

KCJ NEWSLETTER

No. 58 Dec. 2014

*We wish you and your family
a Merry Christmas and
a Happy New Year.*

Officers of KCJ for Next Two Years

President: JR3KQJ

KCJA Award Manager JH7FQK

Vice-presidents: JA8AJE, JA5CUX

KCJ Contest Committee chair JA8AJE

Treasurer: JA5QYR

Auditors: JH8CBH, JA9CZJ

KCJ Contest

The results of KCJ contest held on Aug. 16 through 17 were released. Logs sent in KCJ were cross-checked each other. Details appear at later part of this issue.

The winner of the single operator multi-band category was JH4UYB who claimed more than thousand QSOs. This is a new record on this category. UA0DM was the winner of overseas category. Logs from overseas were 36 in number but our check program showed DX participants were more than 200. We hope those who made contacts in our contest send in their logs regardless of their scores.

Ham Fair 2014

7K1DPE I. Iuchi

Displays of KCJ in Ham Fair this year were as follows: introduction of KCJ activities, eyeballs among members and CWers coming to our booth, the guidance

of the admission to KCJ, a machine for printing Morse codes which were keyed by hand and a radio carrier for mobile operations. We had 164 and 140 visitors on Aug. 23 and the next day, respectively. Visitors on the first day were less than those in usual year. Maybe, this is because booths displaying CW related items increased in number this year. In fact, a Morse code printer was displayed at another booth near ours. Most of all our visitors enjoyed chat with KCJ members and each other.



Photo: l to r JA1FCY, JA1PHE, JH1XUP, JO3MOA, JH1TFL, JO4CAP, JA5QYR, JM1HUX and two daughters of JO3OMA. Elder daughter ® is JP3ELL.

The Morse code printer was popular as usual. There were various types of hams who aggressively try to key and see printed codes on a paper tape or who seemed to be interested in it but just watched. The radio carrier shown on the photo below also interested many visitors. Someone took its photos.



Operation of 8J1A in Ham Fair

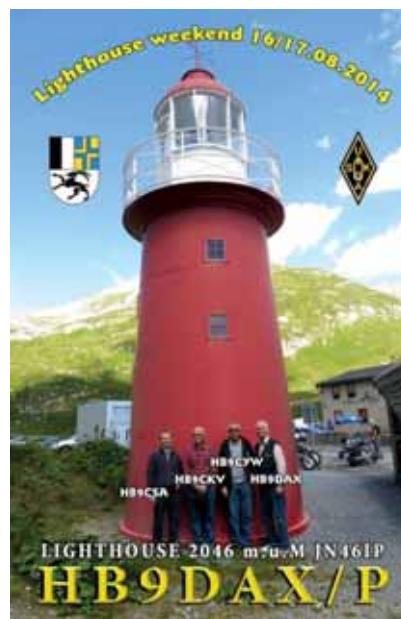
JN1WXW T. Minakawa

I don't know why but got free time for ham activities in August and could attend Ham Fair. Arriving at the place at 08JST, I was able to reserve the operation of 8J1A. A bit before 11JST, I made 29 contacts on 30 meters in 25 minutes. Usually JARL provided old rigs for WARC band operations but this year I could use TS990. I didn't learn the high abilities of a high class rig but presumably its roofing filters worked fine.

QRV from the Highest Lighthouse

HB9DAX Manfred

For the next pedition I have a Picture of my dxpediton to the highest Lighthouse in the world on the Oberalppass "Rhine Source". We were on 16/17 August at the Lighthouse weekend at HB9DAX/p active. The location of Lighthouse is on 2046 meter in JN466IP. It wonderful experience up there in the wild with friends, to operate amateur-Radio. I wish all friends from Keymen's Club of Japan a good health, much dx and am looking forward to hear again. Greeting from Switzerland HB9DAX Manfre (Fred)



this
was
my
my

Meeting in Eight Area

JE8RKV F. Ohta



Climate on October 19 was good across Japan. This was the day we held a meeting of JA8 area. We welcomed two members in May and August this year and one of them, JG8NKJ Toshi, attended. Meeting place was at Karurusu hot spring in Shikotsu-Dohya national park. A famous inn, Sannseikan which has been introduced in the Michling guide

book, was the meeting place.

During drinking and talking about various things after meal, JA8OHG Kun showed old photos and old "The Key" to the new member. The Key at the moment was written by hand, making us to feel a lot of time passed.

(Photo above: l to r JA8OHGs XYL, JA8OHG, JA8PON, JA8AJE, JG8NKJ (new member) and JE8RKV.

KCJ Members

The encounter with CW

JM1HUX T. Yamago

While I was in a junior high school, I belonged to the club where members made the observation of weather all the year and of stars in summer and learning the basis of electronics and physics. Patrol of climate was hard to do but learned how to understand weather charts. This is useful now to predict weather ahead while I made mobile operation in the field.

In primary school days, a primary school teacher who lived next to my house instructed me to build a crystal radio and a straight radio having one stage of RF amplifier. In the junior high school days, my one year senior was going to have a ham radio station. I got the inspection performed by government officers observed. The station was only for a phone mode. Therefore, if I had set up a station like this, I needed a modulator which used an expensive modulation transformer. Its price was out of the range of young men's pocket money.

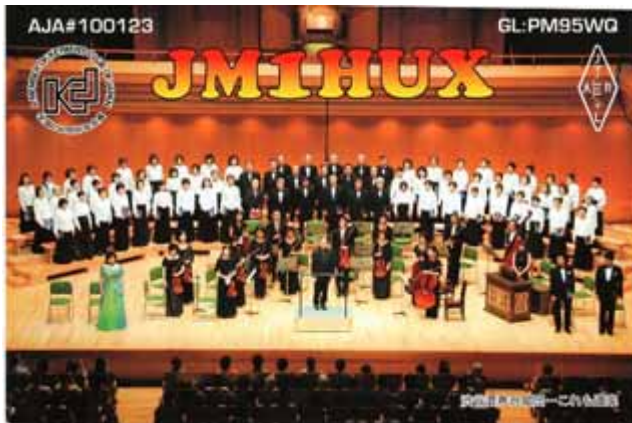
I became to know that CW mode was appropriate to run ham radio because small equipments were enough to contact across the globe. At first, I made a key, piling up various items together such as a wood plate, wooden chopsticks, some kind of thin metal rods and so on. After I learned codes of numbers and letters of alphabets, I took an exam for a second class operator license without success.

Thirty year later, I transferred to Hokuriku district alone and had a lot of free time at night. Because I had taken a phone class license before, I started ham radio. I stayed there for only three years but I experienced various phenomena such as long range contacts on SSB mode to northern part of Japan, Hokkaido, and southern one, Kyushu through duct propagation over the Japan Sea. The occurrence of the duct is influenced by the weather, so it happened that a local station couldn't hear signals I could hear and the reverse did. These situations often changed in a minute.



Young colleague having a second class operator license recommended that I took higher class license exams. I wanted to run CW mode and also wanted to power up. Therefore, I took an exam for a second class operator license with success and also went well for first class one. My son claimed my phone QSOs were noise for him because he was studying for an entrance examination. Straight key also produced noise, causing claims. So, I used to use a paddle and keyer.

Oher Hobby



It is said that the operation of CW mode prevents from being senile. However while we are enjoying ham radio, we keep ourselves on a chair. I had intended to do something good for health. More than 40 years ago, teacher of a preparatory school taught students to sing German song for refreshment. It was fresh and good for me. This is the reason I started chorus. It has been about 20 years since I joined a chorus group which has been holding the concert of Beethoven's ninth Symphony. (On my QSL card, men located around the central part with black suits. My position is at the most right place of second row.) I will last ham radio long. The motivation are that I experience fresh feeling every time I get on the air and always consider how to get rare one effectively.

Voice of Members

JA1KI: Could work relatively rare entities by JT65. On the contrary CW mode with 100 watts couldn't break heavy pile-up.

JH1XUP: It was regrettable for me not to attend the general meeting of KCJ. More than 90 % of members of my local club I belonged to have licenses for the CW operation but only less than 20 % of them actually operate this mode. We have to

enlighten that CW gives a lot of fun.

JQ1NGT: I again visited Ham fair this year. Didn't find prominent new products. Operating 8J1A, I got 33 QSOs in 25 minutes. By the way, signals I could hear on 10 meters in the beginning of September were from near countries but in the end of that month, I heard west coasts. Summer condition seemed to shift to autumn condition.

JA2OLJ: In August I made mobile operation only once. While I had been planning it, heavy rain or a typhoon discouraged me from the mobile plan. I received cards from DL and SP, not on HF bands but on 50 MHz band.

JS2KHM: I got off on the wrong foot in KCJ contest but ended with more QSOs and multipliers than those of last year.

