

Ver. 7 - 5. April 2020

2019 SCANDINAVIAN ACTIVITY CONTEST



RESULTS AND STORIES
TO AND FROM PARTICIPANTS

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Introduction

The Scandinavian Activity Contest celebrates 60 years of fun contesting. The first contest took place in 1959 and we still have the very same operators participating in SAC, 60 years later. You can enjoy photos and historical anecdotes in this years SAC booklet. A big thank you to all who has generously contributed!



Contesting or Radiosport is in continuous development. 60 years ago you had to prepare a bunch of sharpened pencils and a big paper dupe sheet. The radios was warm and glowing! This is far away from todays computer logging and software defined radios. Contesters has always been on the edge of technology.

The 2019 years SAC results are reflecting that we still have very low sun activity. In the SSB part only 5 QSO's was logged on 10 meter. Despite this, a handful all-time new records where broken. Sometimes the impossible is possible!

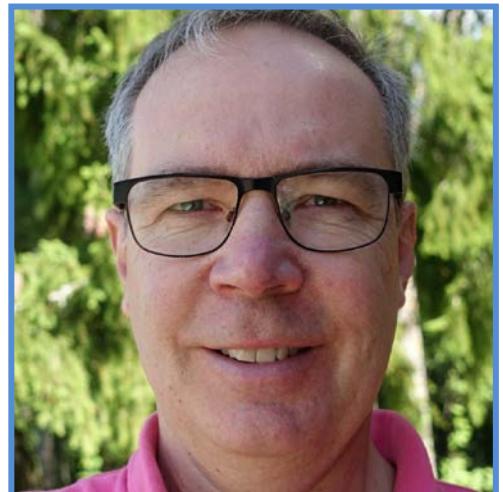
We still have Scandinavian stations not obeying the frequency rules. 3000 QSO's was "lost" when judging the logs and it's of course only a fraction of the total QSO amount. The frequency rule is a courtesy to the non-contesters. SAC is a regional contest and should not occupy more spectrum than necessary.

This year we will hand out 60+ SAC plaques and almost 40 Sponsored Plaques. We are both happy and grateful for having so many generous sponsors. Your contribution will decorate many shack walls around the world. Thank You!

Without having a Contest Committee behind the scenes it would be impossible to make the SAC happen each year. The team consists of Morten LB8DC, Henning OZ2I, Tomi OH6EI and Ingo SM5AJV. Having a multi-national team is a strength and we easily interact with each other without having met in person - that's true ham spirit.

Finally I would like to say THANKS to all participants, no matter if you just made a handful of QSO's or took 24 straight hours without sleep. You are all amazing and it's YOU who make SAC!

73 & CU in SAC 2020!
Ingo SM5AJV
SAC CC Teamleader



OH3VV (former OH5QN)

SAC 2019 participant@ OH2A - Vili, OH3VV, age of 93

Vili also participated the very first 1958 SAC contest with equipment featured in the pictures. The antenna was G4ZU, 40M vertical, and a W3DZZ dipole. Power 100 W, with final tube OS 50. He only started running contests after moving from Pori (OH1) in 1954 to Kuusankoski (OH5). There he built the first rotating directional antenna in 1954. Since then, he's been using rotating beams for 60 years. After giving up his summer cottage in 2014, he has have only G5RV at home.

Beside the list of contests, Vili was also active in domestic contests which show some trophies in 1957 rig picture. The most active organizer of the competitions at that time was OH2AA club and SRAL. His personal contest activity was disrupted by his XYL Irmeli, OH5SL, (lately OH2TJ, OH3TJ) and her activity in international contests since 1960. Mainly Vili was active on voice (AM/SSB). He did not receive CW training during the war and never developed CW to contest level.

He remember one CW QSO well and OH2BH remembers it too. It was a year when Martti got his permit. Vili was working All Asian CW 1961 He heard a weak OH behind of beam and gave him 559. Later it turned out that the caller was Martti, OH2BH at the age of 15.

There was also a list of his contest achievements, a bit too long to be added on the page as whole, but there are ten lines of SAC and tens of other contests.

Our star reporter Martti OH2BH interviewed Vili OH3VV for our publication.

First Martti mentioned that in old days Vili was in "politics" too, being a member of SRAL board. Also at old days there were many political debates but let's not discuss those here.

To the main subject: 93 years young OH3VV at OH2A in the 2019 SAC SSB, how did it go?



Q: How many hours went smoothly for the persimmon muscles?

A: For about two hours.

Q: Did you get callers straight or was it difficult to copy - did you notice such as Don, K8MFO when he called, or only after? Any other old guys?

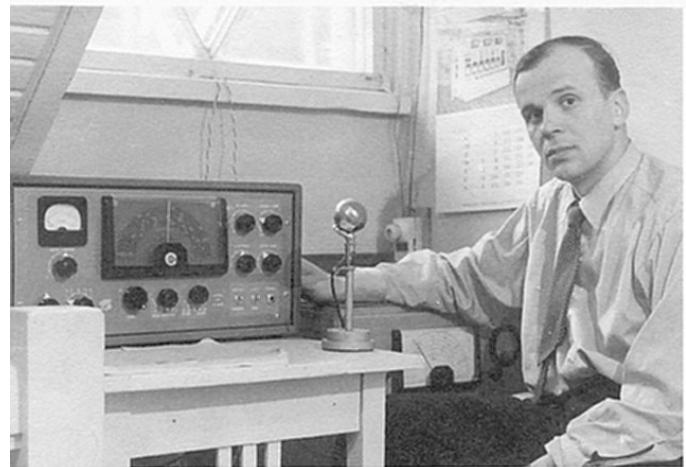
A: Don had informed me earlier that he'll be looking for me and QSO came easily. No other old ones detected.

Q: How was next day sleep after SAC?

A: Good. And I went to veteran rehabilitation the following Monday. It took two weeks to recover. (editor good idea for other participants, too)

Q: Did your Mrs Marja tell you that you exceeded yourself? Or was it same as my mother already when I was a little boy - the health is not to be played with (in here she meant OH2BH to be not falling from roof) ?

A: Mrs was monitoring my health at all times.



Q: What is your real birthday? Can we already agree that you will be the first to run SAC at the age of 100! (assuming that head of your birthday committee -OH2BH - is still alive)?

A: 16.5.2026 I'll be 100. Of course for SAC if I'm alive and OK then.

Q: Kindly share your medicine - not the *pharmaceutical* - with the younger chaps to use to win SAC same way as you did 1958 ? Like in the pictures you have tie around your neck? Should we put tie on for the future win? Commitment and consistency? Should we have Mrs bring some tea - or maybe something stronger added into it now or then... to keep the blood flowing?

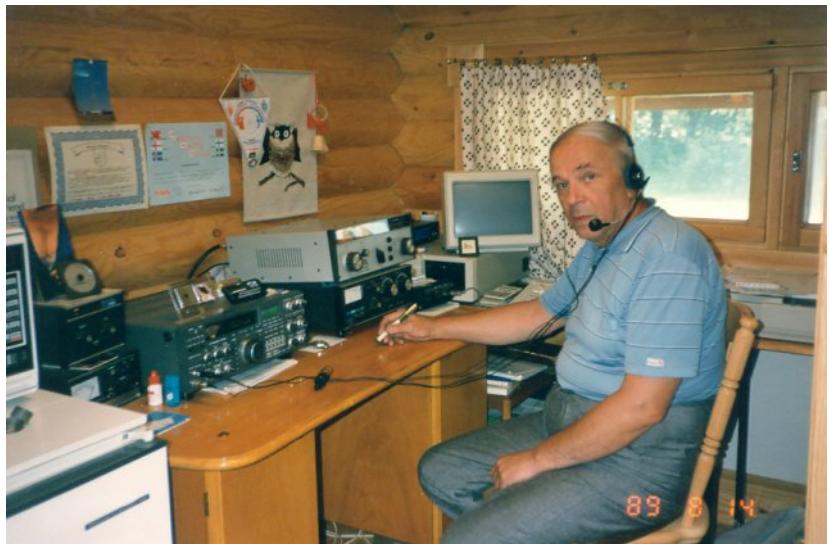
A: Decent station and antennas and enthusiasm are the key. Only tea, maybe with a goblet of Fernet Branca every six hours.

