

June VHF QSO Party, 1985-Style

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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 WB0SIL with strong signals on a rubber duck. We left the operating site filled with exhilaration."—K8CQA, 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." Grid-peditions abounded in order to pass out those elusive multipliers, such as W0KEA in DM69 at 10,000 feet near Gypsum, Colorado; and WB0SIL/0, multiop station in EM46, who didn't even work their own grid square. While



Sunday evening was "electric" at AA9D.

Top Ten

Single Operator

| | |
|--------|---------|
| AA2Z | 172,830 |
| W8ULC | 138,180 |
| WA2FGK | 104,228 |
| W9IP/2 | 101,985 |
| K0TLM | 93,955 |
| KC2PX | 92,340 |
| K2CBA | 90,138 |
| KB3QM | 89,355 |
| N2BJ | 83,693 |
| K2EK | 80,652 |

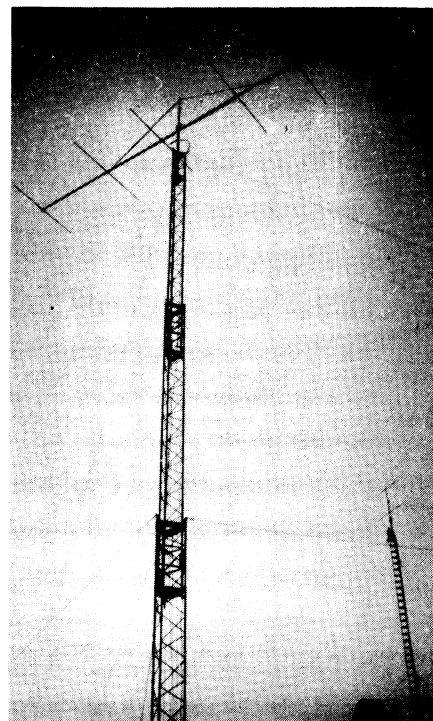
Multioperator

| | |
|--------|---------|
| W1VD | 587,972 |
| K3MTK | 528,462 |
| W2SZ/1 | 507,187 |
| K3YTL | 501,320 |
| W8VP | 357,445 |
| N4DT | 316,820 |
| WD8ISK | 300,510 |
| W9UD | 297,920 |
| AB4L | 291,460 |
| K1TR | 290,958 |

W0ETT/7, DN61, who "enjoyed my grid-pedition 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 you're treading Gulf 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 (awaiting 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 filling 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 6! 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-jeebies," 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 ionosphere 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 air!

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.—WJXX

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 (K1FO). Like grid squares!

Division Leaders

| Single Operator Call | Score | Division | Multioperator Call | Score |
|-------------------------|---------|----------------|-----------------------|---------|
| VE3ASO | 68,058 | Canada | VE3ONT | 172,437 |
| AA2Z | 172,830 | Atlantic | K3MTK | 558,450 |
| KA8MRI/9 | 51,188 | Central | K9HMB | 208,498 |
| W0XG | 69,906 | Dakota | | |
| K5YY | 40,424 | Delta | N4VC | 98,488 |
| W8ULC | 138,180 | Great Lakes | W8VP | 357,445 |
| WA2FGK | 104,228 | Hudson | N2BOW | 201,390 |
| K0TLM | 93,955 | Midwest | WB0DRL | 130,298 |
| K1PXE | 58,520 | New England | W1VD | 587,972 |
| WB8UUP | 7425 | Northwestern | K7AUO | 21,065 |
| W8RXQ | 25,875 | Pacific | KE8NS | 48,070 |
| N8FCJ | 81,169 | Roanoke | N4DT | 318,820 |
| KA8MOA | 23,288 | Rocky Mountain | W0IA | 18,524 |
| KC3CL | 46,898 | Southeastern | N4EJW | 63,325 |
| W8CPL | 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 |
|----------------|----------------|---------------|---------------|--------------|
| W0XG 35,108 | K2LWR 30,954 | AA2Z 3588 | K1FO 15,388 | W3IY4 2320 |
| W3ZR 32,760 | K2TXB 30,045 | N9HH 3360 | W9OEH 11,092 | WA2FGK 1404 |
| W4OO 27,359 | N4AR 20,017 | N2BJ 1870 | KC4EG 7644 | N6CA 828 |
| VE3FGU 25,200 | K2CBA 19,869 | WA2TEO 1836 | N180 7452 | K1PXE 750 |
| KC3CL 22,400 | W8ULC 18,160 | KC4EG 1836 | K5YY 6958 | K8UQH 675 |
| AA2Z 22,152 | N8FCJ 15,895 | K1PXE 1720 | WB4NXY 6708 | W2CRS 627 |
| W9IP/2 21,733 | K5YY 13,800 | W2CRS 1680 | K2EK 4592 | W1RIL 576 |
| N4MM 21,105 | KC4EG 13,581 | W8ULC 1610 | W3IP 4482 | WA1JOF 552 |
| KB3QM 21,087 | WB2QOQ 12,997 | KB3QM 1292 | WB5AFY 4440 | WA1MBA 513 |
| N0LL 20,800 | W5SUS 12,141 | WA3FYJ 1232 | AA2Z 4420 | WB1FKF 480 |
| *W1VD 75,838 | *W1VD 75,835 | W9IP/2 1080 | *K3MTK 17,204 | *K3MTK 3960 |
| *K3YTL 50,307 | *W8VP 57,596 | *K3YTL 13,860 | *W1NY 16,320 | *K3YTL 3564 |
| *VE3LNX 49,980 | *W9UD/9 48,720 | *K3MTK 10,530 | *W1VD 14,240 | *W2SZ/1 2304 |
| | | *W1VD 7280 | | |

