1 WAITRE KITOL W1PLX WAITDA (+ New Hamj AFIT W1EJ AJ1J KAIBJ WAIQDR WAIQDR Rhode Isla KIDS Vermont WBIQQR	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B KIUTI, WA1QCQ) 980- 49- 20-AB pehire 46,052- 313-116-ABCDEI 32,292- 272- 92-ABCDE 16,816- 210- 67-ABCD 3915- 133- 27-BD 780- 38- 20-AB 275- 25- 11-A 1005- 67- 15-B and 231- 21- 11-AB
W3HQT/1 WAITRE KITOL WIPLX WAITDA (+ New Hamj AFIT WIEJ AJ1J KAIBJ WAIGOR WAIGOR KIGW Rhode Isla KIDS Vernont WBIGQR WAIWIF	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B KIUTI, WA1QCQ) 980- 49- 20-AB pehire 46,052- 313-116-ABCDEI 32,292- 272- 92-ABCDE 16,816- 210- 67-ABCD 3915- 133- 27-BD 780- 38- 20-AB 275- 25- 11-A 1005- 67- 15-B and 231- 21- 11-AB
W3HQT/1 WAITRE KITOL W1PLX WAITDA (+ New Hamj AFIT W1EJ AJ1J KA1BJ WAIQDR WAIQDR WAIQDR K1DS Vermont WB1QQR WAIZUJ	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B K1UTI, WA1QCQ) 980- 49- 20-AB pshire 48,052- 313-118- ABCDEI 32,282- 272- 92-ABCDE 16,816- 219- 67-ABCD 3915- 133- 27-BD 760- 38- 20-AB 275- 25- 11-A 1005- 67- 15-B md 231- 21- 11- AB 5780- 108- 45-BD 558- 31- 16-A 284- 24- 11-B
W3HQT/1 WAITRE KITOL WIPLX WAITDA (+ New Hamj AFIT WIEJ AJ1J KAIBJ WAIJDR KAIBJ WAIJGDR WAIWIE KIDS Vermont WB1QQR WAIWIF WAIZCJ WITKZ (K1s	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B KTUTI, WA1QCQ) 980- 49- 20-AB Pahlre 46,052- 313-116-ABCDEI 32,292- 272- 92-ABCDE 16,616- 219- 67-ABCD 3915- 133- 27-BD 780- 38- 20-AB 275- 25- 11-A 1005- 67- 15-B md 231- 21- 11-AB 5760- 108- 45-BD 558- 31- 18-A 264- 24- 11-B 546- 24- 11-B
W3HQT/1 WAITRE KITOL W1PLX WAITDA (+ New Hamj AFIT W1EJ AJ1J KAIBJ WAIQDR WAIQDR WAINIE KIGW Rhode Isla K1DS Vermont W5IQOR WAIWIF WAIZOJ WITKZ (KIS KAIU, W1	7084- 112- 48-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B K1UTI, WA1QCQ) 980- 49- 20-AB pehire 48,052- 313-118-ABCDEI 32,282- 272- 92-ABCDE 16,816- 219- 87-ABCD 3915- 133- 27-BD 780- 38- 20-AB 275- 25- 11-A 1005- 67- 15-B md 231- 21- 11-AB 5760- 108- 45-BD 558- 31- 18-A 264- 24- 11-B TK, UR, N18 ADY, CPE, GCI, WA12LQ, WB18 BUY, BUM,
W3HQT/1 WAITRE KITOL W1PLX WAITDA (+ New Hamj AFIT W1EJ AJ1J KAIBJ WAIQDR WAIQDR WAINIE KIGW Rhode Isla K1DS Vermont W5IQOR WAIWIF WAIZOJ WITKZ (KIS KAIU, W1	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B K1UTI, WA1QCQ) 980- 49- 20-AB pehire 46,052- 313-116-ABCDEI 32,222- 272- 92-ABCDE 16,616- 219- 67-ABCD 3915- 133- 27-BD 3915- 138- 42-AB 275- 25- 11-A 1005- 67- 15-B 1005- 67- 15-B
W3HQT/1 WAITRE KITOL WIPLX WAITDA (+ New Hamj AFIT WIEJ AJ1J KAIBJ WAIGOR WAIGOR KIDS Vermont WBIGQR WAIWIF WAIZOJ WITKZ (KIS KAIIU, WI WAZTIF, V	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B KTUTI, WA1QCQ) 980- 49- 20-AB Pehire 46,052- 313-118-ABCDEI 32,292- 272- 92-ABCDE 16,616- 219- 67-ABCD 3915- 133- 27-BD 760- 38- 20-AB 275- 25- 11-A 1005- 67- 15-B md 231- 21- 11-AB 5760- 108- 45-BD 558- 31- 18-A 264- 24- 11-B 558- 31- 18-A 264- 24- 11-B TK, UR, NIs ADY, CPE, GCI, WA12LQ, WB15 BUV, BUM, (ESCGL, opra.) 253,700- 940-215-ABCDEFI
W3HQT/1 WAITRE KITOL W1PLX WAITDA (+ New Hamj AFIT W1EJ AJ1J KAIBJ WAIQDR WAIQDR WAINIE KIGW Rhode Isla K1DS Vermont W5IQOR WAIWIF WAIZOJ WITKZ (KIS KAIU, W1	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B K1UTI, WA1QCQ) 980- 49- 20-AB pshire 46,052- 313-118- ABCDE I 32,282- 272- 92-ABCDE 16,816- 219- 67-ABCD 3915- 133- 27-BD 760- 38- 20-AB 275- 25- 11-A 1005- 67- 15-B ind 231- 21- 11- AB 5780- 108- 45-BD 558- 31- 16-A 264- 24- 11-B 5760- 108- 45-BD 558- 31- 16-A 264- 24- 11-B TK, UR, N1s ADY, CPE, GCI, WA12LQ, WB1s BUV, BUM, (E3CGL, opra).
W3HQT/1 WAITRE KITOL WIPLX WAITDA (+ New Hamj AFIT WIEJ AJ1J KAIBJ WAIGOR WAIGOR KIDS Vermont WBIGQR WAIWIF WAIZOJ WITKZ (KIS KAIIU, WI WAZTIF, V	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B KTUTI, WA1QCQ) 980- 49- 20-AB Pehire 46,052- 313-118-ABCDEI 32,292- 272- 92-ABCDE 16,616- 219- 67-ABCD 3915- 133- 27-BD 760- 38- 20-AB 275- 25- 11-A 1005- 67- 15-B md 231- 21- 11-AB 5760- 108- 45-BD 558- 31- 18-A 264- 24- 11-B 558- 31- 18-A 264- 24- 11-B TK, UR, NIs ADY, CPE, GCI, WA12LQ, WB15 BUV, BUM, (ESCGL, opra.) 253,700- 940-215-ABCDEFI
W3HQT/1 WAITRE KITOL WIPLX WAITDA (+ New Hamj AFIT W1EJ AJ1J KAIBJ WAIADR WAINIE KIDS Vermont W51QQR WAIWIF WAIZOJ WITKZ (K1s KAIIU, W1 WAZTIF, V K1LPS (+ W	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B KIUTI, WA1QCQ) 980- 49- 20-AB 980- 49- 20-AB 275- 25- 11-A 1005- 67- 15-B 760- 38- 20-AB 275- 25- 11-A 1005- 67- 15-B 760- 108- 45-BD 558- 31- 18-A 231- 21- 11-AB 5760- 108- 45-BD 558- 31- 18-A 231- 21- 11-AB 7760- 108- 45-BD 558- 31- 18-A 264- 24- 11-B TK, UR, NIA ADY, CPE, GCI, WA12LQ, WB15 BUY, BUM, (E3CGL, oprs.) 253,700- 940-215-ABCDEFI 1AIM) 38,478- 305-106-ABCDE
W3HQT/1 WAITRE KITOL WIPLX WAITDA (+ New Hamj AFIT W1EJ AJ1J KAIBJ WAIADR WAINIE KIDS Vermont W51QQR WAIWIF WAIZOJ WITKZ (K1s KAIIU, W1 WAZTIF, V K1LPS (+ W	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B K1UTI, WA1QCQ) 980- 49- 20-AB pshire 46,052- 313-118- ABCDE I 32,282- 272- 92-ABCDE 16,816- 219- 67-ABCD 3915- 133- 27-BD 760- 38- 20-AB 275- 25- 11-A 1005- 67- 15-B ind 231- 21- 11- AB 5780- 108- 45-BD 558- 31- 16-A 264- 24- 11-B 5760- 108- 45-BD 558- 31- 16-A 264- 24- 11-B TK, UR, N1s ADY, CPE, GCI, WA12LQ, WB1s BUV, BUM, (E3CGL, opra).
W3HQT/1 WAITRE KITOL WIPLX WAITDA (+ New Hamj AFIT W1EJ AJ1J KAIBJ WAIADR WAINIE KIDS Vermont W51QQR WAIWIF WAIZOJ WITKZ (K1s KAIIU, W1 WAZTIF, V K1LPS (+ W	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B KIUTI, WA1QCQ) 980- 49- 20-AB 980- 49- 20-AB 980- 49- 20-AB 980- 49- 20-AB 132,222- 272- 92-ABCDE 16,616- 219- 67-ABCD 3915- 133- 27-BD 780- 38- 20-AB 275- 25- 11-A 1005- 67- 15-B 780- 38- 20-AB 275- 25- 11-A 1005- 67- 15-B 100 231- 21- 11-AB 5760- 108- 45-BD 558- 31- 18-A 264- 24- 11-B 558- 31- 18-A 264- 24- 11-B 558- 31- 18-A 264- 24- 11-B 75,37,00- 940-215-ABCDEFI 1AIM) 38,478- 305-106-ABCDE