Q: Ask recommendation from Mrs Marja (Vili's current nurse wife)) Would 24 or even 48 hours be better for strong adult person?

A: Both are ok with a *Rhythm* -- 6h work 6h rest would be perfect.

Q: Does it help to have a beautiful young lady beside you in the contest, must you then be more upfront not to lose your faith and face (or what's left of it)?:

A: Thinking of a young women is no help for SAC winning!.



OH1TX 2019-1959



OH1TX at his radio in 2019 and before that at his radio in 1959 - Photo by OH1TX

SAC is sponsored by NRAU, Nordic Radio Amateur Union
SAC Committee 2019: SM5AJV - OH6EI - OZ2I - LB8DC

2019 Booklet dedicated to the 60th anniversary of this radio activity contest started in 1959



Nordic Radio Amateur Union

All the Nordic countries have our own national Amateur Radio organization. More of the countries have similar languages making both general understanding and cultural understanding across the borders much easier. Additionally, we also have common interests and goals regarding Amateur Radio as such.

These are just some of the reasons why the organizations joined our forces in establishing a Nordic amateur radio community named the "Nordic Radio Amateur Union" (**NRAU**).

NRAU is a Nordic organization composed of individual national organization. NRAU's aim is to coordinate radio amateur activities, and to work towards a common solution for the Nordic countries.

NRAU holds a meeting ahead of every IARU conference, where all proposed agenda items are duly discussed in the attempt to reach a mutual Nordic understanding and agreement, when possible.

NRAU is the sponsor of the Scandinavian Activity Contest.

Log programs

- | | |
|------------------------------|---|
| o AATest by RZ4AG | http://www.aalog.com/ |
| o DXLog.net by 9A5K | http://www.dxlog.net/ |
| o GEN LOG by W3KM | http://www.qsl.net/w3km/ |
| o jLog by LA3HM | http://ilog.org/ |
| o Log4U by SM3CER/SM5NBE | http://www.sk3bg.se/contest/log4u.htm |
| o Log4Win by UR5FCM | http://log4win.ucoz.net/ |
| o Lux-Log by LX1NO | http://luxlog.lx1no.info/ |
| o N1MM Logger | http://www.n1mm.com/ |
| o NA by K8CC | http://www.datomonline.com/ |
| o OH2GI Ham System | http://www.kolumbus.fi/jukka.kallio/ |
| o SAC by LAØFX | http://www.qsl.net/la0fx/ |
| o SD by EI5DI | http://www.ei5di.com/ |
| o TR by N6TR | http://www.trlog.com/ |
| o UcxLog by DL7UCX | http://www.ucxlog.org/ |
| o Win-Test by F5MZN | http://www.win-test.com/ |
| o Wincontest by I8VKB | http://digilander.libero.it/wincontest/ |
| o WriteLog by W5XD | http://www.writelog.com/ |
| o RIIMPed for Mac by DL2RIIM | http://dl2rum.de/rumsoft/RIIMPed.html |



DJ2PJ - Winner 1959

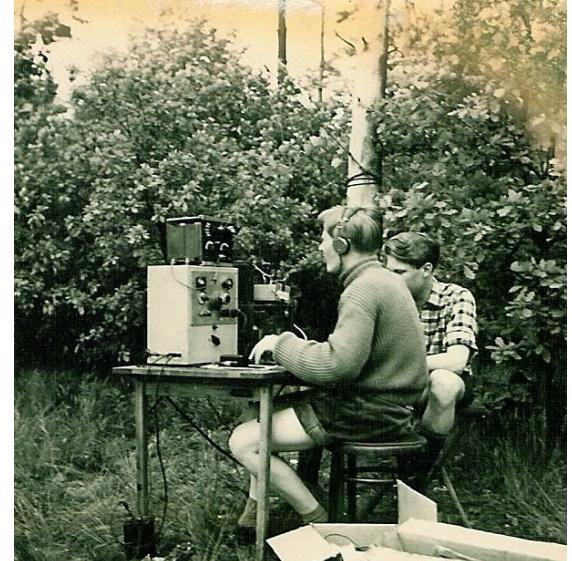


DJ4NH, Dieter "Charlie" Schoop, and I, DJ2PJ, were the German winners of the multi-op category of the SAC back in 1959. The certificate for that still exists. You'll find it enclosed together with the only photograph I have, depicting DJ4NH and myself during a field day one or two years before the 1959 event of the SAC.

As far as I can remember, we decided to take part in the SAC as a multi-op because we simply couldn't afford the time for single-op. We had started studying, he (electrical engineering) in Hannover, some 50 km away from our mutual hometown Nienburg, and I (Psychology and German Literature) in Hamburg, 120 km away. So we made it together.

Charlie and I belonged to the "infamous" Nienburg Gang which was known all over the place as a group of very active and extremely fanatic radio amateurs of about the same age. You'll find a description of the group on my homepage under <http://www.hadis-pg.com/jubilee.htm>

I'll be 84 years old in next October, retired of course, still regularly active on shortwave and VHF. I received my license in 1955. More details also on my webpage and QRZ.COM.



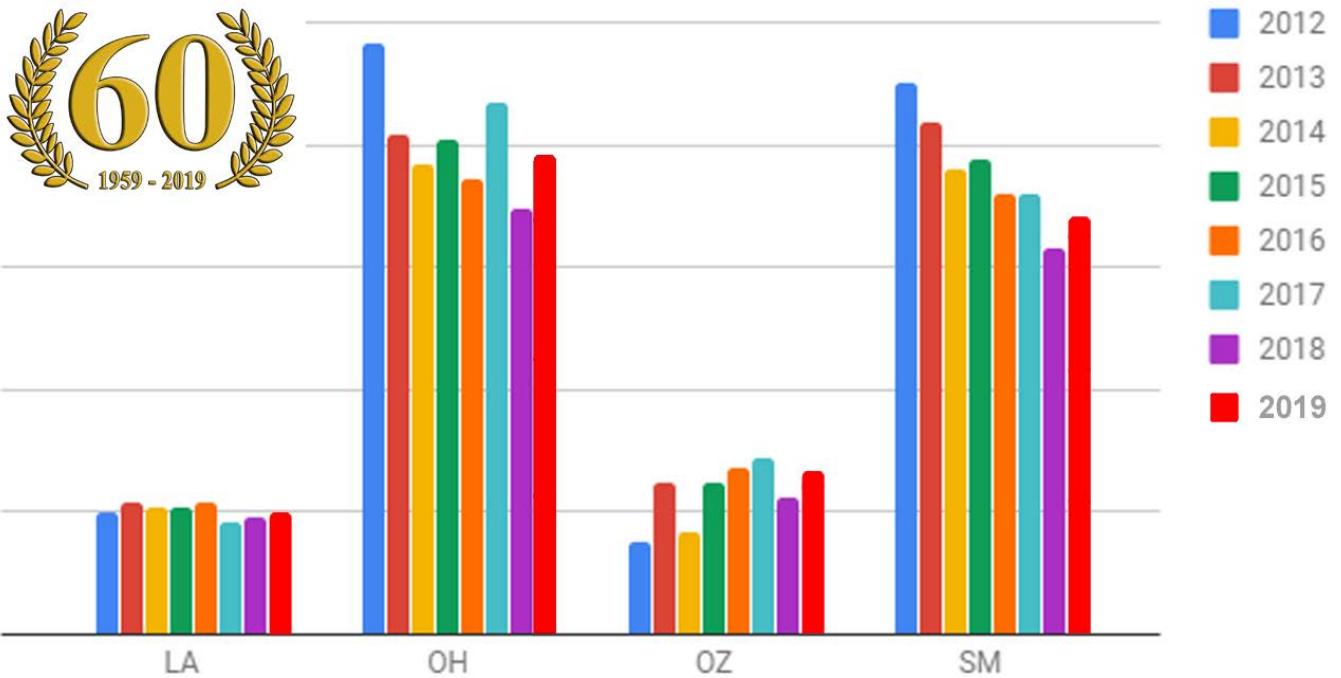
DJ4NH died many years ago. I finally lost contact to him when I started my professional life and settled over to the Frankfurt-on-Main region where I still live.