*denotes multioperator station

Call-Area Multiplier Leaders—Single Operator

| 50 MHz | 144 MHz | 220 MHz | 432 MHz | 1296 MHz |
|------------|-----------|-----------|-----------|-----------|
| K1TOL 82 | K1GX 35 | K1PXE 20 | K1FO 39 | K1PXE 10 |
| KC2FX 80 | K2LWR 77 | W2CRS 21 | W2VC 30 | WA2FGK 13 |
| AA2Z 104 | WA3FYJ 61 | AA2Z 26 | WA3TTS 39 | WA3JUF 13 |
| W3ZR 120 | N4AR 99 | KC4EG 27 | KC4EG 49 | WB4NXY 10 |
| WB5DSH 83 | K5YY 75 | KB5PX 24 | K5YY 49 | WB5AFY 8 |
| W8RXQ 33 | WA6HHD 23 | NR6G 9 | NR6E/6 14 | N6CA 12 |
| W8ETT 81 | WA6MGZ 23 | K7HSJ 4 | NF8X 8 | WA7UUP 4 |
| W8ULC 98 | WA6DYU 28 | W8ULC 23 | N180 46 | K8TL 2 |
| K9RO 87 | W8ULC 80 | N9HH 35 | W9OEH 47 | W9OEH 7 |
| W0XG 131 | KA8HPK 54 | WA8NOK 13 | W8FY 26 | W8RAP 4 |
| VE3FGU 112 | W8FY 58 | VE3BFM 19 | VE3BFM 25 | VE3BFM 9 |
| | VE3FN 47 | | | |

Call-Area Multiplier Leaders—Multitop

| 50 MHz | 144 MHz | 220 MHz | 432 MHz | 1296 MHz |
|------------|------------|-----------|-----------|-----------|
| W1VD 145 | W1VD 71 | W1VD 35 | W1VD 40 | W2SZ/1 16 |
| N2BOW 104 | N2BOW 41 | N2BOW 29 | N2WM 30 | WA2SNA 8 |
| K3YTL 123 | N2WK 41 | K3YTL 45 | K3MTK 46 | K3MTK 24 |
| N4HSM 134 | W3GNR/3 77 | N4DT 37 | AB4L 51 | N4DT 10 |
| N5BHO 66 | N4DT 83 | N4FAC 76 | N4FAC 15 | AB4L 10 |
| W8UE 67 | N4FAC/5 65 | KE8NS 11 | W8UE 18 | KE8NS 7 |
| WA7JTM 83 | W8UE 27 | KB7WW 6 | N7BPA 12 | K7AUO 5 |
| WB8BK 122 | KB7WW 26 | W8VP 49 | W8VP 64 | W8VP 21 |
| K9HMB 126 | W8VP 121 | W9UD/9 39 | W9UD/9 59 | W9UD/9 5 |
| K0TLM 102 | W9UD/9 116 | WB0DRL 21 | WB0DRL 45 | WB0DRL 13 |
| VE3LNX 110 | WB0DRL 73 | VE3ONT 28 | VE3LNX 30 | VE3ONT 10 |
| | VE3FAS 57 | | | |

(WA1TDA). You should make this a 24-hour contest only. Sunday P.M. becomes a problem for mountain-toppers (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 contest-logging 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 (K52T). 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, pine-tree attenuators, low generator output, all rotators

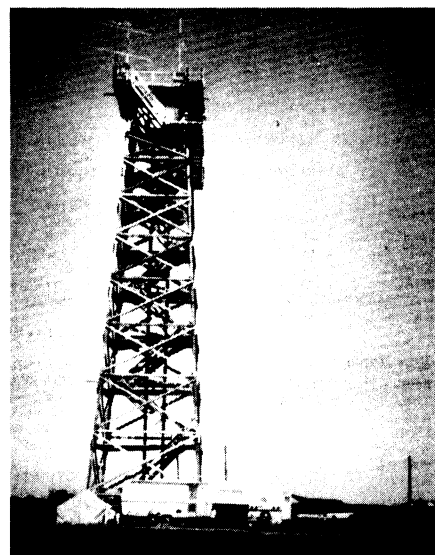
broken, half the crew left early, punctured auto gas tank (\$150), fire in the camper and a defective fire extinguisher . . . still a lot of fun. Just wait 'til next year (K2SPO/3). Missed working 432 VUCC by one grid during the contest (KC4EG). Super conditions on 2, 432 and 1296. While trying to work 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 third-place multitop finish in Illinois.



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



These aeriels helped W9UD cop a Top-Ten multitop 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.

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 (N18O). 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).

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 single-operator 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

Connecticut

K1PXE 58,520- 357-110-ABCD
K1EM 54,360- 388-120-ABCD
WA1HYN 26,840- 290- 74-ABCD
KA1BXS 14,592- 168- 64-ABCD
AB1U 5365- 116- 37-ABCD
WA1ZNT 3515- 95- 37-AB
WA1GTP 1276- 58- 22-AB
W1WHL 2604- 84- 31-A
WB1BXS 6076- 217- 28-B
K1GX 6020- 172- 35-B
W1FXS 3775- 151- 25-B
WA1NLD 102- 34- 3-B
K1FO 15,366- 197- 39-D
W1VD (+ WA1STO, KA1GD, K1JX)
590,436-1531-308-ABCD
W1QK (+ KA1ECL, N1ABY, N1DBH, WA1WVX,
KF6AJI) 99,470- 579-145-ABCD
W1LJ/I (+ WB1DNL, WA1CVN)
31,824- 368- 72-ABDE
W1AW (WA1MBK, W1OD, WB2TRN,
KW1J, opns.) 384- 32- 12-AB