W3HQT/1 WAITRE KITOL WIPLX WAITDA (+ New Hamj AFIT WIEJ AJ1J KAIBJ WAIGDR WAIUE KIGW Rhode Isla KIDS Vermont WB1QQR WAIWIF WAIZOJ WAIZOJ WITKZ (KIs KAIIU, WI WAZTIF, V KILPS (+ W Western M WIRL KIISW	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B K1UTI, WA1QCQ) 980- 49- 20-AB pshire 46,052- 313-116- ABCDEI 32,282- 272- 92-ABCDE 16,816- 219- 67-ABCD 3915- 133- 27-BD 780- 38- 20-AB 275- 25- 11-A 1005- 67- 15-B ind 231- 21- 11- AB 5780- 108- 45- BD 558- 31- 16-A 284- 24- 11-B 5760- 108- 45- BD 558- 31- 16-A 264- 24- 11-B 7K, UR, N1s ADY, CPE, GCI, WA1ZLQ, WB1s BUV, BUM, (ESCGL, opra) 253,700- 940-215-ABCDEFI 1AIM) 38,478- 305-106-ABCDE
W3HQT/1 WAITRE KITOL WIPLX WAITDA (+ New Hamj AFIT WIEJ AJIJ KAIBJ WAIGDR WAINIE KIGW Rhode Isla KIDS Vermont WSIGQR WAIWIF WAIZOJ WITKZ (KIs KAILU, WI WAIZOJ WITKZ (KIs KAILU, WI WAIZOJ WITKZ (KIS KAILU, WI WAIZOJ WIRIL KISW WAIMBA	7084- 112- 48-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B K1UTI, WA1QCQ) 980- 49- 20-AB pehire 48,052- 313-118-ABCDEI 32,282- 272- 92-ABCDE 18,816- 219- 87-ABCD 3915- 133- 27-BD 760- 38- 20-AB 275- 25- 11-A 1005- 67- 15-B 1005- 67- 15-B
W3HQT/1 WAITRE KITOL WIPLX WAITDA (+ New Hamj AFIT W1EJ AJ1J KAIBJ W1EJ AJ1J KAIBJ WAIADR WAIMIE KIGW Rhode Isla KAIBJ WAIWIF WAIZOJ WAIWIF WAIZOJ WITKZ (KIs KAIIU, WI WAZTIF, V KILPS (+ W Western M WIRIL KIISW WAIMBA KAIKRJ	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B K1UTI, WA1QCQ) 980- 49- 20-AB 980- 49- 20-AB 980- 49- 20-AB 132,222- 272- 92-ABCDE 16,816- 219- 67-ABCD 3915- 133- 27-BD 3915- 133- 27-BD 3915- 133- 27-BD 3915- 133- 27-BD 3915- 133- 27-BD 3915- 133- 27-BD 275- 25- 11-A 1005- 67- 15-B 1005- 67- 15-B 253,700- 940-215-ABCDEFI 10100- 978- 358- 56-BDE 11,918- 161- 59-ABCD 11,500- 178- 46-BDE 11,0229- 185- 53-ABD
W3HQT/1 WAITRE KITOL WIPLX WAITDA (+ New Hamj AFIT WIEJ AJ1J KAIBJ WAIGOR WAIGOR WAINIE KAIBJ WAIGOR WAINIE KAIBJ WAIGOR WAIVIE WAIVIE WAIVIE WAIVIE WAIVIE WAIVIE WAIKOJ KILPS (+W WESTER M WIRL KILPS (+W	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B K1UTI, WA1QCO) 980- 49- 20-AB 980- 49- 20-AB 980- 49- 20-AB 980- 49- 20-AB 16,816- 219- 67-ABCDE 16,816- 219- 67-ABCD 16,816- 219- 67-ABCD 3915- 133- 27-BD 780- 38- 20-AB 275- 25- 11-A 1005- 67- 15-B 1005- 67- 15-B 1005- 67- 15-B 1005- 67- 15-B 11,918- AD, CPE, GCI, WA12LQ, WB18 BUV, BUM, (E3CGL, oprs.) 253,700- 940-215-ABCDEFI 1AIM) 38,478- 305-106-ABCDE 11,918- 181- 59-ABCD 11,500- 178- 45-BD 11,222- 185- 53-ABD
W3HQT/1 WAITRE KITOL WIPLX WAITDA (+ New Hamj AFIT W1EJ AJ1J KAIBJ WAIGDR WAIGDR WAIGDR WAIGDR WAIMIE KIGW Rhode Isla KIDS Vermont WBIGOR WAIZOJ WITKZ (KIIS WAIZOJ WITKZ (KIIS KILPS (+W) WESTERN M WITRI KILPS (+W) WESTERN M WAIMBA KAIKRJ KIBE	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B K1UTI, WA1QCQ) 980- 49- 20-AB 980- 49- 20-AB 980- 49- 20-AB 122,222- 272- 92-ABCDE 132,222- 272- 92-ABCDE 132,222- 272- 92-ABCDE 16,616- 219- 67-ABCD 3915- 133- 27-BD 780- 38- 20-AB 275- 25- 11-A 1005- 67- 15-B 1005- 67- 15-B 25,700- 108- 45-BD 558- 31- 16-A 264- 24- 11-B TK, UR, N1s ADY, CPE, GCI, WA12LQ, WB1s BUV, BUM, (230, WA12LQ, WB1s BUV, BUM, 263,700- 940-215-ABCDEFI 14,100 38,478- 305-106-ABCDE 11,500- 178- 46-BDE 11,500- 178- 46-BDE 11,0229- 185- 53-ABD 2022- 50- 23-ABD
W3HQT/1 WAITRE KITOL WIPLX WAITDA (+ New Hamj AFIT WIEJ AJ1J KAIBJ WAIADR WAIADR KAIBJ WAIADR WAIADR WAIADR WAIADR WAIWIE WAIZOJ WAIZOJ WAIZOJ WAIZOJ WAIZOJ WITKZ (KIS KAIU, WI WAZTIF, V KILPS (+ W Western M WIRL KIISW WAIMBA KAIKRJ KIBE WA3EEC WINMQ	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B K1UTI, WA1QCO) 980- 49- 20-AB 980- 49- 20-AB 980- 49- 20-AB 980- 49- 20-AB 22,292- 272- 92-ABCDE 16,816- 219- 67-ABCDE 16,816- 219- 67-ABCD 3915- 133- 27-BD 780- 38- 20-AB 275- 25- 11-A 1005- 67- 15-B 1005- 67- 15-B 1005- 67- 15-B 1005- 67- 15-B 1005- 67- 15-B 1005- 67- 15-B 1005- 108- 45-BD 558- 31- 18-A 284- 24- 11-B TK, UR, N18 ADV, CPE, GCI, WA12LQ, WB18 BUV, BUM, (E3CGL, oprs.) 253,700- 940-215-ABCDEFI 1AIM) 38,478- 305-106-ABCDE 11,500- 176- 46-BDE 10,229- 185- 53-ABD 2622- 50- 23-ABD 400- 30- 16-AB
W3HQT/1 WAITRE KITOL WIPLX WAITDA (+ New Hamj AFIT WIEJ AJ1J KAIBJ WAIGDR WAIG	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B K1UTI, WA1QCQ) 980- 49- 20-AB pshire 46,052- 313-116-ABCDEI 32,282- 272- 92-ABCDE 16,816- 219- 67-ABCD 3915- 133- 27-BD 780- 38- 20-AB 275- 25- 11-A 1005- 67- 15-B md 231- 21- 11-AB 5780- 108- 45-BD 558- 31- 16-A 284- 24- 11-B 5780- 108- 45-BD 558- 31- 16-A 284- 24- 11-B 7K, UR, N1s ADY, CPE, GCI, WA1ZLQ, WB1s BUV, BUM, (E3CGL, opra.) 223,700- 940-215-ABCDEFI 11,918- 161- 59-ABCD 11,500- 178- 46-BDE 11,500- 178- 46-BDE 11,918- 161- 59-ABCD 11,500- 178- 46-BDE 11,500- 178- 46-BDE 2622- 50- 23-ABD 480- 30- 16-AB 482- 33- 14-ABC
W3HQT/1 WAITRE KITOL WIPLX WAITDA (+ New Hamj AFIT WIEJ AJ1J KAIBJ WAIGOR WAIUE KIGW Rhode Isla KIDS Vermont WBIQQR WAIWIF WAIZOJ WITKZ (K1s KAIIU, WI WAZTIF, V KILPS (+ W WESTERN M WAIMBA KAIKJ KIBE WASEC WINMQ KIJG	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B KIUTI, WA1QCQ) 980- 49- 20-AB 980- 49- 20-AB 227- 22- 92-ABCDE 10,616- 210- 67- ABCD 10,616- 210- 67- ABCD 10,616- 210- 67- ABCD 275- 25- 11-A 1005- 67- 15-B 98- 20-AB 275- 25- 11-A 1005- 67- 15-B 1005- 67- 15-B 253,700- 940-215-ABCDEFI 1AIM) 283,700- 940-215-ABCDEFI 11,918- 161- 55-ABCD 11,918- 161- 55-ABCD 11,918- 161- 55-ABCD 11,918- 161- 55-ABCD 2022- 50- 23-ABD 2022- 50- 23-ABD 2022- 50- 23-ABD 2022- 50- 23-ABD 2022- 50- 23-ABD 2022- 50- 23-ABD
W3HQT/1 WAITRE KITOL WIPLX WAITDA (+ New Hamj AFIT WIEJ AJ1J KAIBJ WAIGDR WAIGDR WAIGDR WAIGDR WAIGDR WAIGDR WAIGDR WAIGDR WAIGDR WAIGDR WAIGDR WAIGDR WAIGDR WAIGDR WAIGDR WAICKIS KAILU, WI WAICKIS KAILU, WI WAICKIS KAILU, WI WAICKIS KAILU, WI WAICKIS KAILU, WI WESTER MUSA	7084- 112- 46-BDE 2448- 72- 34-AB 17,220- 210- 82-A 2548- 91- 28-B K1UTI, WA1QCQ) 980- 49- 20-AB pshire 46,052- 313-116-ABCDEI 32,282- 272- 92-ABCDE 16,816- 219- 67-ABCD 3915- 133- 27-BD 780- 38- 20-AB 275- 25- 11-A 1005- 67- 15-B md 231- 21- 11-AB 5780- 108- 45-BD 558- 31- 16-A 284- 24- 11-B 5780- 108- 45-BD 558- 31- 16-A 284- 24- 11-B 7K, UR, N1s ADY, CPE, GCI, WA1ZLQ, WB1s BUV, BUM, (E3CGL, opra.) 223,700- 940-215-ABCDEFI 11,918- 161- 59-ABCD 11,500- 178- 46-BDE 11,500- 178- 46-BDE 11,918- 161- 59-ABCD 11,500- 178- 46-BDE 11,500- 178- 46-BDE 2622- 50- 23-ABD 480- 30- 16-AB 482- 33- 14-ABC

