

2003 ARRL 10 Meter Contest Results

Where have all the sunspots gone?

For some reason, the 2003 ARRL 10 Meter Contest conjured nostalgic images in my head. Some of the great songs of our history seemed to flash into my mind's eye as I read Soapbox comments, score reports, and prepared to report the results for 2003. So, with apologies to folk musicians and rock-n-roll artists...

Where Have All the Sunspots Gone?

Being on the downside of Cycle 23, it would have been next to impossible to follow up on the 2002 contest, which set an all time record for the number of participants submitting logs. So we don't worry too much about the number of participants being down about 25% from the previous year. NOAA gave the total number of sunspots for the 2003 contest as 28 for December 13 and 31 for December 14. Compare those numbers to the count of 124 and 119 for the two days of the 2002 contest. Add to that the SFI of 92 and 88 for 2003 and one can almost hear the pensive longing of days past.

There are certain locations that have an advantage in years of lower solar activity. The closer you got to the equator the better in 2003. So it is no wonder that comment after comment in the Soapbox submissions reflected that conditions were fair to poor. The bad news is that we haven't hit the bottom of Cycle 23. The good news is that we will see a turnaround in a couple of years. Guess we will all be singing along with *The Byrds* as we wait for the cycle to "Turn, Turn, Turn."

So, since it was not a great weekend for those used to *Steppenwolf's* "Born to be Wild" on the bands, how did the avid 10 Meter contesters challenge themselves? Some, like Nigel, G3TXF, Chris, W1JCJ, and David, VK2CZ, reported testing out new antennas. Knowing they would be facing difficult conditions or "real life" obligations limited the time many operators were on the bands, such as Mike, W1JQ, or myself. Jim, N3AWS, used his limited operating schedule to do some radio comparisons between his



COURTESY W1YL

The joyful love of our hobby was evident very early in the life of WA1NNC, as this photo shows. WA1NNC grew up to be our great friend and fellow competitor K4OJ, Jim White. The 2003 10 Meter Contest was Jim's last ARRL Contest. Thanks, Jim... You are missed....

ICOM IC-706MKIIG and Yaesu FT-817. Dave, VO1AU, used the contest to do a quasi-"DXpedition" from VO2AAA.

The 10 Meter contest is famous for, as *The Beatles* might have put it, "I Want To Hold Your Hand," or as we know it in amateur circles—Elmering. Joe, KB4QLZ, took time to share the fun when Bradley, KB4FWN, and Perry, KG4RTA, visited his shack. Eric, W3DQ, spent time with his 9 year old son in the shack during the weekend (while handing out the sometimes rare DC multiplier in this contest). Stories like these abound in shack after shack, and a few are found in the On-Line Soapbox on the ARRLWeb at www.arrl.org/contests/soapbox/, where you will find our version of *Jim Croce's* "Photographs and Memories."

"We Are The Champions"—W/VE

When it comes down to it, the motivation for participation is different. But for a few, the real challenge lies in living up to this *Queen* title. Be they overall, continental, national, regional or sectional winners, it is an accomplishment to finish first.

With declining propagation, scores were not quite as high, and only one overall or continental record was set. Congratulations to Alex, YO9HP, operator at A45WD, who set a new Single Operator

Mixed Mode Low Power record for Asia.

Among W/VE stations, the winning station in each of the ten contest categories enjoyed a relatively easy victory. However, that doesn't mean that there wasn't tight competition along the way.

Leading the victory parade (of course to *Uriah Heep's* "Celebrate") are the three W/VE Single Operator QRP winners. Larry, W7YA, picked up a win in Phone Only in the closet W/VE overall finish, beating WR6WR, operated by Armond,

Affiliated Club Competition

	Score	Entries
Unlimited Category		
Potomac Valley Radio Club	17,812,020	79
Florida Contest Group	16,988,204	53
Northern California Contest Club	9,832,036	61
Society of Midwest Contesters	7,343,450	62
Medium Category		
Central Texas DX and Contest Club	4,858,336	14
Yankee Clipper Contest Club	4,129,304	41
Frankford Radio Club	3,839,964	23
Contest Club Ontario	3,476,136	24
Minnesota Wireless Assn	3,242,568	49
South East Contest Club	3,200,368	19
Southern California Contest Club	2,646,182	14
Tennessee Contest Group	2,590,334	31
Hudson Valley Contesters and DXers	2,507,858	13
Grand Mesa Contesters of Colorado	2,286,540	13
Kentucky Contest Group	2,059,772	9
Central Arizona DX Assn	1,919,344	6
Texas DX Society	1,533,198	5
Mad River Radio Club	1,514,960	14
Southwest Ohio DX Assn	1,409,196	4
North Texas Contest Club	1,157,856	5
Willamette Valley DX Club	1,069,528	8
Kansas City DX Club	1,045,066	6
Oklahoma DX Assn	1,044,232	6
Carolina DX Assn	1,041,148	8
North Coast Contesters	1,037,548	6
Western Washington DX Club	966,858	8
Florida Contest Group—Panhandle	953,940	5
Order of Boiled Owls of New York	856,678	6
Spokane DX Assn	499,072	3
Northern Arizona DX Assn	270,020	4
Mother Lode DX/Contest Club	255,342	3
Hampden County Radio Assn	212,070	6
Rochester (NY) DX Assn	206,382	4
Loudoun ARG	136,474	4
Franklin County ARC	135,602	3
Bergen ARA	125,252	6
West Park Radiops	102,298	3
Six Meter Club of Chicago	52,346	4
Local Category		
CT RI Contest Group	718,888	8
Columbia-Montour ARC	589,304	4
Livermore ARK	556,170	10
Medina 2 Meter Group	384,206	6
Redmond Top Key Contest Club	365,668	4
Sterling Park ARC	238,546	4
American Red Cross Emergency	209,540	4
Northern New York Contest Club	127,108	4

Top Ten, W/VE

Mixed Mode, QRP

K9OM	427,120
WA8ZBT	203,432
K8BL	179,826
W6AQ	135,240
N2TM	110,340
K3TW	105,728
NK6A	78,300
WA0VBW	70,798
WA6FGV	64,064
NY6DX	62,964

Mixed Mode, Low Power

K8IA	745,752
KG9X	603,230
WD5K	566,650
K2Z	566,368
(K2RD, op)	
W3EP	553,280
N8II	548,800
K4GKD	525,888
W04O	524,472
WQ5L	498,996
K4MM	489,896

Mixed Mode, High Power

WC4E	1,624,722
K6AM	1,380,600
K3ZO	1,264,562
K5KG	1,245,692
N5AN	1,238,274
(W5WU, op)	
K1XX	1,037,694
NU4Y	990,888
K4EA	957,940
WE3C	948,060
N3OC	929,660