Eastern Massachusetts

W1QXX 25,432- 247- 88-ABCD
K1KG 24,565- 241- 85-ABCD
WB1FKF 15,872- 169- 64-ABCD
WA1JOF 14,204- 173- 53-BCDE
KA1DHO 13,936- 171- 67-ABCD
W1JR 13,888- 128- 62-ABCD
W1GXT 12,825- 162- 57-ABCD
K1SRG 8094- 169- 38-ABCD
K1DAT 7268- 158- 46-AB
W1TR 6244- 139- 46-AB
K1VZI 4836- 103- 31-ABCD
W1FM 1680- 64- 20-ABD
K1PWF 680- 34- 10-CD
WA1CRE 540- 34- 15-ABC
K5MA 7104- 222- 32-B
W1PSG 1200- 75- 16-B
KA1YQ (+ K1IO, K1YAN, WA1AYS, AJ1E,
N1BYS) 40,448- 348-107-ABD
W1XM (N1s CPK, DAM, DMN, W1GSL, W1XG,
opns.) 26,013- 279- 69-ABCD

Maine

W3HOT/1 7084- 112- 46-BDE
WA1TRE 2448- 72- 34-AB
K1TOL 17,220- 210- 82-A
W1PLX 2548- 91- 28-B
WA1TDA (+ K1UTI, WA1OCC)
960- 49- 20-AB

New Hampshire

AF1T 46,052- 312-116-ABCD
W1EJ 32,292- 272- 92-ABCD
AJ1J 16,616- 219- 67-ABCD
KA1BJ 3915- 133- 27-BD
WA1GDR 760- 38- 20-AB
WA1NIE 275- 25- 11-A
K1GW 1005- 67- 15-B

Rhode Island

K1DS 231- 21- 11-AB

Vermont

WB1GQR 5760- 108- 45-BD
WA1WIF 558- 31- 18-A
WA1ZOJ 264- 24- 11-B
W1TKZ (K1s TK, UR, N1s ADY, CPE,
KA1IU, W1GCI, WA1ZLO, WB1s BUV, BUM,
WAZTIF, VE3CGL, opns.) 253,700- 940-215-ABCD
K1LPS (+ W1AIM)
38,478- 305-106-ABCD

Western Massachusetts

W1RIL 26,768- 358- 56-BDE
K1ISW 11,918- 161- 59-ABCD
WA1MBA 11,500- 178- 46-BDE
KA1KRF 10,229- 185- 53-ABD
K1BE 2622- 50- 23-ABD
WA3EEC 480- 30- 16-AB
W1NMQ 462- 33- 14-ABCD
K1JG 208- 16- 13-AB
WB1DOH 170- 17- 10-AB
W1AX 1185- 79- 15-B
W2SZ1 (AG1M, K1DH, K1SN, K1JK,

KA1DZV, WA1UGE, WB1s EYL, HIH, K2TR,
NF2B, N2BNY, W2ARQ, KA2QHF, WA2s
AAU, SCA, SPL, WB2s KMY, PKO, AKAL,
N4CD, WA8USA, opns.) 507,187-1352-277-ABCD
K1TR (+ K1s BA, EA, WI1MJ, K3WM, KV1J,
KV1E, KA5CEB, WA1s MZC, PBU, VFJ,
N1BEM, N1AFQ) 290,958-1386-213-ABCD
W1NY (KA1s APR, KBN, KPH, MCA, ACIT,
W1KK, WA1RWU, opns.) 145,147- 714-173-ABCD

2

Eastern New York

K2CBA (WB2DNE, opns.) 90,138- 458-166-ABCD
N2BJ 83,683- 507-127-ABCD
K2EK 80,652- 529-132-ABD
W1XX/2 78,470- 509-133-ABCD
WAZTEO 76,538- 444-142-ABCD
W2CRS 50,630- 289-122-ABCD
WAZRUW 2132- 66- 26-BC
WB2NDE 3168- 88- 36-A
K2QE 5852- 154- 38-B
W2YJO 816- 51- 16-B
KD2IX 600- 50- 12-B
AB2I (+ AB2J, W2AWX, W2JFB, WA2IID,
WB2DVV, K2VNV) 43,500- 427- 87-ABCD
W3MR/2 (+ K3DI, K1KW, K3VYJ) 38,640- 381- 92-ABCD
K2XR/2 (KT2B, WB2WIK, opns.) 3540- 79- 20-DE

NYC & Long Island

K2OVS 10,948- 150- 68-ABD
KA2VKO 1104- 69- 16-B
KC2GI 525- 35- 15-B

Northern New Jersey

WA2FGK (K2LNS, opns.) 104,228- 534-142-ABCD
K2CPX 92,340- 436-162-ABCD
WB2INB 29,820- 302- 84-ABCD
W2VC 9640- 113- 40-DE
KA2HZA 119- 13- 7-BC
WA2CWA 9042- 137- 66-A
WB2QQQ 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 (+ N2EOC, KT3U, N2CEI, WB2WLM,
WB2ULI) 201,390- 788-210-ABCD
K2QGE (+ WB2PSD, AK2F) 104,807- 268-311-BCD

