

# RAC CANADA WINTER CONTEST – 2008 RESULTS

By Sam Ferris, VE5SF, Bart Ritchie VE5CPU and Bruce Rattray VE5RC/VE5QRP

Participation in the 2008 edition of the Canada Winter Contest were roughly the same as in 2007 with a total of 513 entrants, down just 4 logs from last year. However scores were generally down for most entrants due to propagation at the bottom of the sunspot cycle. This year new records were established in two categories: Single-Op Single Band 1.8 MHz (VE3MGY) and Single-Op All Bands Phone (VE5RAC). The CW only category seen the greatest number of entrants this year indicating an interest in contesting from CW op's.

## **SINGLE OP ALL BANDS LOW POWER**

Sam Ferris VE5SF retained first place this year with a score of 458,732. Tom Haavisto VE3CX captured second place by scoring 384,800. Alexey Yushib VE2XAA captured 3<sup>rd</sup> place in the winter contest with a score of 141,404. Al Law, VE3FZ took 4<sup>th</sup> place scoring 130,464, while Ed Henderson VE4YU took 5<sup>th</sup> with a score of 121,880.

## **SINGLE OP ALL BANDS HIGH POWER**

Glenn Wyant, VA3DX captured the first place SO-AB-HP, with a score of 389,270. Second place went to Bart Ritchie, VE5CPU with a score of 346,640. Michel Gilbert, VA2RF placed third with a score of 257,868. Joel Weiner, VE6WQ joined the top scorers in 4<sup>th</sup> place scoring 240,900. Once again Art Tolda, VE3UTT, captured fifth place in the SOABHP category with a score of 227,504. Within the SOABHP category Don Coulter, W9IU captured the Tony Allsop Memorial for the highest scoring single op foreign entrant with a score of 202,104

## **SINGLE OP SINGLE BAND**

With a score of 74,480 Sylvan Katz won the overall SOSB crown this year using the 20 metre band. Robert Nash, VE3KZ took second overall SOSB place with a score of 52,520 with his 40-metre band entry. Third place in the overall SOSB was taken by Jeff Wilson, VE3FRX with 29,232 points on the 80 metre band. On a band-by-band breakdown, Brian Campbell, VE3MGY, took top band honours and a new 160 metre single band record with a low power score of 23,902. Jeff Wilson, VE3FRX took the 80 metre band honours using low power with a score of 29,232. As noted above Robert Nash, VE3KZ, took first place on 40-metres with a high power entry scoring 52,520 and Sylvan Katz gained 1<sup>st</sup> place in 20M with a score of 74,480 using high power. Honors for 15-metre Single-Op were taken by Alberto Silva, LU1DZ, from Argentina. There were no single operator entrants in the 10, 6 or 2-metre bands.

## **SINGLE OP – QRP**

Thomas Warren, K3TW returned to first place yet again in the SO-AB-QRP category with a score of 124,236. Once again Doug Ferris VA3DF took second place with a score of 113,000 followed by David Stephenson VE9QRP with a 3<sup>rd</sup> place score of 33,000. Robert MacKenzie, VA3RKM took 4<sup>th</sup> place this year with a good QRP score of 31,752 up one place from last year and ahead of Dan Alwin KE0G in 5<sup>th</sup> scoring 24,418.

## **SINGLE OP – ALL BAND- CW**

This year the CW only category was the most popular category with 131 entries. Top honors for the category go to Bill O'Kain, K4LTA with a score of 150,156.

Second place is awarded to Victor Androsov, VA2WDQ with a score 142,650 up from 4<sup>th</sup> place last year. Third place was taken by Ralph Parker, VE7XF with a score of 117,078. Fourth place goes to Rick Carrier, WB8JUI with a score of 68,020. Fifth place goes to Walter Ohnesorge, N4AAI with a score of 66,176.

## **SINGLE OP – ALL BAND - PHONE**

The third winter running of SO-AB-Phone attracted 66 log submissions, down slightly from last year. Bj Madsen, VE5RAC claimed first place and an all time new category record with a score of 158,040. Second place goes to Ed Richardson, VE4EAR with a score of 136,192. Garry Hammond, VE3XN took third place with a score 94,464. Fourth place goes to Peter Bell VA3XH who scored 75,454 points. Fifth place is awarded to Ken Tucker, VO1KVT with a score of 75,350.

## **MULTI-OPERATOR SINGLE-TRANSMITTER HIGH POWER**

Alex Barski VE3KF with assistance from packet claimed the Multi-single high power category with a score of 187,738. Closely behind in second place in the category were the operators of VE1LD of the KCARC in Nova Scotia with a score of 177,792, up one place from last year. Third place was taken by VE6KD and VE6AMT at VE6KD in Alberta with a score of 122,688.

## **MULTI-OPERATOR SINGLE-TRANSMITTER LOW POWER**

This year VA3GKO and VE9BK at VA3GKO took top honours in the Multi-Single Low Power category with a score of 121,052. Operators at the Kamloops

Amateur Radio Club, VE7UT took second place from BC with a score of 73,480. Third place in the category was captured by N0BK from Minnesota with a score of 65,760.

### MULTI-OPERATOR MULTI-TRANSMITTER

Once again this year, operators at VE6RAC (VE6JY) claimed top honors in the MM category, a first place repeat from this fine station, with a score of 1,256,028.

Operators of VE3MIS captured second place in the category with a score of 624,000. Once again this year third place was captured by the Calgary Amateur Radio Association, VE6AO with a score of 551,712.