Phone Only, QRP

W7YA	70,560
WR6WR	56,576
KS4GW	36,480
W1KLM	32,400
W0ETC	27,548
KK0Q	27,000
N1BQ	25,864
W5GZ	24,072
KR1ST	21,672
WD5FGZ	19,470

Phone Only, Low Power

W4IX	387,030
K4VUD	255,360
NJ2F	170,424
W7UPF	162,830
W7ZR	139,836
WB2ZTH	136,344
W8DD	121,540
KT3RR	115,566
AB6GS	115,416
KE5OG	113,238

Phone Only, High Power

W5PR	682,440
K5TR	549,672
(WM5R, op)	
N4OX	493,374
K4WI	474,500
NQ4I	398,332
(W4DD, op)	
N3HBX	324,500
N8RA	313,200
NA5S	303,960
N2EOC	291,648
K7RL	271,980

CW Only, QRP

N5TW	164,436
W7RAB	101,716
(KH7YDW, op)	
AA1CA	77,824
N8AP	65,268
N9NE	60,480
N0UR	57,024
K7MM	53,600
K4CNW	52,704
N6WG	52,360
NU4B	32,208

CW Only, Low Power

WD4AHZ	372,072
WB4TDH	309,996
NY3A	294,112
N4GM	288,960
N5DO	257,920
W5TM	232,848
(W5AO, op)	
N7KA	227,520
W5EKF	224,280

VE7UF	215,232
KJ9C	204,120

CW Only, High Power

N4BP	834,768
K4OJ	774,144
KD4D	741,272
N2NT	685,640
W5KFT	666,576
(K5PI, op)	
N2OW	612,260
(@K1TTT)	
K0LUZ	597,800
K3CR	539,496
(LZ4AX, op)	
K5GO	539,136
N9RV	536,712

Multioperator

NE4AA	2,347,370
NX5M	1,752,912
KM4M	1,614,660
N4GN	1,327,168
K1SE	1,211,580
W6YX	1,177,648
W2IX	990,216
AA1JD	912,288
KH7U	886,440
K6KM	758,450

Top Ten, DX

Mixed Mode, QRP

JA1BPA	29,890
PY3YD	27,264
RX9AM	22,914
SP4GFG	17,572
UR6QS	7,380
VU2UR	7,040
SV1XV	5,504
DL1DQY	5,476
YY5AFD	3,900
RW3VZ	3,880

Mixed Mode, Low Power

ZF2NT	1,378,580
EA7RM	786,060
XE2AC	701,008
EA8/DJ1OJ	562,744
CQ0T	493,506
(CT1ILT, op)	
EA5AER	480,192
H18/JA6WFM	457,728
LU2EE	424,196
(LW5EE, op)	
PR2F	406,196
(PY2NDX, op)	
WP4LNY	379,692

Mixed Mode, High Power

3D2YU	1,006,500
(YZ1AU, op)	
OK1RI	732,290
LT1A	663,120
(LU3CT, op)	
YP3A	456,374
(YO9GZU, op)	
UT7QF	394,254
5U7JB	372,600
(N4HX, op)	
RG9A	300,404
(UA9AM, op)	
F5NBX	271,964
EM3J	271,694
(UU2JZ, op)	
RF4R	248,192
(UA4RC, op)	

Phone Only, QRP

WP4EDD	302,498
TI2KAC	248,064
LU1VK	51,620
CT1DYV	15,004
T94DO	13,818
EA1BZ	9,984
LU5EVK	9,768
SQ9UM	8,400
LU8EGS	8,360
UA3BL	4,840

Phone Only, Low Power

LU4DX	365,304
CN8KD	341,406
ZX2B	298,820
(PY2MNL, op)	
XE1CT	242,708
H13NR	208,620
CT1EAT	195,264
YY5YMA	194,880
CM8WAL	187,800
PS8HF	170,856
EA7FTR	170,280

Phone Only, High Power

FY5KE	1,106,000
(FY5FY, op)	
WP2Z	920,970
(K8MJZ, op)	
ZX5J	801,724
(PP5JR, op)	
ZF2AH	801,090
T15A	714,816
(AC8G, op)	
LU6ETB	438,016
(IC8WIC, op)	
LS1N	406,608
(LU1NDC, op)	
CT8T	391,644
(CT1ESV, op)	
HP3XBS	381,562
AY8A	344,968
(LU8ADX, op)	

CW Only, QRP

CX2AQ	95,116
EA4BF	44,640
YT77Y	30,576
GW4ALG	27,224
EA8/SM6CUK	25,740
G4EDG	24,480
G3YMC	21,736
LW5DR	16,296
EA7AAW	15,040
9A3GU	14,112

CW Only, Low Power

LU1EWL	421,568
CO8ZZ	368,988
TI3M	338,624
(TI3TSL, op)	
ZL2BR	188,496
9A2SD	181,800
EA8CN	175,812
SV0XAI	167,640
4N1N	165,184
PY1NX	158,752
ZLW3SE	152,928

CW Only, High Power

ZY3X	654,360
(IV3NVN, op)	
CX7BY	484,000
XE1MM	456,320
G3TXF	414,816
DL1IAO	411,740
EA4KA	400,608
F5IN	302,596
ZA1UT	293,296
(Z36W, op)	
T96Q	252,000
VR2BG	202,584

Multioperator

LT1F	2,313,000
PJ2T	2,103,948
P40K	2,042,092
LR1F	1,908,568
J8DX	1,751,680
OA4O	1,144,124
ZL6QH	1,017,632
TK5KP	920,238
9H6A	778,392
EA1FDI	759,238

N6WR, by a mere 14k points. They finished only 4 QSOs apart but Larry picked up 16 additional multipliers to snag the win. In Single Operator CW Only, Tom, N5TW, maintained a comfortable margin over Eugene, KH6YDW, who operated W7RAB. Single Operator Mixed Mode, Dick, K9OM, used the advantageous QTH

in Florida to beat back the challengers, who were led by Dennis, WA8ZBT, competing from North Texas.

Single Operator Low Power always seems to be one of the most popular categories, and 2003 was no different, as 58% of all entries received were in the Low Power categories. In the Phone Only

category, John, W4IX, proved too much for Charlie, K4VUD, to overcome. The CW Only winner, Ron, WD4AHZ, was able to take a victory lap after holding off Andy, WB4TDH. The Mixed Mode winner was Bob, K8IA, who fended off a challenge from Fred, KG9X, operating from the mystical "Black Hole"

COURTESY N6WR



Armond, N6WR, at his shack. He was the operator for WR6WR, placing second among W/VE QRP Phone Only entries.

COURTESY N4BP



Bob, N4BP, took home the win in the W/VE CW Only High Power Category.