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KA1DZV, WA1UGE, WB1s EYL, HIH, K2TR, NF2B, N2BNY, W2ARO, KA2QHF, WA2s AAU, SCA, SPL, WB2s KMY, PKO, AK4L, N4CD, WA8USA,oprs.) 507,187-1352-277-ABCDEFGHIJ K1TR (+ K1s BA, EA, W1MJ, K3WM, KV1J, KV1E, KA5CEB, WA1s MZC, PBU, VFJ, N1BEM, N1AFQ) 200,955-1369-213-ABCDEFGI W1NY (KA1S ADP, KPH, MCA ACIT W1NY (KA13 APR, KBN, KPH, MCA, AC1T, W1KK, WA1RWU, oprs.) 145,147- 714-173-ABCD 2 Eastern New York K2CBA (WB2DNE, opr.) DNE, opr.) 90,138-458-166-ABCDE 83,693-507-127-ABCDE 80,652-529-132-ABD 78,470-509-133-ABCD 76,538-444-142-ABCDEF 50,630-289-122-ABCDEF N2BJ K2EK W1XX/2 WA2TEO W2CRS 2132- 66- 26-BC 3168- 88- 36-A 5852- 154- 38-B WA2RUW WB2NDE K2QE
 K2QE
 5802*
 154-36-15