### CANADA WINTER CONTEST – 2008

Your contest managers sincerely appreciate the increased use of Cabrillo based log entries. Cabrillo files significantly reduce the workload associated with producing the contest results. Current versions of popular contest programs such as CT, NA, Super Duper and TR produce Cabrillo files that can be readily handled by new scoring software developed by VE5CPU. Dedicated, free of cost, DOS based software available from the RAC website also produces readily usable reports. As in the past we will continue to accept paper logs and other electronic logging formats so it is easy for everyone to send in an entry. If you are submitting a paper log, we would appreciate, if possible, receiving summary sheets prepared in accordance with the format set out in the official rules and which provide a breakdown of VE, RAC, DX contact and a multiplier total. This will make compiling and checking of logs an easier and quicker process.

Thanks and congratulations to all for participating in the 2008 running of the Canada Winter Contest and good luck in 2009. Operator comments are available on the RAC website.

73 .... Sam, VE5SF  
Bart, VE5CPU  
Bruce, VE5RC/VE5QRP

### Multiops List:

Multi Call	Operators
DL0UM	DL7FER, DL9YDH
EA1CS	EA1CS
EA2DK	EA2DK
EW8ZO	Nina Surina eu8mm and Vecheslav Kucher EW8MM.
K2DSL	K2DSL
KE6QR	KE6QR
N0BK	N0BK
N2BJ	N2BJ
N4DW	N4DW
N9BT	N9BT
NF7T	NF7T
RK2FWN	UA2DC
UA4RZ	UA4RZ
VA3GKO	VA3GKO, VE9BK
VA3RAC	VA3RAC, VA3RKM, VE3XK,
	VE3IAE, VE3FFK, VE3TW,
	VA3DGN, VE3ZTU, VE3TLY,
	VA3RJ, VE3BNO
VA7JC	VA7JC
VE1LD	VE1FA, VA1YL, VE1WT,
	VE1MT, VE1QY, VE1BZE
VE3DC	VA3DJ, VE3BK, VE3DCU,
	VE3GCP, VE3QEE, VE6LK
VE3MIS	VA3JK, VA3NMI, VA3OBR,
	VE3CWU, VE3IMG,
	VE3MA, VE3XAP
VE3KF	VE3KF

VE3RM	VA3NPL, VA3OV, VA3ZAK,
	VE3AP, VE3JM, VE3OKK,
	VE3RM, VE3TKN,
	VE3WIB, Doug
VE3SWA	VA3CBE, VE3BHZ, VE3OAV
VE3XAT	VE3XAT
VE3YAA	VA3YP, VE3DQ, VE3FJ,
	VE3KAO, VE3SSR
VE5PV	VE5FF, VE5FN, VE5WI,
	VA6RQ, VE6EZ
VE6KD	VE6KD, VE6AMT
VE6NC	VE6NC, VE6LE, VE6KG,
	VE6BRV, VE6DXX
VE7NA	VA7RS, VE7BGP, VA7ANI,
	VE7GBK, VA7MJL, VA7CIP,
	VE7GDE, VE7FCO, VE7JLO
VE7RAC	VA7AM, VA7JW,
	VA7CAE, VA7JMO
VE7SCC	VE7HH
VE7UT	VE7WWW, VE7ALN, VE7CV, VE7TWF, VE7PR
VE9ML	VE9ML, VE2CJR
VE9RAC	VE9MY, VE1TAY
VO1RAC	VO1CLT, VO1BQ, VO1GES,
	VO1HC, VO1GXG, VO1EBH,
	VO1TA, VO1DK
W2YC	W2YC
W4RK	W4RK
W5WMU	W5WMU, KI5XP
W7JY	W7JY, W7BBQ
WB0GAG	WB0GAG

## Soapbox:

VA3DX: Lots of fun, but not enough free time Big Party here cut down on QRV time

VE3DC: Visitors only: VA3TVW, VE3WKG, VE3RYI and wife Laura

We had a few operator changes this year with the newer hams getting more involved in contesting. It was great to have a more relaxed contest, finding out what the weather was like in Newfoundland and generally having some QSOs, not just contesting. We had a bit of a flood at our Contest Site but if anything, it gave us better grounds and definitely did not dampen our contesting spirit. Thanks to all that worked us and hope to see you in the next contest. 73 Rick VE3BK

IK2SND: txn to all participant, and Canadian operator, great contest. Ciao Daniele panseri

RW6AHO: TNX ,73!!!

AC0DH: As always, the Canadian operators are efficient and courteous!

VE2HAY: The freezing rain detuned the 40mt inv. V. Apart from the 80mt contact with ve6rac, quite ordinary: No BC, no Territories, no NL, but a last minute VY2.

VE6KD: poor band conditions but had fun anyway

VO2NS: Bands were very noisy, Suggest the contest be held other than Christmas time. SD is a joy to use, simple and very effective.

EA2CCG: just for a cold winter afternoon two dozens of QSO

F5UKL/QRP: Poor conditions

F6DXE: It was fun, I had build new Bobtails on 40m this Saturday when I heard the RAC calls. I decided to give some points to the participants in CW. Just few hours but it was fun. Dick (Didier) F6DXE

G0MTN: Conditions not great, but pleased to work some VE friends.

G4DBW: lecraft K3 5 watts output inverted vee dipole  
G6CSY: Where was the activity? 40m dead for most of the contest!

Heard one VO1 station but too weak to work. Very disappointing.

G7RTI: Very poor conditions ....

HA5LZ: many thanks for the nice contest!