73 from Germany
Hadi DJ2PJ ex-OHØJWH ex-OHØP ex-G5APJ

SAC Scandinavian Cup 2019

No	Country	CW Logs	CW Score	SSB Logs	SSB Score	Total Logs	Total Score
1	OH - Finland	107	15.818.545	127	8.061.220	234	23.879.765
2	SM - Sweden	92	13.934.863	93	4.126.266	185	18.061.129
3	OZ - Denmark	35	4.284.662	27	1.259.646	62	5.544.308
4	LA - Norway	23	4.026.760	28	547.768	51	4.574.528
5	OH0 - Aland Isl	3	1.862.718	2	935.077	5	2.797.795
6	OY - Faroe Islands	1	67.100	0	0	1	67.100
7	TF - Iceland	3	50.415	5	14.480	8	64.895
8	OJ0 - Market Reef	1	55.012	1	8	2	55.020
9	JW - Svalbard	0	0	1	3.813	1	3.813

SAC submitted Scandinavians logs 2012 - 2019



Feel free to visit our website with many more information's and including the Score-Database where you can find the actual as well as the historical results of the SAC Contest.

Goto <http://www.sactest.net>



Scandinavian Activity Contest

more than 50 years of HF contesting with the Scandinavians

[Home](#) [Log Upload](#) [Rules](#) [Activity](#) [Records](#) [Results](#) [Claimed](#) [Propagation](#) [FAQ](#) [Archive](#)

SAC Plaque Winners 2019

SCANDINAVIA

CW

SO HI AB – OG2B
 SO LO AB – LA2AB
 SO QRP AB – OH0V
 SA HI AB – OH1TX
 SA LO AB – SE5E
 SA QRP AB – SF0A
 SO LO AB TB-W – 5Q6EE
 SO LO AB WIREY – SD7W
 SA HI AB TB-W – LB8DC
 SA LO AB WIRE – SE4E
 M-1 HI AB – OG7F
 M-M HI AB – OH1F
SSB
 SO HI AB – OH8X
 SO LO AB TB-W – OG3P
 SO QRP AB TB-W – 8S3DX
 SA HI AB – OG6N
 SA LO AB – OH0V
 SA QRP AB – OG3X
 SO LO AB TB-W – OG3P
 SO HI AB WIRE – OV9M
 SA HI AB TB-W – OH6DX
 SA HI AB WIRE – SE1E
 M-1 HI AB – OH0W
 M-M HI AB – OH5Z

AFRICA

CW

SO QRP AB – EA8/DL2TM
 SA HI AB – EA8DIG
SSB
 SO HI AB – EA8DED

OCEANIA

CW

SO HI AB – ZL2AGY
 SA HI AB – ZM4G
 SA HI LB – ZL3PAH
SSB
 SO HI AB – YB3IZK
 SA LO AB – YC8EJ
 SA HI LB – YF3CYT
 M-1 HI AB – 9M4CRP

ASIA

CW

SO HI AB – R8WF
 SA HI AB – RG9A
 SA HI LB – UA9W
 M-1 HI AB – UA9BA
SSB
 SO HI AB – R8WF
 SA HI AB – UN7LZ

EUROPE

CW

SO HI AB – LZ5R
 SA HI AB – UA6LFQ
 SA HI LB – LY5R
 M-1 HI AB – IQ2MG
SSB
 SO HI AB – LZ1GU
 SA HI AB – I2WIJ
 SA HI LB – LY2A
 M-1 HI AB – LZ5R

NORTH AMERICA

CW

SO HI AB – K8MFO
 SA LO AB – AA2A
 SA HI LB – VE9CB
 M-1 HI AB – KC1XX
SSB
 SO HI AB – K8MFO
 SA HI AB – KC1XX
 M-1 HI AB – NV9L

SOUTH AMERICA

CW

SO LO AB – PY1AX
 SA HI AB – YV4ABR
 SA HI LB – PY2KJ
SSB
 SO HI AB – PJ4DX
 SA HI AB – PY5QW
 M-1 HI AB – CE2LS



DL5JQ - 1983



LA2AB-Antennas-op LA7MFA

Sponsored Plaque Winners

For non-Scandinavian single operators

(CW + SSB combined, unless otherwise mentioned)

LZ1GU	Worked most LA	Sponsor: Morten Kvernmoen, LB8DC
LZ1GU	Worked most OH	Sponsor: Jukka Kulha OH2MA
LZ1GU	Worked most OZ	Sponsor: Thomas Andersen, OZ1AA
LZ1GU	Worked most SM	Sponsor: Kurt Brännäs, SE2T
RL4F	Worked most TF	Sponsor: Thorvaldur Stefansson, TF4M
UN7LZ	Best combined score	Sponsor Jari Perkiomäki OH6BG
IN3FHE	Best YL/XYL	Sponsor: Veijo Kontas, OH6KN)
AA2A	Best NA	Sponsor: Hans Johansson, SM0IMJ)
YL3CW	Best Baltic	Sponsor: Jyrki Nieminen, OH6CS
DL5JQ	Best Germany + Poland	Sonsor: Uwe Dowidat DL8UD
MM3AWD	Best UK + Republic of Ireland	Sponsor: Tomas Vikman SM3WMU
UA6LFQ	Best European Russia	Sponsor: Anton Teterin, OG2K
R8WF	Best Asiatic Russia	Sponsor: Kurt Brännäs, SE2T
I2WIJ	Most multipliers	Sponsor: Arto Liimatta OH2KW
OK2QA	CW: Best Czech + Slovakia	Sponsor: Zaba Hubach, OH1ZAA
ES1QD	CW: Best Estonia LP	Sponsor Timo Klimoff, OH1NOA/ES1NOA
JA7ACM	CW: Best JA	Sponsor: Jari Perkiomäki, OH6BG
RX9AF	CW: Best accuracy (at least 200 QSOs)	Sponsor: Henning Andresen, OZ2I
E20WUE	CW: Best HS/E2	Sponsor: Markku Korhonen OH8UV
EU8U	CW: Best Sunday score, 00-12 UTC	Sponsor: Peter Sundberg, SM2CEW
UA9W	CW: Best low band score (80+40)	Sponsor: Helga Ferrante Picelli IN3FHE
UA6LFQ	CW: Best high band score (20+15+10)	Sponsor: Tommy Clemmensen OZ1THC
JR3AAZ	SSB: Best JA	Sponsor: Kari Viitamäki, OH6FSG

For Scandinavian single operators

(CW + SSB combined, unless otherwise mentioned)