JA3VOV: My activity was high in August: increase of number of regular QSOs and four times participations in contests. There were many memorial stations in both JA and DX this month. I was not able to work W1AW/*

JH3HGI: now DXCC through LoTW is 97 on CW mode. Five stations I had worked said that OK on LoTW but

they didn't upload QSO data, yet. I want to complete DXCC by LoTW as soon as possible.

JR3KQJ: I was active on UHF and SHF bands in field day contest held by JARL in Aug. As a result, I made CW contacts on 16 bands this month.

JG6CDH: Those whom I worked on SSB mode asked me to visit QRZ.com and see their antennas or something else. Thus, I logged in there after 15 years neglect and updated my data and awards I got on CW mode.

JA8AJE: Being motivated by JH3HGI, I again became avid on DXing. In the end of September, SSN suddenly increased. This maybe is last opportunity for me. Hope to meet high SSN like this at WW CW contest.

NEW Members

JR0GVW Mizuo "NAN" Nanba #457 Aug. 28, 2014

He started ham radio 30 years ago. Just after start, he found a lot of fun on 15 meters and wanted to have power up. Thus he tried to get a second class operator license. In the exam at the moment, test of keying and listening CW were mandatory. He got the impress that CW world has no border.

JA9MJR Takao "OGA" Ogata #458 Sep. 9, 2014

He learned at the 2014 Ham Fair that KCJ member in JA9 area was small in number. So he joined us to support the activity of KCJ.

JE6BPK Koutarou "TARO" Narematsu #459 Sep. 16, 2014

He began ham radio with a CW class license and became an avid CW operator. He often made mobile operation on HF bands and satellite from various place in Kyushu.

JH3TCC Katsuyuki "KATSU" Ieda #460 Sep. 18, 2014

The advantage of CW mode is not produce noise during operations in the night.

JA7UES Takashi "TAKA" Endoh #461 Sep. 30, 2014

He forced to learn Japanese codes in the club of a high school. He is working in the field related to radio. He came to know the activities of KCJ at Ham Fair and wanted to make CW popular and retained afterwards.

JL2GSN											
(非会員) 14-9-23											
100pts(#352)		150pts(#184)		200pts(#172)		250pts(#127)		300pts(#121)		350pts(#091)	
400pts(#078)		425pts(#032)									
新規申請											
Band	1.9	3.5	7	10	14	18	21	24	28		
Pts	26	47	47	47	47	47	43	45	36		
Band	50	144	430	1.2	2.4	5.6	24	SAT	SUM		
Pts	26	9	6	0	0	0	0	4	430		

7K1DPE									
(会員) 14-9-26									
100pts(#353)		150pts(#185)		200pts(#173)					
新規申請									
Band	1.9	3.5	7	10	14	18	21	24	28
Pts	2	4	25	35	21	8	14	4	16
Band	50	144	430	1.2	2.4	5.6	10G	SAT	SUM
Pts	29	8	12	6	0	0	0	18	202

JL3PHG									
(非会員) 14-10-3									
350pts(#092)									
追加申請									
Band	1.9	3.5	7	10	14	18	21	24	28
Pts	43	47	47	47	40	43	32	41	10
Band	50	144	430	1.2	2.4	5.6	10G	SAT	SUM
Pts	0	0	0	0	0	0	0	0	350

HL5/DL2DUA									
(非会員) 14-10-10									
100pts(#354)									
新規申請									
Band	1.9	3.5	7	10	14	18	21	24	28
Pts	0	8	38	15	11	18	8	6	2
Band	50	144	430	1.2	2.4	5.6	10G	SAT	SUM
Pts	0	0	0	0	0	0	0	0	106

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Remarks on the table next page were as follows:

IM: You had other's call sign wrong.	UM: Other had your call sign wrong.
RR: You had RST from other wrong.	RS: Other had RST sent by you wrong.
MR: You had other's multiplier wrong.	MS: Other had your multiplier wrong
NF: Your call sign was not in other's log.	TM: QSO time differed more than 10min.
WC: Dupe QSOs.	OF: QSO bands were mismatched.

Comments from overseas participants

M5Z	Propagation to JA was good on Saturday afternoon on 20m. However, other JA stations I heard were participating RDA.... 73 Kazu M0CFW, M5Z, JK3GAD
N6MA	Operationg from W7 in the state of Arizona.
N7DR	I was able to be QRV for only a very short period this year.
ON6NL	With much pleasure participated in this very friendly contest. Here speed was not the deciding factor but picking up weak signals correctly out of the noise. Many thanks and see you soon again!
UA0DM	Good Contest!
UA9UKL	73
UR5GAW	for check purpose cfm QSO's. Good luck! TNX ALL!
VK4TT	G'day to other Ops in Test. Used "SD" by EI5DI worked very FB

2014 KCJ Contest Results																		
Multi band			Clamed QSO	Final Results			IM	UM	RR	RS	MR	MS	NF	TM	WC	OF	NL	
Rank	CALL	QTH		pts	multi	score												
1	*	JH4UYB	HS	1066	1154	262	302348	3	6	0	0	1	3	6	0	0	1	176
2	*	JK2XXK	GF	836	948	245	232260	1	5	0	0	0	2	3	0	1	1	103
3	*	JE1BMJ	CB	716	809	207	167463	0	4	0	0	0	1	3	2	0	0	69
4	*	JR6CSY	NS	628	673	189	127197	5	4	0	0	0	3	4	0	0	1	66
5	*	JF2FIU	AC	564	609	199	121191	3	3	0	0	1	0	0	3	0	0	45
6	+	JA7ODY	MG	601	632	190	120080	4	1	0	0	0	0	6	1	0	1	68
7	+	JJ3JJL	SI	560	606	184	111504	1	1	0	0	0	0	1	1	1	1	56
8		JR2AWS	GF	561	600	182	109200	2	0	0	0	0	1	2	1	0	1	46
9	+	JK1QAY	TK	580	622	171	106362	0	1	0	0	0	1	3	0	0	0	49
10	+	JE2CPI	SO	506	579	180	104220	3	2	0	1	5	1	0	0	0	1	34
11	+	JG6CDH	SG	482	534	173	92382	2	1	0	0	4	0	3	0	0	0	30
12	+	JO4BOW	TT	517	558	164	91512	3	6	0	0	0	1	4	1	0	0	40
13	+	JR4CZM/5	TS	465	555	164	91020	1	5	0	0	0	1	2	1	0	1	39
14	+	J15SKS	EH	547	530	167	88510	3	5	0	0	1	1	4	1	0	0	58
15	+	JR2MIO/2	ME	526	518	164	84952	0	10	0	0	0	1	0	0	0	0	53
16	+	JR3KQJ	HG	437	476	166	79016	0	4	0	0	0	2	2	0	0	0	33
17	+	JR8OXT/1	ST	470	537	146	78402	1	5	0	0	4	4	1	0	0	0	42
18		JA2VHO	AC	468	522	147	76734	5	5	0	0	0	1	0	1	0	1	57
19		JH1FNU	ST	452	466	164	76424	1	1	0	0	2	2	1	0	0	1	42
20		JH5HDA	EH	493	489	154	75306	2	3	0	0	2	0	2	0	0	1	50
21		7L1FFH	ST	443	501	148	74148	1	3	0	0	0	2	1	0	0	0	27
22	+	JA1BJI	KN	383	484	151	73084	1	1	0	0	1	0	1	0	0	0	19
23		JA1CP	KN	432	444	152	67488	2	0	0	0	1	5	1	0	0	0	35
24	+	JA5CBU	KA	425	448	141	63168	4	2	0	0	0	1	1	0	0	1	32
25	+	JA0IOF	NN	424	454	137	62198	4	1	0	0	0	2	2	0	0	0	41
26	+	JR8QFG	IS	424	452	136	61472	2	2	0	0	0	4	4	0	0	1	43
27		JA2JTN	SO	388	423	141	59643	1	1	0	0	0	1	2	0	1	0	27
28		JH1MTR/4	TT	364	415	141	58515	0	3	0	0	0	0	0	1	0	0	21
29		JN1BBO	ST	369	406	142	57652	0	0	0	0	0	0	2	0	0	0	17
30		JF2OZH	AC	344	393	144	56592	1	4	0	0	0	3	0	0	0	0	23
31	+	JH0EPI	NI	429	410	131	53710	3	8	0	0	0	2	3	0	0	0	51
32	+	JA3QOS	KT	366	396	135	53460	0	0	0	0	1	0	1	0	0	1	35
33	+	JA9BGL	IK	408	438	120	52560	3	1	0	0	0	1	1	0	0	0	52
34	+	JO4EXC	OY	392	388	128	49664	1	1	0	0	1	1	3	2	0	0	35
35	+	JA3RSJ	NR	365	387	127	49149	1	3	0	0	2	0	0	1	0	1	26
36	+	JE7DMH	FS	376	399	123	49077	1	1	0	0	0	0	0	0	0	1	22
37		JA1XHC	TK	345	371	131	48601	0	4	0	0	1	0	0	0	0	0	17
38	+	JG3CQJ	WK	303	361	130	46930	2	1	0	0	0	0	1	0	2	0	12
39	+	J11DHY	GM	348	347	133	46151	3	0	0	0	2	0	3	1	1	11	36
40		JO4CTB	OY	313	331	135	44685	1	1	0	0	0	0	0	0	0	0	20
41	+	JE8ASA/8	HD	329	347	127	44069	5	5	0	0	0	5	1	0	0	0	22
42		JN4HTR/4	HS	338	339	129	43731	2	3	0	0	0	2	2	1	0	0	37
43		JG8NKJ	IS	308	310	133	41230	1	1	0	0	5	0	0	0	0	0	27
44		J11FLB	TK	363	351	116	40716	2	6	0	0	6	1	2	0	1	0	34
45	+	JA6DH	FO	260	312	124	38688	1	1	0	0	0	0	1	0	0	0	9
46	+	JE6ETN	KG	259	309	123	38007	0	1	0	0	1	1	1	1	0	0	17
47	+	JH7IXX	YM	321	344	109	37496	2	0	0	0	0	1	1	0	0	0	17
48		JG7SFR/1	TK	333	332	112	37184	3	4	0	0	1	1	1	0	0	0	23
49	+	JR1CAD/6	ON	251	308	120	36960	2	2	0	0	0	1	1	0	0	0	21
50		JA2QVP	AC	281	302	118	35636	1	0	0	0	1	0	1	0	0	1	19
51		JG1SPS	ST	291	332	106	35192	5	1	0	0	3	0	2	0	0	1	23
52		JA1HMK	TK	291	303	110	33330	1	1	0	0	0	1	1	0	0	0	24
53		JM2CAN	AC	325	306	106	32436	10	0	0	0	1	0	4	0	1	0	23
54		J13DNN/3	SI	324	298	108	32184	4	5	0	0	0	5	2	0	1	0	21
55		JA1DSW	KN	317	322	98	31556	3	1	0	0	1	0	1	0	0	0	37
56	+	JA3JM	OS	242	295	106	31270	0	0	0	0	1	0	0	0	0	0	14
57		JA4EVH	OY	278	265	114	30210	5	1	0	0	0	0	0	0	0	1	22
58		JA6FOF	NS	224	273	109	29757	0	1	0	0	0	1	1	0	0	0	8
59		JA3HIL	HG	273	279	103	28737	1	1	0	0	0	1	2	1	0	0	24
60		JG1MZS	TK	287	303	94	28482	0	1	0	0	0	0	3	0	1	0	23
61		JA1CGN/2	ME	225	247	110	27170	0	5	0	0	0	0	0	1	0	2	10
62	+	JG1RRU/1	YN	307	288	93	26784	6	3	0	0	0	4	4	0	0	0	26
63		JM1UWB	ST	202	261	102	26622	1	0	0	0	0	1	1	0	1	0	17
64		JO1SIM	TK	240	262	101	26462	1	1	0	0	0	0	3	0	0	0	13