K2NJ (+ K2s PM, TKN, KA2s WFO, KBX,
OEG, RWL, RHL, OEE, KB2HZ, KC2ZA,
KD2EL, KQ2O, KU2C, KY2O, KY2W, N2s
FFB, EKH, NB2P, NE2P, W2s PSB, GW,
WA2RMZ, WA8PSQ, WB2s EPW, ZPH, NQV,
WB5ASP) 110,292- 612-156-ABCD
K2DEL (N2s AAM, DXP, FHC, K2s LME,
AQQ, KA2TGY, NJ2Y, NC2R, WA2s VKH,
CRF, DNU, WA1PDK, WB2s AHG, NTP,
opns.) 84,105- 499-135-ABCD
WA2SNA (K2BJC, KA2s NDZ, OVK, VLP,
N2s AAZ, CJJ, W2s DZ, RS, WCE, WB2RFB,
opns.) 80,509- 434-143-ABCD
N2WM (+ N2s ERH, EWW, CJO, GJS,
WA3WUD) 77,178- 538-114-ABCD

Southern New Jersey

K2TXB 37,980- 486- 73-BE
K3GYS 35,867- 298- 87-ABCD
W2EIF 17,355- 168- 65-ABCD
N2AHN 7733- 177- 37-BD
KS2T 3618- 67- 27-CD
WA2ONK 5292- 198- 27-B
WB2EYX 969- 51- 19-B
N3AHF 660- 33- 20-B
K2BWR (+ K2ZRJ) 50,846- 274-138-ABCD

Western New York

W9IP/2 101,985- 450-195-ABCD
WB2KIW 31,860- 248-118-ABD
K2LZF 22,540- 181-115-ABC
WA2BPE 20,651- 193-107-AB
K2LGJ 11,245- 126- 65-BD
KU2A 3476- 62- 44-ABD

K2QR 2580- 43- 30-CD
WA2MSA 2412- 67- 36-AB
WA2CBU 2178- 84- 38-BD
K2LWR 30,954- 402- 77-B
N2AW 1716- 66- 26-B
W2AWF 1152- 48- 24-B
N2WK (+ KA2s HSK, MRP, PXZ, KX2J, WA2s
LAQ, MOP, SHN, WB2MKN) 60,897- 326-159-ABCD
WB2ELB (+ KA1YE) 50,922- 338-138-ABCD
WA2AAZ (WA2YH, WB2JSB, N2s COJ,
CSY, DIT, K2OEQ, KA2s UXM, UXN, YGS,
opns.) 35,192- 302-106-ABD
WA2YTM (+ KW2T, NA2O) 1218- 28- 21-CDEF

3

Delaware

KB3QM 89,355- 459-161-ABCD
K3SXA 8281- 127- 49-ABCD
WB3ILM 2148- 58- 37-AB
AC3T 1586- 87- 36-AB
KB3PD 2047- 89- 23-B
W3BDP 810- 54- 15-B

Eastern Pennsylvania

AA2Z 172,830- 627-210-ABCD
WB3JOY 71,022- 432-133-ABCD
K3HP 63,765- 455-109-ABCD
K3IWK 17,500- 240- 70-ABD
N3BB 9250- 161- 75-ABD
WA3WBU 8464- 151- 46-BD
WA3JUF 5445- 67- 33-BCDEF
W3CL 3996- 82- 36-ABCD
W3GF 759- 33- 23-AB
N3DQZ/3 6816- 142- 48-A
KQ3C 4752- 144- 33-B
AK3M 2024- 88- 23-B
K3MTK (AA3M, KC3QG, KF3D, KM3T, KT3M,
N3s EWC, AAX, W3GPY, WA3s VVG, PUL,
LBI, WAK, KPP, TUL, VUN, IAO, KMR, IJZ,
WB3s ESS, ESQ, YEH, opns.) 528,462-1250-308-ABCD
K3YTL (KA3EEO, KB3QI, K3MKZ, N3CXB,
WB3s FAA, CAI, FYT, FKQ, WA3s JWP,
YON, opns.) 501,320-1228-302-ABCD
W3AD (K3HEC, N3BNA, WA3HMK, WB2OOB,
opns.) 150,699- 698-191-ABD
W3LP (WA3CUQ, W3GFN, W3JUZ, opns.) 16,767- 188- 69-ABCD

Maryland-DC

W3IP 58,548- 344-119-ABCD
K3ZO 51,840- 406-128-AB
W3WFM 51,783- 357-123-ABDE
K3AKR 20,880- 195- 87-ABCD
WA3UTE 7326- 159- 39-BD
W3OTC 4182- 81- 51-AD
WA3GYW 1150- 50- 23-AB
W3IFM 10,290- 147- 70-A
K3NXX 7474- 202- 37-A
K3TC 8398- 221- 38-B
N3AM 4814- 166- 29-B
N3AVA 1224- 72- 17-B
N3UDE 637- 49- 13-B
K3ONW (+ WB3LJK) 61,814- 386-126-ABCD
W3PGA (KA3CUW, WA3LAW, WA3HZJ,
W3VRD, WB3KUH, opns.) 7852- 137- 52-ABD

Western Pennsylvania

WA3FYJ 80,088- 345-188-ABCD
WA3TTS 11,928- 208-121-ABD
W3HOD 7062- 107- 66-A
W3KJM 1989- 51- 39-A
KA3KZF 2607- 79- 33-B
WB3EUM 1274- 49- 26-B
W3GMR/3 (+ KA3AWL, WA3JBV, KA3DWR,
WA3FFC, WA3BUX) 102,616- 409-202-ABCD
K2SPO/3 (+ AF2K, KQ2F, KS2Z, KA2APP) 14,615- 154- 79-ABCD