 W2YJO
 816-51-16-B
 50

 KD2IX
 600-50-12-B
 321(+AB2), W2AWX, W2JFB, WA2IID, W2VVV, K2VNV)

 WB2DVV, K2VNV)
 43,500-427.87-ABCD
 W3MR/2 (+ K3DI, KK1W, K3VYJ) 38,640- 381- 92-ABCD K2XR/2 (KT2B, WB2WIK, oprs.) 3540- 79- 20-DE NYC & Long Island 10,948- 150- 68-ABD **K2OVS** KA2VKO 1104- 69- 16-B 525- 35- 15-B KC2GI Northern New Jersey
 Northern New Jersey

 WA2FGK (K2LNS,opr.)

 104,228 534-142-ABCDEF

 KC2PX
 92,340 438-162-ABCDE

 WB2INB
 29,820 302 84-ABCD

 WZYC
 9840 - 113 40-DE

 KA2HZA
 119 13 - 4D-E

 KA2HZA
 109 - 137 66-A

 WB2QOQ
 12,997 - 317 - 41-B

 KA2IVS
 1680 105 16-B

 W2FCR
 1258 74 - 17-B

 WA2ALM
 1218 87 - 14-B

 K1DK
 168 - 24 - 7-B

 N2BOW (+ NZEOC, KT3U, NZCEI, WB2U
 N2EOW
 K1DK 168-24-7-B N2BOW (+N2EOC, KT3U, N2CEI, WB2WLM, WB2ULI) WB2ULI) 201,390-768-210-ABCDEI KC2GE (+ WB2PSD, AK2F) 104,807-268-311-BCD K2NJ (+ K28 PM, TKN, KA28 WFO, KBX, OEG, RWL, RHL, OEE, KB2HZ, KC2ZA, K02EL, KA20, KU2C, KY20, KY2VW, N28 FFB, EKH, NB2P, NE2P, W28 PSB, GW, WA2RMZ, WA8PSQ, WB22 EFW, ZPH, NQV, WB5ASP) 110,292-612-156-ABCD K2DEL (N28 AAM, DXP, FHC, K28 LME, AQG, KA2TGY, NJ2Y, NC2R, WA28 VKH, OPRS, M2105, KA28 NDZ, OVK, VLP, N28 AAZ, CJJ, W28 DC, RS, WCE, WB2RFB, OPRS, 80,509-434-143-ABCDE VA2WH (+ N28 EFH, EWV, CJO, CJS, WA3WUD) 71 178 ESS 114 ABCD 201,390- 768-210-ABCDE WA3WUD) 77,178- 538-114-ABCD Southern New Jersey 37,960- 486- 73-BE 35,987- 298- 97-ABCDE 17,355- 168- 65-ABCDE 7733- 177- 37-BD K2TXB K3GYS W2FIF N2AHN KS2T 3618- 67- 27-CD 5292- 196- 27-B 969- 51- 19-B 660- 33- 20-B WA2ONK WB2EYX N3AHF K2BWR (+K2ZRJ) 50,646- 274-138-ABCDE Western New York 101,985- 450-195-ABCDE 31,860- 248-118-ABD 22,540- 181-115-ABC 20,651- 193-107-AB W9IP/2 WB2KIW K2LZF WA2BPE K2LGJ KU2A 11,245- 126- 65-BD 3476- 62- 44-ABD