Multi band			Clamed QSO	Final Results			IM	UM	RR	RS	MR	MS	NF	TM	WC	OF	NL
Rank	CALL	QTH		pts	multi	score											
65	JS1OYN	KN	235	249	106	26394	1	1	0	1	0	0	1	0	2	0	12
66	JE1NVD	ST	291	292	88	25696	2	1	0	0	0	1	1	0	0	0	26
67	J11LAT	CB	260	248	103	25544	5	2	0	0	3	1	0	0	0	0	17
68	JP1HUJ	TK	242	296	86	25456	0	0	0	0	1	0	0	0	0	0	28
69	JL2GSN	SO	280	272	93	25296	5	1	0	0	0	0	2	2	3	0	15
69	JA3MVI/1	TK	217	248	102	25296	0	0	0	0	0	0	0	0	0	0	17
71	JH3HGI	HG	222	240	105	25200	0	2	0	0	0	0	1	0	0	0	14
72	JA1VVH	ST	258	273	92	25116	0	3	0	0	1	0	0	0	0	0	13
73	+ JA9MAT	TY	246	263	86	22618	0	0	0	0	0	2	1	0	0	0	15
74	+ JH1NXU	IB	193	212	103	21836	2	0	0	0	0	0	1	0	0	0	6
75	JM1LRA	ST	213	218	100	21800	0	0	0	0	0	1	3	0	0	0	15
76	+ JA8NRS	TC	203	215	101	21715	2	0	0	0	0	0	1	0	0	0	9
77	JR7RZK	MG	228	245	86	21070	0	2	0	0	0	2	1	0	0	0	18
78	+ JA7EVH	IT	191	186	106	19716	4	0	0	0	0	2	0	0	0	0	3
79	JA7AEM	MG	206	222	88	19536	1	0	0	0	0	0	0	0	0	0	7
80	JF1DIR	KN	259	247	78	19266	2	1	0	0	1	1	3	0	1	0	27
81	7K4VPV	TK	182	246	77	18942	1	0	0	0	0	0	0	0	0	0	14
82	JA2HJP/2	SO	208	203	92	18676	0	2	0	0	0	0	0	0	1	0	6
83	JA4TUJ	OY	192	202	92	18584	0	2	0	0	0	1	1	0	0	0	14
84	JH9BZY	TY	193	207	87	18009	7	1	0	0	1	1	1	0	0	0	11
85	JA1DFP	ST	182	191	91	17381	0	0	0	0	0	0	0	0	0	0	7
86	JG1TFE	ST	181	193	86	16598	0	1	0	0	0	1	1	0	0	0	5
87	JK2VOC	ME	151	178	89	15842	0	0	0	0	0	0	0	0	0	0	5
88	JJ1QLT	TK	165	180	88	15840	0	0	0	0	0	0	0	0	4	0	5
89	JA6BWH	FO	173	187	82	15334	1	0	0	0	0	0	0	0	0	0	5
90	JA0IND/1	KN	173	188	78	14664	0	0	0	0	0	0	0	0	0	0	5
91	JH4JUK	HS	168	180	81	14580	1	1	0	0	0	1	0	0	0	0	5
92	JA9DOF	TY	153	173	83	14359	1	0	0	0	1	0	1	0	0	0	5
93	JA2MYA	GF	150	154	93	14322	0	1	0	0	1	1	0	2	0	0	7
94	JA3BYR	WK	151	173	82	14186	1	2	0	0	0	0	0	0	0	0	7
95	JH1XUP	TK	196	191	74	14134	2	3	0	0	2	3	1	1	0	0	17
96	JM1HUX	TK	162	163	86	14018	1	4	0	0	1	0	1	1	0	0	7
97	JR8BMW/1	KN	160	192	72	13824	1	1	0	0	0	2	1	0	0	0	15
98	JA1KI	TK	138	148	91	13468	4	0	0	0	0	0	0	0	0	0	2
99	JN1ECL	KN	152	156	80	12480	1	3	0	0	0	1	1	0	0	0	6
100	JH3FGI	HG	161	162	77	12474	3	1	0	0	4	0	2	0	0	0	12
101	7N2SPK	TK	160	172	72	12384	0	0	0	0	0	0	1	0	0	0	7
102	JH2CMH	AC	214	221	56	12376	1	2	0	0	0	0	2	0	0	0	24
103	JN1HYU	KN	180	177	66	11682	0	2	0	0	0	0	0	0	0	0	9
104	+ JH8KIY	OM	126	146	79	11534	0	0	0	0	0	0	0	0	0	0	3
105	JE0KBP	NI	174	170	62	10540	0	0	0	0	1	0	0	0	0	0	15
106	JA9VCO	IK	122	144	69	9936	0	1	0	0	0	0	2	0	0	0	3
107	JA1LOG	ST	144	143	67	9581	0	1	0	0	0	0	1	0	0	0	7
108	JH0NEC	NI	179	171	56	9576	2	0	0	0	0	1	2	0	0	0	23
109	JJ1XQU	CB	134	147	63	9261	0	0	0	0	0	0	0	0	0	0	3
110	JA3AIC	OS	139	141	63	8883	1	1	0	0	0	0	1	0	0	0	3
111	JM1ATF	CB	145	132	67	8844	3	3	0	0	1	0	1	0	0	0	5
112	JA7CPW	MG	123	136	65	8840	0	1	0	0	1	1	0	0	0	0	8
113	JN1KWR/1	ST	120	128	67	8576	0	0	0	0	0	1	0	0	0	0	6
114	J11AQY	IB	112	139	60	8340	0	1	0	0	0	0	0	0	0	0	4
115	JA7BGE/1	TK	117	133	61	8113	3	0	0	0	0	0	0	0	0	0	5
116	JA3KIO	HG	124	117	68	7956	1	0	0	0	6	0	0	0	0	0	4
117	JH1RYE	GM	111	121	64	7744	0	0	0	0	0	1	0	4	0	0	5
118	JM1KLO	TK	119	127	59	7493	0	2	0	0	0	0	0	0	1	1	8
118	JE1EQS	TG	112	127	59	7493	0	0	0	0	0	0	0	0	0	0	4
120	JA1EHV	TK	152	145	50	7250	0	0	0	0	0	0	1	0	0	0	14
121	J11XKH	TK	114	125	56	7000	0	0	0	0	0	0	1	0	0	0	4
122	JR5GWR	KC	134	133	51	6783	0	0	0	0	0	0	0	0	0	0	9
123	JA9DTV/1	KN	101	106	63	6678	1	1	0	0	1	0	1	0	0	0	3
124	JH4FVU	TT	108	107	62	6634	0	1	0	0	1	0	0	0	0	0	3
125	JL1BHN	TK	124	123	53	6519	0	1	0	0	0	0	1	0	0	0	7
126	JA2DHL	AC	101	121	53	6413	1	0	0	0	0	0	0	0	0	0	3
127	JA7ARW	MG	100	109	56	6104	0	0	0	0	1	2	2	0	0	0	2
128	JH1AHU	CB	111	113	54	6102	2	2	0	0	0	0	0	0	0	0	2
129	JH1MVY/1	CB	94	99	60	5940	1	3	0	0	0	1	0	0	0	0	1
130	JK1SDQ	TK	101	95	61	5795	5	0	0	0	0	0	0	0	0	0	2

