

2013 CW Open – Results

Sponsored by CWops and ICOM America

August 31, 2013

Introduction and Summary

The CW Open consists of three separate four-hour sprints known as “sessions.” The objective is to work as many CW stations worldwide as possible within each session. Each station may be worked once per band in each session. Entry can be made to any or all of the sessions. Each session is scored separately. Entries into multiple sessions are added together to form a combined score. Additionally, there is a team competition, which is unconstrained by geographical location.

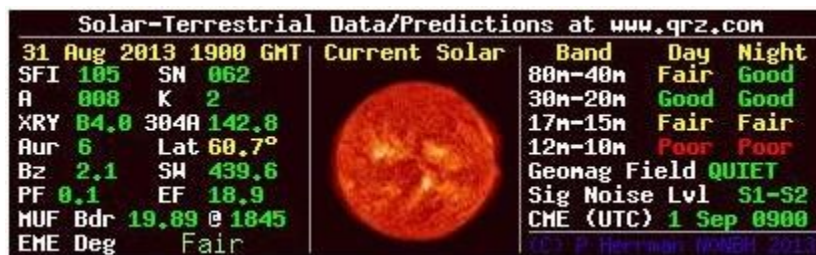
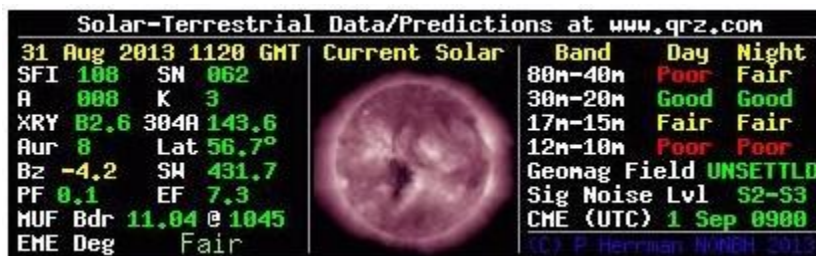
On August 31, the sessions were as follows: 1: 0000–0359z, 2: 1200–1559z, 3: 2000–2359z.

The awards provided by **ICOM America** are beautiful and consist of trophies and plaques. Please be sure to check out ICOM at: <http://www.icomamerica.com/en/amateur/>

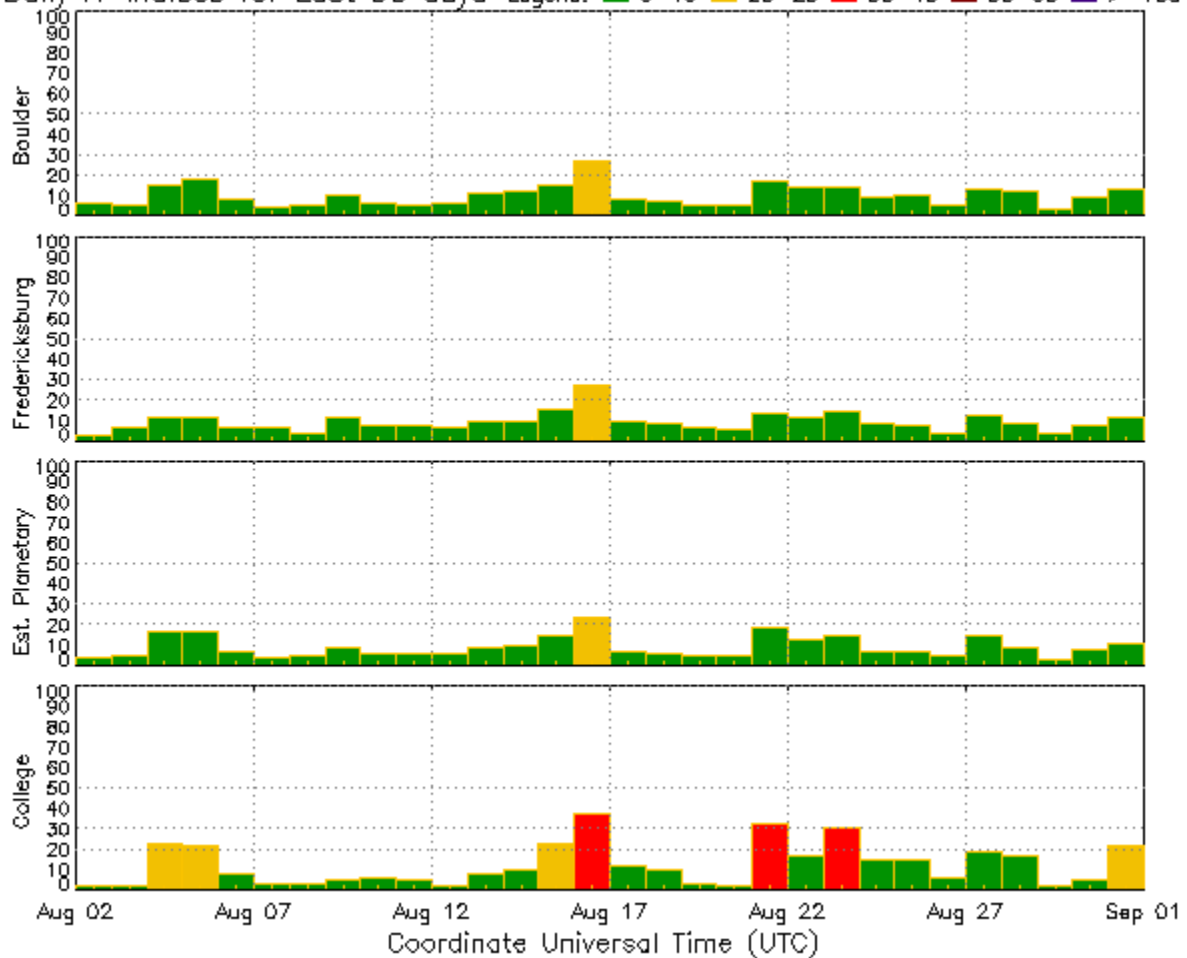
International participation skyrocketed this year to 94,723 QSOs (29,419, 36,934, 28,370; Sessions 1, 2, and 3 respectively) and 847 logs were submitted and adjudicated (257, 337, 253; Sessions 1, 2, and 3 respectively). Excellent activity from everywhere! In addition to the scores, please be sure to read the soapbox comments for all three sessions. The soapbox is a great place to gain information on actual operations and experiences.