	IVD is the highest-sconing (Connectic
K2QR	2580- 43- 30-CD 2412- 67- 38-AB	Georgia
WA2MSA	2380- 43-30-00 2412: 67-36-AB 2178- 84-38-BD 30,964- 402- 77-8 1716- 66-26-B 1152- 48-24-B 28 HSK, MRP, PXZ, KX2J, WA2s P. SHN, WB2MKNI	N4JK
WA2CBU	2178- 84- 38-BD	W3EP/4
K2LWR	30,954- 402- 77-B	K4KAZ
W2AWF	1710- 00- 20-D 1152. 48. 24.B	KA4KKF
N2WK(+KA	2s HSK. MRP. PXZ. KX2J. WA2s	WB4WXE
LAQ, MOI		Kentuc
	60,897- 326-159-ABCD	
WB2ELB (+	KA1YE)	KC4EG WB4NXY
	50,922- 338-138-ABCD	N4EQT
WAZAAZ (W	422HZ, WB2JSB, N2s COJ, K2OEQ, KA2s UXM, UXN, YGS, 35,192, 302,106,48D	N4KCM
oprs.)	35,192- 302-108-ABD	N4FFO
WA2YTM (+	- KW2T, NA2O)	N4AR
•	1218- 28- 21-CDEF	AA4FQ
		North C
		N2CJP
3		NT4T
Deleuren		KA4NMA
Delaware		N4DT (+
KB3QM	89,355- 459-161-ABCD	KJ4X,
KISXA	8281- 127- 49-ABCD	
ACOT	2140- 00- 37-AB	N4HSM (
K3SXA WB3ILM AC3T KB3PD	00,330-459-161-ABCD 8281-127-49-ABCD 2146-58-37-AB 1586-87-36-AB 2047-89-23-B 810-54-15-B	WB4s ITS, JC
W3BDP	810- 54- 15-B	110, 00
		W4CQ (+
Eastern P	ennsylvania	WA4ŤI
AA2Z	172,830- 627-210-ABCDE	KA4AV
WB3JYO	71,022- 432-133-ABCDE	
KSHP	03,/05-405-109-ABCDE	Norther
N3BBI	9250- 161- 75-ABD	W5HUQ
WA3WBU	8464- 151- 46-BD	W40DW
WA3JUF	172,830-627-210-ABCDE 71,022-432-133-ABCDE 63,765-455-109-ABCDE 17,500-240-70-ABD 9250-161-75-ABD 8464-151-46-BD 5445-67-33-BCDEF 3996-82-36-ABCD 759-33-23-AB 6816-142-48-A 4752-144-33-B 2024-88-23-B M, KG3Q, KF3D, KM3T, KT3M,	WB4BSZ
W3CL	3996- 82- 36-ABCD	KL7JGI/V
W3GF	759- 33- 23-AB	W4HJW
KO3C	0010- 142- 40-A 4752, 144, 33-B	WB4NJA
AK3M	2024- 88- 23-B	AA4NA W2LRJ
K3MTK (AA3	M, KC3QG, KF3D, KM3T, KT3M,	
N3s EWC	, AAX, W3GPY, WA3s VVG, PUL, , KPP, TUL, VUN, IAO, KMR, IJZ,	South C
LBI, WAK	, KPP, TUL, VUN, IAO, KMR, IJZ,	W2CUK
WB38 ES	, KPP, TUL, VUN, IAO, KMR, IJZ, S, ESQ, YEH, oprs.) 528,462-1250-306-ABCDEFGHIJ EEO, KB3QI, K3MKZ, N3CXB, A, CAI, FYT, FKQ, WA3s JWP,	NB4S
K3YTL (KA3	EEO, KB3OI, K3MKZ, N3CXB.	KA4WNX
WB3s FA	EEO, KB3QI, K3MKZ, N3CXB, A, CAI, FYT, FKQ, WA3s JWP,	KAYTZ (4
YON, opre	B.)	KD4RH DZG, C
	501,320-1226-302-ABCDEF	020,0
W3AD (K3HE	EC, N3BNA, WA3HMK, WB200B, 150,699- 698-191-ABD	WD4EOG
W3LP (WA3	CUQ, W3GFN, W3JUZ, oprs.)	
	16,767- 188- 69-ABCD	Souther
Maryland	DC 58,548-344-119-ABCDE 51,840-405-128-AB 51,783-357-123-ABDE 20,880-185-87-ABCD 7328-159-39-BD 4182-81-51-AD 1150-50-23-AB 10,280-147-70-A 7474-202-37-A 8398-221-38-B 4814-186-29-B 1224-72-17-B	KC3CL W3ZR
W3IP	58,548- 344-119-ABCDE	WD4MGE
K3ZO	51,840- 405-128-AB	W1WLE/4
W3WFM	51,783- 357-123-ABDE	KB4CRT
WASUTE	7326- 159- 39-BD	W4WSR
WOTC	4182- 81- 51-AD	K4DZP
WA3GYW	1150- 50- 23-AB	WD4AHZ W4OO
W3IFM	10,290- 147- 70-A	KI4MG
KINAH	/4/4- 202- 3/-A	KB4ABT
N3AM	4814- 166- 29-B	N4EJW (
NSAVA	1224- 72- 17-B	
N3DUE	637- 49- 13-B	KA4ULJ/4
K3ONW (+V	VB3LJK)	
	61,614- 366-126-ABCDE 3CUW, WA3LAW, WA3HZJ,	Tennesa
	VB3KUH, oprs.)	WB4JGG
	7852- 137- 52-ABD	N4MW
		WB4CTW
	ennsylvania	WA4QYK
WA3FYJ	80,088- 345-188-ABCD	W4FLW W4ZGS/4
WA3TTS	11,928- 209-121-ABD	N5AYD
W3HDH	7062- 107- 66-A	KI4JU
W3KJM	1989- 51- 39-A	N4VC (+
KA3KZF	2607- 79- 33-B	14/A 41 17/4
WB3EUM	1274- 49- 26-B	WA4LIT/4
	KA3AWL, WA3JBV, KA3DWR,	KB4MSC/
WA3FFC,	WA3BUX) 102,616- 409-202-ABCDE	
	AF2K, KG2F, KS2Z, KA2APP)	
- ,	14,615- 154- 79-ABCD	Virginia
		K2UOP/4
		N4MM
4		W3IY/4 K4LHB
Alaberta		WD4GXN
Alabama		KAJSI
KC4P WA4CQG	44,420- 251-140-ABCD 8496- 107- 72-ABCD	N4RA
WB4GEO	542- 118- 48-AR	K4QIF
WB4GFO KA4BLN	542- 118- 46-AB	WA4SBC
	542- 118- 46-AB	

10,412- 127- 76-ABD 3773- 77- 49-AB 629- 30- 17-ABCDE 400- 24- 16-ABC 100- 10- 10-A KA4KKF WB4WXE Kentucky 80,325- 347-175-ABCD 59,584- 286-152-ABDE 44,162- 269-142-ABD KC4FG WB4NXY N4EQT N4KCM N4FFO N4AR 12,282- 138- 89-AB 1248- 39- 32-A 28,017- 283- 99-B AA4FO 7021- 119- 59-B North Carolina N2CJP 4940- 89-52-ABD NT4T 2530-55-46-A KAANMA 325-25-13-B N4DT (+ AA4S, AJ4N, K4ADI, KJ4BF, KJ4X, WQ4V) KJ4X, WQ4V) 316,820 889-292-ABCDEFHI N4HSM (+ N3AHI, K4MSK, WA4s OYH, FVT, WB4s NMA, SLM, TQD, GVY, WD4s MBK, ITS, JQV, W4VHH, WS4F) 273,612 756-302-ABCDEFHI W4CQ (+ K4COG, WB4ETF, WB4MCI, WA4TJ, WD4LGN, WAPFM, WB4BQG, M44AVI VB4AILM) KA4AVL, KB4NLM) 11,514- 179- 57-ABD Northern Florida W5HUQ 34.844- 255-124-ABD W4ODW 26,429-205-107-ABCDE 6138-96-62-ABD 3502-70-34-BDE 4704-96-49-A KL7JGI/W4 N4HJW WB4NJA AA4NA W2LRJ 1802- 53- 34-A 378- 21- 9-D 16- 4- 2-D W2CUK 1085-35-31-A NB4S 1300-52-25-B KAWNX 9-3-3-B K4YTZ (+ W1WW, N4DOC, KB4MX, KC4ZJ), KD4RH, AA4AM, KA4s KXM, VUK, WA4s DZG, QQQ South Carolina DZG, QQu) 2835- 85- 31-AB WD4EOG (+ WA1MKE, WA4QOT, KB4HQK) 1500- 46- 30-ABD Southern Florida -0000a 46,896 325-131-ABCD 46,844 333-138-ABC 23,320 220-106-AB 11,109 161- 69-AB 10,404 134 - 70-ABDI 1880 66 20-BDE 1396 66 17-BCDE 1394 46 18-BD 27,359 251-109-A 4187 79 53-A 484 22 22-A KC3CL V3ZR ND4MGB N1WL E/4 KB4CRT N4WSR (4DZP ND4AH7 N400 (I4MG 187- 79- 53-A 484- 22- 22-A B4ABT 4EJW (+ N4EJV) 63,325- 406-149-ABD (A4ULJ/4 (+ K2RTH) 52,130- 401-130-AB ennessee 35,244 267-132-AB 14,469 130 91-ABDF 9174 130 66-ABCD 1108 74 52-ABC 1610 46 35-AB 924 33 28-AB 2964 78 38-B 2788 41 34-D 40GE WIRE VB4JGG 4MW NB4CTW NA4QYK N4FLW N4ZGS/4 ISAYD 4VC (+ WD4DGF, WB4KNF) 98,488-400-208-ABCD VA4LIT/4 (+ WB4NJG, WB7ECS, KA4VEY) 72,982- 335-182-ABD (B4MSC/KT (+ W5US) 6096- 127- 48-AB /irginia 50,566 302-131-ABCDE 49,345 318-139-ABD 41,910 197 85-ABCDE 35,420 257-115-ABCD 10,555 130 65-ABD 9120 123 57-ABCD 8046 111 54-ABCD 4848 96 42-BDE 4922 33 46-ABCD 2UOP/4 4MM /3IY/4 4LHB VD4GXN 4JSI 4RA 4QIF A4SBC W4KMS K3ZJ/4 1550-1476-50- 31-AB 82- 18-B



KØTLM put in a 94k, division-topping effort from Missouri.



WA4GPM (yes, Buzz was in DN31) operated from the north shore of the Great Salt Lake.

Sacramento Valley KESZE WB6VYH

6840- 142- 38-ABCD 464- 29- 16-A



Northern New Jersey's number-2 single-op, KC2PX.

