

Results, Sixth Annual ARRL 10-Meter Contest

10-Fourever

By Tom Frenaye,* K1KI and Bill Jennings,** K1WJ

Why does this contest continue to grow in popularity? One reason surely has to be that with the increased solar activity, 10 is "open" longer to those areas of the world not usually heard in years of the sunspot minimums.

Probably a much more fundamental reason for the increased interest in 10-meter contesting and 10-meter operating in general is the "Walter Mitty" who lives in all of us. How many of us acquire our hf transceivers specifically for the 10-meter capabilities? Not many. Mostly we get our gear to work DX on 20 meters, handle traffic on 80 meters, or keep in touch with friends on 40. All well and good. Then comes that time, between skeds, or just after failing to get on the list for the DX station, when we decide to turn the bandswitch down to that "unused" portion of our band allocation above 28 MHz. A little bit of listening and we know that we've found a home.

Right here on 10 meters we can sample some of those exotic modes of propagation that the avid vhf ops make an art of utilizing: scatter, backscatter, and so on. We find that the old-time ops were correct; you can "work the world when 10 is open using 10 watts of power and a wet string for an aerial." In fact, the "average" station, running 200 or so watts to a small beam antenna at 40 or so feet does not give all that much away to one of those giant kilowatt stations, with multi-beam arrays at staggering heights, that dominate 20 and 15 meters. Fact. The operator of the "average" station can grab and hold his share of the 10-meter band during a contest and experience QSO rates pretty near those of the operators of the "super" stations.

So, here we are on 10 meters, able to play some of the games of the prominent vhfers, able to "compete" in the "pileups" and contests with the big kilowatt, megabuck stations, or just be able to find enough space in the vastness of the 10-meter band to casually QSO with whomever we choose. Imagine, all this is possible for the owner of the average station with 10-meter capabilities. That's the name of the game in Amateur Radio — something for everyone and fun for all. In this respect 10 meters fills the bill.

"Walter Mitty" is content.

Of the 1450 logs received for this contest, 1040 were from the U.S. or Canada and 410 from DX stations, a 14 percent increase in

domestic entries and a 225 percent increase in DX entries over the 1977 totals. Anyone who played both the 1978 and 1977 contests can attest to the better band conditions and higher scores of the 1978 contest. This increase is quite noticeable especially in checking the DX entries. In 1977 the top-scoring JA log had just a shade over 180 QSOs and 28 multipliers while the number one Japanese log in 1978 had almost 1200 QSOs and 102 multipliers. Half a world away, the best European entry had slightly over 50,000 points in 1977, while the top European entrant in 1978 scored well over 366 kilopoints. It is safe to say that the entries from the rest of the world followed the upward trend of the JA/European entries just mentioned.

If you are a certificate hunter, the 10-Meter Contest is where the action was. You could have worked (as many entrants did) all 50 United States, all Canadian Provinces, all continents. And there were at least 103 different countries that were on the air during the contest and found in the logs of various entries (U.S., Canadian and DX).

The contest couldn't have been at a better time, propagation-wise, this (last) year. For the first time in this sunspot cycle the solar flux edged above the 200 mark, reaching 211 on the second day. Coupled with that was a minimum in the magnetic index. Together they produced excellent propagation from just before sunrise until a couple of hours after sunset.

A couple of interesting comparisons can be made which may help you in your strategy in the next contest. The far West (CA, OR, WA, BC) was able to work into Japan for four hours on Saturday afternoon, while East Coast stations had a much more limited time period, giving about 30 minutes to those in Maine and about two hours in Ohio. The JA opening began at 2145Z (sunrise in Japan) and within 30 minutes all of the U.S. and Canada (except VE1) could have snagged one. The opening ended about an hour and a half after local sunset — 2230Z in Maine, 0215Z in the far West.

The opening to the east was a little different. Those in extreme eastern Canada (VE1/VO1) began to work Europeans almost an hour and a half before sunrise, the W1, W2, W3 and eastern W4 crowd began to work Europeans about an hour before sunrise, and the rest had to wait until sunrise to catch them. This meant an exceptionally long opening for those in the far eastern U.S. and Canada. Sunset in western Europe is at about 1600Z and by 1730 the band had closed for everyone. The VE7s worked no Europeans, Texas had a four-hour opening and the VE1s had seven hours.

So if you missed out on the openings, you need to learn sunset and sunrise times. Find yourself a table from an almanac or astronomy book. If you have a small station, you may not be able to make it at the beginning and end of the opening but halfway through it you should

Division Leaders

Single Operator	Division	Multioperator	Score
W3RJ	Atlantic	K3EST	358,924
K9HMB	Central	W9ZRX	411,184
WØSD	Dakota	KØSR	212,200
N4ZZ	Delta	N5AN	266,430
W8FF	Great Lakes	AA8U	486,288
W2YV	Hudson	N2OL	100,580
KØSCM	Midwest	WØGM	213,636
K1VTM	New England	WB1HIX	394,750
W7EJ	Northwestern	N7AMZ	167,904
A16V	Pacific	WA7GNK	318,768
W4DR	Roanoke	K4VX	396,804
W5JW	Rocky Mountain	KØRF	602,400
WN4KKN	Southeastern	N4WW	268,478
N7DD	Southwestern	W6VLD	432,648
K5RC	West Gulf	N5FF	214,632
VE6WQ	Canadian	VE1DXA	680,720

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find some workable stations.