4

Alabama

K4AP 44,420- 251-140-ABCD
WA4CQG 8496- 107- 72-ABCD
WB4GFO 542- 118- 46-AB
KA4BLN 3157- 68- 41-ABD
WA4YUG 45- 9- 5-B

Georgia

N4JK 10,412- 127- 76-ABD
W3EP/4 3773- 77- 49-AB
K4KAZ 629- 30- 17-ABCD
KA4KFF 400- 24- 16-ABC
WB4VXE 100- 10- 10-A

Kentucky

KC4EG 80,325- 347-175-ABCD
WB4NXY 59,584- 286-152-ABDE
N4EQT 44,162- 269-142-ABD
N4KCM 12,282- 138- 89-AB
N4FFO 1248- 39- 32-A
N4AR 28,017- 283- 99-B
AA4FQ 7021- 119- 59-B

North Carolina

N2CJP 4940- 89- 52-ABD
NT4T 2530- 55- 46-A
KA4NMA 325- 25- 13-B
N4DT (+ AA4S, AJ4N, KA4DI, KJ4BF,
KJ4X, WQ4V) 316,820- 889-292-ABCD
N4HSM (+ N3AHI, K4MSK, WA4s OYH, FVT,
WB4s NMA, SLM, TQD, GYV, WD4s MBK,
ITS, JQV, W4VHH, W54F) 273,612- 756-302-ABCD
W4CQ (+ K4COG, WB4ETF, WB4MCI,
WA4TIJ, WD4LGN, W4PFM, WB4BQG,
KA4AVL, KB4NLM) 11,514- 179- 57-ABD

Northern Florida

W5HUQ 34,844- 255-124-ABD
W4ODW 26,429- 205-107-ABCD
WB4BSZ 6136- 96- 62-ABD
KL7JGI/W4 3502- 70- 34-BDE
WB4JW 4704- 96- 49-A
WB4NJA 1802- 53- 34-A
AA4NA 378- 21- 9-D
W2LRJ 16- 4- 2-D

South Carolina

W2CUK 1085- 35- 31-A
NB4S 1300- 52- 25-B
KA4WNX 9- 3- 3-B
K4YTZ (+ W1WWW, N4DOC, KB4MX, KC4ZJ,
KD4RH, AA4AM, KA4s KXM, YUK, WA4s
DZG, QQG) 2635- 85- 31-AB
WD4EOG (+ WA1MKE, W4AQOT, KB4HQK)
1500- 46- 30-ABD

Southern Florida

KC3CL 46,898- 325-131-ABCD
W3ZR 46,844- 333-138-ABC
WD4MGB 23,320- 220-106-AB
W1WLE/4 11,109- 161- 69-AB
KB4CRT 10,840- 134- 70-ABD
W4WSR 1880- 66- 20-BDE
K4DZP 1496- 66- 17-BCDE
WD4AHZ 1134- 46- 18-BD
W4OO 27,359- 251-109-A
K4MG 4187- 79- 53-A
KB4ABT 484- 22- 22-A
N4EJW (+ N4EJV) 63,325- 408-149-ABD
KA4ULJ/4 (+ K2RTH) 52,130- 401-130-AB

Tennessee

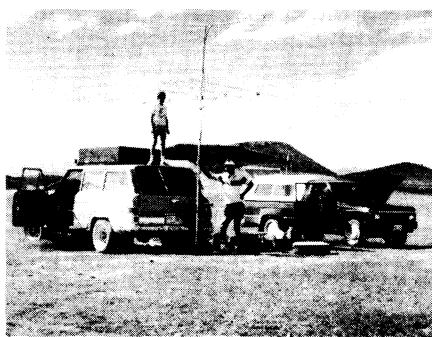
WB4JGG 35,244- 267-132-AB
N4MM 14,469- 130- 91-ABDF
WB4CTW 9174- 130- 68-ABCD
WA4QYK 4108- 74- 52-ABC
W4FLW 1610- 48- 35-AB
W4ZGS/4 924- 33- 28-AB
N5AYD 2964- 78- 38-B
K1AUJ 2788- 41- 34-D
N4VC (+ WD4GFG, WB4KNF) 96,468- 400-206-ABCD
WA4LT/4 (+ WB4NJG, WB7ECS, KA4VEY) 72,962- 335-182-ABD
KB4MSC/KT (+ W5US) 6096- 127- 48-AB

Virginia

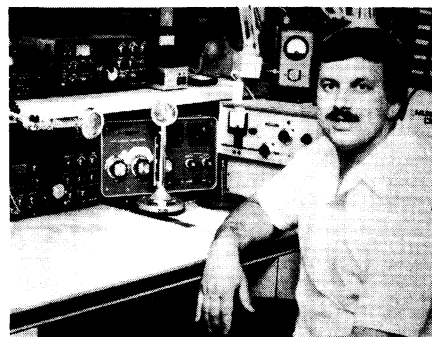
K2UOP/4 50,566- 302-131-ABCD
N4MM 49,345- 318-139-ABD
W3YI/4 41,910- 197- 85-ABCD
K4LHB 35,420- 257-115-ABCD
WD4QXN 10,585- 130- 65-ABD
K4JSI 9120- 123- 57-ABCD
N4RA 8046- 111- 54-ABCD
K4QIF 6468- 96- 42-BDE
WB4SBC 4822- 63- 46-ABCD
WAKMS 1550- 50- 31-AB
K3ZJA 1476- 62- 16-B



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.