Multi band			Clamed QSO	Final Results													
Rank	CALL	QTH		pts	multi	score	IM	UM	RR	RS	MR	MS	NF	TM	WC	OF	NL
131	JP1EYX	KN	85	96	59	5664	2	1	0	0	3	0	0	0	0	0	3
132	JA4MRL	OY	130	128	42	5376	0	0	0	0	0	0	0	0	0	0	6
133	JA1OYB	TK	108	107	49	5243	1	2	0	0	1	0	0	0	0	0	5
134	JA2LMY	SO	74	92	56	5152	0	0	0	0	0	0	0	0	0	0	2
135	JA3KQN	HG	106	95	53	5035	2	1	0	0	0	0	2	1	0	0	5
136	JE2FJI	AC	118	114	44	5016	2	0	0	0	3	0	1	0	0	0	6
137	JF2IWL	GF	101	104	48	4992	1	2	0	0	0	0	1	1	1	0	7
138	7K1DPE	ST	88	95	52	4940	1	2	0	0	0	0	0	0	0	0	2
139	JI3OQO	KT	96	97	49	4753	0	0	0	0	1	1	2	0	0	0	3
140	JQ2OUL	ME	92	94	50	4700	0	2	0	0	0	0	0	0	0	0	4
141	JI4WHS	HS	85	90	48	4320	0	2	0	0	0	0	1	0	0	0	4
142	JK3RHX	HG	94	94	44	4136	0	1	0	0	0	0	0	0	0	0	3
143	JA3POW	OS	115	114	36	4104	3	0	0	0	1	0	0	0	0	0	9
144	JP1SRG	CB	76	80	51	4080	3	1	0	0	1	1	0	0	0	0	2
145	JA0AVS	NI	72	80	49	3920	3	1	0	0	0	0	0	0	0	0	0
146	JK1NSR	IB	69	88	40	3520	4	0	0	0	0	3	0	0	0	0	2
147	JJ1LRD	ST	85	88	39	3432	0	0	0	0	0	0	1	0	0	0	8
148	JH3EQP	OS	80	78	43	3354	1	2	0	0	1	0	0	0	0	0	2
149	JA1LJW/1	GM	70	73	45	3285	0	1	0	0	0	1	0	0	0	0	3
150	JR2LHM	SO	80	78	40	3120	0	2	0	0	0	0	2	0	0	0	2
151	JH1HGI	TG	73	77	36	2772	0	0	0	0	1	0	0	0	0	0	3
152	JF3KCH	OS	80	81	33	2673	1	1	0	0	0	0	1	0	0	0	4
153	JA8DEB	IS	70	65	39	2535	5	2	0	0	3	1	1	3	0	0	2
154	JA2INL	ME	57	60	41	2460	0	1	0	0	0	0	0	0	0	0	0
155	JA0GSG	NN	78	81	30	2430	0	0	0	0	1	0	0	0	0	0	4
156	JA1FPV	GM	76	75	31	2325	1	1	0	0	0	0	0	0	0	0	3
157	JA3LGF	OS	68	65	35	2275	0	0	0	0	0	0	0	0	0	0	3
158	JA6DAQ/3	KT	68	63	36	2268	0	0	0	0	0	0	0	0	0	0	5
159	JA4TY	YG	62	56	39	2184	4	0	0	0	1	1	0	0	0	0	0
160	JG3IHE	SI	68	65	32	2080	0	1	0	0	0	0	0	0	0	0	2
161	JA1QKW	CB	70	56	37	2072	6	1	0	0	4	0	1	1	0	2	7
162	JH1VIX	KN	56	60	34	2040	1	2	0	0	0	0	0	0	0	0	1
163	JF2QNM	AC	58	53	37	1961	0	0	0	0	0	0	0	0	0	0	5
164	JP1FOS	KN	52	50	39	1950	0	0	0	0	0	1	0	0	0	0	1
165	JO4CFV	HS	60	51	37	1887	2	1	0	0	0	2	0	1	0	0	3
166	JI7RRS	FS	50	54	32	1728	1	0	0	0	0	0	0	0	0	0	3
167	JR6KBF/6	FO	48	46	37	1702	1	1	0	0	0	0	0	0	0	0	0
168	JG1BGT	CB	51	52	32	1664	0	0	0	0	0	2	0	0	0	0	1
169	JH8RNY	KK	55	60	27	1620	0	1	0	0	2	0	1	2	0	0	1
170	JR6HK	ON	42	50	32	1600	1	1	0	0	0	0	0	0	0	0	2
171	JR1GJP	CB	44	46	34	1564	0	1	0	0	1	0	0	0	0	0	4
172	7N4QCQ	ST	48	47	30	1410	0	0	0	0	0	0	0	0	0	0	1
173	JI4JGD	OY	42	48	29	1392	0	0	0	0	0	0	0	0	0	0	2
174	JG1LPL	KN	39	50	27	1350	0	4	0	0	0	0	1	0	0	0	0
175	JM1GOH	KN	41	49	27	1323	0	2	0	0	0	0	0	0	0	0	2
176	JM2LSJ	SO	37	46	27	1242	0	1	0	0	0	0	0	0	0	0	2
177	JR7ASO	MG	43	48	25	1200	0	2	0	0	0	0	0	0	0	0	1
178	JA3ATK/5	EH	40	40	28	1120	1	1	0	0	0	0	0	0	0	0	2
179	JA8KGG	IS	31	31	28	868	0	0	0	0	0	0	0	0	0	0	0
180	JN2FCL	AC	33	35	24	840	1	0	0	0	0	0	1	0	0	0	0
181	JF2HTO	SO	32	39	20	780	0	0	0	0	0	0	0	0	0	0	1
182	7L1VET	KN	32	32	23	736	0	0	0	0	2	1	0	0	0	0	1
183	JJ3HIY/2	SO	46	40	18	720	0	1	0	0	0	0	0	0	0	0	5
184	JA1GZK	GM	28	30	23	690	0	0	0	0	0	0	0	0	0	0	2
185	JH2VSR	AC	39	31	20	620	1	1	0	0	1	0	1	2	0	0	2
186	JA5FDJ	KC	31	30	20	600	0	0	0	0	0	0	0	0	0	0	1
187	JH1EIT	TK	22	27	16	432	2	1	0	0	0	0	0	0	0	0	0
187	JH1BFT	CB	22	24	18	432	1	0	0	0	0	0	0	0	0	0	1
189	JF1OPO	ST	24	27	15	405	0	0	0	0	0	0	0	0	0	0	1
190	JQ6CWL	MZ	29	22	15	330	0	1	0	0	3	0	0	2	0	0	1
191	JG1WSK	KN	22	20	16	320	2	0	0	0	0	0	0	0	0	0	0
192	JA1PGP	GM	20	20	15	300	0	0	0	0	0	0	0	0	0	0	0
193	JO1BEY	ST	15	29	10	290	1	0	0	0	1	0	0	0	0	0	0
194	7N2XUZ	KN	20	18	15	270	1	0	0	0	0	0	0	0	0	0	1
195	JH1WDC	ST	23	19	14	266	1	1	0	0	0	0	5	0	0	0	1
196	JJ2QXI	GF	12	28	8	224	0	0	0	0	0	0	0	0	0	0	0