Region Leaders

Tables list call sign, score, class (A = Mixed Mode, B = Phone only, C = CW Only, D = Multioperator), and power (A = QRP, B = Low Power, C = High Power).

Northeast Region (New England, Hudson and Atlantic Divisions; Maritime and Quebec Sections)

N2MT	110,340	A	A
K3TWT	105,728	A	A
NY6DX	62,964	A	A
K5GMX	55,616	A	A
WB2AMU	52,984	A	A
K2Z	566,368	A	B
(K2DRD, op)			
W3EP	553,280	A	B
KC2LLM	370,940	A	B
A13M	258,400	A	B
K1HTV	253,656	A	B
K3ZO	1,264,562	A	C
K1XX	1,037,694	A	C
WE3C	948,060	A	C
N3OC	929,660	A	C
VY2TT	825,010	A	C
(K6LA, op)			
N1BQ	25,864	B	A
WB0IWG	10,710	B	A
N2MH	8,988	B	A
N2NHN	6,396	B	A
WB2ZTH	136,344	B	B
KT3RR	115,566	B	B
W1KT	64,034	B	B
WB2KHO	63,008	B	B
K2LV	56,496	B	B
N3HBX	324,500	B	C
N8RA	313,200	B	C
N2EOC	291,648	B	C
N3ME	271,264	B	C
W1SJ	184,164	B	C
AA1CA	77,824	C	A
WO2N	30,000	C	A
W2ENY	22,932	C	A
W2BVH	18,408	C	A
N2JNZ	14,800	C	A
NY3A	294,112	C	B
W3BGN	196,044	C	B
K2UF	150,840	C	B
W3CB	136,196	C	B
WB2AA	134,640	C	B
KD4D	741,272	C	C
N2NT	685,640	C	C
N2OW	612,260	C	C
(@K1TTT)			
K3CR	539,496	C	C
(LZ4AX, op)			
K3FT	414,288	C	C
W2IX	990,216	D	A
AA1JD	912,288	D	A
N3II	536,836	D	A
K3WW	421,260	D	A
WX3B	388,692	D	A

Southeast Region (Delta, Roanoke and Southeastern Divisions)

K9OM	427,120	A	A
WB6BWZ	55,104	A	A
N4HH	31,150	A	A
N2UM	25,216	A	A
A12P	12,684	A	A
N8II	548,800	A	B
K4GKD	525,888	A	B
WO4O	524,472	A	B
WQ5L	498,996	A	B
K4MM	489,896	A	B
WC4E	1,624,722	A	C
K5KG	1,245,692	A	C
N5AN	1,238,274	A	C
(W5WMM, op)			
NU4Y	990,888	A	C
K4EA	957,940	A	C
KS4GW	36,480	B	A
W1KLM	32,400	B	A
KR1ST	21,672	B	A
KQ4YY	5,624	B	A
KC4ATU	5,530	B	A
W4IX	387,030	B	B
K4VUD	255,360	B	B
NJ2F	170,424	B	B
N5KGY	76,986	B	B
WB4JFS	65,136	B	B

Midwest Region (Dakota, Midwest, Rocky Mountain and West Gulf Divisions; Manitoba and Saskatchewan Sections)

N4OX	493,374	B	C
K4WI	474,500	B	C
NQ4I	398,332	B	C
(W4DD, op)			
NX9T	175,824	B	C
K4JNY	116,768	B	C
K4CNW	52,704	C	A
NU4B	32,208	C	A
K8OWL	21,216	C	A
WN4M	20,800	C	A
K4GT	8,640	C	A
WD4AHZ	372,072	C	B
WB4TDH	309,996	C	B
N4GM	288,960	C	B
W5EKF	224,280	C	B
KN4Y	195,548	C	B
N4BP	834,768	C	C
K4OJ	774,144	C	C
K0LUZ	597,800	C	C
K5GO	539,136	C	C
W9WI	389,648	C	C
NE4AA	2,347,370	D	A
KM4M	1,614,660	D	A
K1SE	1,211,580	D	A
W4MYA	707,250	D	A
K1PT	545,020	D	A

Central Region (Central and Great Lakes Divisions; Ontario Section)

K8BL	179,826	A	A
N8IE	62,244	A	A
N8XA	39,840	A	A
N8NM	38,160	A	A
W8VE	28,072	A	A
K6GX	603,230	A	B
N6U	355,926	A	B
VE3DZ	346,112	A	B
W9AU	1,614,660	A	B
VE3XD	176,730	A	B
N9AG	837,790	A	C
VE3AT	812,322	A	C
W9XT	639,498	A	C
VE3KZ	573,420	A	C
W9IU	486,720	A	C
KC8QAE	13,630	B	A
KC8PKY	2,500	B	A
N9KT	2,184	B	A
AB8ND	1,710	B	A
KC8UDV	1,406	B	A
W8DD	121,540	B	B
WA1MKE	46,136	B	B
KF9US	45,260	B	B
K4TXJ	40,630	B	B
N9ISN	31,122	B	B
VA3KA	225,108	B	C
W9NY	124,568	B	C
KE9S	116,112	B	C
N8OL	56,316	B	C
W8JWN	52,260	B	C
N8AP	65,268	C	A
N9NE	60,480	C	A
KB9ZUV	7,280	C	A
W4AMW	1,560	C	A
VE3IGJ	288	C	A
KJ9C	204,120	C	B
W8MJ	153,792	C	B
K2AAW	136,800	C	B
N9BX	101,088	C	B
KB9S	94,984	C	B
N9RV	536,712	C	C
W8AV	396,168	C	C
N8BJQ	199,864	C	C
W9YQG	190,960	C	C
W8CAR	150,920	C	C
N4GN	1,327,168	D	A
K19A	620,490	D	A
N2BJ	532,688	D	A
K9IZ	474,320	D	A
KC9ARR	441,792	D	A

West Coast Region (Pacific, Northwestern and Southwestern Divisions; Alberta, British Columbia and NWT Sections)