From the hodgepodge department, a few kudos and some comments on this contest in general.

Congrats to WD4AHZ, WA1YWW, WD9DVO, KP4CGB, KA9AOD, WD0GXR, WD0AZA, WB1DED, WD9IFW and WD6CKT, for turning in the top single-operator Novice scores. Same to WB1DMM, WB0TGA, and N2AOK for taking high honors in the single-operator Technician category.

Certificates will be awarded per the contest announcement in the November 1978 issue of *QST*. If you have an award coming, look for it after the 15th of the month in which this report appears in print. Good luck.

SOAPBOX

Besides the QRAnswering, QRLost 'im, QRDeafness, QRZlitch again, and QRTerminated tired, I enjoyed yet another 10-Meter Contest. No problems arose in the contest other than the peanut butter that gummed up the VFO and the folks sending out a search party for me. Hi! But once again I emerged with that feeling of satisfaction for having been part of the QRMurder. After five days of incessant thoughts of diddy dah dah diddy, finally, herewith my entry (WB9JKI). Lacked the Es condx of last year, so missed a lot of the states that I couldn't get on backscatter (WA5IYX). When 4 watts and a mini-quad can make over 100 QSOs in 63 sections in a contest, you know that condx had to be good. I had worked 49 states with my little Argonaut some time ago and when I snagged Alaska during this contest, it not only made my 50th state (running 5 watts or less), but my 90th country running the same power. I guess the biggest thrill was slipping up into the phone band and snagging EL2T right out from under a bunch of the higher power stations who were piling up on him (W1PKW). Due to a recent change in address, I was only using a simple mobile whip antenna, which was hung out my window at the 5th-floor level (F6BEE). There should be more incentive to use cw. Why should I go 60/hr on cw when I can go 160/hr on ssb? Cw should get two - three times the points/QSO (G5CMX/N8ET). About five hours into the contest, I blew up the plate xformer in my homebrew 3-500Z amp. Guess what? It apparently wasn't needed as the contacts kept coming my way with good reports! Who needs high power? (K1CZ). Operating in a contest using 20 watts input, a high SWR, and a strep throat isn't impossible, just very hard (WB1CPW). My biggest thrill was working more stations during the first day of the contest than I had made total in nine months of Novice operation. Hi! (WB0YUI). First DX QSO was with "Lamar University" 1BR. LU1BR for those who can't figure it out. Hi! (W5PXZ — Lamar University Club Station). Worked GUSCIA for my 100th country. A fun contest (WD8RIN). I would like to see the 10-Meter Contest period rolled back to 36 hours. The extra evening is just too much of a drain on other activities, especially with major contests on five of the preceding six weekends. Those of us who go out for SS and CQWW get in enough trouble at home as it is... or how about moving the contest to February, since that month is now open? (W0UC). Good DX available if you lis-

QSO Leaders

Single Operator

Call	No. of QSOs
KP4RF	3033
N7DD	2659
VE6WQ	2646
K1VTM	2564
W3RJ	2422
W7EJ	2381
KL7IRT	2364
N7ZZ	2337
W6RR/7	2335
KH6WF	2318

Multioperator	
VE1DXA	2540
K0RF	2503

Multiplier Leaders

Single Operator

Call	No. of Multipliers
K9EGA	141
KP4RF	141
W3RJ	140
K9HMB	134
W2YV	134
K1UO	132
W9RE	132
K1VTM	131
WA3FET	129
WA1TFF	128

Multioperator	
VE1DXA	134
AA8U	132

Top Ten — Single Operator

U.S./VE

DX

Call	Score	Call	Score
W3RJ	678,720	KP4RF	855,306
K1VTM	672,030	KP4KK	477,456
N7DD	648,796	KP4WI	471,752
K9HMB	584,508	KZ5JM	462,280
W2YV	536,804	KP4DSD	431,858
W9RE	534,864	JA1PIG/PZ	369,600
VE6WQ	523,908	G3FXB	366,758
K1UO	514,536	PJ2FR	303,710
W7EJ	509,534	G4BYB	293,944
N7ZZ	500,118	KP4EEH	289,920