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

KB4CMF 802-43-14-B
WA4MMP 1-1-1-B
AB4L (+ KA4NZO, KB4s NT, XK, KF4JT, N4LMQ, W4AAH, W4As IVF, KCO, PGI, WB4s WTC, YJC, WD4s BWL, DUT, DUU) 291,460-816-295-ABCD
W4BFB (K4TP, WA4VCC, AA4ZZ, KA4WYC, KD4IL, KS4S, KU4V, oprs.) 112,054-534-179-ABCD
N4HB (+ WB4BYV) 31,351-290-107-ABD

5

Arkansas

K5YY 40,424-255-124-BD
W5JAR 12,168-151-78-ABD
NR5A 4420-82-55-AB
W5SUS 12,141-171-71-B
N4FAC5 (+ WB4LHD, WD4JHD, W5BSHS, WA5UMP) 95,274-405-201-ABCD

Louisiana

KB5PX 23,968-176-112-ABCD
WA5UFH 10,296-139-72-ABD
W5UKQ 3240-55-36-BD
WD5BJT 682-31-22-A
W5FYZ 4600-100-46-B
W5YDE 2414-71-34-B
N5BHO (+ W5EW, W5NAA) 50,662-302-146-ABCD
W5UK (WA5WJZ, W5SLI, K5AQY, W5SNHX, N5BLW, KA5WJE, oprs.) 1326-52-30-AB
KA5VNX (+ KC5WA) 360-20-9-B

Mississippi

W5RCI 36,549-196-131-ABCD
N4JS/5 17,860-174-95-ABCD
WA5WS 1612-52-31-AB
NE5L 192-16-12-A

New Mexico

W5FF 7194-108-66-ABD
KA5EBL 1750-50-35-AB
K5MAT 1064-51-14-BCD
W5RKS 256-25-8-ABD
K3LJ5 3440-80-43-A
W5SAOX 208-16-13-B

Northern Texas

KE5EP 46,440-276-129-ABDE
WA5VJB 22,960-179-80-ABCEDEF
KD5RO 16,170-169-77-ABDE
K5IS 12,528-135-87-ABCD
N5GRK 5772-115-37-BD
W5SKYK 1440-44-24-ABD
N5J5 27-9-3-B
W5SKTC (+ AD5I) 15,168-184-79-ABD

Oklahoma

WA5WCP 71,484-210-111-ABCD
W5NZS 37,180-208-130-ABCEDEF
AB5T 11,375-155-65-BD
N5TM 10,050-112-67-BD
W5SDSH 12,284-148-83-A
KA5TVF 1-1-1-B

Southern Texas

W5SRUS 20,739-198-93-ABDE
W5SAFY 7425-75-45-DE
KC5GB 5900-111-50-ABD
WA5IYX 224-16-14-AB
N5BA 4680-120-39-B
N5FXQ 96-16-6-B

6

East Bay

NA5MG 19,529-195-69-ABCD

N6EIO 9417-172-43-ABCD
WA6LHD 4795-111-35-BCD
KN5S 1224-51-24-A
WE6G 87-29-3-B
KB6SD (+ KD6QE) 4988-216-23-B

Los Angeles

W6CPL 7680-191-30-BD
W6FCFS 6641-169-29-BD
N6VI 1358-79-14-BD
W6PFE 6-2-2-BD
KB6CYB 690-34-20-A
W6NXX 140-14-5-C
N6CA 828-23-12-E
W6UE (AE6E, N6ENU, WA6OTU, WA6PZL, oprs.) 61,752-385-124-ABCD
WB6AAG (+ WA6ANL, WA6FWI, N6JJI) 27,887-273-79-ABCD
KB6PC (+ WA6HXD, WB6s AXE, YVP, NA2D, 9905-208-35-ABCD
WA6SFM (KB6CGI, N6AOK, WA6FSF, WB6JJE, oprs.) 1440-46-24-ABD

Orange

K6PFW 3648-118-24-ABCD
KB6XG 2024-50-23-ABCD
KB6BY 1408-40-22-ABCD
WA6SNN 957-67-11-BD
KB6HE 180-16-10-A
WA6GFR 75-15-5-B
KA6AMD 4-2-2-B
WB6AJZ6 (+ WD6HRO) 4200-99-24-BD

Santa Barbara

W6BCN 2343-61-33-ABD
K6MEP (K6VMN, N6s HBI, JH, KH6N, WA6s DJS, FXP, oprs.) 31,557-317-67-ABCEDEF
N6LFI (+ WA6OYS, WB6YON, KA6JOE) 21,546-273-57-BCDEFI
WA6IJZ (+ KA6VVD) 1920-99-16-ABD

Santa Clara Valley

W6RXQ 25,875-284-69-ABCD
K6HCP 17,712-179-72-ABCD
WA6QAK 15,022-165-58-ABCD
KA6ING 5248-155-32-ABD
K6BDK 1320-53-24-ABD
K9TGT/6 1152-52-18-ABD
A6A/6 308-38-7-BC
K6KLY 2108-68-31-A
W6MGZ 2024-88-23-B
K6XO 240-48-5-B
K6UQH 675-25-9-E
KF6GL (+ AA6AD, W6QAJ) 10,266-136-59-ABCD

San Diego

N6DG 6878-133-38-ABCD
WA5BNH 6438-161-29-BCD

San Francisco

N6GLI 8541-144-39-ABCEDEF
WA6LLY 1972-57-29-ABD
W6SFH 232-22-8-BD
WB6UPV 132-22-6-B

San Joaquin Valley

N6SE/6 18,005-199-65-ABCD
WB6KLL 2108-68-31-AB
WA6SLF 198-18-11-BC
KE6NS (+ W6YKM, KF6GY) 46,070-401-85-ABCD
WB6WLE (+ N6FF, WA6QYS) 11,834-160-61-ABCD