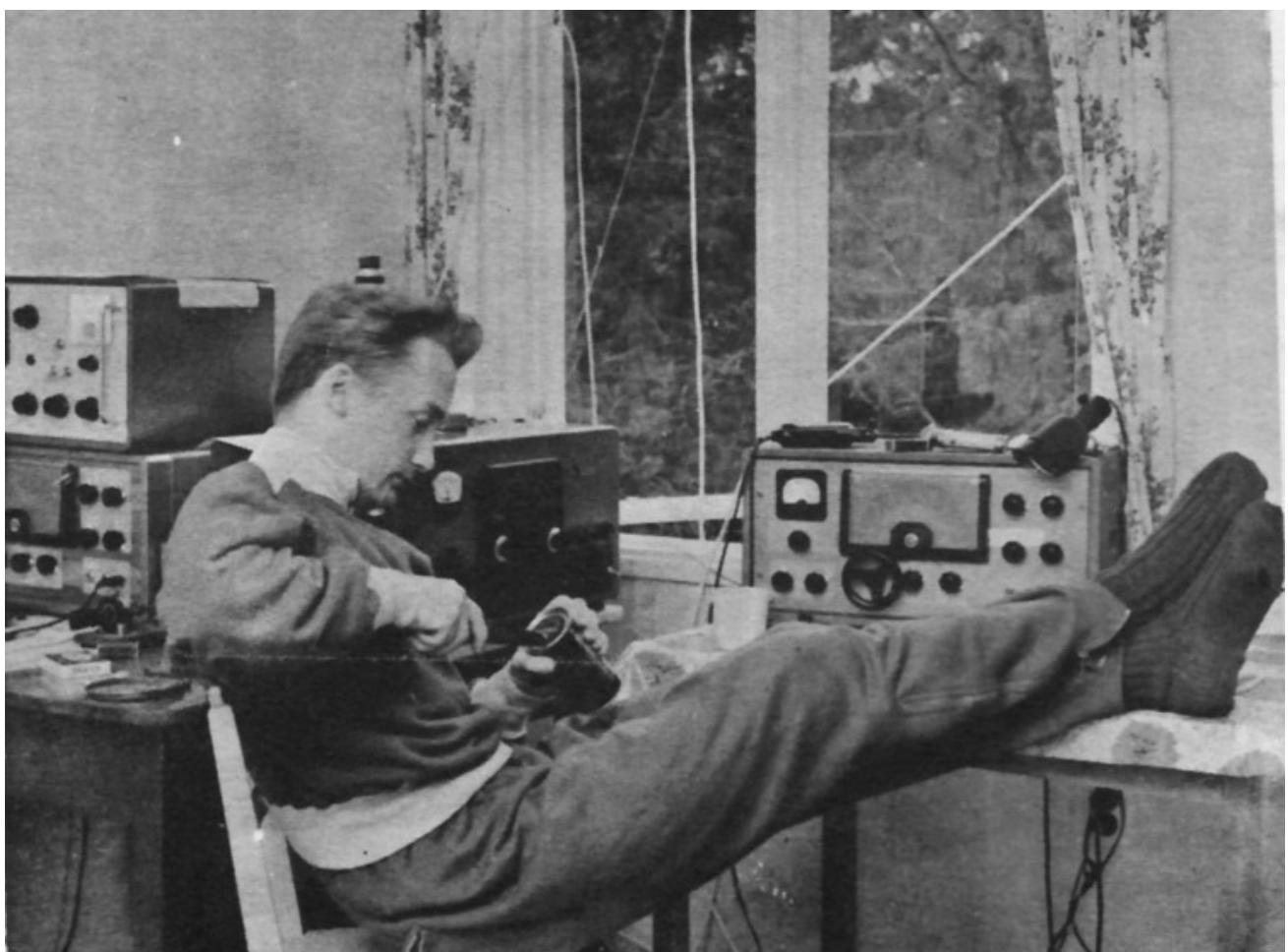
OZ6SYL	Best YL/XYL	Sponsor: Ulf Melin, SB3W
OZ1LO	Best OX/OY/OZ	Sponsor: David Siddall K3ZJ
SM2U	Best SOAB HP Unassisted Sweden	Sponsor: Tord Julander SM3EVR
SM5IMO	Best SOAB LP Unassisted Sweden	Sponsor: Tord Julander SM3EVR
OG2B	Most multipliers	Sponsor: Kenneth Hemstedt OZ1IKY
OH5CZ	CW: Best young operator (under 25)	Sponsor: Mika Liimatainen, OH6NVC
LN8W	CW: Best accuracy (at least 300 QSOs)	Sponsor: Henning Andresen, OZ2I
SM2U	CW: Best SOAB HP Unassisted Sweden	Sponsor: Mikael Larsmark, SJ2W
SD7W	CW: Best Low Power Single Wire	Sponsor: Kenneth L. Poulsen, OZ1BIZ
OG2B	CW: Best Sunday score, 00-12 UTC	Sponsor: Peter Sundberg, SM2CEW
SD2M	SSB: Best SOAB HP Unassisted Sweden	Sponsor: Mikael Larsmark, SJ2W

OH2YV 1960

It is a long story how this Contest was born, but just briefly the following.

During 1950's I participated many times in the OZCCA Contest, with a good success at times. Also NRRL and SSA had their own activities. I became great friends with Boerge, OZ2NU (sk) and one day just asked him what he would think about a new international Contest covering the Nordic Countries, Scandinavia.

At first he was not very eager as he was a little worried about the future of the OZCCA Contest but after more consideration he thought the idea is good. This happened already in 1957. I talked also with some other friends in LA and SM, and got "green light" to go further. Nick, OH2XK (sk) was the Contest Manager of SRAL, and together with him we started preparing the lines for this contest.



We made a proposal to the Administrative Board of SRAL, and got a "go ahead" from there. I wrote a draft for the rules, which was sent to the other three Societies EDR, SSA and NRRL. After some discussions and negotiations the rules found their final form, and the SRAL was ready to start with first SAC in 1959.

So last year, 2018 the 60th SAC took place, and actually, when this year's (2019) contest begins, the SAC will be exactly 60 years old.

Personally I am happy to see, after 60 years, how vital this contest still is.

I am an oldtimer, 85 years of age, licensed in 1951 as OH2YV. I am no more participating in contests but like to follow the progress and activities.

Veikko "John" Velamo, OH2YV

OZ7BQ 1959

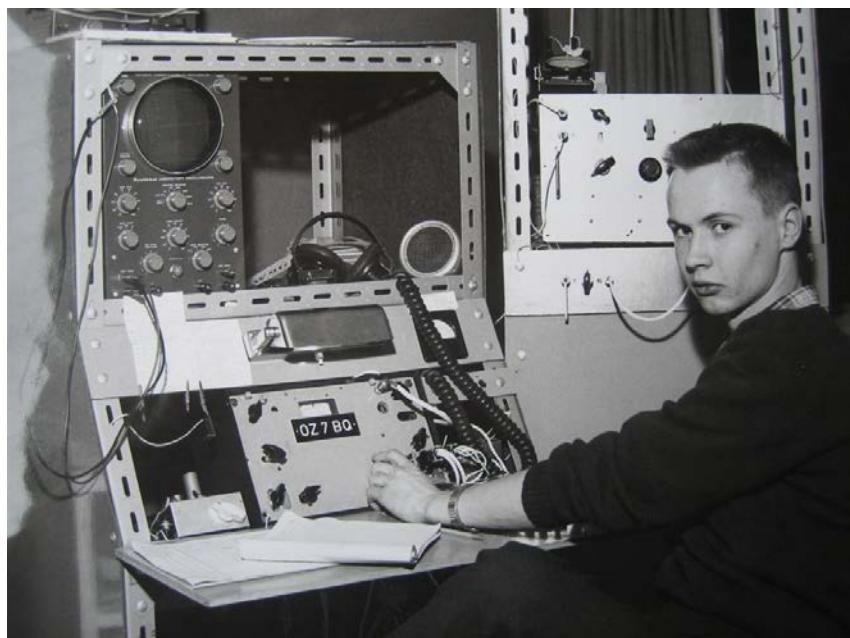
Here is a picture of my station. I believe it's taken around the year 1959.