WA8ZBT	203,432	A	A
WA0VBW	70,798	A	A
W5GAI	14,336	A	A
WD5AGO	2,700	A	A
K10II	2,160	A	A
WD5K	566,650	A	B
WQ5C	341,310	A	B
W0ETT	276,924	A	B
AC0W	270,900	A	B
W0VX	249,920	A	B
K5NZ	733,920	A	C
K1NT	616,896	A	C
K0TT	593,280	A	C
K0YW	557,120	A	C
K5ZO	467,856	A	C
W0ETC	27,548	B	A
KK0Q	27,000	B	A
W5GZ	24,072	B	A
WD5FGZ	19,470	B	A
N0VMW	15,190	B	A
KE5OG	113,238	B	B
W5ES	76,180	B	B
(WB5QLR, op)			
W5SSD	60,514	B	B
WA5IYX	56,316	B	B
KC5PKA	53,286	B	B
W5PR	682,440	B	C
K5TR	549,672	B	C
(W5MR, op)			
NA5S	303,960	B	C
K5NA	217,248	B	C
(K15DR, op)			
K0RFH	211,200	B	C
N5TW	164,436	C	A
N0UR	57,024	C	A
K5IC	20,992	C	A
K5AM	15,312	C	A
K7IA	13,248	C	A
N5DO	257,920	C	B
W5TM	232,848	C	B
(W5AO, op)			
N7KA	227,520	C	B
N5AW	166,320	C	B
N5CHA	135,196	C	B
W5KFT	666,576	C	C
(K5PI, op)			
W0SD	387,504	C	C
(W0DB, op)			
N6ZZ	384,272	C	C
W5VX	349,056	C	C
K2BA	329,360	C	C
NX5M	1,752,912	D	A
K0DU	696,924	D	A
KR0B	591,624	D	A
KD0S	524,560	D	A
W0NO	506,506	D	A

West Coast Region (Pacific, Northwestern and Southwestern Divisions; Alberta, British Columbia and NWT Sections)

W6AQ	135,240	A	A
NK6A	78,300	A	A
WA6FGV	64,064	A	A
W6YRA	52,268	A	A
(WA6AYI, op)			
W7CD	22,960	A	A
K8IA	745,752	A	B
N7LOX	423,192	A	B
WN6K	333,330	A	B
W6OA	207,774	A	B
ND2T	163,500	A	B
K6AM	1,380,600	A	C
W0YK	845,000	A	C
K6RB	636,852	A	C
N6NF	612,900	A	C
KF6T	497,092	A	C
W7YA	70,560	B	A
WR6WR	56,576	B	A
WA9NBU	1,632	B	A
AH6RH	384	B	A
W7UPF	162,830	B	B
W7ZR	139,836	B	B
AB6GS	115,416	B	B

KC6SEH	112,858	B	B
KH6GMP	58,370	B	B
K7RL	271,980	B	C
K7ZSD	254,656	B	C
K6HNZ	218,762	B	C
WA0KDS	163,030	B	C
W7WVW	157,360	B	C
W7RAB	101,716	C	A
(KH7YDW, op)			
K7MM	53,600	C	A
N6WG	52,360	C	A
N7YY	16,132	C	A
KL7FDQ	10,672	C	A
VE7UF	215,232	C	B
KG6ERO	198,560	C	B
N6JW	179,712	C	B
W7UQ	177,216	C	B
(KL9A, op)			
KA7T	166,160	C	B
N6RO	432,256	C	C
KC7V	316,992	C	C
W7TG	313,632	C	C
K7BG	267,948	C	C
W7YS	221,120	C	C
W6YX	1,177,648	D	A
KH7U	886,440	D	A
K6KM	758,450	D	A
KY7M	633,000	D	A
K6XX	423,440	D	A

Africa EA8/DJ10J

EA8/DJ10J	562,744	A	B
5U7JB	372,600	A	C
(N4HX, op)			
CN8KD	341,406	B	B
EA9GW	6,536	B	B
EA8AJO	5,120	B	B
CT3FC	45,640	B	C
EA8/SM6CUC			
	25,740	C	A
EA8CN	175,812	C	B
CN8YR	50,400	C	B
EA8NQ	42,580	C	B
5X1X	25,376	C	B
(K3JT, op)			
ZS1EL	47,040	C	C

Asia JA1BPA

JA1BPA	29,890	A	A
RX9AM	22,914	A	A
VU2UR	7,040	A	A
JJ4CDW	1,080	A	A
B4TB	240	A	A
A45WD	294,196	A	B
(YO9HP, op)			
UA9SP	54,280	A	B
E21EIC	45,210	A	B
9M2TO	31,280	A	B
RV9AZ	28,910	A	B
RG9A	300,404	A	C
(UA9AM, op)			
HS0ZDG	118,534	A	C
UA9CDC	102,718	A	C
UA9MA	100,960	A	C
4X1VF	82,536	A	C
JH7RTQ	2,888	B	A
RV9BJ	2,100	B	A
JA2MWW	1,184	B	A
UA9JRF	8	B	A
4X6DK	29,700	B	B
4Z5LZ	13,440	B	B
4Z5FLM	6,882	B	B
JA1SWB	3,744	B	B
JA1KK	3,168	B	B
A61AJ	259,166	B	C
(S57CQ, op)			
JA7OWD	34,200	B	C
TA5FA	7,540	B	C
JT1DA	7,280	B	C
JH1OCC	7,200	B	C
JA2IU	4,104	C	A
JR1NKN	2,580	C	A
RV9COI	2,520	C	A
JH1NXU	640	C	A
RA0LQ	600	C	A
TA2ZF	125,692	C	B
RV9VZ	75,920	C	B
TA3DD	50,172	C	B
HS0ZDZ	43,516	C	B

RA9FLW	34,768	C	B
VR2BG	202,584	C	C
5B4AHA	186,000	C	C
RA9MA	64,024	C	C
4Z5FW	58,560	C	C
RA9SG	58,400	C	C
JY9QJ	103,076	D	
JE1ZWT	82,142	D	

Europe SP4GFG

SP4GFG	17,572	A	A
UR6QS	7,380	A	A
SV1XV	5,504	A	A
DL1DQY	5,476	A	A

known as the upper Midwest.

Sometimes the Single Operator High Power categories look like a version of *The Beatles* "Helter Skelter" by the time all is said and done. But in 2003, there was a comfortable margin of victory for each of the W/VE winners at this power level. Bob, N4BP was involved in the closest contest, CW Only, but pulled out the win. In a bittersweet twist, this was the last ARRL Contest for one of contesting's shining lights, and someone I was personally honored to call my friend, Jim White, K4OJ. Jim's second place finish to Bob in this category will be remembered, not because of the score of the place, but as another reminder of the skill and talent of an exceptional man. Thanks OJ and 73.

In the Single Operator High Power Phone Only, the "battle of the bands" was in Texas, where Chuck, W5PR, was able to prevail over Ken, WM5R, who was operating from the continually developing K5TR station. Jeff, WC4E, brought home top honors in the Mixed Mode category by a substantial margin over John, K6AM, who was one of the few West Coast stations to make a Top Ten Box appearance.

The W/VE Multioperator category was won by NE4AA—the club call for the Sarasota Emergency Radio Club. Runner-up in the category NX5M led a crew of eight top-flight operators against NE4AA, whose "secret weapon" is no secret—the operators of K1TO and K6AW are considered among the absolute best in the world. Makes me think of *Billy Joel's* "Pressure" when you see these titans go head-to-head.