Multi band			Clamed QSO	Final Results			IM	UM	RR	RS	MR	MS	NF	TM	WC	OF	NL
Rank	CALL	QTH		pts	multi	score											
197	JH6TNH	FO	11	26	8	208	0	0	0	0	0	0	0	0	0	0	1
198	JF2IKJ	SO	15	15	13	195	0	0	0	0	0	0	0	0	0	0	0
199	JA7MMW	IT	20	17	10	170	0	1	0	0	1	0	0	0	0	0	1
200	JH4OUH/6	KM	11	14	7	98	0	0	0	0	0	1	0	0	0	0	0
201	7N3BGR/1	ST	10	10	7	70	0	0	0	0	0	0	0	0	0	0	0
202	JF4XHR/3	KT	7	7	7	49	0	0	0	0	0	0	0	0	0	0	0
203	JN1CKI	TG	8	7	6	42	0	0	0	0	0	0	1	0	0	0	0
204	JA1LNQ	CB	6	6	6	36	0	0	0	0	0	0	0	0	0	0	0
205	JH1OOD	TK	10	7	5	35	0	0	0	0	0	0	1	0	0	1	1
206	JA5INF/1	ST	5	5	5	25	0	0	0	0	0	0	0	0	0	0	0
206	JA1XPM	KN	5	5	5	25	0	0	0	0	0	0	0	0	0	0	0
208	JQ1GLJ	KN	2	2	2	4	0	0	0	0	0	0	0	0	0	0	0
209	JQ1SRN	TK	2	1	1	1	0	0	0	0	0	1	0	0	0	0	0

Multi OP-Multi band			Clamed QSO	Final Results			IM	UM	RR	RS	MR	MS	NF	TM	WC	OF	NL
Rank	CALL	QTH		pts	multi	score											
1	* JJ2YKZ	AC	416	459	154	70686	1	2	1	0	0	1	0	0	0	0	32
2	+ JH1OES	TK	298	350	132	46200	2	1	0	0	0	1	0	0	0	1	11
3	JO1YKX	ST	49	44	30	1320	0	0	0	0	2	0	1	0	0	0	2

Overseas			Clamed QSO	Final Results			IM	UM	RR	RS	MR	MS	NF	TM	WC	OF	NL
Rank	CALL	QTH		pts	multi	score											
1	* UA0DM	AS	525	493	173	85289	1	0	0	0	0	0	4	1	1	0	25
2	+ K6XX	NA	429	378	136	51408	2	4	0	0	0	0	5	1	0	0	39
3	+ UA1AFT	EU	163	154	81	12474	0	2	0	0	2	0	1	0	1	0	3
4	+ KH0/K6WP	OC	169	148	75	11100	0	1	0	0	1	0	4	0	0	0	15
5	UA0CMG	AS	109	101	68	6868	0	2	0	0	0	0	0	0	0	0	6
6	+ BA4TB	AS	110	98	68	6664	2	2	0	0	0	0	2	0	0	1	5
7	+ DL2SAX	EU	136	112	59	6608	2	1	0	0	2	0	3	1	0	1	14
8	+ UN9GD	AS	123	106	59	6254	1	4	0	0	1	0	1	0	1	0	9
9	+ N9NA	NA	131	112	50	5600	1	1	0	0	5	1	4	0	0	0	7
10	N6MA	NA	110	100	50	5000	2	0	0	0	0	0	0	0	0	0	8
11	+ JT1CD	AS	68	62	41	2542	0	2	0	0	0	0	2	0	0	1	1
12	+ ON6NL	EU	67	58	40	2320	0	3	0	0	1	0	4	0	0	0	1
13	+ YB0ANN	OC	61	55	37	2035	0	1	0	0	0	2	0	0	0	0	3
14	R3EG	EU	40	38	31	1178	0	0	0	0	0	0	0	0	0	1	1
15	+ 9V1RM	AS	41	34	23	782	2	0	0	0	0	0	1	0	0	0	4
16	+ UR4RWW	EU	36	30	24	720	0	0	0	0	0	2	1	0	0	3	0
17	+ VK4TT	OC	32	31	19	589	0	0	0	0	1	0	0	0	0	0	0
18	+ OH2BN	EU	29	28	19	532	0	0	0	0	1	0	0	0	0	0	0
19	+ LZ2PT	EU	34	26	18	468	2	1	0	0	1	0	2	0	1	0	1
20	+ YT1A	EU	29	26	17	442	1	0	0	0	1	0	1	0	0	0	0
21	+ SP9A	EU	26	24	18	432	1	0	0	0	0	0	0	0	0	0	1
22	UA3DJY	EU	31	25	15	375	0	1	0	0	0	0	1	1	0	0	3
23	+ EA3NO	EU	19	18	16	288	0	0	0	0	0	0	0	0	0	0	1
24	K1GI	NA	19	18	15	270	0	0	0	0	0	0	1	0	0	0	0
25	EA5YU	EU	19	19	14	266	0	0	0	0	0	0	0	0	0	0	0
26	+ K1KI	NA	21	15	12	180	0	0	0	0	3	0	1	0	0	1	1
27	+ N7DR	NA	15	14	11	154	0	0	0	0	0	0	0	0	0	0	1
28	+ IK4OMU	EU	14	13	11	143	0	0	0	0	0	0	0	0	0	0	1
29	UA9UKL	AS	15	14	9	126	0	0	0	0	0	0	0	0	0	1	0
30	US4IRT	EU	10	10	10	100	0	0	0	0	0	0	0	0	0	0	0
30	+ HA1TI	EU	10	10	10	100	0	0	0	0	0	0	0	0	0	0	0
32	+ HL1/WX8C	AS	12	11	9	99	0	0	0	0	0	0	0	0	0	0	1
33	+ DU1EV	OC	13	10	7	70	1	1	0	0	0	0	1	0	0	0	0
34	+ 4Z5KO	AS	9	8	8	64	0	0	0	0	1	0	0	0	0	0	0
34	4Z5LU	AS	9	8	8	64	0	0	0	0	0	0	1	0	0	0	0
36	UA0LS	AS	43	8	7	56	2	0	0	0	1	0	3	20	0	8	1
37	DL9MFY	EU	11	7	7	49	2	1	0	0	0	0	0	0	1	0	0
38	UA4RW	EU	8	7	6	42	1	0	0	0	0	0	0	0	0	0	0
39	YO3GNF	EU	3	3	3	9	0	0	0	0	0	0	0	0	0	0	0
40	K4BAI	NA	3	3	2	6	0	0	0	0	0	0	0	0	0	0	0
41	US3LX	EU	2	2	2	4	0	0	0	0	0	0	0	0	0	0	0
41	UR5GAW	EU	3	2	2	4	0	0	0	0	0	0	0	1	0	0	0
41	US5VX	EU	2	2	2	4	0	0	0	0	0	0	0	0	0	0	0
41	RU9CD	AS	3	2	2	4	0	0	0	0	0	1	0	0	0	0	0