Conditions and Propagation

Conditions were OK, but certainly not excellent. Here are a few informative charts:



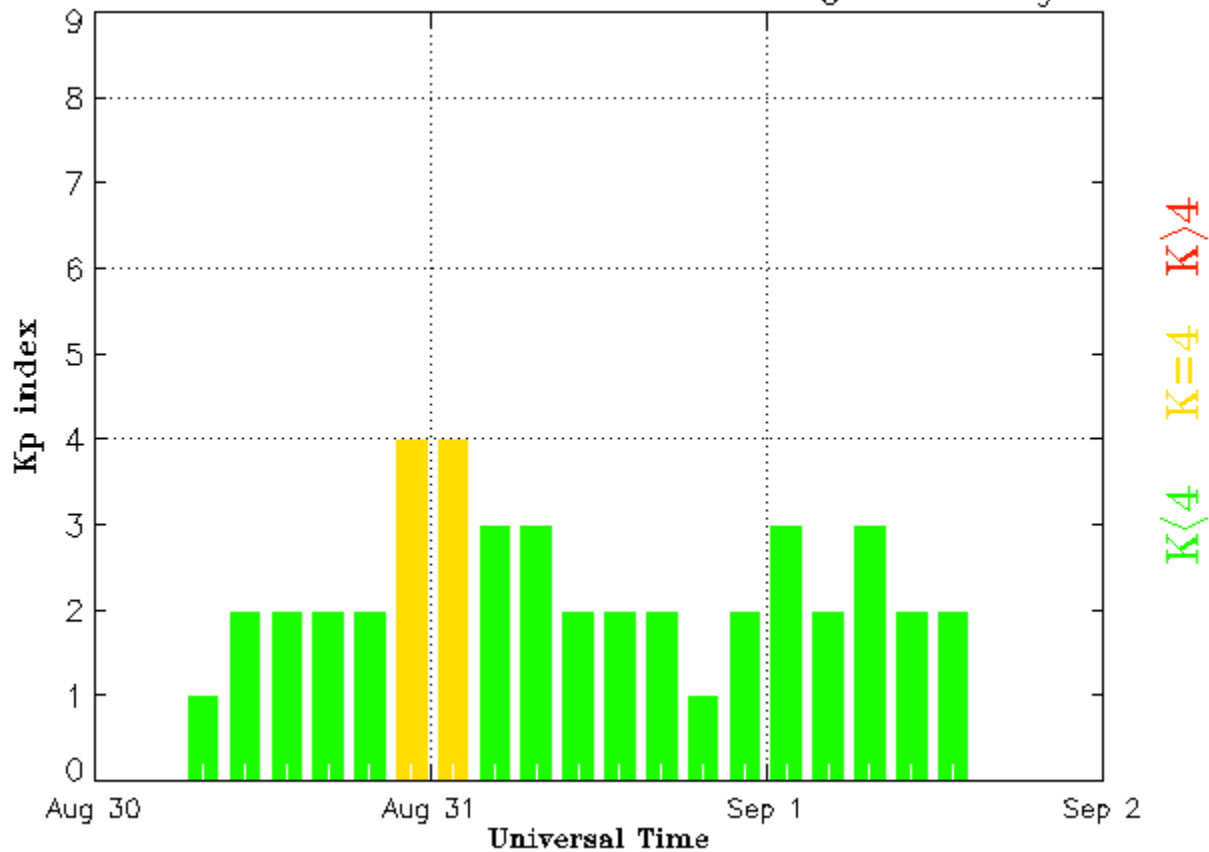
Daily A-indices for Last 30 days Legend: 0-19 20-29 30-49 50-99 >=100