IW0HLZ: STAZIONI CANADESI IN FONIA NULLE

K6GEP: Tnx for the fun contest. CU in July.

KC4ABC: Operated portable from Everglades National Park. Conditions were good, just did not put in the hours !! V. little activity heard from Canadian Maritime Provs. SD logging worked a treat.

KD2MU: Used my K2 with 135 foot dipole, just wish my signal was louder than the noise.

KE7NVA: Thanks to everyone who was willing to operate in the U.S. General license class portion of the band. I was hoping to make more contacts, though, especially in Canada.

KJ4AOM: Thanks RAC!!!

KL2R: My first RAC Winter Contest. Nice pace. A real pity I had to interrupt the fun with repairing the shack heater. It's headed for 40 below! 73

LU4MHQ: CONGRATULATIONS HAPPY NEW YEAR  
2009 SUPER DUPE the best support in contest  
MM5AHO: noisy band and little VE activity heard on 80m  
N4PN: WAS OUT OF TOWN ON SATURDAY, SO  
COULD ONLY PUT IN A FEW HOURS ON FRIDAY  
NIGHT...SORRY TO MISS THIS ONE

N5PU: Wish I had had more time to operate!

N8QE: While I didn't have much time, I enjoyed making the few contacts I did.

N9BT: Lots of fun, but I had to keep looking at the radar. Bad storms today. I wish you had an assisted category for us who use the DX cluster.

OM3BA: Nice contest, but condx here vy poor, sri.

ON5WL: Interesting contest but with low condx on 20 m it is difficult to work many VE stations. But I enjoyed working in this contest. 73 Till next year

VA2RF: il devrais avoir au minimum une station officiel qui opere dans chacune des province.ceci dit c'est un beau concours. merci,73.

VA3GKO: Great contest as usual.

VA3RKM: K2, 5w, verticals and wires. Another enjoyable day of operating!

VE2JCW: Very bad condx for me .. ice on my antenna (bad propagation but I had fun)

VE3CUI: Some obvious conflict on 160-meters on the occasion of the Stew Perry 160-Meter Challenge --- but that's OK as it all served to merely DOUBLE a Topbender's pleasure!!

VE3EJ: 12 RAC Bonus stations worked.

VE3GSI: Despite some local noise Friday night I got off to a good start. Saturday morning when I started back in the contest I soon had to quit as I was not feeling all that well and stayed in bed for most of the day. When I did get to operate, the bands seemed ok and I was able to pick up some points and give out a few Qs from ON land when I could. Look for my log in LoTW soon. HNY everyone.

VE3MGY: still some confusion with the SPTB contest overlap for some U.S. stations who were obviously not in the RAC contest... However 160 was in excellent shape and i enjoyed a run of Europeans at their sunrise on saturday morning.

VE7NA: Another Great Contest.. Allowed some of the New Ham's to get a Taste of Contesting. Great to share the Holiday Season with Friends Across North America  
W2FCP: Single Operator, licensed as General for 3 weeks.

W7JY: Great contest as usual

WA2RY: Lots of fun. Thanks!

WB8JUI: I periodically checked 10 meters hoping for something..., anything..., but it just wasn't to be. Maybe it's time think about sacrificing some chickens to the propagation Gods???

WD8RYC: Great fun, many new friends, thank again.

4A1DXXE: Very bad condx and very difficult with low power.

AE1T: Good operators and lots of fun again this year. Perfect timing on the weekend after Christmas. Great way to relax!

CT1BWW: big thunderstorm and lightning during night!  
Raining  
and high noise all the time! Solar flux 68 k-2 very poor propagation conditions! I will be back next year i'm sure with better conditions best regards for everybody participants and committee  
DK3RED: Don't forget: the fun is the power!  
J11ALP: Thanks for nice Contest. NP3CW: First time on this contest. A lot of activity. Able to work 20,40 and 80 meter bands in CW. Hope to do better next year. Julio  
VE3NCQ: I bet that not many people have had to stop operating during the RAC Winter Contest because of a thunderstorm! Not only did we have a series of storms on Friday night, but they left the bands a crackling mess that was worse than Canada Day. Even without the static, the bands were in very poor shape. I didn't hear 10m open at all, and only heard some CW on 15m. I was hoping to make the most of 20m but it didn't cooperate either. I didn't catch any stations from the Territories. I was surprised that there seemed to be more operators on CW this year, but I think that's a testament to the poor conditions. Let's hope the sunspots start developing in time for Canada Day.  
VE7JKZ: Enjoyable as always  
VE3KPP: AS USUAL THE SD LOGGING PROGRAM WORKED GREAT  
W2LHL: On 40m, where was Manitoba?  
WA3GNW: Enjoyed working the contest from South Carolina on 40 meters CW only!  
HA2MN: Due to very poor condx it was not my brightest performance. Many thanks for Qs, see you next year! Rig TS-530SP 100 W into a end-fed 21 mtrs long wire above flat roof.  
EA3FF: better than last year  
W7DRA: first major contest effort using 1930s equipment: for an RX I had a 35/51 regen detector and two stages of tube type 56 audio, with a 41/42 MOPA driving the main station amp, a 211. I got all my contacts by S&P which was difficult to say the least. The transmitter worked fine, but the receiver lacked dynamic range, showing the need for an RF stage, to be able to be able to back off the regen control. An interesting experience though....  
VE5SF: Fun as always!  
W6AFA: THIS CONTEST WAS FUN!!  
EC1KR: A FANTASTIC CONTEST See you next year with best propagation.  
W8KNO: Played the contest did not work it.  
NE1RD: I made just a handful of contacts while mobile on a busy day.  
EA8MQ: The spread in 15m badly, but the RAC is a great contest and very good for to do DX until to next QSO, 73  
VA3RNJ: Love the contest. Glad I could squeeze in a few hours to have some fun.  
W9QL: Thank you for another fun Winter Contest. I was unable to work as long as I would have liked due to a freak December lightning storm in Chicago! See you next year.