While they may not have won overall categories, there are a lot of stations not ready to start singing *Elton John's* "I Guess That's Why They Call It The Blues." In many cases, only a few contacts or multipliers separated outstanding efforts in Top Ten Boxes or in various regions. It didn't get much closer than the fight for 3rd place in the Single Operator Mixed Mode Low Power category, where Tom, WD5K, edged John, KD2RD, operating as K2Z, by a mere 282 points or the finish for 8th place in Single Operator Phone Only Low Power, where Robert, KT3RR, squeezed by Mike, AB6GS, by only 150 points. Another great finish was Larry, W0ETC, hanging on to 5th place in the Single Operator Phone Only QRP category by a scant 548 points over Dennis, KK0Q.

"We are the World"—DX Competition

Some of the winners repeated in 2003; some changed. Exciting QTHs such as ZD8, P4 and D4 were replaced by interesting locales like 3D2, CX and PY. A study of the DX competition becomes an interesting exercise in geography. The Americas, Africa, Asia, Europe, Oceania

—no matter where you look, it seems they had representatives in the non-W/VE top scores. The lower latitudes definitely seem to hold an advantage during the waning years of sunspot activity. The competitions for the overall DX winners featured one close finish, a few tight contests, as well as a couple with large margins of victory. And even though no new overall records were set and sunspots were few, as always, the DX stations seemed to enjoy the competitive nature of the event.

The Single Operator QRP categories evoked images of "The Limbo Rock" sung by *Chubby Checker*, with the power mantra of "How low can you go?" Well, with 5 W or less on CW Only, Parva, CX2ZQ, brought home a win to Uruguay by more than doubling the score of runner-up Enrique, EA4BF. The Phone Only winner emerged from Puerto Rico as Jose, WP4EDD, topped the 300K-point level to hold off the challenge from Carlos, TI2KAC. The closest overall finish on the DX side was Icko, JA1BPA, beating Freddy, PY3YD, by a scant 2626 points.

While several groups "Heard It Through The Grapevine," our grapevine source on the Single Operator Low Power categories apparently ran through Argentina, as two of the three winners hailed from the Southern Hemisphere. Hugo, LU1EWL, scored a 52k point victory over Raul, CO8ZZ in the CW Only category. Hugo's countryman, Juan, LU4DX, held off a tighter challenge from Mohamed, CN8KD (23k) in the Phone only category. In the Mixed Mode category, we find Bruce, ZF2NT, as a repeat winner, posting a substantial margin of victory over Manuel, EA7RM.

For the Single Operator High Power operators, the song might just be *Belinda Carlisle's* "Heaven Is A Place On Earth," since they truly rose to the top of the crop of contesters in the 2003 event. Simone, IV3NVN, operated the ZY3X station to first place in the CW Only category with Raul, CX7BY, placing second in the standings. Using the call FY5KE, Didier, FY5FY, managed to be a repeat champion, this time in the Phone Only category. Placing second was Stan, K8MJZ, guest operator at WP2Z. Oceania was the locale for the final Single Operator champion as Boban, YZ1AU, grabbed his slice of "heaven" operating as 3D2YU in the Mixed Mode category. Jiri, OK1RI, placed second to Boban in the category.

The DX Multioperator competition seemed to be a mix of *The Beach Boys* "Fun Fun Fun" and *The Eagles* "Take It To The Limit" as three groups broke the 2Meg point threshold and vied for top honors. In the end, the operators at LT1F brought home first place, with the crews

at PJ2T and P40K close on their heels.

As in the W/VE competitions, not all of the really close races were found at the top of the box score. Consider the CW Only QRP scores, where only 8840 points separated YT7TY, GW4ALG, EA8/SM6CUK, G4EDG and G3YMC between 3rd and 7th places overall. Only 216 points separated EA1BZ and LU5EVK in the Phone Only QRP category, while 279 points separated F5NBX and EM3J (UU2JZ, op) in the Mixed Mode High Power arena.

"Copacabana"—A Red-Hot Affiliated Club Competition

About one-third (773) of the total entries participated in the ARRL Affiliated Club Competition. Remember that in order for your club to compete, it must be a current, full ARRL affiliated club. Also, DXpeditions are not eligible for inclusion in this club competition event.

The Unlimited category ended up as a duel between the Potomac Valley Radio Club and the Florida Contest Group. PVRC used a 26-log advantage to beat FCG by 823k points. Want to bet the FCG develops a strategy to increase submissions for 2004? The Central Texas DX and Contest Club had only a few logs (14) but big scores (average score of 347,024) to win the Medium category. The Yankee Clipper Contest Club held on to second place over a group of hungry clubs in the category, including the Frankford Radio Club, the emerging Contest Club Ontario, and the Minnesota Wireless Association. The Local category saw the CT RI Contest Group hold off stiff challenges from the Columbia-Montour ARC and the Livermore ARK to win a coveted club gavel. Congratulations to all of the participants upholding the honor of their clubs!

The Sunspots, My Friend, Will Come Back Once Again

Expanded coverage of the 2003 ARRL 10 Meter Contest can be found on the ARRLWeb at www.arrrl.org/contests. There you will find some interesting sidebars, expanded soapbox comments, and photographs recounting the experiences of the 2003 participants. We haven't reached the end of Cycle 23, so the odds of outstanding conditions for the 2004 ARRL 10 Meter Contest are, shall we say, similar to the title of the great *Moody Blues* album "Days of Future Passed." We will have to wait and see what the weekend of December 11-12 holds as far as propagation for this year's event. But we will also all anxiously bide our time, waiting for, as *Tracy Chapman's* song declares, "New Beginnings." QST