Updated 2013 Sep 1 1631

NOAA/SWPC Boulder, CO USA

Estimated Planetary K index (3 hour data) Begin: 2013 Aug 30 0000 UTC



Updated 2013 Sep 1 16:30:10 UTC

NOAA/SWPC Boulder, CO USA

2013 Results – General Comments

The overall results are presented by session (1, 2, 3), by power level (HIGH, LOW, QRP). These tables are located in separate PDF files on the CWops website. Top Ten lists were then created by session and power level to highlight the fine achievement of the leading Ops. These Top Tens are located below. Additionally, tables were created to illustrate the top combined scores, which are also listed below. Finally, the team competition is discussed and summarized near the end of this report. Plaques and Trophies will be mailed soon!

A Note on Log Checking

All submitted logs were checked for accuracy and scoring issues. Every log received was checked by computer to cross check each and every QSO. If the "other" log was available, all parts of the QSO were checked. If a QSO was uncheckable because the other log was not available, then some parts could still be checked by recognizing that others who worked the same station had similar (in most cases exact) reported exchange information.

All log checks resulted in a RPT (report) file detailing each and every deduction. If you would like to receive your RPT file, let us know with an email to CWO@cwops.org.

A Note on Accuracy

There were plenty of Golden Logs! Session 1: 7; Session 2: 11; Session 3: 14. Golden Logs are error-free and contain 50 or more QSOs. The Golden Logs are highlighted in Gold in the results. Of special mention with two Golden Logs each:

Ned K1GU (Session 1: 297/163, Session 3: 267/206)

Mark KI0I (Session 1: 152/97, Session 2: 50/47)

Mitch NW0M (Session 2: 145/104, Session 3: 156/123)

Even with the complicated CWO exchange, several Ops had QSO error rates below 1%. Check out the Top Ten boxes below to see how the leaders did in terms of accuracy.

Even though all logs are checked by computer, there is human intervention in generating the results documents. Please check your scores and send us a note if we made a mistake (CWO@cwops.org).

Thanks to CWops and ICOM!

<http://www.cwops.org/>

<http://www.icomamerica.com/en/amateur/>

Special Thanks to the fine Ops around the World that participated in the 2013 CW Open.

See you next year on September 6, 2014! Details here: <http://www.cwops.org/cwopen.html>

Top Tens – Session 1

Session 1

Call	Operator	Station	Name	QSOs	Mults	Score	Busts	P	SO2R	Assisted
AA3B	AA3B	AA3B	BUD	418	214	89452	9	HIGH	Y	Y
N4AF	N4AF	N4AF	HOWIE	376	219	82344	12	HIGH	Y	Y
NO3M	NO3M	NO3M	TY	412	198	81576	3	HIGH	Y	N
K0RF	K0RF	K0RF	CHUCK	380	214	81320	8	HIGH	Y	Y
K5OT	K5OT	K5TR	LARRY	368	198	72864	5	HIGH	Y	N
WJ9B	WJ9B	WJ9B	WILL	348	201	69948	9	HIGH	Y	N
W1FJ	W1FJ	W1FJ	AL	355	193	68515	13	HIGH	N	N
N6RO	N6RO	N6RO	KEN	356	192	68352	11	HIGH	Y	N
N1LN	N1LN	N1LN	BRUCE	328	201	65928	10	HIGH	N	N
W4NZ	W4NZ	W4NZ	TED	341	181	61721	3	HIGH	Y	N