KB4CMF 602- 43- 14-B
WA4MMP 1- 1- 1-B
AB4L (+ KA4NZO, KB4s NT, XK, KF4JT,
N4LMQ, W4AAH, WA4s IVF, KCO, PGI,
WB4s WTC, YJC, WD4s BWL, DUT, DUU)
291,460- 816-295-ABCDEI
W4BFB (K4TP, WA4VCC, AA4ZZ, KA4WYC,
KD4IL, KS4S, KU4V, oprs.)
112,054- 534-179-ABCDE
N4HB (+WB4BVY)
31,351- 290-107-ABD
5
0
Arkansas

KSYY WB5JAR NR5A W5SUS 40,424- 255-124-BD 12,168- 151- 78-ABD 4420- 82- 55-AB 12,141- 171- 71-B N4FAC/5 (+ WB4LHD, WD4JHD, WB5BHS, WA5UMP) 95,274- 405-201-ABCD Louisiana Louisiana KB5PX 23,968 176-112-ABCD WASUFH 10,296 139 72-ABD WSUKQ 3240 55 38-BD WD58JT 682 31 22-A W5FYZ 4600 100 46-B WB5YDE 2414 71 34-B N5BHO (+WSEW, WB5NAA) 50,662 302-146-ABCD WSUK (WASWJZ, WB5LLI, KSAQY, WB5NHX, N5BLW, KA5WJZ, 07F3) 1326 52 30-AB KA5VNX (+KCSWA) 360- 20 9-B

Mississippi

wieereerhh			
W5RCI	36,549-	196-1	131-ABCDE
N4JS/5	17.860-	174-	95-ABCD
N4JS/5 WA5WUX	1612-		
			••••=
NE5L	192-	16-	12-A
New Mexic	-		
W5FF KA5EBL	7194-	108-	66-ABD
KA5EBL	1750-	50-	35-AB
K5MAT	1004		14-BCD
K5MAT W5RKS	256-	25-	8-ABD
KI3L/5	3440-	80-	43-A
KI3L/5 WB5AOX	208-		13-B
Northern T	exas		
KE5EP	46,440-	276-	29-ABDE
WA5VJB	22,960-	179-	80-ABCDEFI
KD5RO	16,170-	169-	77-ABDE
K5IS	12.528	135-	87-ABCD
NEGRK	6772.		37-BD
WB5KYK	1440-	44-	24-ABD
NJ5J	27-	9	3-B
WB5KTC (+/			
		184-	79-ABD
Oklahoma			
••••••			
WA5WCP			111-ABCDE
W5NZS			130-ABCDEF
AB5T	11,375-		
N5TM	10,050-		
WB5DSH			83-A
KA5TVF	1-	1-	1-B

Southern Texas

WB5RUS	20,73 9 -	196-	93-ABDE
WB5AFY	7425-	75-	45-DE
KC5GB	5900-	111-	50-ABD
WA5IYX	224-	16-	14-AB
N5BA	4680-	120-	39-B
N5FXQ	96-	16-	6-B

East Bay			
16AMG	19,529-	195-	69-ABCDE

N6EIO	9417- 172- 43-ABCD	
WA6LHD	4795- 111- 35-BCD	
KN5S	1224- 51- 24-A	
WE6G	87- 29- 3-B	
KB6SD (+ M	(D6QE)	
	4968- 216- 23-B	
Los Angel	les	
W6CPL	7680- 191- 30-BD	
WB6FCS	6641- 169- 29-BD	
NEVI	1358- 79- 14-BD	
W6PFE	6- 2- 2-BD	
KB6CYB	680- 34- 20-A	
W6NXB		
N6CA	140- 14- 5-C 828- 23- 12-E	
W6UE (AE6	E, N6ENU, WA6OTU, WA6PZL,	
oprs.)		
	61,752- 385-124-ABCDE	
WB6AAG (4	WAGANL, WAGFWI, NGJJI)	
	27,887- 273- 79-ABCDE	
KODFC (T	VA6HXD, WB6s AXE, YVP, NA2D, 9905- 208- 35-ABCD	
WARSEM (K	B6CGI, N6AOK, WA6FSF,	
WB6JJE,		
1120002,	1440- 46- 24-ABD	
•		
Orange		
K6PFW	3648-116-24-ABCD 2024-50-23-ABCDE 1408-40-22-ABCD 957-67-11-BD 160-16-10-A	
KB6XG	2024- 50- 23-ABCDE	
K6IBY	1408- 40- 22-ABCD	
WA6SNN	957- 67- 11-BD	
K6PHE	160- 16- 10-A	
WA6GFR	75- 15- 5-B 4 -2- 2-B	
KA6AMD		
WB9AJ2/6 (+ WD9HRO) 4200- 99- 24-BD	
	4200- 80- 24-BD	
Santa Bar	bara	
WD6BCN	2343- 61- 33-ABD	
K6MEP (K6)	/MN, N6s HBI, JH, KH6N, WA6s	
DJS, FPX	, oprs.)	
	31,557- 317- 67-ABCDEFI	
NOI EL (+ W		
NOLFICTW	A6OYS, WB6YQN, KA6JOE)	
	21,546- 273- 57-BCDEFI	
WA6IJZ (+1	21,546- 273- 57-BCDEFI (A6VVD)	
	21,546- 273- 57-BCDEFI	
	21,546- 273- 57-BCDEFI (A6VVD)	
	21,546-273- 57-BCDEFI (A6VVD) 1920- 99- 16-ABD	
WA6IJZ (+1 Santa Cla	21,546-273-57-BCDEFI (A6VVD) 1920-99-16-ABD ra Valley	
WA6IJZ (+ I Santa Clai W6RXQ	21,546-273-57-BCDEFI (A6VVD) 1920-99-16-ABD ra Valley 25,875-284-69-ABCDE	
WA6IJZ (+1 Santa Cla	21,546-273-57-BCDEFI (A6VVD) 1920-99-16-ABD 78 Valley 25,875-284-69-ABCDE 17,712-179-72-ABCDE 15,022-165-58-ABCDE	
WA6IJZ (+ I Santa Clai W6RXQ K6HCP	21,546-273-57-BCDEFI (A6VVD) 1920-99-16-ABD 78 Valley 25,875-284-69-ABCDE 17,712-179-72-ABCDE 15,022-165-58-ABCDE	
WA6IJZ (+ I Santa Clar W6RXQ K6HCP WA6QAK KA6ING K6BDK	21,546-273-57-BCDEFI (A6VVD) 1920-99-16-ABD 78 Valley 25,875-284-69-ABCDE 17,712-179-72-ABCDE 15,022-165-58-ABCDE 5248-155-32-ABD	
WA6IJZ (+1 Santa Clar W6RXQ K6HCP WA6QAK KA6ING	21,546-273-57-BCDEFI (A6VVD) 1920-99-16-ABD ra Valley 25,875-284-69-ABCDE 17,712-179-72-ABCDE 15,022-165-58-ABCDE 5248-155-32-ABD 1320-53-24-ABD 1152-52-18-ABD	
WA6IJZ (+ I Santa Clai W6RXQ K6HCP WA6QAK KA6ING K6BDK K6BDK K9TGT/6 A18A/6	21,546-273-57-BCDEFI (A6VVD) 1920-99-16-ABD 78 Valley 25,875-284-69-ABCDE 17,712-179-72-ABCDE 15,022-185-32-ABCDE 5248-155-32-ABD 1320-53-24-ABD 1152-52-18-ABD 308-38-7-BC	
WA6IJZ (+ 1 Santa Clai W6RXQ K6HCP WA6QAK KA6ING K6BDK K6BDK A18A6 K6KLY	21,546-273-57-BCDEFI (A6VVD) 1920-99-16-ABD ra Valley 25,875-284-69-ABCDE 17,712-179-72-ABCDE 15,022-165-58-ABCDE 5248-155-32-ABD 1320-53-24-ABD 1320-53-24-ABD 1152-52-18-ABD 308-38-7-BC 2108-68-31-A	
WA6IJZ (+ I Santa Clau W6RXQ K6HCP WA6QAK KA6ING K68DK K68DK K68DK K68LY W66MGZ	21,546-273-57-BCDEFI (A6VVD) 1920-99-16-ABD ra Valley 25,875-284-69-ABCDE 17,712-179-72-ABCDE 15,022-165-58-ABCDE 5248-155-32-ABD 1320-53-24-ABD 1320-53-24-ABD 1152-52-18-ABD 308-38-7-BC 2108-68-31-A	
WA6IJZ (+ I Santa Clai WSRXQ K6HCP WA6QAK KA6ING K6BDK K9TGT/6 A18A/6 K6KLY W6MGZ K6XO	21,546-273-57-BCDEFI (A6VVD) 1920-99-16-ABD 78 Valley 25,875-284-69-ABCDE 17,712-179-72-ABCDE 15,022-165-58-ABCDE 5248-155-32-ABD 1320-53-24-ABD 1152-52-18-ABD 308-38-7-BC 2108-68-31-A 2024-88-23-B 240-48-58	
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4323- 111- 33-ABCD	WB
3297- 105- 21-ABCDE 3120- 85- 24-BCDE	K3L E
3120 85 24-8000E 912- 59 12-4800E 550 29 10-800EFGHI 300 26 10-880 180 36 10-88 100 5 5-FGHJK 60 10 3-D	_
550- 29- 10-ABCDEFGHI	N8D
300- 26- 10-ABD 180- 36- 10-AB	
100- 5- 5-FGHJK	9
60- 10- 3-D	
	littir
I, VOK, oprs.) 21,065- 263- 55-ABCDEFGHIJK	NC
V7HR, WB7DID)	WB: K9F
19,888- 231- 66-ABCD NH, WA7s TDU, TDZ)	KAS
5336- 108- 46-ABCD	WD
	KA9
	KA9 N9A
180- 20- 9-AB	WB
W6OUU, WD6AUP, K6HXW,	K9B
5735- 114- 37-ABCDEI	KA9 N9H
_	KRS
n 	W9L
7425- 174- 33-ABCDEF 6396- 143- 39-ABD	w
6258- 128- 42-ABCD	K9H
2257- 200- 19-AB	Ŵ
1659- 64- 21-ABCD	ĸ