Continental Leaders — Single Operator Stations

Continent	Call	Score
Africa	EL2AV	261,820
Asia	JR1JV	243,780
Europe	G3FXB	366,758
North America	KP4RF	855,306
Oceania	VK3IL	39,858
South America	JA1PIG/PZ	369,600

tended a lot. (N2AOK). Held the frequency using QRP! Thrill was working K1XA at 3 A.M. local time. No other scatter signals for two hours before or after that QSO. My QRP signal couldn't open up the band. (AL7Z/K6UMV). Perhaps the contest should be renamed the 10-Meter DX Contest during sunspot peaks (WB2AMU). At times on 10-meter cw, it sounded like RTTY (WB9VXZ/WD9GSO). Next year, I definitely go multiop. Single op is for the birds (WB4TKJ). Best condx ever in the Novice band. DX pileups both mornings (WA2IAU/N). Perhaps the contest period could be split up so that phone and cw parts are not on the same day. This would encourage people to do both modes (KA8AZN). It's not every day that you can work a ship at sea one minute and an airplane at 37,000 feet the next. Fantastic (N8ACQ). An itemized bill for 10-Meter Contest operation: (A) one dozen number 3 pencils — used, 4 at 64¢. (B) two six-packs of cola at \$2.78. (C) postage at 45¢. (D) one pound of coffee at \$2.49. (E) new antenna tuner at \$119. (F) YL grief and lost sleep at ?? See you next year (KA7AHK). I knew my vertical just wasn't enough. Decided that I needed the best antenna that I could muster. Came up with a dipole at 12 feet. It was enough to work those U stations (WA2SEL). Would love to see a 15-Meter Contest next year! (WB1CRH).

Great contest, but wouldn't it be nice if we got back to giving real reports instead of 59 to everybody (N4UH). Something needs to be corrected. Novices have very little to gain by entering this contest. Maybe we should increase the point value to such a figure that it would be possible to score well by working only Novices. I spent over two hours in the Novice band and only worked 14 stations. High power and beams are OK for Sweepstakes, but I feel that helping beginners is just as important (WB0UFB). Was I the only a-m station in the contest? (WB2GJD). It would be nice if the PA input power were limited to 200 W. Those "Super Growlers" are very loathsome on the band (W7DWJ).

FEEDBACK

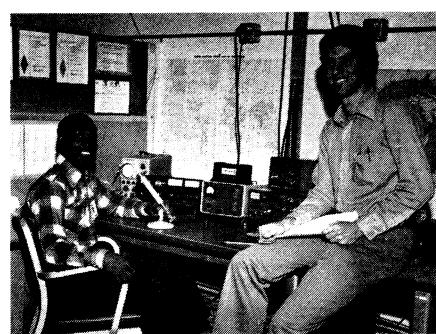
Please note the following changes to be made in the results of the 1977 10-Meter Contest found on page 73 of the June 1978 issue of *QST*.

In the Arizona Section, N7AK should have been listed as a multiop with N7RK as second op. This makes WA7BPF the single-operator Section Certificate winner for Arizona.

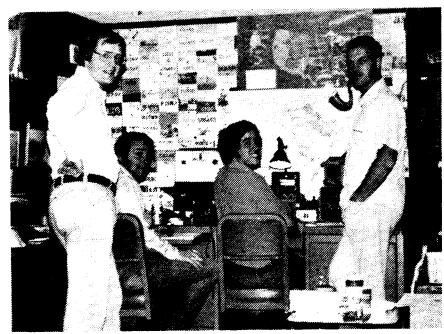
WB5OAD, operated by W5WMU, should have been listed as the Delta Division leader as well as the Louisiana Section winner.



Three of the five ops at N7CW. From left are K7BHM, K7JVR and N7CW. Missing in this photo are N4QS and W7JCW. Number one multiop station in AZ; number five multiop station in the U.S.; number six multiop station worldwide.



Mose (left), WA6EUM, club president and Ken (right), WA6DPQ, club vice president, contemplate their 10-Meter Contest entry at the club station of the McDonnell Douglas Radio Club, W6VLD, multioperator — Orange Section.



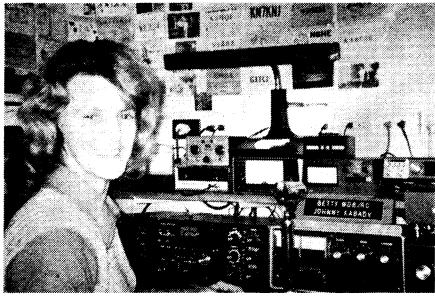
From the left: K0VBU, WB0LFY, WB0UZJ and K0RWL all of the K0RWL multiop from Missouri. K0RWL sez that the above are all that is left of four-dozen doughnuts, one pound of bacon ... 10 six-packs of beer and a vat of homemade vegetable soup. What contest?

Scores

Scores are listed by section within each U.S. call area, by Canadian call area, and by country alphabetically, according to prefix. The highest single-operator station in each ARRL section and country receives a certificate. The highest multiple-operator station in each section and country and the highest Novice score in each ARRL section receive certificates, if there are three or more entries listed in that classification or if, in the opinion of the Awards Committee, the entrant displayed exceptional effort. Read the listings (left to right): call, score, QSOs, multiplier, hours of operation.