Transmitter was a VFO, buffer with a 6146 in the PA stage and 90 Watts input, home-built.

The receiver was a home built transistorized superheterodyn. One of the first in this country.

Part of one of my old logs from the Scandinavian Activity Contest 1959. I think many participants will be familiar with this type of handwritten log.

Vy 73 de OZ7BQ Hans Jørgen



CALL <u>OZ7BQ</u>		DATE: <u>3.V.2 1960</u>	<u>LOG FOR</u> Scandinavian AC		<u>CONTEST</u>	NAME _____
LOG FOR MC. BAND (Use separate log for each band.)		Station used: Tx <u>0146</u>	Input <u>90</u>	Watts Rx / Ant. <u>13-transistors</u>	QTH _____	QTH _____
DATE (GMT)	TIME (GMT)	STATION	CODE-GROUP		REMARKS	POINTS Do not fill
			SENT	RECEIVED		
1505	SP1MAG	57 9001	57 9002	✓ - 7 - 14	2	
1507	OJ2EØ	57 9002	57 9002	✓ " 1	2	
1510	SP2DX	58 9003	58 9004	✓ " X	2	
1515	OJ4SB	58 9004	58 9002	✓ " X	2	
1517	63K2R	58 9005	58 9004	✓ " ✓	2	
1520	OZ7JIN	58 9006	58 9006	✓ " 1	2	
1522	PAQ01	58 9007	58 9001	✓ " X	2	
1525	OJ5AV	58 9008	59 9002	✓ " X	2	
1531	OZ9AP	58 9009	58 9004	✓ " X	2	
1532	SP82R	58 9010	56 9007	✓ " X	2	
1545	EPBWLO	57 9012	58 9005	✓ " X	2	
1600	U96YL	59 9013	58 9004	✓ " 4	2	
1610	9B5YI	59 9014	56 9024	✓ " "	2	
-20	HA5BI	59 9015	57 9009	✓ " X	2	
25	YU1SF	59 5016	57 9010	✓ " "	2	
26	YU4TVE	59 5017	59 9009	✓ " "	2	
29	YU7RR	59 5018	58 9008	✓ " "	2	
31	F8N1	57 9019	59 9018	✓ " "	2	
05	UD6KAB	57 9020	57 9002	✓ " "	2	
08	63MPY	57 9021	56 9001	✓ " "	2	
05	999C6	57 9022	57 9004	✓ " "	3	

SAC Records - SCANDINAVIA

CW

CAT	CALL	YEAR	QSO	POINTS	MULT.	SCORE	OPR.
SO AB HIGH	OH0V	2014	2.519	5.995	274	1.642.630	OH6LI
SO AB LOW	OH0V	2013	1.872	4.225	202	853.450	OH6LI
SO AB QRP	OH3BU	2002	661	1.473	125	184.125	
SA AB HIGH	OH1F	2016	1.998	4.770	222	1.058.940	OH1TM
SA AB LOW	SG5W	2014	1.348	3.071	192	589.632	SM5IMO
SA AB QRP	SB0A	2016	685	1.455	99	144.045	SM0LPO
SO TB-WIRE HIGH	LA8OM	2016	1.828	4.220	189	797.580	LA8OM
SO TB-WIRE LOW	OH1RX	2013	1.433	3.139	169	530.491	OH1RX
SO ROOKIE HIGH	OH5CZ	2016	1.354	3.072	158	485.376	OH5CZ
SO ROOKIE LOW	OH5CZ	2015	803	1.701	126	214.326	OH5CZ
SO WIRE HIGH	OH6AC	2016	1.349	2.970	162	481.140	OH6CS
SO WIRE LOW	SD7W	2019	1.133	2.374	127	301.498	DL2SWW
SO 80M	8S0DX	2016	616	1.326	50	66.300	SM0DSG
SO 40M	OH7N	2010	1.120	2.602	70	182.140	OH7MA
SO 20M	OH8L	2016	1.240	3.083	80	246.640	OH8LQ
SO 15M	OH6AC	2002	1.074	2.706	77	208.362	OH6CS
SO 10M	OH5BM	2002	635	1.605	66	105.930	
MULTI-ONE	OH1F	2002	2.174	5.248	292	1.532.416	OH1MDR OH1MM OH1NOA
MULTI-MULTI	SK3W	2002	3.871	9.419	342	3.221.298	SM0GNU SM0OEK SM3EVR SM3OSM SM3SGP SM5IMO

SSB

CAT	CALL	YEAR	QSO	POINTS	MULT.	SCORE	OPR.
SO AB HIGH	OH0B	1999	2.777	7.326	304	2.227.104	OH2BH
SO AB LOW	OH4R	2002	1.373	3.278	230	753.940	OH4JFN
SO AB QRP	LA1DSA	2014	236	504	83	41.832	LA1DSA
SA AB HIGH	OH5BM	2014	1.558	3.470	237	822.390	OH5BM
SA AB LOW	SE5S	2014	619	1.366	148	202.168	SE5S
SA AB QRP	SM0FPR	2014	99	205	55	11.275	SM0FPR
SO TB-WIRE HIGH	OH6DX	2019	1.017	2.186	160	349.760	OH6DX
SO TB-WIRE LOW	OH3JP	2014	818	1.756	166	291.496	OH3JP
SO ROOKIE HIGH	LA8FTA	2015	166	335	53	17.755	LA8FTA
SO ROOKIE LOW	OH6ECM	2013	627	1.358	129	175.182	OH6ECM
SO WIRE HIGH	OH6AC	2018	587	1.223	124	151.652	OH6CS
SO WIRE LOW	SF3A	2016	489	1.030	81	83.430	SM3CER
SO 80M	OH6RX	2008	551	1.142	51	58.242	
SO 40M	OH0JFP	2009	1.154	2.624	61	160.064	SM0TQX
SO 20M	OH4A	2002	1.827	4.871	79	384.809	OH6LI
SO 15M	OH5BM	2000	1.573	4.323	88	380.424	
SO 10M	OY9JD	2002	1.185	2.971	81	240.651	
MULTI-ONE	SK3W	2002	2.503	6.524	311	2.028.964	SM0GNU SM3EVR SM5IMO
MULTI-MULTI	OH2U	1999	4.560	12.066	363	4.379.958	OH1JT OH2BVI OH2HE OH2IW OH2JTE OH2XX OH6CT OH7JR

SAC Records - AFRICA

CW

CAT	CALL	YEAR	QSO	POINTS	MULT.	SCORE	OPR.
SO AB HIGH	7X0RY	2006	404	708	125	88.500	OK1DF
SO AB LOW	EA8CN	2001	183	315	97	30.555	
SA AB HIGH	EC8AFM	2011	91	121	64	7.744	EC8AFM
SA AB LOW	ZS6C	2018	4	4	3	12	ZS6C

SSB

CAT	CALL	YEAR	QSO	POINTS	MULT.	SCORE	OPR.
SO AB HIGH	EA8/OH2BYS	1999	345	503	137	68.911	
SO AB LOW	EA8/OH2BP	2014	266	340	103	35.020	EA8/OH2BP
SA AB HIGH	CR3L	2012	532	826	143	118.118	DF3FS
SA AB LOW	CN8VO	2016	49	75	30	2.250	CN8VO