Call	Operator	Station	Name	QSOs	Mults	Score	Busts	P	SO2R	Assisted
W1UJ	W1UJ	W1UJ	JAY	317	177	56109	3	LOW	Y	N
W1RM	W1RM	W1RM	PETE	276	193	53268	8	LOW	N	Y
VE3DZ	VE3DZ	VE3DZ	YURI	314	169	53066	4	LOW	N	N
N7XU	N7XU	N7XU	DICK	283	186	52638	9	LOW	Y	Y
W1NN	W1NN	W1NN	HAL	301	172	51772	4	LOW	N	N
K0AD	K0AD	K0AD	AL	276	156	43056	4	LOW	Y	N
KU8E	KU8E	KU8E	JEFF	261	161	42021	10	LOW	N	N
W3KB	W3KB	W3KB	KEITH	262	156	40872	7	LOW	N	Y
NW2K	NW2K	NW2K	DEAN	256	145	37120	1	LOW	Y	Y
WT9U	WT9U	WT9U	JIM	234	152	35568	3	LOW	N	N

Call	Operator	Station	Name	QSOs	Mults	Score	Busts	P	SO2R	Assisted
W7ZRC	W7ZRC	W7ZRC	ROD	189	123	23247	1	QRP	N	N
W6JTI	W6JTI	W6JTI	FRANK	154	101	15554	0	QRP	N	N
N4OO	N4OO	N4OO	BRIAN	136	101	13736	2	QRP	N	N
K4ORD	K4ORD	K4ORD	RILEY	131	102	13362	2	QRP	N	N
K1IMI	K1IMI	K1IMI	BERT	128	97	12416	0	QRP	N	N
K2UFT	K2UFT	K2UFT	DICK	106	95	10070	2	QRP	N	N
W1UU	W1UU	W1UU	PETER	107	81	8667	4	QRP	N	Y
WC7S	WC7S	WC7S	DALE	85	69	5865	17	QRP	N	N
N0EF	N0EF	N0EF	JOHN	84	66	5544	9	QRP	N	Y
N8XX	N8XX	N8XX	HANK	79	63	4977	1	QRP	N	N

Gold indicates a Golden Log, 50 or more QSOs. "Busts" is the number of busted QSOs.

The high-power-pack leader was Bud AA3B with Howie N4AF and Ty NO3M in second and third respectively. Bud completed an impressive 418 Qs with 214 multipliers for an average rate of 105 Qs/hour. Chuck K0RF & Larry K5OT (@K5TR) rounded out the top 5 in HP.

In the low power category, Jay W1UJ edged out Pete W1RM to win the session. While Jay held the QSO lead, Pete put up an impressive 193 mults. Yuri VE3DZ posted 314 Qs to finish third just ahead of Dick N7XU and Hal W1NN.

The QRP gang saw Rod W7ZRC win with a comfortable lead over second place finisher Frank W6JTI. Brian N4OO, Riley K4ORD and Bert K1IMI, finished in a tight pack 3rd through 5th place. Interestingly, no QRPers utilized SO2R techniques and only two entered assisted.

Top Tens – Session 2

Session 2

Call	Operator	Station	Name	QSOs	Mults	Score	Busts	P	SO2R	Assisted
AA3B	AA3B	AA3B	BUD	383	289	110687	4	HIGH	Y	Y
UA5C	UA5C	RD3A	ALEX	328	304	99712	9	HIGH	N	N
N3BB	N3BB	N3BB	JIM	386	230	88780	7	HIGH	Y	N
K0RF	K0RF	K0RF	CHUCK	337	229	77173	2	HIGH	Y	Y
N4AF	N4AF	N4AF	HOWIE	327	236	77172	6	HIGH	Y	Y
DL5AXX	DL5AXX	DL5AXX	ULF	307	244	74908	3	HIGH	N	N
W4DXX	W4DXX	W4DXX	ERIC	327	225	73575	19	HIGH	N	Y
N6RO	N6RO	N6RO	KEN	332	219	72708	5	HIGH	Y	N
RG9A	RG9A	RG9A	YURI	294	246	72324	9	HIGH	Y	Y
K5OT	K5OT	K5TR	LARRY	325	219	71175	5	HIGH	Y	N