N6ML: Casual effort by a couple of new-kid phone ops (N6ML and N6WM), and a CW veteran (N6RO) at a great station (N6RO). Had a lot of fun. Thanks for all the Qs.  
N1NN: 4TH CANADA WINTER CONTEST  
VE6STP: Portable in Fernie, BC w/ Battery operated FT-817/MJF-1899T  
WB2L: General DX Log  
VE6RAC: operating at VE6JY  
YV7QP: fb contest  
UA6HF1: RADIO: FT920 ANTENNAS: GP-40 RQ32-20  
W7JAZ: My first RAC contest. Thanks!  
VE6ECK: Had a great time in the contest  
VE4HUM: Usual fun but so many courteous operators makes this contest special.  
VE5EEE: operated from club station in Prince Albert  
NE7D: Just tuning up for the Stew Perry TBDC and first time in RAC test, but will be back for a serious effort next year.  
VE9REB: WHERE ARE THE RAC STATION ONLY HEARD 3, SOMEONE HEARD VY2RAC EARLY.  
W1END: Improving my score at a snail's pace. Let's hope the trend continues. This year I added 160M to my arsenal. Thanks to all and may the sun spots shine on us in the new year. Rig was TS830s (100W), Butternut HF6V, inv L and Log-EQF v9 software.  
VY2LI: Did my best to pass out the bonus points to as many stations as possible. Had hoped to mount a multi but plans fell through. I am not a CW op but tried to work as many as possible on that mode. Please excuse me for the many repeats and stuttery code. Hope we got into your log.73, Bill (no problems and thanks for the mults! – VE5SF)  
K3TW: Thanks again for another very enjoyable RAC Contest and congratulations to the fine Canadian operators for making it a great success."  
OK1KZ: TRX TS430S 80WAnt Dipole G5RV.

# **PLAQUE WINNERS - 2008**

## **Single Operator All Bands Low Power**

Sponsored by Contest Club Ontario  
Sam Ferris – VE5SF

## **Single Operator All Bands High Power**

Sponsored by Radioworld  
Glenn Wyant– VA3DX

## **Single Operator All Bands – QRP**

Sponsored by QRP Canada  
Thomas Warren - K3TW

## **Single Operator Single Band Any Authorized Power**

Sponsored by Elkel Products  
Sylvan Katz – VE5ZX

## **Single Operator All Bands CW**

Sponsored by the Maritime Contest Club  
Bill O’Kain – K4LTA

## **Single Operator All Bands Phone**

Sponsored by the Saskatchewan Contest Club  
Bj Madsen – VE5RAC

## **Multi-Operator Single-Transmitter High Power**

Sponsored by Alfa Radio  
Alex Barski – VE3KF

## **Multi-Operator Single-Transmitter Low Power**

Sponsored by the Mississauga ARC  
Greg Osmond, VA3GKO and Jean-Paul Leblanc, VE9BK  
at VA3GKO

## **Multi-Operator Multi-Transmitter**

Any Authorized Power  
Sponsored by Radioworld  
c/o Don Moman - VE6RAC

## **Single Operator Foreign Entrant**

Tony Allsop VE3FTA Memorial  
Sponsored by the Mississauga ARC  
Don Coulter – W9IU

## CANADA WINTER CONTEST RECORDS

AS OF DECEMBER 31, 2008

Call	Category	QSO's	Mult	Score	Year
VE6JY (op VE5MX)	SO-AB-HP	1676	129	1,344,180	2000
VX5SF (op VE5SF)	SOABLP	1510	109	1,002,800	2001
VE3JC	SO-AB-QRP	399	81	271,674	2001
VE3YOC	SO-SB-144MHz	82	2	1,464	1995
VY2SS	SO-SB-50 MHz	382	10	10,720	2001
ZF2NT	SO-SB-28 MHz	1127	23	100,832	1998
VE3KZ	SO-SB-21 MHz	873	20	75,040	1997
VE7AV	SO-SB-14 MHz	777	24	107,472	2000
VA3MO	SO-SB-7 MHz	525	22	72,644	2001
VE3BY	SO-SB-3.5 MHz	537	22	104,016	1997
VE3MGY	SO-SB-1.8 MHz	322	17	23,902	2008
VE7XF	SO-AB-CW	842	39	165,594	2007
VE5RAC	SO-AB-PH	774	36	158,040	2008
VX6JY	MS*	2092	132	1,476,024	2001
VA6AO	MO-ST-HP	1560	110	885,060	2003
VE3MIS	MO-ST-LP	1018	71	414,640	2007
VE6JY	MM	4311	122	2,725,236	1997