SAC Records - ASIA

CW

CAT	CALL	YEAR	QSO	POINTS	MULT.	SCORE	OPR.
SO AB HIGH	UN9GD	2011	676	1.124	165	185.460	UN9GD
SO AB LOW	ZC4LI	2011	611	981	152	149.112	
SO AB QRP	RA9SO	2012	339	575	118	67.850	RA9SO
SA AB HIGH	RG9A	2014	765	1.345	186	250.170	RG9A
SA AB LOW	RA9AP	2014	624	1.014	177	179.478	RA9AP
SA AB QRP	UN8PT	2015	161	161	59	9.499	UN8PT
SA LB HIGH	RA9CMO	2015	294	669	72	48.168	
MULTI-ONE	UO5L	2011	742	1.258	179	225.182	UN7LZ UN9LAB

SSB

CAT	CALL	YEAR	QSO	POINTS	MULT.	SCORE	OPR.
SO AB HIGH	JT1CO	2014	459	801	148	118.548	JT1CO
SO AB LOW	RF9C	2012	475	701	141	98.841	RV9CBW
SO AB QRP	RV9WP	2003	145	227	67	15.209	
SA AB HIGH	5B4AIF	2011	835	1.217	184	223.928	5B4AIE
SA AB LOW	RX9CCJ	2014	292	322	93	29.946	
SA AB QRP	JA0VTK	2014	15	15	10	150	JA0VTK
SA LB HIGH	JA6GMC	2018	4	12	4	48	
MULTI-ONE	RK9CWW	2002	455	711	161	114.471	RZ9CO UA9CIR

SAC Records - EUROPE

CW

CAT	CALL	YEAR	QSO	POINTS	MULT.	SCORE	OPR.
SO AB HIGH	RZ3AXX	2010	653	653	178	116.234	UA8AA
SO AB LOW	R6YY	2011	651	651	156	101.556	R6YY
SO AB QRP	RT4W	2014	510	510	166	84.660	
SA AB HIGH	DL6FBL	2011	955	955	201	191.955	
SA AB LOW	S50XX	2014	705	705	186	131.130	S50XX
SA AB QRP	RW4WA	2014	514	514	177	90.978	RW4WA
SA LB HIGH	LY5W	2015	379	379	80	30.320	LY5W
MULTI-ONE	9A5Y	2014	792	792	192	152.064	9A3NM, 9A5CM, 9A5TO, 9A7DX

SSB

CAT	CALL	YEAR	QSO	POINTS	MULT.	SCORE	OPR.
SO AB HIGH	ES5TV	2010	757	757	177	133.989	
SO AB LOW	I2PJA	2014	667	667	158	105.386	
SO AB QRP	HG3M	2014	431	431	137	59.047	HA3MY
SA AB HIGH	LX7I	2012	928	928	191	177.248	OH6KZP
SA AB LOW	9A9J	2014	623	623	159	99.057	9A7ZZ
SA AB QRP	RW4WA	2014	318	318	142	45.156	RW4WA
SA LB HIGH	9A9A	2017	359	359	78	28.002	
MULTI-ONE	LZ5R	2012	818	818	180	147.240	LZ1UK LZ3RR LZ4UU

SAC Records - NORTH AMERICA

CW

CAT	CALL	YEAR	QSO	POINTS	MULT.	SCORE	OPR.
SO AB HIGH	AA2A	2013	505	909	140	127.260	N2KW
SO AB LOW	VE3DZ	2013	427	691	133	91.903	VE3DZ
SO ABQRP	KR2Q	2010	210	348	80	27.840	
SA AB HIGH	N2KW	2011	569	983	165	162.195	N2KW
SA AB LOW	AA2A	2019	233	425	94	39.950	N2KW
SA AB QRP	AB3WS	2016	58	92	43	3.956	AB3WS
SA LB HIGH	AA2A	2016	203	609	66	40.194	N2KW
MULTI-ONE	AA3B	2010	418	726	125	90.750	

SSB

CAT	CALL	YEAR	QSO	POINTS	MULT.	SCORE	OPR.
SO AB HIGH	K3ZO	2013	376	530	140	74.200	
SO AB LOW	VE3DZ	2002	268	346	100	34.600	
SOAB QRP	N4BP	2001	206	206	82	16.892	
SA AB HIGH	K1AR	2011	294	340	104	35.360	
SA AB LOW	W1/SP4Z	2014	61	93	48	4.464	W1/SP4Z
SA AB QRP	K8ZT	2018	26	26	18	468	K8ZT
MULTI-ONE	VA6MA	2013	291	399	105	41.895	VE6JY,VA6MA @ VE6JY

SAC Records - OCEANIA

CW

CAT	CALL	YEAR	QSO	POINTS	MULT.	SCORE	OPR.
SO AB HIGH	VK2APK	2002	220	266	88	23.408	
SO AB LOW	VK2APK	2001	219	267	83	22.161	
SO AB QRP	YB0ANN	2015	25	25	19	475	
SA AB HIGH	ZL2B	2014	217	269	77	20.713	ZL2B
SA AB LOW	YB2TJV	2015	41	49	23	1.127	YB2TJV
SA LB HIGH	ZM4G	2015	88	264	33	8.712	ZL2IFB
MULTI-ONE	DU1/JJ5GMJ	2010	34	76	25	1.900	

SSB

CAT	CALL	YEAR	QSO	POINTS	MULT.	SCORE	OPR.
SO AB HIGH	VK5GN	2001	210	246	80	19.680	
SO AB LOW	VK2APK	2001	205	255	80	20.400	
SO AB QRP	YB2OK	2003	36	36	20	720	
SA AB HIGH	VK4QH	2011	177	193	66	12.738	VK4QH
SA AB LOW	YC0OST	2014	78	78	31	2.418	YC0OST
SA AB QRP	YD3VRY	2017	3	9	3	27	YD3VRY
SA LB HIGH	YF3CYT	2019	6	18	5	90	YF3CYT
MULTI-ONE	YB3ZCD	2014	18	18	13	234	YB3BX YB3KK YC3FZ YD3BND N1IP

SAC Records - SOUTH AMERICA

CW

CAT	CALL	YEAR	QSO	POINTS	MULT.	SCORE	OPR.
SO AB HI	PY2ZXU	2011	494	792	153	121.176	SM0CXU
SO AB LO	PY4FQ	2011	247	325	104	33.800	PY4FQ
SO AB QRP	PY4ZO	2011	135	175	75	13.125	PY4ZO
SA AB HI	PY2ZEA	2011	578	970	156	151.320	OH2MM
SA AB LO	PY4XX	2014	180	228	104	23.712	PY4XX
SA LB HI	CX6VM	2016	47	139	39	5.421	CX6VM
MULTI-ONE	PT5T	2011	430	718	153	109.854	PP5EG PP5NZ

SSB

CAT	CALL	YEAR	QSO	POINTS	MULT.	SCORE	OPR.
SO AB HI	PY2ZEA	2012	360	508	133	67.564	OH2MM
SO AB LO	YV8AD	2011	171	317	74	23.458	YV8AD
SO AB QRP	PY4ZO	2011	24	24	18	432	PY4ZO
SA AB HI	PS2T	2018	214	340	102	34.680	
SA AB LO	PY5FO	2014	154	154	68	10.472	PY5FO
SA AB QRP	PU1MHZ	2014	17	17	13	221	PU1MHZ
SA LB HI	PY5DC	2016	10	30	8	240	PY5DC
MULTI-ONE	PS2T	2007	203	377	75	28.275	

DL8IH - Winner 1972



Here my Winner-Award 1972, 1st. in West-Germany - See the Points!!