Call	Operator	Station	Name	QSOs	Mults	Score	Busts	P	SO2R	Assisted
N5AW	N5AW	N5AW	MARV	316	194	61304	1	LOW	Y	N
W1RM	W1RM	W1RM	PETE	245	199	48755	3	LOW	N	Y
VE3DZ	VE3DZ	VE3DZ	YURI	228	188	42864	0	LOW	N	Y
N7XU	N7XU	N7XU	DICK	230	176	40480	7	LOW	N	Y
W0UO	W0UO	W0UO	JIM	238	161	38318	0	LOW	N	N
KU8E	KU8E	KU8E	JEFF	230	157	36110	4	LOW	N	N
YU2A	YU2A	YU2A	MIRO	215	161	34615	7	LOW	N	N
W3KB	W3KB	W3KB	KEITH	213	160	34080	7	LOW	N	Y
K0AD	K0AD	K0AD	AL	219	153	33507	6	LOW	Y	N
NW2K	NW2K	NW2K	DEAN	210	148	31080	1	LOW	N	Y

Call	Operator	Station	Name	QSOs	Mults	Score	Busts	P	SO2R	Assisted
UA7G	UA7G	UA7G	VAL	153	122	18666	9	QRP	N	N
RW3AI	RW3AI	RW3AI	VAL	110	85	9350	1	QRP	N	N
N4OO	N4OO	N4OO	BRIAN	108	81	8748	3	QRP	N	N
K1IMI	K1IMI	K1IMI	BERT	93	88	8184	1	QRP	N	N
K2UFT	K2UFT	K2UFT	DICK	79	65	5135	3	QRP	N	N
WA8HSB	WA8HSB	WA8HSB	JOHN	78	65	5070	0	QRP	N	N
WC7S	WC7S	WC7S	DALE	71	55	3905	4	QRP	N	N
N8XX	N8XX	N8XX	HANK	64	56	3584	2	QRP	N	N
N6GA	N6GA	N6GA	CAM	61	47	2867	1	QRP	N	N
VA2FDT	VA2FDT	VA2FDT	SZABI	51	49	2499	3	QRP	N	N

Gold indicates a Golden Log, 50 or more QSOs. "Busts" is the number of busted QSOs.

Again, Bud AA3B achieved the top spot in HP with Alex UA5C (@RD3A) a close 2nd. Alex posted the highest score outside NA with a record 304 mults! Jim N3BB finished 3rd and Chuck K0RF edged out Howie N4AF by one point to finish 4th.

In LP, Marv N5AW cleaned house, with 316/194. Pete W1RM posted his second 2nd, with Yuri VE3DZ posting his second 3rd. And within the theme, Dick N7XU secured his second 4th. Jim W0UO climbs into 5th with 238/161.

In QRP, Val UA7G outscored Val RW3AI with Brian N4OO in 3rd. Bert K1IMI and Dick K2UFT complete the top 5. Note: zero SO2R and zero assisted stations.

Top Tens – Session 3

Session 3

Call	Operator	Station	Name	QSOs	Mults	Score	Busts	P	SO2R	Assisted
AA3B	AA3B	AA3B	BUD	400	279	111600	3	HIGH	Y	Y
N4AF	N4AF	N4AF	HOWIE	374	278	103972	8	HIGH	Y	Y
DL5AXX	DL5AXX	DL5AXX	ULF	336	261	87696	5	HIGH	N	Y
K4RO	K4RO	K4RO	KIRK	307	248	76136	11	HIGH	Y	Y
K5OT	K5OT	K5TR	LARRY	332	226	75032	6	HIGH	Y	N
N4PN	N4PN	N4PN	PAUL	315	232	73080	13	HIGH	N	N
N1LN	N1LN	N1LN	BRUCE	305	238	72590	10	HIGH	N	N
K4BAI	K4BAI	K4BAI	JOHN	308	233	71764	1	HIGH	N	N
N6RO	N6RO	N6RO	KEN	313	216	67608	6	HIGH	Y	Y
WD0T	WD0T	KD0S	TODD	293	215	62995	3	HIGH	Y	N