Overseas			Clamed QSO	Final Results							IM	UM	RR	RS	MR	MS	NF	TM	WC	OF	NL
Rank	CALL	QTH		pts	multi	score															
41	SP5BMU	EU	2	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
46	RW3AI	EU	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
46	OG2N	EU	2	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
46	M5Z	EU	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
49	YS1/NP3J	NA	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
S-OP 1.9 MHz			Clamed QSO	Final Results							IM	UM	RR	RS	MR	MS	NF	TM	WC	OF	NL
Rank	CALL	QTH		pts	multi	score															
1	* JF2CRP	AC	100	83	34	2822	1	0	0	0	0	0	0	2	0	0	0	0	0	12	
2	+ JF3PGW	KT	45	43	21	903	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
3	+ JR1UJX	TK	50	44	16	704	0	0	0	0	0	0	0	0	0	0	0	0	6		
4	+ JE4MHL	HS	171	28	20	560	0	0	0	0	0	0	0	0	0	0	0	0	2		
5	+ JA0BJY	NI	29	27	15	405	0	0	0	0	0	0	0	0	0	0	0	0	2		
6	JS2PHO/2	AC	29	24	14	336	0	2	0	0	1	1	0	0	0	0	0	0	1		
7	JA2BSD	GF	25	22	12	264	1	0	0	0	1	0	1	0	0	0	0	0	0		
8	JA0EPV	NN	23	22	11	242	0	0	0	0	0	0	0	0	0	0	0	0	1		
9	JA7FHI/1	CB	18	17	12	204	0	0	0	0	0	0	0	0	0	0	0	0	1		
10	JS3OSI	KT	8	8	5	40	0	0	0	0	0	0	0	0	0	0	0	0	0		
11	JA4GNK	TT	6	6	4	24	0	0	0	0	0	0	0	0	0	0	0	0	0		
12	JA2FXJ	SO	2	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0		
13	JR2BBJ/2	AC	5	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	1		
S-OP 3.5 MHz			Clamed QSO	Final Results							IM	UM	RR	RS	MR	MS	NF	TM	WC	OF	NL
Rank	CALL	QTH		pts	multi	score															
1	* JL1LNC	KN	320	170	45	7650	2	0	0	0	0	0	0	0	0	1	0	0	15		
2	* JF1KWG	TK	440	150	45	6750	1	3	0	0	0	2	0	0	0	0	0	0	8		
3	+ JP3AWA	OS	160	160	42	6720	0	0	0	0	0	0	1	0	0	0	0	11			
4	+ JA0DVE	NN	383	145	44	6380	2	0	0	0	1	2	1	0	0	0	0	10			
5	JA3QG	OS	146	145	42	6090	0	0	0	0	0	0	0	0	0	0	0	9			
6	+ JA9FHB	TY	132	135	41	5535	0	2	0	0	1	0	0	0	0	0	0	10			
7	7N4DNM/1	KN	148	132	40	5280	3	2	0	0	1	2	2	0	0	0	0	14			
8	+ JA8HBH	IR	119	125	41	5125	1	0	0	0	0	0	0	0	0	0	0	9			
9	+ JA2FSM	GF	135	126	37	4662	4	2	0	0	0	0	2	2	0	0	0	11			
10	JE1JAC	TK	229	122	37	4514	2	0	0	0	0	0	0	0	0	0	0	9			
11	+ JR7KGE	YM	123	112	37	4144	0	1	0	0	1	1	1	0	0	0	0	7			
12	+ JA4GWE	OY	102	104	39	4056	0	0	0	0	0	0	1	0	1	0	4				
13	+ JS3CGH	HG	114	107	34	3638	0	0	0	0	0	1	0	0	0	0	6				
14	JH4FUF	HS	266	96	36	3456	0	3	0	0	0	0	0	0	0	0	6				
15	JR3XEX	KT	85	80	34	2720	1	0	0	0	0	1	1	0	0	1	5				
16	JG1FMA	KN	68	60	31	1860	0	4	0	0	0	1	1	0	0	0	2				
17	JK1DMT	KN	61	56	26	1456	1	2	0	0	0	0	0	0	0	0	2				
18	JA4RWN	TT	111	50	27	1350	0	1	0	0	0	0	0	0	0	0	2				
19	JG1REU	KN	52	51	26	1326	0	0	0	0	1	0	0	0	0	0	0				
20	JR2GCS/2	GF	48	38	21	798	7	0	0	0	1	0	0	0	0	0	2				
21	JA9AJU	TY	33	32	20	640	0	0	0	0	0	0	0	0	0	0	1				
22	JH0OZT	NN	35	32	19	608	1	0	0	0	1	0	0	1	0	0	0				
23	JH3TCC	WK	34	29	20	580	1	1	0	0	3	0	0	0	0	0	0				
24	JJ5IYU	KC	26	24	16	384	0	0	1	0	0	1	0	0	0	0	0				
25	JK1XMP	IB	36	21	13	273	0	1	0	0	1	0	0	0	0	0	0				
26	JH2FXK	AC	17	16	13	208	1	0	0	0	0	0	0	0	0	0	0				
27	JA9XAT	IK	21	17	12	204	0	0	0	0	0	1	0	0	0	0	0				
S-OP 7 MHz			Clamed QSO	Final Results							IM	UM	RR	RS	MR	MS	NF	TM	WC	OF	NL
Rank	CALL	QTH		pts	multi	score															
1	* JA1CTV	KN	372	338	53	17914	1	0	0	0	0	0	1	1	0	0	0	67			
2	* JF1LLB	KN	347	314	52	16328	0	0	0	0	1	2	1	0	0	0	65				
3	* JK1FNL	KN	326	304	50	15200	1	1	0	0	1	0	4	0	1	0	46				
4	* JH1ISU	ST	321	289	50	14450	1	3	0	0	0	4	0	0	0	48					
5	* JN1WXW	IB	305	278	48	13344	1	1	0	0	0	1	4	0	0	48					
6	+ JR1MEG/1	GM	317	275	48	13200	2	2	0	0	0	2	2	0	0	54					
7	+ JH6WHN	FO	253	240	48	11520	3	5	0	0	0	2	0	0	1	34					
8	+ JF2OHQ	AC	241	229	46	10534	0	1	0	0	0	0	2	0	0	29					
9	JM1NKT	ST	253	238	43	10234	1	1	0	0	0	0	1	0	0	32					
10	+ JA4JY/3	KT	252	223	45	10035	1	1	0	0	0	0	5	1	0	37					
11	JA3UWB	KT	259	232	43	9976	1	2	0	0	0	2	2	1	0	31					
12	+ JA1DMW	YN	249	216	45	9720	2	1	0	0	0	4	1	0	0	37					

S-OP 7 MHz			Clamed QSO	Final Results			IM	UM	RR	RS	MR	MS	NF	TM	WC	OF	NL
Rank	CALL	QTH		pts	multi	score											
13	+ JR3OQJ	HG	242	205	45	9225	5	1	0	0	3	1	1	1	0	0	33
14	+ JH1KMC	CB	230	201	45	9045	0	0	0	0	0	0	1	0	0	0	37
15	JS2KHM	AC	226	202	42	8484	2	2	0	0	1	2	2	0	0	0	27
16	JA1OTP	GM	211	194	42	8148	2	1	0	0	0	0	0	0	1	0	29
17	+ JG2YER	SO	194	193	42	8106	0	2	0	0	0	0	1	0	0	0	18
18	+ JH4COC	HS	205	178	44	7832	0	1	0	0	2	1	1	0	0	0	34
19	+ JP2XYT	ME	188	184	42	7728	0	0	0	0	0	0	0	0	0	0	24
20	+ JN3ANO	NR	195	187	41	7667	2	2	0	0	0	1	0	0	0	0	19
21	+ JE0JAO	NI	219	186	41	7626	3	1	0	0	0	1	0	1	0	0	26
22	JR2BYJ	ME	200	176	43	7568	2	2	0	0	0	0	1	0	0	0	31
23	+ JE4GJV	OY	204	182	41	7462	4	4	0	0	3	0	1	0	0	0	17
24	+ JR0ETA	NN	184	166	43	7138	1	3	0	0	0	1	0	1	0	0	24
25	JA4FDZ	HS	174	164	42	6888	1	0	0	0	1	0	1	1	0	0	18
26	+ JA3VOV	OS	176	172	40	6880	1	2	0	0	0	0	2	2	0	0	17
27	JE2OOQ	ME	239	162	40	6480	3	2	0	0	6	0	5	0	0	0	27
28	JJ2DWL	ME	160	156	41	6396	1	0	0	0	0	0	1	0	0	0	18
29	+ JH1ASG	TK	167	153	41	6273	1	0	0	0	0	0	0	0	0	0	21
30	7K1JFM	KN	142	142	40	5680	0	1	0	0	1	0	0	0	0	0	10
31	JK1UKQ	CB	134	140	39	5460	0	1	0	0	0	0	0	0	0	0	5
32	+ JA9MJR	FI	139	138	39	5382	1	0	0	0	1	0	0	0	0	0	11
33	+ JI7FBM	IT	147	148	36	5328	0	1	0	0	2	1	1	2	0	0	16
34	+ JA4RQO	SN	134	133	40	5320	1	2	0	0	0	0	2	1	0	0	7
35	JK2NNF/0	NN	172	146	36	5256	2	2	0	0	1	0	0	0	0	0	21
36	JN3NYR/0	NN	152	142	36	5112	0	3	0	0	1	1	0	0	0	0	13
37	JQ1SYQ	TK	158	137	36	4932	0	1	0	0	0	0	0	0	0	0	20
38	+ JA7ACV	MG	138	127	38	4826	4	0	0	0	0	2	0	0	0	0	13
39	+ JJ1VTE	TG	123	123	38	4674	0	1	0	0	0	1	0	0	0	0	6
40	JR1CJD	CB	125	117	38	4446	4	1	0	0	0	0	0	0	0	0	7
41	JI2SVL	SO	116	120	34	4080	0	0	0	0	1	0	1	0	0	0	6
42	JH1KYA	ST	112	106	36	3816	2	0	0	0	0	0	1	0	0	0	7
43	JA3RAZ	HG	100	103	37	3811	0	0	0	0	0	0	0	1	0	0	4
44	+ JJ5IYC	TS	101	99	37	3663	0	1	0	0	0	0	1	0	0	0	4
45	JI1LHT	ST	108	98	33	3234	0	2	0	0	0	2	0	0	0	0	6
46	JA1TFJ	TK	117	103	29	2987	0	0	0	0	1	0	0	0	0	0	11
47	+ JF2KWM	GF	95	87	33	2871	9	1	0	0	0	0	0	0	0	0	6
48	JA7WMO	MG	86	82	33	2706	3	0	0	0	0	0	0	0	0	0	5
49	+ JA6RIL	OT	81	80	33	2640	1	1	0	0	0	0	1	0	0	0	2
50	JH3BYX	HG	86	76	34	2584	3	0	0	0	0	0	1	0	2	0	4
51	JR0GVW	NI	93	82	31	2542	2	2	0	0	0	1	3	2	0	0	5
52	JA0UPW	NI	73	71	34	2414	0	0	0	0	0	0	0	0	1	0	1
53	JA3EOG	OS	85	77	31	2387	0	0	0	0	0	2	2	0	0	0	4
54	JF6TWP/6	FO	71	73	30	2190	0	3	0	0	0	0	2	0	0	0	5
55	+ JG3LDD/3	SI	81	74	29	2146	0	3	0	0	0	0	0	0	0	0	4
56	JA1CPZ	KN	68	65	32	2080	2	0	0	0	0	8	1	0	0	0	4
57	JR3QHJ	OS	68	63	31	1953	0	0	0	0	0	0	0	0	0	0	5
58	JH1MZG	ST	82	69	27	1863	3	0	0	0	0	0	1	1	0	0	12
59	JK3QLP	OS	71	63	28	1764	4	1	0	0	0	0	1	0	0	0	2
60	JA1YQH	TK	65	57	30	1710	0	0	0	0	0	0	0	0	0	0	8
61	JR9SLB	FI	61	56	29	1624	0	0	0	0	0	0	1	0	0	0	4
62	JR0GXA	NN	59	61	25	1525	1	0	0	0	0	0	0	0	0	0	5
63	JE1GZB	CB	54	52	27	1404	0	0	0	0	0	0	0	0	0	0	2
64	JA9CCK	TY	57	53	26	1378	0	0	0	0	0	0	1	0	0	0	3
65	JE6TUP	FO	46	47	29	1363	0	2	0	0	0	0	0	0	0	0	1
66	JI6OXK	FO	50	46	25	1150	1	0	0	0	0	0	1	0	0	0	2
67	JM7QYU	IT	55	49	23	1127	1	0	0	0	1	0	0	0	0	0	4
68	JA9UVT	TY	58	48	23	1104	5	0	0	0	2	0	0	0	0	0	3
69	JA7ZP	AT	40	43	24	1032	4	0	0	0	0	0	0	0	0	0	1
70	JH1HTK	KN	50	46	22	1012	0	1	0	0	0	1	0	0	0	0	2
71	JO1RUQ	TK	41	48	21	1008	0	0	0	0	0	0	0	0	0	0	5
72	JL4TTY	OY	54	41	24	984	3	1	0	0	2	0	1	0	0	0	6
73	JH1GBO	KN	40	44	21	924	0	1	0	0	0	0	0	0	0	0	3
74	JA2NGN	GF	46	38	22	836	0	0	0	0	1	0	0	0	0	0	7
75	JA6QQL	FO	37	35	22	770	3	0	0	0	1	0	1	0	0	0	1
76	JH9DRL	TY	40	47	16	752	2	1	0	0	0	0	0	0	0	0	6
77	JR4VEV	OY	41	33	22	726	1	0	0	0	0	0	0	0	0	0	1
78	JH1QEL	KN	41	36	20	720	0	2	0	0	0	0	1	0	0	0	2