Sacramento Valley

KE6ZE 6840-142-38-ABCD
WB6VYH 464-29-16-A
WA6OSX 168-21-8-A
WA6PTT (+ WA6s IKE, ZNM) 34,104-194-58-ABCD

7

Arizona

K2DNR 3502-84-34-ABCD
WB7OHF 756-27-14-A
KC6W/7 45-9-5-B
WA7JTM (+ WA7s CJO, LYI, K7PRS) 33,220-267-110-ABD
W7DTL7 (+ W7LHA, KD7DR, WA7KUM, WB7BLF, WB7RZZ) 15,730-202-65-ABCD

Idaho

W7ID 2145-61-33-ABD
KD7IY 1316-44-28-ABD
W7CJV 140-18-7-ABC
WA6DYU 1222-47-26-B
KA7KGF 112-14-8-B
N7EIJ (+ KA7PIE) 1925-55-35-ABD

Montana

W7HAA 1568-46-32-ABD

Nevada

K6LM/7 4323-98-33-ABCD
K7JCK 4240-80-53-AB
K7ZOK 1880-52-30-ABDE
W7KYT 700-30-20-ABD
W7ABX 532-19-14-A
N7BPA (+ KB7BZ, WA6YPL) 7676-127-42-ABCD

Oregon

WA7BJU 6588-134-38-ABCEDEF
W7TYR 4887-113-27-ABCEDEFGHI
N7DB 4323-111-33-ABCD
K7HSJ 3297-105-21-ABCD
W7PUA 3120-85-24-BCDEI
W7JXU 912-59-12-ABD
WB7JUNU 550-29-10-ABCEDEFGHI
WA7IQH 300-26-10-ABD
WA7ECY 180-36-10-AB
WA3RMX 100-5-5-FGHJK
K6VIZ 60-10-3-D
K7AUO (WA3RMX, WB6BGV, K7RUN, W7s BKN, UDM, VOK, oprs.) 21,065-263-55-ABCEDEFGHIJK
KB7WW (+ W7HR, WB7DID) 19,888-231-66-ABCD
KE7P (+ N7CNH, WA7s TDU, TDZ) 5336-108-46-ABCD

Utah

WA4GPM 180-20-9-AB
K6PVS/7 (+ W6OUU, WD6AUP, K6HXW, N6CFQ) 5735-114-37-ABCEDEI

Washington

WB7UUP 7425-174-33-ABCEDEF
N7FX 6396-143-39-ABD
W7FN 6258-128-42-ABCD
K7IDX/7 2257-200-19-AB
N7BSN 1659-64-21-ABCD
WA7PVE 48-16-3-AB
N7FXQ 1233-137-9-B
WA7VHW 464-29-16-B
KB7LQ 364-52-7-B
WB7ATP 144-18-8-B
KA7LUV 30-10-3-B

Wyoming

WBET/7 18,169-233-100-AB
WA7LEA 1071-36-17-ABDE
WA7KYM (+ W6s KJY, SII) 14,904-168-72-ABCD

8

Michigan

KU6P 25,630-208-110-ABD
WB6JRP 17,535-153-105-ABD
WD6KLU 5742-85-58-ABD
KB6JI 4760-75-56-ABD
NE6I 1890-47-27-ABCD
N6BMM 1127-41-23-BD
KM6U 9348-164-57-B
N6CKH 8400-150-56-B
WB6OOA 4320-108-40-B
WB6BK (+ WB6s KAY, TGY, WA6s VPD, HTL) 274,480-743-292-ABCD

Ohio

W8ULC 138,180-510-235-ABCD
N8IO 37,800-234-120-BD
K8TL 21,462-164-96-8DE
WD8CTX 13,765-223-134-ABD
N8BJN 6710-112-55-BD
N8BTC 4608-90-4-AD
N8CCC 666-35-18-ABD
W8LLJ 782-34-23-A
W8NJR 4293-81-53-B
W8HBG 2720-80-34-B
K8LMN 2201-71-31-B
K8MR 169-21-9-B
W8VP (K8s AL, IOX, KNL, KA2IQ, KA8WJE, N8s CQX, FXL, W5UA, WA8FHF, WB8s DQE, ERB, WB8YJZ, WD8SDH, oprs.) 357,445-834-335-ABCD
WD8ISK (N8s BPS, ECH, ASZ, KC8RD, W8VNE, WA8s OGS, ONQ, WA3OJX, WB8ZCC, oprs.) 300,510-784-318-ABCEDEI
K8CQA (+ WB8s JAY, TEI) 31,388-193-133-ABD
KC8TW (+ N8XX) 682-31-22-B

West Virginia

N8FCJ 81,169-482-157-ABD
W8LSC 10,508-115-74-ABD
WB8DRR 6681-131-51-B
K3LNZ/8 (+ K3s DUA, ICH, W3ZZ, WA3s EOQ, OYW, NZL, W4PSJ) 227,088-765-249-ABCD
N8DKL (N8BZS, N8FWL, KC8IT, oprs.) 37,089-317-117-AB