DX

Northern New Jersey	W3FDP	76-622-372-103-24	WD4AVE	5250- 75- 35- 9	WB5HPG(+KA5BXU)	20,748- 266- 39-17	WA6VCE	51,750- 375- 69-25
WB7EME/2	212,568-1027-102-29	W3CGI	76-330- 449- 85-23	KA4EKA/N	2090- 32- 18-11	W6UQF	35,028- 276- 63-11	
WB2QY/T	189,544- 817-116-22	W3UJ	68-4510- 402- 86-16	WA4YOS	50- 5- 5- 7	K6GKU	28,842- 249- 57-15	
K2BK	159,396- 716-111-24	WA3ELE	68-432- 374- 91-31	NA4BP(+WB4UFF,NBRC)	265,216-11-177-112-25	W6ZT	23,986- 177- 67-15	
WB2WIK	124,692- 599-104-18	K3SA	65,824- 374- 88-11	KB4KJ(+WA4QKX,WB4DW)	104,328- 561- 92-29	WA6NEL	10,360- 140- 37- 2	
N2AF	77,687- 240- 94-16	WA3EEE	61,320- 355- 84-15	WA4KJF(+KD4KJF)	188,152- 807-116-28	K6NY	46,988- 66- 27- 7	
WB2LDN	60,360- 375- 80-35	W3HVM	56,980- 365- 77-18	WB4BIM(KB4FW,N4BQB)	104,328- 561- 92-29	WD6HCO(+WD6C2R)	53,424- 422- 63-22	
WA2VUY	51,772- 301- 86-22	WB3CD	48,506- 300- 79-23	WA4OUB(WB4FSZ,WB4HS)	68,890- 409- 83-27			
AE2A	48,300- 350- 69- 8	WB3OM	49,500- 300- 79-23	ops)				
WB2VVA	47,892- 300- 78-24	K3AHB	31,740- 230- 69-26	WB4BFS	18,720- 204- 45- 8	San Francisco		
WA2VUN	44,616- 338- 66-	W3M2G	30,940- 238- 65-19	WD5HTT/N	17,568- 139- 48-15	N6CT	394,402-2028- 97-	
WF2F	37,920- 240- 94-16	WA3EGT	18,560- 160- 58-15	KS6DEC	7680- 128- 30- 8	WB6FCR	90,432- 625- 72-27	
WB2FEP	29,436- 222- 66-15	N3AGH	12,500- 125- 50-13	WB4NDX	278,698-1170-119-30	AA6DX	59,220- 470- 63- 9	
N2BQ	28,892- 230- 62-15	N3OS	11,232- 116- 48-12	WB4BFS	164,936- 775-106-23	AF6F	53,400- 411- 60-15	
WA2YLA	17,020- 185- 46-20	WA3AXP	5,100- 327- 17- 4	N4NT(WA4BTK,opr)	214,632-1084- 99-20	N6QC	40,176- 324- 62-13	
WA2TJF	14,520- 155- 55-19	K3Z2	3,960- 82- 27- 4	WB4BFS	13,568- 104- 42- 7	K6JFY	13,750- 119- 40-15	
WD2AJJ	12,948- 166- 39-31	WB3FWD/T	3,000- 35- 30- 9	WD5HTT/N	17,568- 139- 48-15	N6KM	3,432- 60- 26-	
WA2TC	12,310- 132- 45- 7	K3AA	2,680- 67- 20- 5	KS6DEC	12,348- 147- 42- 7	WD6EEQ(Multip)	35,964- 333- 54- 8	
W2GNW	720- 89- 7	WB3FAF	2,184- 52- 21- 3	WB4NDX	278,698-1170-119-30	San Joaquin Valley		
WA2JHN/N	6844- 26- 27- 7	WB3MSN	1,760- 44- 20-	K5KZ(K5ZD,opr)	429,284-1819-118-34	A6AR	148,080- 880- 83-18	
WB3JON/N	5022- 67- 27-17	WB3BPU	1,170- 39- 15- 4	WB4MFS	42,760- 279- 76-13	WA6CTW	137,088- 865- 84-25	
WA2PQU	47,932- 90- 26- 7	WB3PE	48,200- 23- 15- 5	K4HVC	30,492- 242- 63-18	K6YK	85,624- 503- 77-16	
WB2GXT	4608- 48- 24-	WB3GWM	570- 19- 15- 5	WD4EPX	24,318- 193- 62-12	WB6AQJ	26,550- 225- 59-18	
WB2UTO	3960- 66- 30- 4	WA3ORU	480- 20- 12- 5	WB4OGG	18,600- 775- 60-21	K6DFFH	10,062- 153- 39-26	
WA2VSD	3,950- 25- 26- 9	WB3AXP	4,000- 15- 27- 4	WD4CFN	12,144- 138- 44- 12	K6A81M/N	2,160- 45- 24	
K2A2CO(+WB2KYE)	358,492-1463-122-36	K3EST(K3T3W,WA3ZAS,opr)	358,392-1463-122-36	K4BEX	2720- 62- 20- 9	WB6PGJ	1804- 41- 22- 1	