S-OP 7 MHz			Clamed QSO	Final Results							IM	UM	RR	RS	MR	MS	NF	TM	WC	OF	NL
Rank	CALL	QTH		pts	multi	score															
79	JG6ICT	FO	33	32	21	672	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
80	JA2AHR	ME	29	37	18	666	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
81	JA7SLK	YM	37	33	20	660	1	1	0	0	0	0	0	0	0	0	0	0	0	2	
82	JN7MLJ	MG	36	35	18	630	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
83	JH9OKC	IK	33	32	18	576	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
84	7L2CDG	TG	28	30	19	570	0	1	0	0	0	0	0	0	0	0	0	0	0	1	
85	JR3KAH	HG	35	33	17	561	0	0	0	0	0	0	0	1	0	0	0	0	0	1	
86	JA2TFU	AC	30	28	20	560	0	1	0	0	0	0	0	0	0	0	0	0	0	1	
87	JE4CMJ	OY	31	29	19	551	0	0	0	0	0	0	0	0	1	0	0	0	0	1	
88	JA0BOP	NI	39	32	17	544	4	0	0	0	0	0	0	0	0	0	0	0	0	3	
89	JA1TNS	ST	32	26	18	468	2	0	0	0	2	0	0	0	0	0	0	0	0	2	
90	JO3OEF	HG	30	27	17	459	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
91	JH1KRE	IB	28	27	16	432	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
92	JA1FYO	CB	26	23	15	345	0	1	0	0	0	0	0	0	0	0	0	0	0	2	
92	JQ2REP	GF	26	23	15	345	1	1	0	0	0	0	0	0	0	0	0	0	0	1	
94	JA0GCV	NI	20	20	17	340	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
95	JA4AVO	HS	18	21	15	315	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
96	JF1MKH	TK	20	19	16	304	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
97	JP7ITU	YM	23	22	13	286	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
98	JR0BQD	NI	15	25	11	275	0	0	0	0	1	0	0	0	0	0	0	0	0	1	
99	JA1PHE	ST	21	20	13	260	1	1	0	0	0	1	1	0	0	0	0	0	0	1	
100	JR1FVW	CB	21	18	13	234	1	0	0	0	0	0	0	0	0	0	0	0	0	2	
101	JR6KNE	MZ	21	18	12	216	1	1	0	0	0	0	0	0	0	0	0	0	0	1	
102	JH1RNS	YN	20	19	11	209	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
102	JA1LZ	KN	24	19	11	209	1	2	0	0	0	0	0	1	0	0	0	0	1	1	
102	JP1SYK	ST	17	19	11	209	1	0	0	0	0	0	0	0	0	0	0	0	0	1	
105	JA1UAV	ST	16	16	13	208	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
106	JI3RGT	NR	17	17	12	204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
107	7M4NGG	CB	15	15	13	195	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
108	JR3VZS	WK	17	15	11	165	0	0	0	0	0	0	0	1	0	0	0	0	0	1	
109	JF1NWF	ST	14	12	11	132	1	0	0	0	0	0	0	0	0	0	0	0	0	1	
110	JF3ROH	HG	11	14	8	112	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
111	JE8RKV	OM	16	12	9	108	1	0	0	0	1	0	0	0	0	0	0	0	0	2	
112	JS1RRT	ST	13	13	8	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
113	JP7DGN	IT	11	10	9	90	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
114	JA0CCL	NN	10	9	8	72	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
115	7N3SHX	CB	9	8	8	64	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
116	JF1ATH	KN	7	6	6	36	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
117	JF3MOK/3	OS	7	6	5	30	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
118	JF3AUM	HG	5	5	5	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
119	JA1JCN	TK	4	3	3	9	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
119	JA3CVN	NR	3	3	3	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
119	JJ1SWI/1	TK	3	3	3	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
122	JR8ARS	OM	2	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
123	JH0EQN	NI	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
123	JJ2NYT	ME	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
123	JG1QPZ	KN	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
126	JK3JXP	SI	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	

S-OP 14 MHz			Clamed QSO	Final Results							IM	UM	RR	RS	MR	MS	NF	TM	WC	OF	NL
Rank	CALL	QTH		pts	multi	score															
1	* JJ1NYH	TK	226	248	49	12152	1	2	0	0	3	0	2	0	0	1	0	0	1	37	
2	* JE8KGH	IS	242	260	45	11700	0	3	0	0	0	1	2	0	2	0	2	0	0	38	
3	+ JH6QIL	KG	193	208	47	9776	0	1	0	0	0	0	0	0	0	0	0	0	0	24	
4	+ JG1CFO	CB	141	188	46	8648	0	1	0	0	0	1	0	0	1	0	1	0	0	13	
5	JM6EKY	KG	191	162	42	6804	6	2	0	0	2	1	3	0	0	0	0	0	0	23	
6	+ JK3HFN	HG	436	153	42	6426	0	0	0	0	0	3	1	0	0	0	0	0	0	17	
7	+ JH1QMX	KN	99	137	35	4795	0	0	0	0	0	1	1	0	0	0	0	0	0	8	
8	JH1XUZ	CB	98	116	36	4176	0	1	0	0	0	1	0	0	0	0	0	0	0	4	
9	+ JQ1VDJ/1	ST	101	104	38	3952	0	3	0	0	0	2	0	0	0	0	0	0	0	12	
10	+ JL1KLG	IB	70	108	29	3132	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
11	+ JA5IVG/5	TS	95	95	31	2945	0	1	0	0	0	1	0	0	0	0	0	0	0	6	
12	JS1IFK	TK	64	95	29	2755	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
13	+ JH6SCA	NS	82	80	33	2640	0	1	0	0	0	0	1	0	0	0	0	0	0	8	
14	+ JE8CLT	IS	79	77	33	2541	1	1	0	0	2	0	0	0	0	0	0	0	0	6	
15	+ JA5QYR	KA	270	84	28	2352	1	1	0	0	0	2	1	0	0	1	0	0	1	5	