\* Category superseded in Winter 2003

## Scores Line Listing

### Single Operator All Band Low Power

Call	CDN	RAC	DX	MLT	QSO	Score
VE5SF	475	13	637	73	1125	458732**
VE3CX	387	20	465	74	872	384800*
VE2XAA	174	12	344	53	530	141404*
VE3FZ	171	12	233	54	416	130464
VE4YU	168	14	128	55	310	121880*
VE4MG	230	7	328	37	565	114552
VE3RCN	165	8	133	55	306	114180
VE2JCW	115	9	177	55	301	92620
VY2RAC	129	3	147	47	279	77268*
VE7WU	104	11	25	52	140	68120*
VE3NCQ	119	7	98	42	224	64092
VE7JKZ	150	5	145	30	300	56700
VE3JI	98	7	89	43	194	55814
VE3DMR	97	12	11	41	120	50512
VE2AWR	113	4	128	33	245	48378
W9LHG	82	6	93	37	181	41662*
K0HW	80	6	104	36	190	40608*
W9OA	79	9	88	33	176	37818
WA2MCR	71	9	59	37	139	37296*
K0CIE	74	11	19	33	104	32934*
WA2RY	77	6	94	29	177	31262
VE3JAQ	76	4	70	29	150	28420
VA3WR	68	7	35	31	110	27590
VE1RHP	118	5	60	17	183	23800*
VE3TMG	71	6	44	25	121	22950
AB4GG	47	8	46	31	101	22382*
WR9Y	55	6	41	25	102	18800
VA1SEA	70	4	26	22	100	18304
VA3YY	50	7	15	24	72	16080
VE4SN	40	7	23	27	70	15822
VE5AAD	57	3	83	19	143	15124
VO2NS	64	5	68	17	137	14892*
K4IU	42	7	1	26	50	14612
NF8M	33	6	35	27	74	14040*
VE3VO	44	3	90	19	137	12920
K0MPH	41	3	42	22	86	12188
VE6AX	35	9	24	21	68	12138*
WA0WWW	38	4	65	20	107	11800*
VE3OSC	44	3	67	18	114	11412
K6WSC	43	5	1	19	49	10108*
N4QX	35	6	24	17	65	8806*
VA2RIO	37	4	19	17	60	8296
VE3CLQ	29	6	10	17	45	7310
VE2EZD	24	4	36	16	64	6272
VA7CPC	25	3	30	16	58	5920
N6NF	24	4	34	14	62	5432
VA3WPV	21	2	28	14	51	4284
OK1BA	22	0	21	11	43	2882*
VE6DJT	14	4	18	11	36	2816
VE3VOG	17	2	7	11	26	2464
OK1KZ	17	1	27	9	45	2196
VE6VAC	14	2	4	9	20	1692
VE3HUT	15	2	3	8	30	1568

VA7GAP	8	4	8	8	20	1408
K8GT	15	1	0	8	16	1360
VE7YJ	12	3	4	7	19	1316
VO1BQ	11	0	16	8	27	1136
VE2GLA	8	2	13	7	23	1022
JA2AXB	5	2	17	5	24	620*
N6AJR	5	1	4	5	10	390
VE6NM	4	1	17	3	22	282
N7VS	3	1	7	3	11	192
LU8ADX	3	0	14	3	17	174*
JA6DIJ	1	0	14	1	15	38

### Single Operator All Band High Power

Call	CDN	RAC	DX	MLT	QSO	Score
VA3DX	353	18	400	83	771	389270**
VE5CPU	432	13	186	70	631	346640*
VA2RF	362	16	292	57	670	257868*
VE6WQ	224	12	366	75	602	240900*
VE3UTT	228	11	678	59	917	227504
VA1MM	262	13	555	54	830	215460*
W9IU	243	12	269	63	524	202104*
VE3TA	229	10	376	60	615	194520
W0BH	237	8	802	45	1047	186030*
VE3EJ	194	12	216	70	422	182840
NT6X	205	5	779	33	989	122364*
W0JPL	150	10	240	50	400	109000
VA3KA	147	16	110	50	273	100500
VE7IO	172	11	268	38	451	94088*
VO1UL	134	14	14	40	162	65920*
VE8EV	167	5	232	24	404	53616*
VO1MP	87	7	136	34	230	43588
WA0MHJ	111	5	101	29	217	40948
W4EEH	96	5	75	33	176	39930*
K1JB	84	3	186	27	273	34344*
KO7X	94	6	188	21	288	30156*
AL1G	109	3	194	18	306	27684*
K3WW	93	2	57	24	152	26016*
K2PS	51	6	80	28	137	22120*
KH6FI	62	7	109	22	178	21516*
EA3ATM	71	6	7	24	84	20256*
N3RJ	76	8	62	16	146	16704
W7GKF	42	3	26	26	71	13832
K6GEP	40	7	39	21	86	12978
W7KU	29	7	21	19	57	8968
K7ABV	30	2	38	19	70	7904
VE6RL	35	3	34	22	62	7876
ND3R	29	4	8	20	41	7720
VA7DM	29	3	52	13	84	5902
VE3JG	18	5	28	14	51	4704
G0MTN	21	2	43	10	66	3360*
VE2BIA	34	3	7	8	44	3312
KA6GDT	6	3	15	6	24	900

**Multi Operator Single Transmitter Low Power**

Call	CDN	RAC	DX	MLT	QSO	Score
VA3GKO	171	14	147	53	332	121052**
VE7UT	135	7	90	44	232	73480*
N0BK	108	11	35	48	154	65760*
VE6NC	88	12	89	40	189	51920*
VE3XAT	73	8	63	37	144	37592
K2DSL	58	8	22	22	88	17248*
N9BT	45	6	19	22	70	13376*
NF7T	42	6	46	20	94	12640*
VA7JC	33	2	30	18	65	7740
KE6QR	25	5	30	14	60	5740*
EA1CS	8	1	33	6	42	996*
EA2DK	3	0	93	3	96	648
RK2FWN	6	0	0	4	6	240*
EW8ZO	3	0	36	2	39	204*