WA2JSG	1200- 40- 15- 4	WB4SFT(K3UA,opr)	1,224- 12- 7- 8	WA5RNV	29,356- 358- 41-14	WB6YH(+WA4JNG)	180- 18- 5- 1	
W2UL	740- 37- 20- 5	WB4ASA(+WA4JNG,opr)	244,914-1051-107-33	WB5MCD(WB4ASZ,opr)	19,250- 219- 44-19	WB6LBR(+WA4ALA)	71,736- 427- 84-31	
N2OL(+N2HE)	100,580- 584- 94-23	K3DE	400-16-1550-129-27	KS6ALL	1,365- 169- 35-11			
W2TIW(+N2s AIH LA WTA W2s OFI ORU RSL WB2s CKD HUS UVU)	76,912- 437- 88-24	WB3KZ	76,704- 370-102-30	AC5R	11,060- 154- 35-11	Sacramento Valley		
K4ZACM(+WB2KYE)	43,212- 272- 78-30	WB3DKT	22,000- 222- 63-17	WA5OOB	10,224- 142- 36-11	WB6POQ	67,284- 534- 63-29	
WB2PKV(Multiop)	1,200- 200- 271- 50-27	K3OV	10,302- 99- 51- 6	WB5HRC	9768- 148- 33-19	W5YMH	30,096- 232- 62-20	
K2MBZ(K2L2P,K2CYH-N2ADH,WB2CAM)	21,120- 215- 48-25	N3NR	9,030- 102- 43- 6	N4NW	256,060-1071-118-29	W6AMW	34,760- 316- 55-16	
K2OP(+WA2DKJ)	3640- 70- 26- 7	WB3CVO(AC3C,opr)	7296- 93- 38- 6	WA4VY	215,250-1036-104-34	WA6FFI	30,210- 279- 53-19	
Southern New Jersey	4	WB3CKW	9,030- 102- 43- 6	WB4AXM	109,800- 610- 90-22	WB6OHV	26,786- 227- 59-23	
WB2BHK	145,628- 743- 98-24	N3YI	7296- 93- 38- 6	K4AGT	81,718- 449- 91-31	K1FJM/6	23,124- 246- 47- 7	
WA2WJL	74,534- 449- 83-25	WB3DWT	22,000- 222- 63-17	WB4IPI	7,278- 237- 72-19	N6JL	19,008- 171- 54- 4	
A2JW	73,400- 460- 79-11	K3AJZ/N	12,080- 119- 40-21	WB4EL	51,300- 262- 95-18	WB6BRV	82,600- 109- 39- 4	
WB2YOF	68,954- 26- 27- 8	WB3CVO	10,302- 99- 51- 6	WB4PH	37,128- 273- 68-27	KA6CDP/N	82,600- 221- 52-12	
N2HF	47,360- 260- 80-17	K4AZ	56,536- 378- 74-14	N4MM	36,582- 201- 91- 5	K6XB	5512- 53- 52-12	
W3BFC/2	47,200- 295- 80-24	WB3AT	31,680- 264- 60-16	WA4CVR	34,128- 237- 72-19	W6SX	5100- 75- 34- 6	
K2BWR(K2ZRJ,opr)	44,696- 302- 74-17	WB4YTG	210- 15- 7- 9	WA4NTP	12,144- 269- 81-30			
WB2ZEU	30,114- 239- 63-11	WB4MGJ	4784- 104- 23- 8	WB4DHz	3,744- 269- 81-30	Hawaii		
N2AOV/T	42,929- 77- 35-20	WB4NYL	210- 15- 7- 9	WB4DNL	2,243- 158- 51- 9	K6HX	443,520-2309- 96-	
W2FGY	4100- 58- 21- 5	WB4DNL	12,600- 112- 52-22	WB4DNL	1,200- 180- 42-15	KH6WF	403,332-2318- 87-20	
WA2IAU/N	2392- 39- 23- 7	WB4YR	10,208- 116- 44- 4	K4VY(K4YEP)	44,268- 434- 51-21	KH6GMP	275,268-1582- 87-36	
W2CCO(+WA1NGR)	111,078- 560- 99-	WB4YR	12,478- 104- 23- 8	WB5RZK(+KA5BXU)	31,392- 309- 48-16	KH6IJ	66,000- 600- 55- 5	
Western New York	4	WB4YR	210- 15- 7- 9	WB5RZK(WB5IT,WB5IXA JUD,opr)	21,840- 258- 42-16	KH6CP	23,980- 209- 9-	
WB2BHK	145,628- 743- 98-24	WB4YR	12,478- 104- 23- 8	WB5RZK(+WB5LVL)	6800- 130- 25- 9	K7SS/KH6	9000- 92- 32-14	
WA2WJL	74,534- 449- 83-25	WB4YR	210- 15- 7- 9					
A2JW	73,400- 460- 79-11	WB4YR	12,478- 104- 23- 8	6				
WB2YOF	68,954- 26- 27- 8	WB4YR	210- 15- 7- 9					
N2HF	47,360- 260- 80-17	WB4YR	12,478- 104- 23- 8					
W3BFC/2	47,200- 295- 80-24	WB4YR	12,478- 104- 23- 8					
K2BWR(K2ZRJ,opr)	44,696- 302- 74-17	WB4YR	12,478- 104- 23- 8					