AD6KA	52,704	368	72	B	C	K6UJW	15,264	145	53	B	C	W7UQ (KL9A, op)						KE7NT	25,704	254	51	B	B
N6UB	714	22	17	B	C	AA6DX	50,600	235	55	C	B		177,216	625	71	C	B	NQ7Q	10,620	118	45	B	B
KG6ERO	198,560	687	73	C	B	K6CTA	71,500	330	55	C	D	KA7T	166,160	681	62	C	B	N7JT	7,440	124	30	B	C
ND6P	8,580	65	33	C	B	K6RIM	369,352	889	137	D	KJ7TH (+KW7N)						W7CA	62,720	319	49	C	B	
W6TPQ	560	14	10	C	B	K6OWL	44,208	197	72	D		228,448	861	121	D								
K6SE	94,120	361	65	C	C																		
WA6BOB	33,660	170	51	C	C																		
KN6Y (+WA6KYR, KG6JWZ, +logger)	39,368	181	76	D																			
Orange						San Joaquin Valley						Montana						Michigan					
AD6FR	88,540	291	95	A	B	K6MI	1,406	28	19	A	A	WN7Y	528	17	12	A	A	N8NM	38,160	173	60	A	A
K6EY	39,184	159	79	A	B	N5VWN	1,350	25	15	A	A	N7VMR	46,080	241	72	A	B	N8NX	68,816	289	92	A	B
K6RJ	27,872	195	67	A	B	KF6CNV	79,610	283	95	A	B	W7YM	38,550	201	75	A	B	WD8S	48,706	225	71	A	B
WA6WPG	19,840	114	64	A	B	K6CSL	19,282	168	31	A	B	WA7MT	19,380	164	57	A	B	W8JY	133,836	461	114	A	C
KN6N	4,512	48	24	A	B	K6GBB	12,720	157	40	A	B	K7ABV	173,982	721	107	A	C	W8JUZ/T	29,666	263	57	A	C
W6ZL	2,320	44	20	A	B	W6FRH	149,500	469	115	A	C	K5T7	17,888	112	43	A	C	KC8PQY	2,500	51	25	B	A
K6AM	1,380,600	2226	195	A	C	WK6I	116,160	331	110	A	C	AB7RS	42,880	325	67	B	B	AB8ND	1,710	45	19	B	A
WA6OGO	93,670	310	85	A	C	K6XJ	42,300	282	75	B	C	KC5YED	14,144	141	52	B	B	K8NMU	30,104	287	53	B	B
KB7V	43,624	166	82	A	C	W17F	13,248	154	46	B	B	NB7V	3,402	66	27	B	C	K8OWS/T	8,480	106	40	B	B
W7YA	70,560	420	84	B	A	K16PG	3,420	57	30	B	B	N7YY	16,132	115	37	C	A	KB8ZOY	6,156	82	38	B	B
WA9NBU	1,632	34	24	B	A	AC6WS	2,300	50	23	B	B	KL7FDQ	10,672	97	29	C	A	WA8AEN	1,040	28	20	B	B
KA6GMA	6,800	101	34	B	B	KA6GDT	98	8	7	B	B	KB7Q	41,944	221	49	C	B	WA8YLZ	252	14	9	B	B
N6VNI	4,884	74	33	B	B	KA6BIM	66,156	451	74	B	C	N7MSU	40,180	252	41	C	B	N8OL	56,316	362	78	B	C
WA6GFR	2,288	44	26	B	C	K6YV	7,216	91	41	B	C	KE7NO	13,568	111	32	C	C	W8JWN	52,260	340	78	B	C
W1HIJ	7,320	62	30	C	A	K2VCO	105,400	409	65	C	B	K7BG	267,948	835	81	C	C	K8DJR	8,740	95	46	B	C
AC6VN	131,100	479	69	C	B	KN6YD	25,192	133	47	C	B	W7ED (KK7VC, N7GS, N7FLT, ops)	55,428	439	62	D	N8AP	65,268	266	63	C	A	
WD0AVV	49,720	237	55	C	B	K6QK	120,456	304	126	D							W8MJ	153,792	548	72	C	A	
W6SJ	22,464	121	48	C	B	W6TE (+WA6LUT, KF6ZSW, AA6GE)	96,160	597	80	D							W8RU	13,984	92	38	C	B	
K6LG	17,712	114	41	C	B	N6EE	92,300	360	65	D							K8SIA	11,832	88	34	C	B	
AD6WL	14,208	97	37	C	B							N7ON	48,100	199	74	A	B	N8VEN	4,560	60	19	C	B
K6NR	73,840	358	52	C	C	Sacramento Valley						KC7NUP	19,710	114	45	A	B	W88RFB	1,392	29	12	C	B
W6KK	73,424	359	52	C	C	N26N	690	23	15	A	A	W7RN (K5RC, op)	263,712	897	123	A	C	K8IR	106,680	386	70	C	C
						W6RFF	72,210	244	87	A	B	WA7CWM	138,710	476	97	A	C	K8TJ	100,620	397	65	C	C
						WB6KOE	198	10	9	A	B	KQ6MU	41,900	419	50	B	B	N8EA	38,060	175	55	C	C
						KF6T	497,092	1072	151	A	C	K7ACZ	23,552	185	64	B	B	K7XB	14,280	102	35	C	C
						K16T	14,592	94	48	A	C	W7PW	4,650	75	31	B	B	ND5S	256,888	493	163	D	
						WR6WR	56,576	416	68	B	A	W6SA	27,122	125	71	D	KB8BSG (+N8UZE)	10,320	101	43	D		
						AB6GS	115,416	694	84	B	B							K8ELY (N8NJE, N8MMF, N8MP, ops)	5,696	89	32	D	
						KC6SEH	112,858	777	73	B	B	Oregon						K8GC (W8AFI, N8PWY, N8ZZF, K8OQB, KA8UZE, K88URH, ops)	3,432	62	26	D	
						N6QZS/M	3,328	64	26	B	B	N6PZ	33,768	153	67	A	B						
						NU6T	28	7	2	B	B	N7VS	4,914	69	27	A	B						
						N6JV	179,712	628	72	C	B	WA7ND	59,024	382	68	A	C						
						W6CWM	60,696	291	54	C	B	K3DUWV	48,496	433	56	B	B						
						N76K	18,864	132	36	C	B	K7VIT	13,288	152	44	B	B						
						KC6MEI	12,480	106	30	C	B	WR7X	9,976	118	43	B	B	Ohio					
						WT6G	313,632	980	81	C	C	N7XB	2,208	48	23	B	B	K8BL	179,826	431	129	A	A
						W6NKR	47,096	205	58	C	C	N5ZR	112	8	7	B	B	N8IE	62,244	226	91	A	A
						K6KM (K6LRN, W6SR, ops)	758,450	1547	175	D	K7ZSD	254,656	1396	92	B	C	N8XA	39,840	202	83	A	A	
						W6DGW	210,320	547	110	D	N7OU	148,472	561	67	C	B	W8VE	28,072	160	58	A	A	
						ND6S	150,228	523	117	D	K7ZUM	108,092	462	61	C	B	K8NVR	149,296	402	124	A	B	
						W6RKC	45,600	202	57	D	W7YAQ	95,040	362	66	C	B	K8FH	94,248	283	99	A	B	
												W3CP	29,516	159	47	C	B	K8VUS	40,050	167	75	A	B
						7						AA7IH	15,984	111	37	C	B	W8EH	9,152	73	32	A	B
						Alaska						N7OR	15,128	123	31	C	B	K8RT	5,346	79	33	A	B
						KL7FH	4	1	1	A	B	Utah						N9AG	837,790	1339	199	A	C
						AL1G	136	10	4	A	C	WA7YAZ	79,236	340	62	A	B	WA8TNO	171,120	414	138	A	C
												W7GCC	9,324	70	42	A	B	NS8O	123,656	332	116	A	C
												W7UT	457,184	938	157	A	C	N9RC	93,524	305	103	A	C
												KB6BYU	4,088	73	28	B	B	AB8NI	16,536	112	53	A	C
												W7HS	36,888	158	58	C	B	N8VZ	30	5	3	A	C
												AK7O	8,520	72	30	C	B	KC8QAE	13,630	146	47	B	A
												W7KB (+KB5ULT)	267,696	1069	117	D	K88UDV	1,406	37	19	A	A	
																		W8DD	121,540	593	103	B	B
																		N8BV	28,000	251	56	B	B
																		KB8UUZ	18,120	151	60	B	B
																		N8XVU	10,944	119	48	B	B
																		KA8ZMY	3,364	59	29	B	B
																		W7CD	22,960	140	56	A	A
																		N7XY	14,792	111	43	A	A
																		N7LOX	423,192	1049	132	A	B
																		W7QN	87,984	297	94	A	B
																		WA6AWD	45,500	200	70	A	B
																		W7LRD	21,780	184	55	A	B
																		N7JB	5,328	66	24	A	B
																		K7GK	274,670	663	121	A	C
																		W7LKG	14,440	100	38	A	C
																		AJ7Y	2,596	59	22	B	B
																		KG7P	2,070	45	23	B	B
																		WA7CCR	216	12	9	B	B