**Multi Operator Single Transmitter High Power**

Call	CDN	RAC	DX	MLT	QSO	Score
VE3KF	229	11	336	59	576	187738**
VE1LD	272	8	412	48	692	177792*
VE6KD	269	13	229	36	511	122688*
W2YC	176	11	342	44	529	117216*
VE3DC	291	9	236	32	536	113984
W7JY	217	9	350	29	576	88450*
W4RK	63	7	96	26	166	25012*
N2BJ	67	9	54	23	130	22034*
N4DW	50	3	88	17	141	12512*
VO1RAC	85	1	69	10	155	10080*
WB0GAG	18	3	11	8	32	2096
DL0UM	18	0	34	8	52	1984*
UA4RZ	0	0	9	1	9	18*

**Multi Operator Multi Transmitter**

Call	CDN	RAC	DX	MLT	QSO	Score
VE6RAC	931	10	1402	102	2343	1256028**
VE3MIS	546	21	1220	75	1787	624000*
VE6AO	462	20	774	84	1256	551712
N6ML	477	17	700	71	1194	462210*
VE5PV	443	23	410	71	876	405410*
W5WMU	358	15	662	66	1035	343464*
VE3RM	323	13	805	64	1141	326400
VE3YAA	326	12	534	59	872	269512
VA3RAC	221	9	382	47	612	148238
VE3SWA	111	15	79	36	205	56448
VE7SCC	125	5	99	25	229	38700*
VE7NA	81	6	101	29	188	32828
VE9ML	89	6	21	26	116	27352*
VE7RAC	116	3	185	16	304	25440
VE9RAC	61	6	111	26	178	24752

**Single Operator All Band CW - Any Power**

Call	CDN	RAC	DX	MLT	QSO	Score
K4LTA	233	9	491	43	733	150156**
VA2WDQ	178	5	645	45	828	142650*
VE7XF	205	7	406	39	618	117078*
WB8JUI	115	8	240	38	363	68020*

N4AAI	140	4	294	32	438	66176
K6RB	150	6	278	30	434	65280*
K4BAI	146	7	278	29	431	62524
VO2FF	148	5	296	28	449	60816*
N5AW	113	5	180	38	298	60420*
VE3RZ	119	6	310	31	435	59830*
NS9I	135	8	176	32	319	59584*
VE3EK	130	6	262	30	398	58320
IQ2CJ	151	3	406	24	560	57168*
NA4K	125	8	235	30	368	56400
VA7ST	119	3	331	29	453	55448
N4TB	119	7	214	30	340	52740
VE3XL	107	5	354	28	466	52584
VA7KO	91	8	99	33	198	41844
VE1DT	102	3	330	24	435	41760*
VA3ATT	89	4	154	32	247	40896
K2SX	83	8	134	32	225	40256
K5NZ	88	7	133	31	228	39866
K5UV	117	4	181	24	302	38688
VE3GSI	74	5	296	27	375	38664
K6SRZ	102	4	159	24	265	34032
VE3KAO	89	6	115	27	210	33480
NB4M	74	6	120	28	200	30800
W9RE	87	5	0	31	92	30070
K7IA	86	4	176	22	266	28424
VE3FH	65	7	74	29	146	27202
DL5YYM	69	3	335	19	407	26980*
VE3NE	68	1	198	24	267	26304
W1END	65	6	101	24	172	23328*
AE1T	70	3	138	21	211	21756
NG7Z	78	3	136	19	217	21128*
KQ7W	71	3	128	20	202	20520
K8JQ	69	0	185	19	254	20140
KN5H	66	3	121	19	190	18278
W4YE	61	4	33	22	98	16632
WK2G	81	3	158	14	242	16604
KD2MX	52	6	109	19	167	16302*
EA8MQ	50	0	197	17	247	15198*
N4ZZ	51	2	124	18	177	14364
W5QP	45	7	60	20	112	14200
W1CCE	48	3	65	20	116	13400
EA8CN	49	4	86	18	139	13356
VO1HE	50	4	78	18	132	13248
VE6LB	41	5	89	18	135	12384*
N2CU	40	4	77	19	121	12046
K3TX	51	2	95	16	148	11840*
W1QK	47	0	132	15	179	11010
W3DQN	49	5	70	15	124	10950
VA3PEN	47	3	50	17	100	10710
K6AAB	42	2	67	18	111	10692
HK3Q	47	4	70	15	121	10350*
W4NZ	35	5	61	16	101	9152
W7NNN	37	2	115	13	154	8320
N8BJQ	33	5	62	15	100	8310
YL2BJ	34	2	96	14	132	8008*
W0AEM	40	4	1	16	45	7712
KD6WKY	31	4	47	15	82	7260



W8KNO	26	3	4	10	33	3280
EA8CER	26	2	8	10	36	3160*
VE4BAW	22	2	13	11	37	3146
KD8CAO	21	5	1	10	27	3120
N7UR	17	4	15	11	36	3080
N7DRK	20	2	10	11	32	2860
VE6TD	16	4	12	10	32	2640
VA3PC	20	3	7	9	30	2466
VY2GM	20	2	7	9	29	2286*
AE6YB	20	3	9	8	32	2224*
VE6GGF	16	1	16	10	33	2120
VA2IC	29	0	4	7	33	2086
VE1RR	16	4	0	10	18	2000
KK1X	14	3	8	8	25	1728
KB0OLA	15	1	5	9	21	1620
W7SUR	13	1	6	9	20	1458
W7JAZ	11	2	9	8	22	1344
EA2CCG	16	2	6	6	24	1272
VA3DZ	8	4	7	7	19	1218
VE7SJV	8	0	6	8	14	736
NB4F	6	2	0	7	8	700
VE3ZIN	10	0	11	5	21	610
KC2OGR	6	1	5	5	12	450
KE7NVA	5	0	10	4	15	280
N8QE	3	1	0	2	4	100