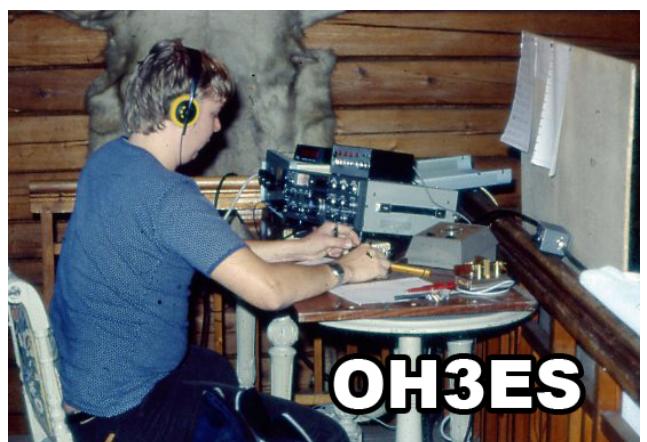
Now I am 86 years old and my CW is like music. In the 2019 contest I have 10.658 points and so I am in the last middle, hihi - 73 de Willi, DL8IH



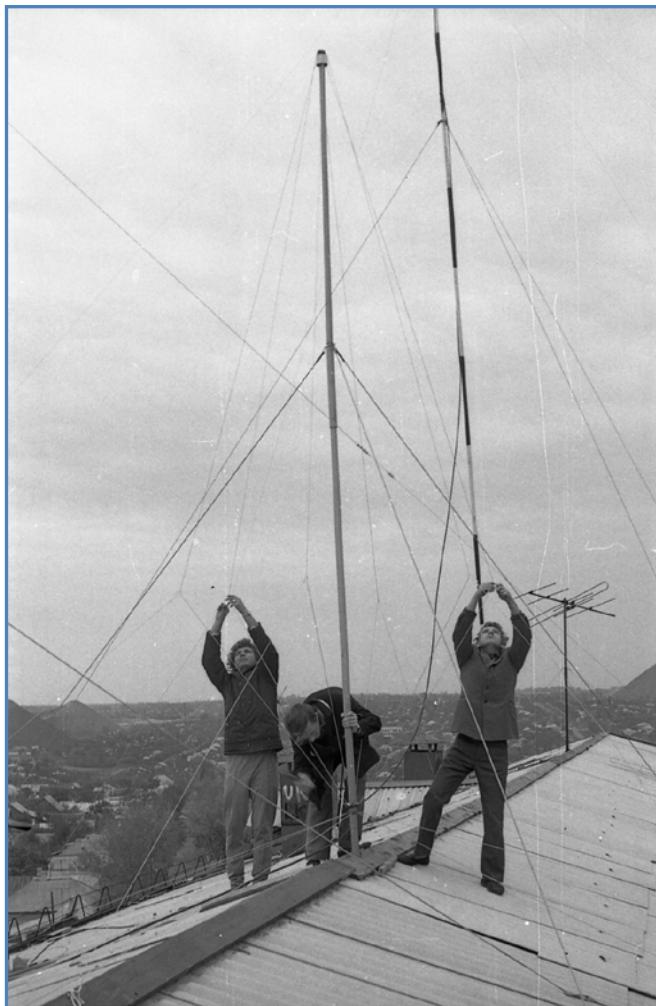
SAC CW 2019 DL2JRM @OZ7A

OH3NE 1978

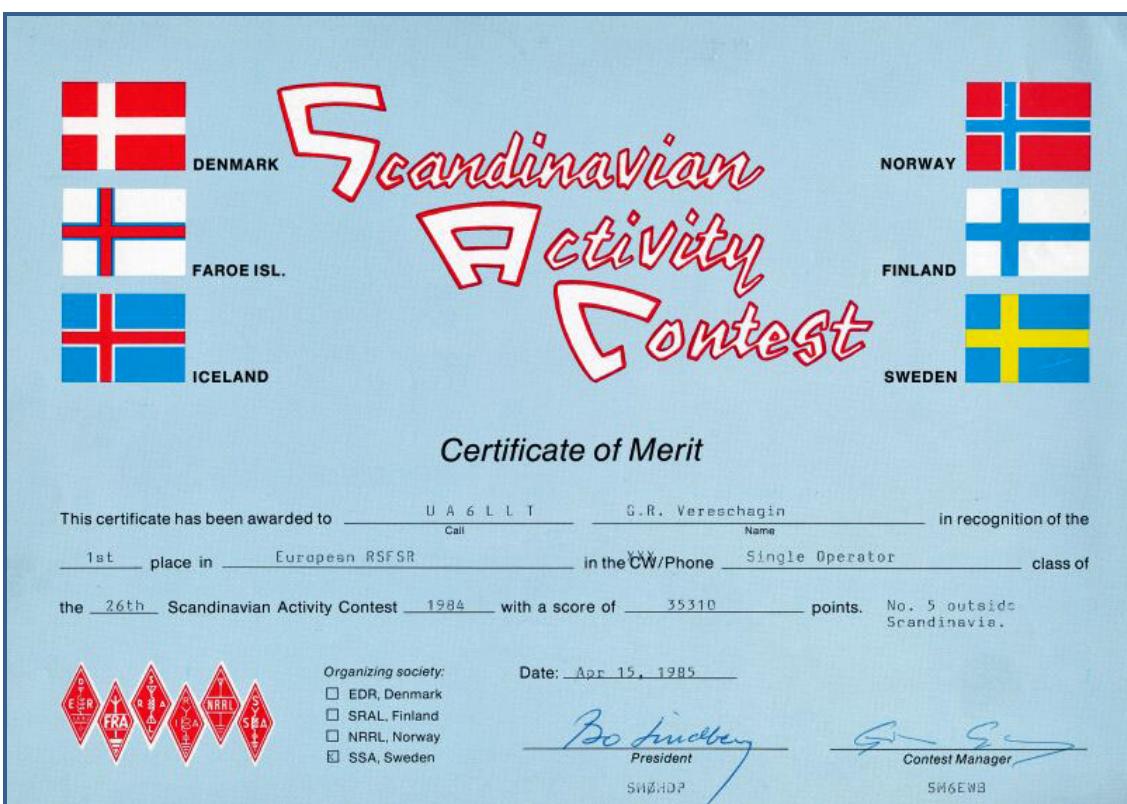
These are pictures from 1978-9 from OH3NE multi op. Link from OH3CV.
QTH Tampere Aitolahti, Jussi Winberg, OH3PB (sk).



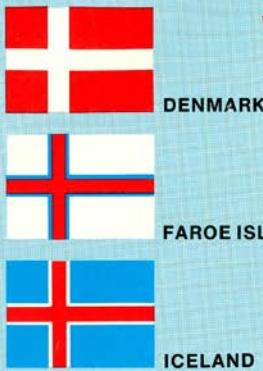
R7MC 1977



UK6LKP
UZ6LXT
UA6LLT
1977
1984
Pictures
received
from
R7MC



DL8AAE 1998



Scandinavian Activity Contest



Certificate of Merit

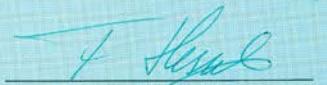
This certificate has been awarded to DL8AAE TOM KERK in recognition of the 1 place in GERMANY in the CW/Phone SO class of the 40th Scandinavian Activity Contest 1998 with a score of 21658 points.



Organizing society:
 EDR, Denmark
 SRAL, Finland
 NRRL, Norway
 SSA, Sweden

Date: _____


President
02.10.02


Contest Manager
028.IW

It was very nice to participate in the SAC at its 60th anniversary. I participate very often, first time in 1983, and sometimes get good results.

Since more stations from Germany participate its getting more difficult to win in DL but keeping approx. same ranking in Europe. The reason I see is that I am located more in the North of Germany and the "better" German stations are located more in the South. It is far easier for them to work Danmark and the South of Sweden for them.

But anyhow, I like this contest with its 24h hours operation only.