WB2ZEU	30,114- 239- 63-11	WB4YR	12,478- 104- 23- 8					
N2AOV/T	42,929- 77- 35-20	WB4YR	12,478- 104- 23- 8					
W2FGY	4100- 58- 21- 5	WB4YR	12,478- 104- 23- 8					
WA2IAU/N	2392- 39- 23- 7	WB4YR	12,478- 104- 23- 8					
W2CCO(+WA1NGR)	111,078- 560- 99-	WB4YR	12,478- 104- 23- 8					
Georgia	4	WB4YR	12,478- 104- 23- 8					
K4BAI	124,478- 568-109-17	WB4YR	12,478- 104- 23- 8					
K4EZ	105,152- 493-106-19	WB4YR	12,478- 104- 23- 8					
WB4HER	74,340- 590- 63-33	WB4YR	12,478- 104- 23- 8					
K4KG	45,552- 584- 78-20	WB4YR	12,478- 104- 23- 8					
WB4YR	10,520- 564- 90-24	WB4YR	12,478- 104- 23- 8					
WB4YR	74,340- 590- 63-33	WB4YR	12,478- 104- 23- 8					
WB4YR	10,520- 564- 90-24	WB4YR	12,478- 104- 23- 8					
WB4YR	74,340- 590- 63-33	WB4YR	12,478- 104- 23- 8					
WB4YR	10,520- 564- 90-24	WB4YR	12,478- 104- 23- 8					
WB4YR	74,340- 590- 63-33	WB4YR	12,478- 104- 23- 8					
WB4YR	10,520- 564- 90-24	WB4YR	12,478- 104- 23- 8					
WB4YR	74,340- 590- 63-33	WB4YR	12,478- 104- 23- 8					
WB4YR	10,520- 564- 90-24	WB4YR	12,478- 104- 23- 8					
WB4YR	74,340- 590- 63-33	WB4YR	12,478- 104- 23- 8					
WB4YR	10,520- 564- 90-24	WB4YR	12,478- 104- 23- 8					
WB4YR	74,340- 590- 63-33	WB4YR	12,478- 104- 23- 8					
WB4YR	10,520- 564- 90-24	WB4YR	12,478- 104- 23- 8					
WB4YR	74,340- 590- 63-33	WB4YR	12,478- 104- 23- 8					
WB4YR	10,520- 564- 90-24	WB4YR	12,478- 104- 23- 8					
WB4YR	74,340- 590- 63-33	WB4YR	12,478- 104- 23- 8					
WB4YR	10,520- 564- 90-24	WB4YR	12,478- 104- 23- 8					
WB4YR	74,340- 590- 63-33	WB4YR	12,478- 104- 23- 8					
WB4YR	10,520- 564- 90-24	WB4YR	12,478- 104- 23- 8					
WB4YR	74,340- 590- 63-33	WB4YR	12,478- 104- 23- 8					
WB4YR	10,520- 564- 90-24	WB4YR	12,478- 104- 23- 8					
WB4YR	74,340- 590- 63-33	WB4YR	12,478- 104- 23- 8					
WB4YR	10,520- 564- 90-24	WB4YR	12,478- 104- 23- 8					
WB4YR	74,340- 590- 63-33	WB4YR	12,478- 104- 23- 8					
WB4YR	10,520- 564- 90-24	WB4YR	12,478- 104- 23- 8					
WB4YR	74,340- 590- 63-33	WB4YR	12,478- 104- 23- 8					
WB4YR	10,520- 564- 90-24	WB4YR	12,478- 104- 23- 8					
WB4YR	74,340- 590- 63-33	WB4YR	12,478- 104- 23- 8					
WB4YR	10,520- 564- 90-24	WB4YR	12,478- 104- 23- 8					
WB4YR	74,340- 590- 63-33	WB4YR	12,478- 104- 23- 8					
WB4YR	10,520- 564- 90-24	WB4YR	12,478- 104- 23- 8					
WB4YR	74,340- 590- 63-33	WB4YR	12,478- 104- 23- 8					
WB4YR	10,520- 564- 90-24	WB4YR	12,478- 104- 23- 8					
WB4YR	74,340- 590- 63-33	WB4YR	12,478- 104- 23- 8					
WB4YR	10,520- 564- 90-24	WB4YR	12,478- 104- 23- 8					
WB4YR	74,340- 590- 63-33	WB4YR	12,478- 104- 23- 8					
WB4YR	10,520- 564- 90-24	WB4YR	12,478- 104- 23- 8					
WB4YR	74,340- 590- 63-33	WB4YR	12,478- 104- 23- 8					
WB4YR	10,520- 564- 90-24	WB4YR	12,478- 104- 23- 8					
WB4YR	74,340- 590- 63-33	WB4YR	12,478- 104- 23- 8					
WB4YR	10,520- 5							