**Single Operator Single Band**

Call	CDN	RAC	DX	MLT	QSO	Score	Band	Pwr
VE3MGY	84	5	233	17	322	23902*	160M	LP
VA7XX	61	2	166	13	229	12766*	160M	HP
W3GH	62	2	121	14	185	12628*	160M	HP
VE5UF	48	2	85	15	135	10350*	160M	HP
N4PN	53	2	109	13	164	10244*	160M	HP
VE6SF	37	2	31	14	70	6608*	160M	HP
9A2AJ	15	0	88	10	103	3260*	160M	HP
VE2DWA	21	1	15	9	37	2340*	160M	HP
VA7MM	13	1	13	4	27	704	160M	LP
VE7BS	7	1	6	4	14	408	160M	LP
VE3CUI	4	1	10	4	15	320	160M	HP
W6NF	6	1	3	3	10	258*	160M	LP
NE7D	6	1	0	3	7	240	160M	LP
W7DRA	4	1	5	3	10	210	160M	LP
VE3FRX	128	6	112	18	246	29232*	80M	LP
N3UA	95	3	120	16	218	20000*	80M	HP
VE4TV	77	2	41	10	120	8920*	80M	LP
VA3JWR	32	4	13	10	49	4260	80M	HP*
VO1TA	30	1	83	8	114	3888*	80M	HP
VE3RHD	40	2	17	8	59	3792	80M	LP
MM5AHO	25	1	101	8	127	3776*	80M	HP
XE2YWH	13	1	11	5	25	860*	80M	LP
UY5ZZ	9	0	5	4	14	400*	80M	HP
EC1KR	5	0	17	4	22	336*	80M	HP
YL2PP	5	0	6	4	11	248*	80M	LP
SP5GH	5	1	0	3	6	210*	80M	HP
OK2EQ	7	0	0	2	7	140*	80M	HP
LY9A	0	0	13	1	13	26*	80M	HP*
VE3KZ	186	6	323	20	515	52520*	40M	HP
VE1SKY	103	4	88	14	195	18004*	40M	LP
VA2AN	40	2	24	14	66	6832*	40M	HP*
KA9O	52	1	67	10	120	6740*	40M	LP
OH6M	30	1	172	7	203	4648*	40M	HP
WA3GNW	35	2	51	8	88	3936*	40M	LP
W2LHL	27	2	16	10	45	3420*	40M	LP
K9WX	24	1	49	8	74	2864	40M	LP
CT1ANO	19	0	35	7	54	1820*	40M	LP
DL4FN	17	0	64	5	81	1490*	40M	LP
YT8A	14	1	28	6	43	1296*	40M	LP
F6DXE	17	1	30	5	48	1250*	40M	HP
N5PU	12	0	14	5	26	740*	40M	LP
CT1BWW	9	0	11	4	20	448	40M	LP
LU4MHQ	7	0	35	3	42	420*	40M	LP
OK2QX	5	0	29	3	34	324*	40M	LP
UW8SM	7	0	14	2	21	196*	40M	HP
S51DX	2	0	24	2	26	136*	40M	HP
VE2KHC	4	0	0	3	4	120	40M	LP
4L6QC	1	0	48	1	49	106*	40M	LP
LZ1DNY	1	0	43	1	44	96*	40M	LP

**Single Operator All Band QRP**

Call	CDN	RAC	DX	MLT	QSO	Score
K3TW	184	13	168	51	365	124236**
VA3DF	162	9	230	50	401	113000*
VE9QRP	76	9	30	33	115	33000*
VA3RKM	61	9	46	36	116	31752
KE0G	69	7	6	29	82	24418*
VE3CW	52	3	34	35	89	22680
N2WN	50	3	65	21	118	14490*
K4KSR	49	4	15	20	68	12000
WA4SM	37	3	62	16	102	8864
KS4X	36	6	14	15	56	7620
VE3LC	31	2	44	14	77	6132
VE3OWO	25	5	9	15	39	5520
WB0IWG	32	3	11	11	46	4422
VE7BQO	28	2	45	9	75	3690*
K4PBY	23	1	28	10	52	3060
LU5DYV	18	1	30	8	49	2080*
KD2MU	18	1	8	9	27	1944*
KI4FW	17	1	27	5	45	1220
W2AU	9	2	17	7	28	1148
HA6IAM	9	0	34	7	43	1106*
K2QO	15	0	30	4	45	840
US5VX	10	0	17	5	27	670*
G4DBW	10	0	15	4	25	520*
VE6STP	3	1	5	4	9	240*
IK1RAC	4	0	7	3	11	162*
KR2Q	4	2	0	2	6	160
VA2SG/PM	5	0	8	2	13	132*
F5UKL/QRP	1	0	33	1	34	76*
RW3AI	1	0	19	1	20	48*