S-OP 14 MHz			Clamed QSO	Final Results							IM	UM	RR	RS	MR	MS	NF	TM	WC	OF	NL
Rank	CALL	QTH		pts	multi	score															
16	JK8PBO	IS	59	82	28	2296	0	0	0	0	0	1	1	0	0	0	0	1	6		
17	+ JE8KDQ	RM	63	71	30	2130	0	0	0	0	2	0	0	0	0	0	0	0	2		
18	JA3MIB	OS	68	68	28	1904	1	0	0	0	0	0	0	0	0	0	0	0	7		
19	JL4WYY	HS	79	60	23	1380	0	0	0	0	0	0	0	0	0	0	0	0	2		
20	JH7VOT	IT	50	48	21	1008	1	0	0	0	0	0	0	0	0	0	0	0	1		
21	JA0HCQ	NN	43	54	17	918	2	2	0	0	0	0	0	0	0	0	0	0	1		
22	JE6CIY/4	YG	40	40	21	840	0	0	0	0	0	0	0	0	0	0	0	0	0		
23	JG5DHX	EH	32	29	17	493	0	0	0	0	0	0	1	0	0	0	0	2			
24	JA1PTR	ST	29	30	16	480	0	0	0	0	0	0	0	0	0	0	0	1			
25	JO1JKH	TG	18	24	10	240	2	0	0	0	0	0	0	0	0	0	0	0			
26	JE3VOK	HG	23	18	11	198	1	1	0	0	0	0	0	0	0	0	0	1			
27	JK8SZF	IS	13	12	11	132	1	0	0	0	0	0	0	0	0	0	0	0			
28	JA5AWZ	KC	6	18	5	90	0	0	0	0	0	0	0	0	0	0	0	0			
29	JG7UVO	FS	10	9	7	63	0	0	0	0	0	0	0	0	0	0	0	1			
30	JE2HXL/2	ME	6	10	5	50	0	0	0	0	0	0	0	0	0	0	0	0			
31	JA0EYF/2	GF	7	7	4	28	0	0	0	0	0	0	0	0	0	0	0	0			
32	JA7TJ	IT	5	5	5	25	0	0	0	0	0	0	0	0	0	0	0	0			
33	JR1USU/1	KN	3	3	3	9	0	0	0	0	0	0	0	0	0	0	0	0			
34	JR2KPO	ME	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0			
S-OP 21 MHz			Clamed QSO	Final Results							IM	UM	RR	RS	MR	MS	NF	TM	WC	OF	NL
Rank	CALL	QTH		pts	multi	score															
1	* JG1AVO	CB	278	306	45	13770	0	3	0	0	0	1	5	1	2	1	2	1	86		
2	+ JA1JRS	TK	218	265	47	12455	1	2	0	0	2	1	0	0	0	0	0	1	50		
3	+ JP6NWR	FO	105	141	34	4794	1	0	0	0	0	0	0	0	0	0	0	0	15		
4	+ JR8RGH	KK	97	98	35	3430	0	0	0	0	0	1	0	0	0	0	0	1	9		
5	+ JR1BTG	ST	67	115	28	3220	0	0	0	0	3	0	0	0	0	0	0	0	5		
6	+ JA4VNE	YG	101	84	24	2016	1	1	0	0	0	0	0	1	0	0	0	7			
7	+ JF7FHY	IT	44	83	22	1826	0	0	0	0	0	0	2	0	0	0	0	3			
8	JE1HTV	ST	42	66	19	1254	0	0	0	0	0	0	0	0	0	0	0	4			
9	JA1OZT	CB	31	54	20	1080	0	0	0	0	0	0	1	0	0	0	0	0			
10	+ JE3BXY	NR	27	48	19	912	0	0	0	0	0	1	0	0	0	0	0	2			
11	JA8CEA	KK	33	44	19	836	0	0	0	0	0	0	0	0	0	0	0	1			
12	JG1PDC	KN	20	44	16	704	0	0	0	0	0	0	0	0	0	0	0	0			
13	JA1FCY/1	CB	28	41	17	697	0	1	0	0	0	0	0	0	0	0	0	2			
14	JJ4NZO	HS	33	30	14	420	0	1	0	0	1	0	0	0	0	0	0	1			
15	JA1BIV	TK	17	41	8	328	0	0	0	0	0	0	0	0	0	0	0	4			
16	JR1LLD	KN	14	20	12	240	1	0	0	0	0	0	0	1	0	0	0	0			
17	JO2FBV	SO	19	45	5	225	0	0	0	0	0	0	0	0	0	0	0	6			
18	JQ1NID/1	GM	4	8	4	32	0	0	0	0	0	0	0	0	0	0	0	0			
19	JL1VTG	CB	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0			
19	JE4KQH	OY	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1			
S-OP 28 MHz			Clamed QSO	Final Results							IM	UM	RR	RS	MR	MS	NF	TM	WC	OF	NL
Rank	CALL	QTH		pts	multi	score															
1	* JM4WUZ	HS	112	134	39	5226	0	3	0	1	0	1	0	0	0	0	0	0	13		
2	+ JF6LIU/1	KN	86	95	19	1805	0	2	0	0	0	1	0	0	0	0	0	0	11		
3	+ JQ1NGT	TK	82	83	18	1494	1	1	0	0	0	1	0	0	0	0	0	0	12		
4	+ JO1WIZ	ST	36	29	9	261	0	0	0	0	0	0	0	0	0	0	0	0			
5	JE1ALA	ST	18	21	9	189	0	0	0	0	0	0	0	0	0	0	0	1			
6	JR4WEI/3	HG	5	7	3	21	0	0	0	0	0	0	0	0	0	0	0	0			
7	JJ7OED	AT	2	6	2	12	0	0	0	0	0	0	0	0	0	0	0	0			
8	JA1UKF/1	KN	2	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0			
9	JH8CLC/8	IS	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0			
S-OP 50 MHz			Clamed QSO	Final Results							IM	UM	RR	RS	MR	MS	NF	TM	WC	OF	NL
Rank	CALL	QTH		pts	multi	score															
1	* JA1IE	TK	50	44	9	396	0	0	0	0	0	0	0	0	0	0	0	0	6		
2	+ JQ1HYB	ST	25	23	10	230	2	0	0	0	0	0	0	0	0	0	0	0	0		
3	+ JF1MLG	KN	9	8	4	32	1	0	0	0	0	0	0	0	0	0	0	0			
4	+ JH2FOR	AC	8	6	5	30	1	0	0	0	0	0	0	0	0	0	0	1			
5	JE1RID/1	ST	4	4	2	8	0	0	0	0	0	0	0	0	0	0	0	0			
6	JM1IDR	KN	2	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0			
7	JR6HYO/1	TK	3	3	1	3	0	0	0	0	0	0	0	0	0	0	0	0			
8	JK1DTK	TK	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0			
8	7N1MJH	TK	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0			
8	JE8IAS	IS	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0			

SWL			Clamed DATA	Final Results													
Rank	CALL	QTH		pts	multi	score	IM	UM	RR	RS	MR	MS	NF	TM	WC	OF	NL
1	* JA4-4665/1	KN	499	563	156	87828	0	0	0	0	0	0	0	1	0	0	3
2	+ JA4-37294	OY	13	12	11	132	1	0	0	0	0	0	0	0	0	0	0
3	JA3-6644	HG	10	10	8	80	0	0	0	0	0	0	0	0	0	0	0
4	JA1POS	YN	10	7	6	42	3	0	0	0	0	0	0	0	0	0	0
SWL Overseas			Clamed DATA	Final Results													
Rank	CALL	QTH	pts	multi	score	IM	UM	RR	RS	MR	MS	NF	TM	WC	OF	NL	
1	LZ1-H-192	EU	3	2	2	4	0	0	0	0	0	0	0	1	0	0	0
CHECK LOG: 7M1VUE/1, 7M4CLF, JA1COH, JA2STO, JA5FOP, JA5NSR, JA8AJE, JE1NSA, JE2VYM, JE5IWA, JE7WBI, JF1LEO/1, JG8QXB, JQ2WGY/3, JR3BOT, JR3FYM, JR8YLY/3, JS2JAD																	
Ops JH1OES: JH1OES, JH1RVN JJ2YKZ: JO2CKU, JA1GOY JO1YKX: JA5INF, JA5IUN																	