Betty, WD8JRG, number six in Ohio, put her 180 watts and 4-element homebrew beam to good use.



XE1OX, XE1OD, XE1GBM, XE1OW, XE1OK (I to r) multioped XE1MDX to the tune of 326k pts.



The top single-operator score from Alaska belongs to this gent. He's Bert, KL7IRT.

Washington	A885	21,692- 187- 58-15	WD9GKF(+WD9GVY)	47,880- 336- 70-32	WD0BLD(+WD0BKX)	48,880- 367- 65-24	VO1AW	5460- 61- 35- 4
N7ZZ	500,118-2337-107-28	16,092- 149- 54-6	WD8PAJ	47,880-	Kansas	Maritime		
W6RR/7	434,310-2335- 93-30	14,842- 181- 41-2	WD8PDB	36,064- 319- 56-30	WB0BMB	VE1TG	324,800-1450-112-	
K7R1/(W7WA,opr)	5,690-2155- 99-33	14,758- 132- 47-23	KABAZN/N	23,970- 235- 51-18	K9VGB	VE1BYP	111,708- 642- 87-16	
WB7BNP	210,938-1480- 87-	13,630- 165- 41-15	WA8UNP	534,864-2019-132-33	K9VGBV/Y	VE1AGE	22,448- 184- 61-15	
WB7BFK	210,938-1159- 91-22	11,544- 148- 39- 6	KABA/TD/N	WB0DPT(+WD9AVF)	K9USC	VE1DXDA(VE1AIH BNN,		
K7CR	145,854- 99- 73-27	11,316- 115- 44-33	AC8R	23,970- 235- 51-18	K9UFC	WB2RLK,(opr)	WB0ZLW(BKF BKH)	
K7YR	40,600- 406- 50- 6	10,480- 131- 40-16	WD8LJZ	534,864-2019-132-33	K9UFC	VE1BUG(+VE1BGE)	WB0ZLW(BKF BKH)	
K7ND	37,520- 318- 56-	7004- 103- 34-2	WA8WLO	WB0ZLW(BKF BKH)	K9UFB	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	
WT7GB	34,980- 330- 53- 6	8000- 50- 34-1	WB8DHC	WB0ZLW(BKF BKH)	K9UFC	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	
WT1SX	26,800- 200- 67-14	4500- 64- 35-1	WD8OHC	WB0ZLW(BKF BKH)	K9UFB	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	
WB7CSM	18,500- 200- 20-13	3848- 26- 26-6	WE8AO	WB0ZLW(BKF BKH)	K9UFC	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	
WB7FQ	18,500- 200- 20-13	3328- 58- 26-11	WA9PKL	WB0ZLW(BKF BKH)	K9UFB	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	
WA7LSB	14,996- 163- 45-10	3024- 52- 28-5	WD8PNU/H	WB0ZLW(BKF BKH)	K9UFB	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	
WA7TWT	14,726- 160- 37-13	1976- 52- 19-6	WD8JTG	WB0ZLW(BKF BKH)	K9UFB	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	
K7IDX7	15,570- 173- 45- 5	1976- 52- 19-6	KA8AZ	WB0ZLW(BKF BKH)	K9UFB	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	
WA7DX	7062- 99- 33- 5	1976- 52- 19-6	WB9FNR	WB0ZLW(BKF BKH)	K9UFB	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	
Wyoming	83,096- 792- 52-26	WB8RCN(+K8IIW)	WB9FNR	WB0ZLW(BKF BKH)	K9UFB	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	
N7CG	138,320-1234- 56-24	432,300-1635-131-36	WB8JBM(KA8DQH,N8DH,W8BS)	WB0ZLW(BKF BKH)	K9UFB	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	
WA7ZZV	56,506- 546- 53-14	DQP JMM LSN YU	WB8JBM(KA8DQH,N8DH,W8BS)	WB0ZLW(BKF BKH)	K9UFB	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	
WA9LJN/7	2688- 64- 21-14	326,118-1438-113-33	WA8PKB(+KBW8,WABDXB)	WB0ZLW(BKF BKH)	K9UFB	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	
AC6D/7(+WB7EHM)	WB7OVA(+K7OZ,W7ZRP)	296,478-1266-117-34	WB9ZPK/N	WB0ZLW(BKF BKH)	K9UFB	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	
WB7OVA(+K7OZ,W7ZRP)	7062- 99- 33- 5	WB8OYD(+WD8PNW)	WB9ZPK/N	WB0ZLW(BKF BKH)	K9UFB	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	
Alaska	82,584- 662- 62-25	10,912- 124- 44-12	WD8OYD(+WD8PNW)	WB9ZPK/N	K9UFB	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	
KL7IRT	354,600-2364- 75-24	4524- 68- 29-15	WD8MAF(+WD8MAI)	WB9ZPK/N	K9UFB	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	
KL7BV	272,300-1945- 70-14	WB9ZPK/N	WB9ZPK/N	K9UFB	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	
KL7IVL	208,905-1559- 67-22	WB9ZPK/N	WB9ZPK/N	K9UFB	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	
KL7JDH	109,244- 881- 62- 9	WB9ZPK/N	WB9ZPK/N	K9UFB	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	
KL7JF	105,266- 721- 73-14	WB9ZPK/N	WB9ZPK/N	K9UFB	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	
KL7JF	78,934- 647- 61-10	WB9ZPK/N	WB9ZPK/N	K9UFB	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	
KL7JF	71,101- 57- 58-1	WB9ZPK/N	WB9ZPK/N	K9UFB	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	
KL7JF	74,698- 567- 57-18	WB9ZPK/N	WB9ZPK/N	K9UFB	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	
KL7JF	154,404- 180- 34- 8	WB9ZPK/N	WB9ZPK/N	K9UFB	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	
KL7JF	4704- 84- 28- 4	WB9ZPK/N	WB9ZPK/N	K9UFB	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	
AL7Z/(+KL7JF)	82,584- 662- 62-25	WB9ZPK/N	WB9ZPK/N	K9UFB	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	WB0ZLW(BKF BKH)	