UT3EK	1	0	42	1	43	94	40M	LP	G7RTI	4	1	1	4	6	248*	20M	LP
LZ5ZI	2	0	10	2	12	80	40M	LP	VA3NOE	4	2	1	3	7	246	20M	LP
YU7PG	2	0	6	2	8	64	40M	LP	LU5CAB	4	1	5	3	10	210	20M	LP
UA6AK	0	0	29	0	29	58*	40M	HP*	EA4TX	14	0	25	1	39	190	20M	HP
N1WQ	2	0	2	2	4	48*	40M	LP	N1ADY	4	1	0	3	5	180	20M	LP
N9HDE	2	0	12	1	14	44	40M	LP	SP4LVK	7	0	0	2	7	140	20M	LP
RU9CD	1	0	14	1	15	38*	40M	LP	VE5ZC	4	0	6	2	10	104	20M	HP*
G6CSY	0	0	12	1	12	24*	40M	LP	IW0HLZ	4	0	5	2	9	100	20M	HP
UA3QIX	0	0	7	1	7	14	40M	HP	7J1AQH	1	1	2	2	4	68	20M	LP
UT2IO	0	0	5	1	5	10	40M	HP*	RA6MS	2	0	7	2	9	68	20M	LP
RV9CQ	0	0	3	1	3	6	40M	LP	YL2HK	0	0	34	1	34	68	20M	LP
VE5ZX	258	5	522	20	785	74480**	20M	HP	RW1CW	2	0	6	2	8	64	20M	LP
EA4KD	73	4	141	19	218	20748*	20M	HP	SM7BJW	2	0	5	2	7	60	20M	LP
W6AFA	116	5	201	10	322	16620*	20M	HP	YO7BGB	2	0	2	2	4	48	20M	LP
N5ZK	91	2	164	11	257	14058*	20M	HP	NE1RD	1	1	2	1	4	34	20M	LP
VE3UZ	37	7	11	18	55	9576*	20M	LP	SP9MZH	2	0	3	1	5	26	20M	LP
EA5AID	71	3	27	11	101	9064	20M	HP	EA8BQM	1	0	6	1	7	22*	20M	LP
VA3ATW	27	6	18	9	51	3834	20M	HP*	JR0BUL	1	0	1	1	2	12	20M	LP
YO5CBX	22	2	72	9	96	3636*	20M	HP	W2FCP	1	0	1	1	2	12	20M	LP
KR2AA	27	2	82	6	111	2844*	20M	LP	DL7UGO	1	0	0	1	1	10	20M	LP
I0QM	22	1	21	10	44	2820*	20M	HP	HB9TSA	1	0	0	1	1	10*	20M	LP
VE2HAR	17	4	19	8	40	2304*	20M	LP	OK2BEN	1	0	0	1	1	10*	20M	LP
W6DPD	19	3	3	7	25	1792	20M	LP	VE3AJ	1	0	0	1	1	10	20M	LP
LW3EX	20	2	18	6	40	1656*	20M	HP*	VE8DW	1	0	0	1	1	10*	20M	LP
K7NWM	12	3	12	7	27	1428	20M	LP	OK2KFK	0	0	2	1	2	4	20M	HP
WA5ZUP	10	3	6	8	19	1376	20M	HP	RU3SE	0	0	2	1	2	4	20M	HP*
EU8RZ	14	0	40	6	54	1320*	20M	LP	VK4TT	0	0	2	1	2	4*	20M	LP
WA7PVE	11	1	20	7	32	1190*	20M	LP	LU1DZ	19	0	36	5	55	1310*	15M	LP
EV1R	16	1	6	6	23	1152	20M	HP	AB0OX	8	1	4	3	13	324*	15M	HP
VE7JT	17	1	17	5	35	1120*	20M	LP									
F6DRP	20	0	7	5	27	1070*	20M	LP									
N8WAV	10	2	5	7	17	1050*	20M	LP									
LR4E	10	1	25	6	36	1020	20M	LP									
YU7KM	14	0	31	5	45	1010*	20M	LP									
LY4G	13	1	25	5	39	1000*	20M	LP									
YO8DOH	13	0	15	6	28	960	20M	LP									
YL1S	10	0	34	5	44	840*	20M	HP									
JE1LFX	14	1	50	3	65	780*	20M	HP									
IK5WGK	11	1	0	6	12	780	20M	LP									
US1PM	11	1	11	5	23	760*	20M	LP									
UX0UW	13	0	8	5	21	730	20M	LP									
DL5KUR	8	2	12	5	22	720*	20M	LP									
UT5ECZ	9	0	23	5	32	680	20M	HP									
SP3AZO	10	0	16	5	26	660*	20M	LP									
SA1A	9	0	16	5	25	610*	20M	HP									
RX6AM	11	0	13	4	24	544*	20M	HP									
SP8BAB	7	0	19	5	26	540	20M	LP									
NJ4F	7	3	1	4	11	528*	20M	HP									
VE5EEE	12	1	10	3	23	480	20M	HP*									
JA2CUS	9	0	30	3	39	450	20M	HP									
AE6RR	4	2	4	5	10	440	20M	LP									
VE7DXU	6	2	4	4	12	432	20M	HP*									
JA2XYO	5	1	34	3	40	414	20M	HP									
AD1L	5	1	4	5	10	390*	20M	HP									
I7PXV	7	0	11	4	18	368	20M	HP*									
RA3BQ	2	2	31	3	35	366	20M	HP*									
RK6CM	8	0	7	3	15	282	20M	LP									

**Checklogs**

DK3RED

SM0BRF

OH3WD

OK2BNC

HP\* - Assumed High Power  
 Call \* - Assumed High Power  
 Score\* - Certificate Winner  
 Score\*\* - Plaque Winner