Call	Operator	Station	Name	QSOs	Mults	Score	Busts	P	SO2R	Assisted
W1RM	W1RM	W1RM	PETE	294	226	66444	8	LOW	N	Y
W1UJ	W1UJ	W1UJ	JAY	280	205	57400	7	LOW	Y	N
VE3DZ	VE3DZ	VE3DZ	YURI	264	217	57288	3	LOW	N	N
N5AW	N5AW	N5AW	MARV	254	199	50546	5	LOW	Y	N
W3KB	W3KB	W3KB	KEITH	223	173	38579	2	LOW	N	Y
W0UO	W0UO	W0UO	JIM	216	169	36504	4	LOW	N	N
K0AD	K0AD	K0AD	AL	214	170	36380	5	LOW	Y	N
NA8V	NA8V	NA8V	GREG	209	166	34694	2	LOW	N	N
NW2K	NW2K	NW2K	DEAN	222	154	34188	1	LOW	Y	Y
N7XU	N7XU	N7XU	DICK	208	157	32656	6	LOW	N	Y

Call	Operator	Station	Name	QSOs	Mults	Score	Busts	P	SO2R	Assisted
K1IMI	N4CW	K1IMI	BERT	124	104	12896	1	QRP	N	N
W7ZRC	W7ZRC	W7ZRC	ROD	106	89	9434	0	QRP	N	N
KT8K	KT8K	KT8K	TIM	92	80	7360	1	QRP	N	N
KU7Y	KU7Y	KU7Y	RON	82	70	5740	2	QRP	N	N
N6GA	N6GA	N6GA	CAM	78	67	5226	1	QRP	N	N
N8XX	N8XX	N8XX	HANK	68	56	3808	4	QRP	N	N
VA2FDT	VA2FDT	VA2FDT	SZABI	58	50	2900	3	QRP	N	N
WC7S	WC7S	WC7S	DALE	52	51	2652	8	QRP	N	N
WB5BKL	WB5BKL	WB5BKL	NICK	55	44	2420	1	QRP	N	Y
W1UU	W1UU	W1UU	PETER	41	40	1640	1	QRP	N	Y

Gold indicates a Golden Log, 50 or more QSOs. "Busts" is the number of busted QSOs.

With an even 400 Qs, Bud AA3B wins the Hat Trick in HP with Howie N4AF a close 2nd. Ulf DL5AXX, with a huge signal here stateside, finished 3rd ahead of Kirk K4RO. Larry K5OT regains a position in the top 5.

Pete W1RM wins LP with 294/226 ahead of Jay W1UJ and Yuri VE3DZ. Marv N5AW achieves 4th with Keith W3KB earning a top 5.

Bert K1IMI posts an impressive 104 mults to win QRP ahead of Rod W7ZRC and Tim KT8K. Ron KU7Y and Cam N6GA finish 4th and 5th respectively. The QRP category continues to be an important component of the CW Open and it's increasingly competitive.

Combined Scores – Top Tens

Call	Session 1	Session 2	Session 3	Total	P
AA3B	89452	110687	111600	311739	HIGH
N4AF	82344	77172	103972	263488	HIGH
K0RF	81320	77173	61056	219549	HIGH
K5OT	72864	71175	75032	219071	HIGH
N6RO	68352	72708	67608	208668	HIGH
N1LN	65928	69173	72590	207691	HIGH
K4BAI	56960	67095	71764	195819	HIGH
UA5C	28200	99712	62640	190552	HIGH
N4PN	51240	57974	73080	182294	HIGH
WJ9B	69948	62150	45448	177546	HIGH

Call	Session 1	Session 2	Session 3	Total	P
W1RM	53268	48755	66444	168467	LOW
VE3DZ	53066	42864	57288	153218	LOW
W1UJ	56109	30368	57400	143877	LOW
N5AW	18054	61304	50546	129904	LOW
N7XU	52638	40480	32656	125774	LOW
W3KB	40872	34080	38579	113531	LOW
K0AD	43056	33507	36380	112943	LOW
W0UO	30552	38318	36504	105374	LOW
W1NN	51772	30429	22680	104881	LOW
NW2K	37120	31080	34188	102388	LOW

Call	Session 1	Session 2	Session 3	Total	P
K1IMI	12416	8184	12896	33496	QRP
W7ZRC	23247	0	9434	32681	QRP
N4OO	13736	8748	0	22484	QRP
UA7G	2244	18666	0	20910	QRP
K2UFT	10070	5135	900	16105	QRP
W6JTI	15554	0	0	15554	QRP
K4ORD	13362	0	0	13362	QRP
N6GA	4914	2867	5226	13007	QRP
W1UU	8667	2346	1640	12653	QRP
WC7S	5865	3905	2652	12422	QRP

In HP, Bud AA3B wins it all with his combined 1201/782 for an average rate of 100 Qs/hour. Howie N4AF is right there in 2nd, but Bud's performance in Session 2 was commanding. Chuck K0RF finished 3rd with Larry K5OT in 4th and Ken N6RO in the 5th spot.