9

Illinois

N9FF 23,250-263-75-ABCD
WB9WMM 20,801-189-109-ABD
K9RO 14,006-142-94-AC
KA9MGR 5220-81-58-AC
WD9IH 3713-68-47-ABD
KA9IK 656-34-16-BD
KA9CLP 351-32-9-BC
N9AQ 2940-70-42-B
WB9POO 2618-77-34-B
K9BQL 741-39-19-B
KA9OYA 99-11-9-B
N9HH 3360-48-35-C
K9RG 2668-46-20-D
W9UD/9 (+ K9s AKS, CHZ, W9OHU, WD9FSA, AK9F, AE9M, WB9MSU, WB9QPI) 297,920-765-320-ABCD
K9HMB (+ K9s GL, NO, PW, VV, WB9CAS, W9GTI, WD9IC, NA9D, KC9C, W9WI, KA9CJG, WB4VVO) 260,496-806-268-ABCD
AA9D (+ N9s KC, BD, AZZ, EDT, KA9s CKI, JYI) 122,859-448-219-ABCD

Indiana

KA8MR/9 51,188-319-134-ABCD
KA8HPK 37,845-198-145-ABCD
K9DZS 19,891-160-97-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 3630- 55- 33-D
 W9CSF (WD9EIX, AG9S, N8BEY, WD9CTS,
 K9e DZE, URA, ET, KC9CP, KA9PGD,
 oprs.) 23,920- 201-104-ABCD
 W9YB (KA9CCR, KC9G, KS9J, WA1RHS,
 oprs.) 2952- 69- 41-ABC

Wisconsin

WA1IED 10,140- 125- 78-ABC
 WA9KVS 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 9- 3- 3-B
 N9DIJ 4- 2- 2-B
 WA9HCZ9 252- 14- 9-D
 WBUC9 (+ K9GJX)
 70,047- 373-181-ABD

8

Colorado

KAMMOA 23,268- 227- 84-ABCD
 KD8GT 17,920- 208- 80-ABD
 KD8GS 4620- 98- 33-ABCD
 KAMNNO 18,800- 200- 94-A
 N8BRI 8000- 125- 64-A
 WK8EA 1122- 68- 17-B
 WB9JR (+ KA9CDN, KC9D, ND2X, W80AL,
 KA9CZW, NK9P, K8EU)
 70,740- 436-135-ABCD

WBIA (KA8DXM, KA8OPT, W1XE, KR8U,
 oprs.) 16,524- 188- 81-ABCD

Iowa

K8DAS 13,859- 129- 87-ABCD
 WB8ZKG 12,544- 143- 88-AB
 WB8TEM 10,449- 103- 81-ABCD
 K8CQ 10,200- 111- 75-ABDE
 WB8RMT 10,005- 115- 87-AB
 W8RAP 1430- 30- 22-DE
 KA8CSI 8316- 128- 66-A
 WA8DCB 1728- 48- 36-A
 WB8WD 7980- 140- 57-B
 WA4VWV 770- 35- 22-B
 KA8GQA (+ NE8F)
 338- 28- 13-B

Kansas

N8LL 38,503- 277-139-AB
 W8RT 9230- 98- 71-ABD
 WA8CFQ 2014- 53- 38-AB
 K8VUA 3432- 78- 44-B
 N7AQX 294- 21- 14-B
 WB8DRL (+ WA8TKS, N8FUJ, N8UJ)
 130,298- 475-227-ABCD
 KF8M (+ KB8DW, WA8JF, N8KT)
 69,190- 342-170-ABCD

Minnesota

W8XG 69,906- 361-183-ABCD
 AD8S 6441- 113- 57-A

Missouri

K8TLM 93,955- 367-215-ABCD
 WA8NOK 37,120- 215-145-ABCD
 WB9Y 28,084- 205-118-ABD
 K8GOB 7975- 98- 55-ABCD
 WB8PP 1770- 46- 30-BD

AK8M 3483- 81- 43-B
 WB8SIL8 (+ N8ZZ, KC8PP, WA8NRB)
 50,126- 285-142-ABD

Nebraska

N8AJU 23,760- 220-108-AB
 K8US 17,278- 148-106-ABD
 WB8YZN 7957- 109- 73-AB
 KA8CRI 1848- 86- 28-AB
 WD8BQM 1188- 43- 22-ABD
 W8KAV 322- 23- 14-A
 K8NG (+ KA8ABA, KC8OG, N8BTN, KC8QR,
 KA8JGH, WB8DGF, N8US, WB8HXY,
 WD8CKF, WD8APP)
 39,200- 247-140-ABCD

South Dakota

WB8ULX 306- 18- 17-A

VE

Maritime-Newfoundland

VE1AHM 135- 12- 9-BD

Quebec

VE2FUT 11,176- 135- 76-ABCE
 VE2TH 4185- 93- 45-A
 VE2YB 396- 22- 18-A
 VE2ASL2 230- 23- 10-B

Ontario

VE3ASO 68,058- 327-171-ABCD
 VE3FGU 48,248- 312-154-AB
 VE3BFM 44,888- 243-133-ABCD
 VE3EYR 20,301- 126-101-ABCD
 VE3FN 7830- 114- 58-BD
 VE3BYO 5040- 98- 42-BD
 VE3BTW3 3220- 84- 35-ABC

VE3GCE 3024- 64- 36-BD
 VE3AL 210- 21- 10-AB
 VE3OE 1134- 63- 18-B
 VE3JOT 119- 17- 7-B
 VE3CIE 442- 34- 13-B
 VE3ONT (VE3s ABG, CDX, CRU, DSS,
 oprs.) 172,437- 625-229-ABCD
 VE3LNX (+ VE3s ADJ, NSQ, OCX)
 182,132- 587-229-ABCD
 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

Europe

DL9KR 2- 1- 1-D

Check Logs

K1KJ, K8JQA