Mishinga		
Michigan		
KUSP WAJRP	25,630- 206-110-ABD 17,535- 153-105-ABD	
WD8KLU	5742- 85- 58-ABD	
KB8JI	5742- 85- 58-ABD 4760- 75- 56-ABD	
NE8I	1890- 47- 27-ABCD 1127- 41- 23-BD	
N8BMM	1127- 41- 23-BD	
KM8U N8CKH	9348- 164- 57-B 8400- 150- 56-B	
WBBOOA	8400- 150- 56-B 4320- 108- 40-B	
WB8BKC (+)	WB8s KAY, TGY, WA8s 274,480- 743-292-ABCDE	VPD,
HTL) :	274,480- 743-292-ABCDE	
Ohio		
	138,180- 510-235-ABCD	
NI8O	37,800- 234-120-BD	
K8TL WD8CTX	21,462- 164- 98-BDE	
N8BJN	138,180-510-235-ABCD 37,800-234-120-BD 21,462-164-96-BDE 13,765-223-134-ABD 6710-112-55-BD 4608-90-4-AD 6666-35-18-ABD 782-34-23-A 4293-81-53-B 2720-80-34-B 2201-71-31-B 189-21-9-B 189-21-9-B	
N8BTC	4608- 90- 4-AD	
N8CCC	666- 35- 18-ABD	
W8LLU	782- 34- 23-A	
W8NJR W8HBG	4293- 81- 53-B	
K8LMN	2201- 71- 31-B	
KAMD	189- 21- 9-B	
W8VP (K8s A	L, IOX, KNL, KA2IQQ,	
KA8WJE, N	L, IOX, KNL, KA2IQQ, 18s CQX, FXL, W5UA, W , ERB, WB9YCZ, WD8SDI	A8FHF,
WB88 DQE	, EMB, WB9YCZ, WD8SDP 267 445, 924-325, ABCDE	i, opra.)
WD8ISK (N8	, ERB, WB97C2, WD65D7 357,445- 834-335-ABCDE 8 BPB, ECH, ASZ, KC8R1 (A88 OGS, ONQ, WA3OJ	D
W9VNÈ, W	A8s OGS, ONQ, WA3OJ	X,
	DDIS.)	
KACOA (+W	300,510- 784-318-ABCDE	1
ROCUA (+W	B8s JAY, TEI) 31,388- 193-133-ABD	
KC8TW (+N	BXXX	
	682- 31- 22-B	
	682- 31- 22-B	
West Virgi	682- 31- 22-B nia 81 169- 482-157- ABD	
West Virgi	682- 31- 22-B nia 81 169- 482-157- ABD	
West Virgi	682- 31- 22-B nia 81 169- 482-157- ABD	
West Virgi	682- 31- 22-B nia 81 169- 482-157- ABD	A3s
West Virgin N8FCJ W8LSC WB8DRR K3LNZ/8 (+ +	682-31-22-B nia 81,169-482-157-ABD 10,508-115-74-ABD 6681-131-51-B (35 DUA, ICH, W3ZZ, W/ V T/ W4ZS, I)	A 3s
West Virgin NSFCJ W8LSC WB8DRR K3LNZ/8 (+ F EOQ, OYW	682 31- 22-B nia 81,169 482-157-ABD 10,508 115 74-ABD 6881 - 131- 51-B (3s DUA, ICH, W3ZZ, W/ , NZL, W4PSJ) 227,088 - 765-249-ABCDE	
West Virgin NSFCJ W8LSC WB8DRR K3LNZ/8 (+ F EOQ, OYW	682-31-22-B nia 81,169-482-157-ABD 10,508-115-74-ABD 6681-131-51-B (35 DUA, ICH, W3ZZ, W/ V T/ W4ZS, I)	
West Virgin NSFCJ W8LSC WB8DRR K3LNZ/8 (+ H EOQ, OYW N8DKL (N8B)	682 31- 22-B nia 81,169 482-157-ABD 10,508 115 74-ABD 6881 - 131- 51-B (3s DUA, ICH, W3ZZ, W/ , NZL, W4PSJ) 227,088 - 765-249-ABCDE	
West Virgin NSFCJ W8LSC WB8DRR K3LNZ/8 (+ F EOQ, OYW	682 31- 22-B nia 81,169 482-157-ABD 10,508 115 74-ABD 6881 - 131- 51-B (3s DUA, ICH, W3ZZ, W/ , NZL, W4PSJ) 227,088 - 765-249-ABCDE	
West Virgin NSFCJ W8LSC WB8DRR K3LNZ/8 (+ H EOQ, OYW N8DKL (N8B)	682 31- 22-B nia 81,169 482-157-ABD 10,508 115 74-ABD 6881 - 131- 51-B (3s DUA, ICH, W3ZZ, W/ , NZL, W4PSJ) 227,088 - 765-249-ABCDE	
West Virgi NSFCJ WBLSC WBBDRR K3LNZ/8 (+ H EOQ, OYW N8DKL (N8B) 9 Illinois NC9F	682- 31- 22-B nia 81,169- 482-157-ABD 10,508- 115- 74-ABD 6681- 131- 51-B 33s DUA, ICH, W32Z, W, NZL, W4PSJ) 227,088- 765-249-ABCDE 23, N8FWL, KC8IT, opre 37,089- 317-117-AB 23,250- 263- 75-ABCD	
West Virgi NSFCJ W8LSC W8DRR K3LNZ/8 (+ + EOQ, OYW N8DKL (N8B 9 Illinois NC9F W89WMM	682- 31- 22-B nia 81,169- 482-157-ABD 10,508- 115- 74-ABD 6881- 131- 51-B (3s DUA, ICH, W3ZZ, W, NZL, W4PSJ) 227,089- 765-249-ABCDE 23,089- 317-117-AB 23,250- 263- 75-ABCD 20,801- 188-109-ABD	
West Virgin NBFCJ W8LSC W8BDRR K3LNZ/8 (+ f) ECQ, OYV N8DKL (N8B) 9 Illinois NC9F W89WMM K9RO	682- 31- 22-B nia 81,169- 482:157-ABD 10,508- 115- 74-ABD 6881- 131- 51-B (38 DLA, ICH, W3ZZ, W/ , NZL, W4PSJ) 227,088- 765-246-ABCDE 23,089- 317-117-AB 23,250- 263- 75-ABCD 20,801- 188-109-ABD 14,008- 142- 94-AC	
West Virgi: NBFCJ WB8DRR K3LNZ/8 (+) EOQ, OYW N8DKL (N8B) 9 Illinois NC9F WB9WMM K9RO K3MGR	682- 31- 22-B nia 81,169- 482:157-ABD 10,508- 115- 74-ABD 6681- 131- 51-B (33- DUA, ICH, W32Z, W, NZL, W4PSJ) 227,088- 765-249-ABCDE 23,089- 317-117-AB 23,250- 263- 75-ABCD 20,801- 188-109-ABD 14,006- 142- 94-AC 5220- 81- 58-AC	.)
West Virgi: NBFCJ WB8DRR K3LNZ/8 (+) EOQ, OYW N8DKL (N8B) 9 Illinois NC9F WB9WMM K9RO K3MGR	682- 31- 22-B nia 81,169- 482:157-ABD 10,508- 115- 74-ABD 6681- 131- 51-B (33- DUA, ICH, W32Z, W, NZL, W4PSJ) 227,088- 765-249-ABCDE 23,089- 317-117-AB 23,250- 263- 75-ABCD 20,801- 188-109-ABD 14,006- 142- 94-AC 5220- 81- 58-AC	.)
West Virgi: NBFCJ WB8DRR K3LNZ/8 (+) EOQ, OYW N8DKL (N8B) 9 Illinois NC9F WB9WMM K9RO K3MGR	682- 31- 22-B nia 81,169- 482:157-ABD 10,508- 115- 74-ABD 6681- 131- 51-B (33- DUA, ICH, W32Z, W, NZL, W4PSJ) 227,088- 765-249-ABCDE 23,089- 317-117-AB 23,250- 263- 75-ABCD 20,801- 188-109-ABD 14,006- 142- 94-AC 5220- 81- 58-AC	.)
West Virgi: NBFCJ WB8DRR K3LNZ/8 (+) EOQ, OYW N8DKL (N8B) 9 Illinois NC9F WB9WMM K9RO K3MGR	682- 31- 22-B nia 81,169- 482:157-ABD 10,508- 115- 74-ABD 6681- 131- 51-B (33- DUA, ICH, W32Z, W, NZL, W4PSJ) 227,088- 765-249-ABCDE 23,089- 317-117-AB 23,250- 263- 75-ABCD 20,801- 188-109-ABD 14,006- 142- 94-AC 5220- 81- 58-AC	.)
West Virgi: NBFCJ WB8DRR K3LNZ/8 (+) EOQ, OYW N8DKL (N8B) 9 Illinois NC9F WB9WMM K9RO K3MGR	682- 31- 22-B nia 81,169- 482:157-ABD 10,508- 115- 74-ABD 6681- 131- 51-B (33- DUA, ICH, W32Z, W, NZL, W4PSJ) 227,088- 765-249-ABCDE 23,089- 317-117-AB 23,250- 263- 75-ABCD 20,801- 188-109-ABD 14,006- 142- 94-AC 5220- 81- 58-AC	.)
West Virgi: NBFCJ WB8DRR K3LNZ/8 (+) EOQ, OYW N8DKL (N8B) 9 Illinois NC9F WB9WMM K9RO K3MGR	682- 31- 22-B nia 81,169- 482:157-ABD 10,508- 115- 74-ABD 6681- 131- 51-B (33- DUA, ICH, W32Z, W, NZL, W4PSJ) 227,088- 765-249-ABCDE 23,089- 317-117-AB 23,250- 263- 75-ABCD 20,801- 188-109-ABD 14,006- 142- 94-AC 5220- 81- 58-AC	.)
West Virgi: NBFCJ WB8DRR K3LNZ/8 (+) EOQ, OYW N8DKL (N8B) 9 Illinois NC9F WB9WMM K9RO K3MGR	682- 31- 22-B nia 81,169- 482:157-ABD 10,508- 115- 74-ABD 6681- 131- 51-B (33- DUA, ICH, W32Z, W, NZL, W4PSJ) 227,088- 765-249-ABCDE 23,089- 317-117-AB 23,250- 263- 75-ABCD 20,801- 188-109-ABD 14,006- 142- 94-AC 5220- 81- 58-AC	.)
West Virgi: NBFCJ WB8DRR K3LNZ/8 (+) EOQ, OYW N8DKL (N8B) 9 Illinois NC9F WB9WMM K9RO K3MGR	682- 31- 22-B nia 81,169- 482:157-ABD 10,508- 115- 74-ABD 6681- 131- 51-B (33- DUA, ICH, W32Z, W, NZL, W4PSJ) 227,088- 765-249-ABCDE 23,089- 317-117-AB 23,250- 263- 75-ABCD 20,801- 188-109-ABD 14,006- 142- 94-AC 5220- 81- 58-AC	.)
West Virgi: NBFCJ WB8DRR K3LNZ/8 (+) EOQ, OYW N8DKL (N8B) 9 Illinois NC9F WB9WMM K9RO K3MGR	682- 31- 22-B nia 81,169- 482:157-ABD 10,508- 115- 74-ABD 6681- 131- 51-B (33- DUA, ICH, W32Z, W, NZL, W4PSJ) 227,088- 765-249-ABCDE 23,089- 317-117-AB 23,250- 263- 75-ABCD 20,801- 188-109-ABD 14,006- 142- 94-AC 5220- 81- 58-AC	.)
West Virgin NBFCJ W8LSC W8BDRR K3LNZ/8 (+) EOQ, OYW N8DKL (N8B 9 IIIInois NC9F WB9WMM K9RO KA9QIK KA9QIK KA9QIK KA9QIK KA9QIK KA9QIK KA9QIK KA9QIK KA9QIA KA9QIA KA9QYA N9HH KR9G W9UD/9 (+)K WD9FSA, /	682- 31- 22-B nia 81,169- 482-157-ABD 10,508-115- 74-ABD 6881- 131- 51-B (33 DUA, ICH, W3ZZ, W/, NZL, W4PSJ) 227,088- 765-249-ABCDE 23,250- 263- 75-ABCD 20,801- 188-109-ABD 14,006- 142- 94-AC 5220- 81- 58-AC 3713- 68- 47-ABD 656- 34- 16-BD 351- 32- 9BC 2940- 70- 42-B 2818- 77- 34-B 741- 39- 19-B 3360- 48- 35-C 2868- 46- 29-D 99- 11- 9-B 3360- 48- 35-C 2868- 46- 29-D 99- 41- 98- 3360- 48- 35-C 2868- 46- 29-D 99- 41- 98- 3360- 48- 35-C 2868- 46- 29-D 99- AKS, CHZ, W80HU, IV, K87, AEGW, WBSMSU, WBSMSU, W	(B9QPI)
West Virgi: NBFCJ W8LSC WB8DRR K3LNZ/8 (+) EOQ, OYW N8DKL (N8B 1000 NBDKL (N8B 9 1000 NBBK KA9K K49K K49K K49K K49CLP N9AQ W89PQO K49K K49CLP N9AQ W89PQO K49CLP N9AQ N9HH K79G W9UD/9 (+ K W90FSA, 4	682- 31- 22-B nia 81,169- 482-157-ABD 10,508- 115- 74-ABD 6681- 131- 51-B (33 DUA, ICH, W32Z, W, NZL, W4PSU) 227,088- 765-249-ABCDE 23,250- 263- 75-ABCD 20,801- 189-109-ABD 14,006- 142- 94-AC 5220- 81- 55-AC 3713- 68- 47-ABD 666- 34- 16-BD 351- 32- 9-BC 2940- 70- 42-B 2618- 77- 34-B 741- 39- 19-B 99- 11- 9-B 3300- 48- 35-C 298- 46- 29- 98- AKS, CHZ, W90HU, K697, 420- 76- 320-ABCDH	(B9QPI)
West Virgi: NSFCJ W8LSC W88DRR K3LNZ/8 (+) EOQ, OYW N8DKL (N88 9 IIIInois NCSF W89WMM K9RO KA9GIR KA9GR W99WMM KA9GLP N9AQ W89PQO K98QL KA9QIK KA9QIK K49QJA N9HH KA9QJA N9HH K89RO K99QA K99GA K99DA K99FA, A W9FSA, A	682- 31- 22-B nia 81,169- 482:157-ABD 10,508- 115- 74-ABD 6681- 131- 51-B (33- DUA, ICH, W3ZZ, W, NZL, W4PSJ) 227,088- 765-249-ABCDE 23,250- 263- 75-ABCD 20,801- 188-109-ABD 14,006- 142- 94-AC 3713- 68- 47-ABD 656- 34- 16-BD 351- 32- 9BC 3713- 68- 47-ABD 656- 34- 16-BD 351- 32- 9BC 2940- 70- 42-B 2940- 70- 42-B 2950- 42-B 2050- 42-B 20	(B9QPI)
West Virgin NBFCJ W8LSC W8BORR K3LNZ8 (+ F EOQ, OYW N8DKL (N8B 9 Illinois NC9F WB9WMM K9RO K49QI K40QI	682- 31- 22-B nia 81,169- 482-157-ABD 10,508-115- 74-ABD 6881- 131- 51-B (38 DLA, ICH, W3ZZ, W/, I, NZL, W4PSJ) 227,088- 765-249-ABCDE 227,088- 765-249-ABCDE 23,089- 317-117-AB 23,250- 263- 75-ABCD 20,801- 189-109-ABD 14,006- 142- 94-AC 5220- 81- 58-AC 3713- 68- 47-ABD 666- 34- 16-BD 666- 34- 16-BD 666- 34- 16-BD 666- 34- 18-BD 666- 34- 18-BD 94-AC 2940- 70- 42-B 2940- 70- 42-B 2950- 70- 520- 70- 520- 70- 520- 70- 520- 70- 70- 70- 70- 70- 70- 70- 70- 70- 7	/B9QPI) 9CAS, 3WI,
West Virgin NBFCJ W8LSC W8BORR K3LNZ8 (+ F EOQ, OYW N8DKL (N8B 9 Illinois NC9F WB9WMM K9RO K49QI K40QI	682- 31- 22-B nia 81,169- 482-157-ABD 10,508-115- 74-ABD 6881- 131- 51-B (38 DLA, ICH, W3ZZ, W/, I, NZL, W4PSJ) 227,088- 765-249-ABCDE 227,088- 765-249-ABCDE 23,089- 317-117-AB 23,250- 263- 75-ABCD 20,801- 189-109-ABD 14,006- 142- 94-AC 5220- 81- 58-AC 3713- 68- 47-ABD 666- 34- 16-BD 666- 34- 16-BD 666- 34- 16-BD 666- 34- 18-BD 666- 34- 18-BD 94-AC 2940- 70- 42-B 2940- 70- 42-B 2950- 70- 520- 70- 520- 70- 520- 70- 520- 70- 70- 70- 70- 70- 70- 70- 70- 70- 7	/B9QPI) 9CAS, 3WI,
West Virgin NBFCJ W8LSC W8BORR K3LNZ/8 (+ H EOQ, OYW N8DKL (N8B 9 IIIInois NC9F W89MMM K9RO K49MGR W09IX K49QLP N9AQ W89PQO K49QLA K49QLA K99Q W90FSA,4 K99Q W90FSA,4 K99G W90FSA,4 K99G W90FSA,4 K99G W90FSA,4 K90FJG, V K49CJG, V K40CJG,	682- 31- 22-B nia 81,169- 482-157-ABD 10,508-115- 74-ABD 6881- 131- 51-B (33 DUA, ICH, W3ZZ, W/, NZL, W4PSJ) 227,088- 765-249-ABCDE 23,250- 263- 75-ABCD 20,801- 188-109-ABD 14,008- 142- 94-AC 5220- 81- 58-AC 3713- 68- 47-ABD 3713- 68- 47-ABD 3713- 68- 47-ABD 351- 32- 9BC 2940- 70- 42-B 2818- 77- 34-B 741- 39- 9BC 99- 11- 9-B 3300- 48- 35-C 2868- 46- 29-D 99- 11- 9-B 330- 49- 35-C 2868- 46- 29-D 99- 41- 91-9-B 330- 49- 35-C 2868- 46- 29-D 99- 41- 9-B 330- 48- 35-C 2868- 86- 28-D 99- 41- 90- 90- 90- 90- 90- 90- 90- 90- 90- 90	/B9QPI) 9CAS, 3WI,
West Virgin NBFCJ W8LSC W8BORR K3LNZ/8 (+ H EOQ, OYW N8DKL (N8B 9 IIIInois NC9F W89MMM K9RO K49MGR W09IX K49QLP N9AQ W89PQO K49QLA K49QLA K99Q W90FSA,4 K99Q W90FSA,4 K99G W90FSA,4 K99G W90FSA,4 K99G W90FSA,4 K90FJG, V K49CJG, V K40CJG,	682- 31- 22-B nia 81,169- 482-157-ABD 10,508-115- 74-ABD 6881- 131- 51-B (38 DLA, ICH, W3ZZ, W/, I, NZL, W4PSJ) 227,088- 765-249-ABCDE 227,088- 765-249-ABCDE 23,089- 317-117-AB 23,250- 263- 75-ABCD 20,801- 189-109-ABD 14,006- 142- 94-AC 5220- 81- 58-AC 3713- 68- 47-ABD 666- 34- 16-BD 666- 34- 16-BD 666- 34- 16-BD 666- 34- 18-BD 666- 34- 18-BD 94-AC 2940- 70- 42-B 2940- 70- 42-B 2950- 70- 520- 70- 520- 70- 520- 70- 520- 70- 70- 70- 70- 70- 70- 70- 70- 70- 7	/B9QPI) 9CAS, 3WI,