Consistency was the name of the game in LP with Pete W1RM on top with Yuri VE3DZ a close 2nd. Jay W1UJ, Marv N5AW and Dick N7XU round out the top 5.

Bert K1IMI edged out Rod W7ZRC for the top spot in QRP with Brian N4OO finishing 3rd just ahead of Val UA7G. Dick K2UFT brings home the honors in 5th place.

Team Competition – Eighteen Teams Crushed Last Year's Record!

Team Competition	Total Score
Thursday Night Sprinters	1493394
SECC and Friends	1307459
Texas Ten	857230
NCC/MRRC #1	680326
FRC	588212
GCG	523934
PCC	422749
Russian CW Club	357370
CCO	317585
MWA	277064
SMC	155491
UCG	149824
NCC/MRRC #2	135125
Niagara Frontier Radiosport	126589
QRP Rockcrushers	79653
DONBASS Contest Club	48181
QRP Bulldozers	43009
Roman DX Club	14097
Thursday Night Sprinters	1493394
N4AF	263488
K0RF	219549
N6RO	208668
N1LN	207691
W1UJ	143877
W6SX	139613
WD0T	124055
N4DW	117252
N0TA	69201
SECC and Friends	1307459
K4BAI	195819
WJ9B	177546
W1RM	168467
N3JT	159462
K1GU	156997
K6RB	150498
N7XU	125774
KU8E	119491
W4UX	41432
WN4AFP	11973

Texas Ten	857230
K5OT	219071
N5AW	129904
W0UO	105374
N3BB	97607
W0VX	74897
AC5K	71939
K5FP	71307
W5ASP	46445
NM5M	40686

NCC/MRRC #1	680326
N8BJQ	166341
NO3M	135981
W1NN	104881
NW2K	102388
NA8V	86092
ND8L	58254
KD8GOX	11575
W2GN	8494
AA8IA	6320

FRC	588212
AA3B	311739
W3KB	113531
WA2OAX	84065
K3MD	53280
K2CYE	25597

GCG	523934
N4PN	182294
W4DXX	117471
W4BQF	110794
K1ZZI	68871
N4OO	22484
KA3QLF	15552
NF4A	6468

PCC	422749
SP9LJD	129086
SP2LNW	83351
SP5KP	82840
SP1AEN	55828
SP4Z	37241
SP1NY	26254
SP1MHZ	8149

Russian CW Club	357370
UA4L	82913
UA3RF	70636
UX4FC	45701
UR7MZ	42402
UN9GD	33000
R8OA	27850
RA3TT	25127
R1TEU	22940
RD9CX	4869
RX6CB	1932
CCO	317585
VE3DZ	153218
VE3KI	115971
VE3GFN	32734
VE3FU	14472
VA3RKM	1190
MWA	277064
K0AD	112943
N0AT	63815
K0MPH	55788
K0TG	37043
AC0W	3439
K0KX	2115
K0TNT	1921
SMC	155491
WT9U	50997
KJ9C/7	46949
K3WA	27690
AL9A	18781
K9WX	11074
AB9YC	4392
UCG	149824
RA9CMO	77483
RF9C	40700
UA9CDC	31641
NCC/MRRC #2	135125
N8EA	65388
K8BL	27685
N2WK	24579
WB8JUI	9278
KT8K	7360
K8NZ	835

Niagara Frontier Radiosport	126589
K2ZR	78017
K2QB	12480
AC2FA	11218
K2NV/VE3	10630
AA2ZW	7452
W2RR	5850
K2QO	942
QRP Rockcrushers	79653
W7ZRC	32681
N6GA	13007
N8XX	12369
VA2FDT	7457
WB5BKL	7327
N0EF	6812
DONBASS Contest Club	48181
UX1IL	26244
UT1IM	21793
UR5IFB	144
QRP Bulldozers	43009
K2UFT	16105
WC7S	12422
KU7Y	7012
WA8HSB	5070
AF9W	1470
AA4GA	930
Roman DX Club	14097
I0GOJ	7905
IK0HBN	6192