W9CEO	39,606	212	69	A	B	KE9S	116,112	712	82	B	C	KF0GV	54,896	258	94	A	C	VO1TA	137,082	742	93	B	C
N9TF	36,120	154	70	A	B	W9JA	26,752	182	76	B	C	K0SR	37,164	199	57	A	C	VO1MP	118,260	369	81	C	C
N9NA	11,424	85	34	A	B	N9NE	60,480	257	60	C	A	KC0LBT	37,044	205	54	A	C						
N9KHR	9,240	88	33	A	B	KB9S	94,984	391	62	C	B	N0IM	21,714	128	47	A	C	Quebec					
K9ZA	8,772	75	34	A	B	W9ERW	17,316	112	39	C	B	WA2MNO	1,204	23	14	A	C	VE2AWR	194,304	464	128	A	B
K9OZ	5,720	60	26	A	B	W9AEM	9,216	48	48	C	B	KA0ZIA	16,218	153	53	B	C	VE2DSK	4,290	56	33	A	B
K9PLX	5,208	73	28	A	B	W9OA	3,276	39	21	C	B	W0GHZ	12,792	124	52	B	B	VA2KSH	1,848	36	14	A	B
W9AFR	4,144	76	28	A	B	N9CK	177,480	513	87	D	C	N0WBO	5,320	97	28	B	B	VE2DC	34,104	170	84	A	C
N9OH	792	24	12	A	B	KB9KEG	6,696	78	31	D	D	N2DUP	4,212	78	27	B	B	VA2UK	8,036	99	41	B	B
K9UQN	106,700	337	97	A	C	K9OSH	5,600	56	25	D	D	K0BDI	4,144	77	28	B	B	VE2CU	72,960	228	80	C	B
N9GH	63,828	264	81	A	C							N0PI	2,728	63	22	B	B	VE2FFE	7,080	60	30	C	B
N9AZZ	62,884	343	79	A	C	0						K0VH	22,572	199	57	B	C	VE2OWL	3,108	37	21	C	B
K9BGL	58,254	229	73	A	C	Colorado						WB0N	15,738	189	43	B	C						
W3HDH	27,880	129	68	A	C	KI0II	2,160	35	18	A	A	K0UH	1,116	31	18	B	C	Ontario					
KF9US	45,260	310	73	B	B	W0ETT	276,924	704	141	A	B	N0UR	57,024	266	54	C	A	VE3DZ	346,112	626	169	A	B
KC9AMM	24,704	195	64	B	B	KF0UR	204,464	640	104	A	B	N0BU	41,280	216	48	C	B	VE3XD	176,730	422	137	A	B
W9JTT	14,688	144	51	B	B	N0IBT	24,244	141	58	A	B	K0TK	21,280	133	40	C	B	VE3BW	141,712	365	136	A	B
KD9AC	14,178	141	51	B	B	K7VT (K0UK, op)						W0HW	16,800	100	42	C	B	VE3AGC	105,280	343	112	A	B
KB9CJS	7,490	107	35	B	B							KN0V	16,576	112	37	C	B	VA3PL	95,460	275	111	A	B
K9VIC	6,468	100	33	B	B	N3AIU	19,656	111	52	A	B	N0QA	7,696	76	26	C	B	VA3IX	38,038	180	77	A	B
N9TUQ	5,760	98	30	B	B	K0YW	557,120	1218	160	A	C	K0IR	7,168	64	28	C	B	VE3CRU	29,568	160	66	A	B
W9AN	4,080	68	30	B	B	W0ZP	161,280	536	96	A	C	WB0TRA	720	22	9	C	B	VA3XRZ	11,696	99	43	A	B
N9MBR	3,588	70	26	B	B	W0DET	42,924	187	73	A	C	K0CAT (K9WIE, op)						VE3RCN	3,276	43	26	A	B
WD9GJK	1,444	38	19	B	B	W6OAL	8,170	96	43	A	C		43,584	229	48	C	C	VE3AT	812,322	1368	189	A	C
N0ICV	1,292	34	19	B	B	KK0Q	27,000	225	60	B	A	K4IU	42,552	199	54	C	C	VE3KZ	573,420	1046	190	A	C
W9HL	600	20	15	B	B	WW0WB	13,536	144	47	B	A	W0YU (K8GU, op)						VA3DX	205,296	414	156	A	C
WN9GUC	342	19	9	B	B	WB0BLV	11,224	126	46	B	B		21,432	142	38	C	C	VA3NR	62,376	223	92	A	C
KB9ZDD	80	8	5	B	B	AB0YM	1,656	40	23	B	B	KR0B (+N0BKL, KJ0B, KS0T, KB0KQA, N0RA, K0KP)						VE3EJ	22,684	112	53	A	C
K2AAW	136,800	469	75	C	B	N0VD	192,774	1086	89	B	C		591,624	1280	162	D	D	VE3AKJ	16,524	153	54	B	B
N9B3	101,088	319	81	C	B	W0LSD	180,668	964	94	B	C	K0AD	118,524	368	102	D	D	VE3BDN	10,656	111	48	B	B
K9CW	82,688	272	76	C	B	W0RUN	177,480	995	90	B	C	W0EF (K0BUD, KN0F, K0AD, W0G0M, WB0N, N0MGK, KC0LBT, W0AMT, KC0QJP)						VE3TW	6,264	87	36	B	B
K9CS	76,380	287	67	C	B	N0SXX	68,768	315	56	C	B	W0BN (+K0SUV, K0SVP)						VE3MGY	2,400	50	24	B	B
KX9DX	44,744	246	47	C	B	WB0DUL	20,672	153	34	C	B	K0SVP (+KC0RY)	26,592	190	48	D	D	VE3NMQ	1,400	35	20	B	B
W9J9	39,396	199	49	C	B	N9CO	5,040	64	20	C	C		16,116	113	51	D	D	VA3KA	225,108	1021	111	B	C
NN9K	34,408	192	46	C	B	N0HF	112,024	422	67	C	C							VE3IGJ	288	9	8	C	A