West Virginia	N8II	256,036-1058-121-26	K9DAF	230,904-1061-108-	Wisconsin	Manitoba		
	WB8ACQ	21,970- 169- 65-11	WB9OP	94,416- 562- 84-14	WB0NHD(+WB0SNH)	VE4SW	65,262- 447- 73- 7	
K9BEC	199,576- 988-101-35	WB9DDE	71,288- 469- 76-20	WB0NHD(+WB0SNH)	VE4UX	32,824- 373- 44-15		
WB8FJ	178,752- 795-111-26	WB9DQZ	52,216- 420- 61-15	AC0W(+WB0LTH)	VE4GN/4	27,146- 277- 49-20		
WB8SIB	76,680- 241- 90-15	WB9DQZ	52,216- 420- 61-15	WB0BDA(+KA9CHG)	VE4SW			
N8ACD	73,272- 426- 86-15	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE4UX			
WB8RRR	50,912- 69- 64-27	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE4GN/4			
WB8UKR	42,000- 250- 84-16	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	CF3GXZ(+VE3JE)			
WB8KFE	25,800- 215- 60- 6	WB9DQZ	52,216- 420- 61-15	WB0NHD(+WB0SNH)	VE3KJW			
WB8MDG	23,900- 233- 50-25	WB9DQZ	52,216- 420- 61-15	AC0W(+WB0LTH)	VE3KJW			
WB8WVU	20,696- 195- 52-15	WB9DQZ	52,216- 420- 61-15	WD0BDA(+KA9CHG)	VE3KJW			
WB8VBC	15,800- 158- 50-12	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
KBLIX	11,750- 125- 47-10	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
WB8CN	11,692- 130- 33-15	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
WB8DRIN/N	8976- 100- 33- 8	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
WB8AAC	8976- 131- 33- 8	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
WB8EIA/T	7770- 82- 37-16	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
WB8EEK	6784- 106- 32-15	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
K8OT	5832- 81- 36- 4	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
WB8AHO	4176- 87- 24-10	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
WB8EAE	2380- 10- 17- 2	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
K8CV	2380- 10- 17- 2	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
WB8DSG	2100- 69- 14- 7	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
WB8KXN	1302- 31- 21- 3	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
K8NG	969- 21- 17- 4	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
A8AU/(+K8s DMG LF MJZ SM, E&B ABDX, N8AW, WB8DK1)	WB8BUG/(+K8s BM, KABA/PY, WB8BUQ, WB8CIN, WN8PE)	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
K8ZE/(+W8MNL)	WB8BUG/(+K8s BM, KABA/PY, WB8BUQ, WB8CIN, WN8PE)	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
WB8WZ	26,672- 72- 109-102-36	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
WB8BUG/(+K8s BM, KABA/PY, WB8BUQ, WB8CIN, WN8PE)	WB8BUG/(+K8s BM, KABA/PY, WB8BUQ, WB8CIN, WN8PE)	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
WB8BSB	48,990- 355- 69- 25	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
WB8DZQ/N/(+WB8BIEX)	2242- 50- 19-10	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
Ohio								
WB8PC(W9AG,opr)	256,450-1112-115-33	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
WB8IGY	215,514- 988-117-34	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
WB8BALG	153,924- 740-101-	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
WB8KKI	155,480- 750-100-	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
WB8KKI	155,480- 750-100-	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
WB8JTG/(+WB8BIEX)	204,288- 241- 62-20	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
WB8SRK	29,394- 213- 69-32	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
K8IC	29,232- 232- 63- 6	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
WB8GO	27,392- 206- 64-11	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
K8E8Z	21,924- 174- 63-	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
N8BARA	21,712- 184- 59-	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
WB8LCY	21,700- 158- 62-13	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
WB8DGG(WA1TA1W7)	244,644-1094-111-4	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
WB8YH(K9s GL PW V9W V9P)	198,856- 929-106-19	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
K9JU(+K9LA)	496- 308- 8- 3	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
WB9APJ(+WB9WV9B)	289,542-1353-107-31	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
WB9NIN/(+K9VH,N9V,N9H,WB9IUR, WB9DCL)	50,256- 349- 72-25	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW			
VE								
Newfoundland	VO1AE	111,540- 715- 78-19	WB9DQZ	52,216- 420- 61-15	WD0GPF(+AE0M)	VE3KJW		