Indiana

KA8MRI/9	51,188-	319-134-ABCD
KAØHPK	37,845-	198-145-ABCD
K9DZS	19,691-	160- 97-ABD
W9OEH	14,688-	130- 54-DE
KC4KK/9	9936-	138-72-AB
AF9L	363-	22- 11-BC

W9TC	1353- 41- 33-A	
KA9MQI	374- 22- 17-B	
WBUT	374- 22- 17-B 3630- 55- 33-D	
	EIX, AG9S, N8BEY, WD9CTS	
	JRA, ET, KC9CP, KA9PGD,	í
	23.920- 201-104-ABCD	
	CR, KC9G, KS9J, WA1RHS,	
	2952- 69- 41-ABC	
00.0.7		
Wisconsin		
WA1IED	10,140- 125- 78-ABC	
	7198- 118- 61-AB	
N9KS	2870- 70- 41-AB	
W9YCV	1982- 62- 29-BD	
N9TD	172- 17- 14-BD	
W9NAW	1344- 42- 32-A	
W9CBE	1225- 49- 25-B	
K9VGE	432- 36- 12-B	
KA9HKL	360- 30- 12-B	
K9GDF N9DIJ	9-3-3-B	
N9DIJ	4- 2- 2-B	
WA9HCZ/9		
WØUC/9 (+ K	AGJX)	
	70,047- 373-181-ABD	

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Colorado			
KASMQA	23,268-	227-	84-ABCD
KDØGT	17,920-	206-	80-ABD
KDØGS	4620-	96-	33-ABCDE
KAØNNO	18,800-	200-	94-A
NØBRI	8000-	125-	64-A
WØKEA	1122-	66-	17-B
WØJR (+KA	ØCDN, K	XØO,	ND2X, W6OAL,
KABCZW, I	NKØP, KI	BEU)	

70,740- 436-135-ABCDEI

WØIA (KAØD>	(M, KAØQPT, W1XE, KRØU,
oprs.)	16,524- 188- 81-ABCD
lowa	
	10 450 100 87 4000
KIDAS	13,659- 129- 87-ABCD 12,544- 143- 88-AB
	12,544- 143- 80-AB
	10,449-103-81-ABCDE
VVDDHMI	10,005- 115- 87-AB 1430- 30- 22-DE 8316- 128- 66-A 1728- 48- 36-A 7980- 140- 57-B 770- 35- 22-B
KARCSI	1430- 30- 22-0E 9316, 138, 68, A
WARDOR	1729 49 28 4
WRASWD	7980. 140. 57.8
WAAVWV	770. 35. 22-B
KABGOA (+	NEAP
100000000000000000000000000000000000000	338-26-13-B
Kansas	
NOLL	38,503- 277-139-AB 9230- 98- 71-ABD 2014- 53- 38-AB
WØRT	9230- 98- 71-ABD
WARCFQ	2014- 53- 38-AB
KOVUA	3432· 78· 44-B
N7AQX	294- 21- 14-B
WBØDRL (+	WAØTKS, NØFUJ, NØUU)
	130,298- 475-227-ABCDE
KFØM (+KB	ØDW, WAØVJF, NØEKT)
	69,190- 342-170-ABCD
Minnesota	
WEXG	69,906- 361-183-ABCD
ADBS	6441- 113- 57-A
Missouri	
KITLM	93,955- 367-215-ABCDE
WARNOK	37 120- 215-145-ABCD

misevuii		
KOTLM	93,955-	367-215-ABCD
WABNOK	37,120-	215-145-ABCD
WOFY	28,084-	205-118-ABD
KØGOB	7975-	98-55-ABCD
W9BPP	1770-	46- 30-BD

akøm	3483-	81-	43-B
WB0SIL/0 (+	NØZZ KO	OPP.	WA9NRB)
	50,128-		
Nebraska			
NGAJU	23.760-	220-1	08-AB
KØUS			
WBØYZN	7957-	109-	73-AB
KAØCRI	1848.	88.	28.AB
WDØBQM			
	322-		
			NØBTN. KCØQR.
			S, WBOHXY,
WDØCKF,			5, WOOTAT,
WDBCKF,			
	39,200-	24/-1	40-ABCDE
South Dal	ota		
WBOULX	306-	18-	17 -A
VE			
Maritime-I	Newfoun	dian	d
VE1AHM	135-	12-	9-BD
Quebec			

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VE2FUT
           11,176- 135- 76-ABCE
VE2TH
             4185- 93- 45-A
VE2YB
              396- 22- 18-A
              230- 23- 10-B
VE2ASL/2
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Ontario
VE3ASO
           68.058- 327-171-ABCDE
VE3FGU
           48.248- 312-154-AB
VE3BFM
           44,688- 243-133-ABCDEI
VE3EYR
           20,301- 126-101-ABCD
VE3FN
             7830- 114- 58-BD
VE3BYO
             5040- 99- 42-BD
             3220- 84- 35-ABC
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VE3BTW/3

VE3GCE 3024- 64- 36-BD VE3AL 210- 21- 10-AB VE3OE 1134- 63- 18-B VE3UOT 119- 17- 7-B VE3CIE 442- 34- 13-B VE3ONT (VE3s ABG, CDX, CRU, DSS, 172,437- 625-229-ABCDE oprs.) VE3LNX (+ VE3s ADJ, NSQ, OCX) 162.132- 587-229-ABCDEF VE3FAS (+ VE3KZ, VE3DDW) 46.240- 340-136-AB VE3FHK (+ VE3s FHU, NPB, OJN) 16,490- 162- 97-ABD Manitoba VE4AQ 2058- 49- 42-A Saskatchewan VE5LY 378- 21- 18-A VE5XV 20- 5- 4-A

Alberta

VE6AFO 564- 33- 12-B

British Columbia

VE7ASI 2511- 65- 31-ABCD VE7UBC (VE7s CXG, DES, CYB, EWU, ACY, AOV, FXG, oprs.) 2438- 79- 23-ACDE

DX

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