N9OF	15,120	128	30	C	B	K0GU	10,476	98	27	C	C							VE3KP	65,208	252	66	C	B
W09LF	10,976	99	28	C	B	K0DU (+K0CL, K0UK, N0ZA)	696,924	1656	162	D	D							VE3OM	57,120	204	70	C	B
N9BOR	7,560	70	27	C	B	K0GAS (+KJ0G)	446,020	1092	145	D	D	Missouri						VA3RJ	33,320	170	49	C	B
K0OR	7,316	61	31	C	B	W0CP (+K0ZV)	83,600	396	95	D	D	KJ0C	1,254	23	19	A	A	VA3SY	32,760	200	45	C	B
NE9A	4,840	57	22	C	B							W0YZZ	22,361	121	59	A	B	VE3IAY	28,440	161	45	C	B
AG9A	1,144	22	13	C	B							K0DEQ	382,432	864	152	A	C	VE3SPW	20,480	127	40	C	B
W9YYG	190,960	633	77	C	C	Iowa						K0DAN	107,540	568	95	A	C	VE3UKR	17,120	108	40	C	B
K9FY	120,060	440	69	C	C	WA0IAF	16,848	99	42	A	B	WA0FOK	15,300	150	51	B	B	VA3HUN	364	13	7	C	B
W9VA	69,936	282	62	C	C	W0ETC	27,548	195	71	B	B	K0DAT	11,684	127	46	B	B	VE3PN	128,320	406	80	C	C
KG9N	47,400	237	50	C	C	KB0BLV	25,560	213	60	B	A	AC0N	10,396	114	46	B	B	VA3UA	53,572	232	59	C	C
K19A (+WE9A)	620,490	1163	185	D	D	K0E0V	3,888	81	24	B	B	K0GOB	2,280	60	20	B	B	VE3NE	40,768	199	52	C	C
N2BJ	532,688	1380	169	D	D	K0EFH	1,224	34	18	B	B	K0COM	111,888	387	74	C	B	VA3EC (+VE3HG, VA3GGF, VE3RZ, VE3QHV)	268,596	566	162	D	D
KC9ARR (+K9QVB)						W0PPF	25,544	206	62	B	C	K0RWL	63,104	274	58	C	B	VA3ARG (+VE3UDK, VA3DYF, VA3ADF, VA3CXK, VE3CFQ, VE3CT, ops)	6,256	95	34	D	D
W9CRS (N9LAH, N9AKR, ops)	441,792	997	144	D	D	KB0ENE	13,440	160	42	B	C	K0S0M	48,240	201	60	C	B						
	94,446	439	99	D	D	KE0FT	17,440	110	40	C	B	K0ZHT	9,280	77	29	C	B						
A19L	3,344	41	22	D	D	KB0JSH	10,500	108	25	C	B	AE9B	262,472	774	86	C	C						
N9BT	1,344	26	14	D	D	KB0CRG	8,424	81	27	C	B	W0VD	174,032	602	73	C	C	Manitoba					
						AD4OS	2,028	40	13	C	B	KB0VVT (+K0G0S)	490,656	1085	152	D	D	VE4YU	55,632	242	76	A	B
						K0IU	64,660	273	61	C	C	K0JPL (+N5TN)	287,076	731	141	D	D	VC4X	17,340	147	51	A	B
Indiana																		VE4RA	2,310	55	21	B	B
W9AU	318,546	651	153	A	B	Kansas												VE4VID	280	22	7	B	B
KA9F	124,120	356	116	A	B	N0AG	108,114	393	111	A	B	North Dakota											
W9HLY	34,788	147	78	A	B	K0XM	79,344	243	116	A	B	K0UD	2,268	38	18	A	B	Saskatchewan					
K9WWT	12,768	97	38	A	B	K0BJ	46,070	174	85	A	B	WD0DAI	2,132	42	26	B	B	VE5SF	96,936	370	84	A	B
W9IU	486,720	989	156	A	C	KA0BHO	13,724	101	47	A	B	KC0HXF	1,632	48	17	B	C	VE5ZX	68,850	257	81	A	B
W9RE	415,400	858	155	A	C	KF0M	7,896	67	47	A	B	K0VX	11,200	80	35	C	C	VE5UF	63,900	236	75	A	B
K9NW	271,040	643	140	A	C	KU0KU	30	3	3	A	B	N7IV (+W0FOB)	58,302	222	79	D	D	VE5CPU	52,950	302	75	A	C
W9SN	79,608	311	93	A	C	W0BH	232,192	692	128	A	C							VA5DX	75,600	507	75	B	C
K9LA	53,418	250	87	A	C	N0VMW	15,190	155	49	B	A	Nebraska											
N9KT	2,184	52	21	B	A	KC0DEB	22,230	196	57	B	B	KT0K	226,200	552	130	A	B	Alberta					
WA1MKE	46,136	294	79	B	B	KA0EIC	7,560	90	42	B	B	N0WY	42,076	314	67	B	B	VE6SF	41,464	188	73	A	C
N9WVV	5,056	79	32	B	B	WB0YJT	5,394	90	29	B	B	N0LGU	19,936	178	56	B	B	VE6FI (VE6AQ, op)					
N9DR	1,716	41	22	B	B	W0IE	1,892	43	22	B	B	KB0ARZ	17,936	152	59	B	B						
W9NY	124,568	680	92	B	C	K0RH	211,200	1105	96	B	C	KC0GXY	10,710	127	45	B	B	VE6FN	20,052	231	61	B	C
KC9OP	11,468	122	47	C	B	N0UJ	41,600	262	80	B	C	W0MDS	10,080	127	40	B	B	VE6EX	125,952	499	64	C	B
N9QX	720	30	12	B	C	WB0UZM	560	28	10	B	C	KC0PUV	1,728	48	18	B	B	VA6DXD (VE6LB, op)					
KB9ZUV	7,280	76	26	C	A	KG0UA	62,880	262	60	C	B	K0XU	38										