I attach certificates from the 40th SAC in 1998 and the 44th SAC in 2002. Maybe these are of interest for putting them into stories or the history section of the SAC site. If so, please feel free to use the certificates.

Vy 73, Tom, DL8AAE

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Results SAC CW 2019 SCANDINAVIA

#	CALL	YEAR	MOD	CLASS	BAND	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	OG2B	2019	CW	SO HI	ALL	NONE	2081	4.604	207	953.028	OH2GEK
2	OH0R	2019	CW	SO HI	ALL	NONE	2050	4.541	201	912.741	OH2PM
3	OH0Z	2019	CW	SO HI	ALL	NONE	1885	4.148	200	829.600	OH6EI
4	OH6MW	2019	CW	SO HI	ALL	NONE	1894	4.137	188	777.756	OH6MW
5	OH1Z	2019	CW	SO HI	ALL	NONE	1787	3.841	200	768.200	OH6UM
6	SM2U	2019	CW	SO HI	ALL	NONE	1495	3.300	170	561.000	SM0CXU
7	SM6M	2019	CW	SO HI	ALL	NONE	1476	3.213	168	539.784	
8	LA8OM	2019	CW	SO HI	ALL	NONE	1558	3.376	155	523.280	LA8OM
9	OZ1LO	2019	CW	SO HI	ALL	NONE	1397	3.079	155	477.245	OZ1LO
10	LA5UF	2019	CW	SO HI	ALL	NONE	1348	2.864	162	463.968	LA5UF
11	OH2XX	2019	CW	SO HI	ALL	NONE	1302	2.812	154	433.048	OH2XX
12	OH2MM	2019	CW	SO HI	ALL	NONE	1131	2.463	169	416.247	
13	SM0HRP	2019	CW	SO HI	ALL	NONE	1349	2.852	138	393.576	SM0HRP
14	SM3PZG	2019	CW	SO HI	ALL	NONE	1180	2.535	148	375.180	SM3PZG
15	SM6LJU	2019	CW	SO HI	ALL	NONE	1216	2.606	134	349.204	
16	OH1VR	2019	CW	SO HI	ALL	NONE	1082	2.385	135	321.975	OH1VR
17	SM0T	2019	CW	SO HI	ALL	NONE	1058	2.336	134	313.024	SM0T
18	OH7KBF	2019	CW	SO HI	ALL	NONE	1080	2.280	136	310.080	OH7KBF
19	OZ8SW	2019	CW	SO HI	ALL	NONE	1032	2.222	131	291.082	
20	OZ4UN	2019	CW	SO HI	ALL	WIRE	1080	2.306	124	285.944	OZ4UN
21	SM5COP	2019	CW	SO HI	ALL	NONE	1012	2.196	126	276.696	SM5COP
22	LA7AK	2019	CW	SO HI	ALL	TB-W	1019	2.101	126	264.726	LA7AK
23	OZ3SM	2019	CW	SO HI	ALL	TB-W	1004	2.141	121	259.061	OZ3SM
24	SM5GLC	2019	CW	SO HI	ALL	TB-W	907	1.953	128	249.984	SM5GLC
25	5Q2A	2019	CW	SO HI	ALL	WIRE	972	2.045	122	249.490	OZ2A
26	OH4BCS	2019	CW	SO HI	ALL	NONE	909	1.891	130	245.830	OH1ZAA
27	OH2BLV	2019	CW	SO HI	ALL	NONE	983	2.072	113	234.136	OH2BLV
28	OH4TQ	2019	CW	SO HI	ALL	NONE	953	2.034	111	225.774	OH4TQ
29	LA9OI	2019	CW	SO HI	ALL	TB-W	847	1.793	125	224.125	LA9OI
30	SM5CCE	2019	CW	SO HI	ALL	NONE	906	1.914	112	214.368	
31	SE5B	2019	CW	SO HI	ALL	WIRE	868	1.858	111	206.238	SM5CBN
32	OH5YU	2019	CW	SO HI	ALL	WIRE	833	1.738	113	196.394	OH5YU
33	SD1A	2019	CW	SO HI	ALL	WIRE	730	1.557	113	175.941	SM1TDE
34	SG0M	2019	CW	SO HI	ALL	TB-W	598	1.250	109	136.250	SA0AQ
35	SM0S	2019	CW	SO HI	ALL	NONE	678	1.430	94	134.420	SM5BAXS
36	SM2T	2019	CW	SO HI	ALL	NONE	563	1.187	105	124.635	SM2EZT
37	SD6M	2019	CW	SO HI	ALL	NONE	630	1.306	93	121.458	SA6BGR
38	OH1AJ	2019	CW	SO HI	ALL	NONE	541	1.178	99	116.622	OH1NDA
39	SM5FUG	2019	CW	SO HI	ALL	TB-W	573	1.213	96	116.448	SM5FUG

#	CALL	YEAR	MOD	CLASS	BAND	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
40	OG1N	2019	CW	SO HI	ALL	TB-W	532	1.180	94	110.920	OH2TA
41	SM2CEW	2019	CW	SO HI	ALL	NONE	426	970	78	75.660	SM2CEW
42	OJ0JR	2019	CW	SO HI	ALL	NONE	384	809	68	55.012	OH3JR
43	TF3Y	2019	CW	SO HI	ALL	NONE	395	894	54	48.276	TF3Y
44	SJ4F	2019	CW	SO HI	ALL	NONE	316	663	65	43.095	SJ4F
45	SM5V	2019	CW	SO HI	ALL	NONE	280	639	65	41.535	SM5ELV
46	SA0BXV	2019	CW	SO HI	ALL	TB-W	286	603	67	40.401	SA0BXV
47	OH5XO	2019	CW	SO HI	ALL	NONE	297	625	62	38.750	OH5XO
48	OH6DH	2019	CW	SO HI	ALL	TB-W	256	548	61	33.428	OH6DH
49	OH2BFG	2019	CW	SO HI	ALL	NONE	208	436	68	29.648	
50	OH2KA	2019	CW	SO HI	ALL	WIRE	113	250	47	11.750	OH2KA
51	OH1EB	2019	CW	SO HI	ALL	NONE	98	215	42	9.030	OH1EB
52	OH3PE	2019	CW	SO HI	ALL	NONE	100	208	40	8.320	
53	SF7U	2019	CW	SO HI	ALL	NONE	92	214	23	4.922	SM7SLU
54	SC0T	2019	CW	SO HI	ALL	NONE	65	144	28	4.032	
55	OH1LAR	2019	CW	SO HI	ALL	TB-W	22	45	16	720	OH1LAR
#	CALL	YEAR	MOD	CLASS	BAND	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	LA2AB	2019	CW	SO LO	ALL	NONE	1444	3.056	156	476.736	LA7MFA
2	LN8W	2019	CW	SO LO	ALL	NONE	1330	2.819	142	400.298	LA3BO
3	SM5IMO	2019	CW	SO LO	ALL	NONE	1274	2.681	127	340.487	SM5IMO
4	5Q6EE	2019	CW	SO LO	ALL	TB-W	1085	2.322	135	313.470	OZ2I
5	SD7W	2019	CW	SO LO	ALL	WIRE	1133	2.374	127	301.498	DL2SWW
6	SK4EA	2019	CW	SO LO	ALL	TB-W	1028	2.181	133	290.073	SM4EPR
7	OH8MBN	2019	CW	SO LO	ALL	TB-W	898	1.855	113	209.615	OH8MBN
8	LB4UH	2019	CW	SO LO	ALL	TB-W	849	1.777	114	202.578	LB4UH
9	LA2HFA	2019	CW	SO LO	ALL	TB-W	693	1.437	103	148.011	LA2HFA
10	SM6FPC	2019	CW	SO LO	ALL	NONE	685	1.457	96	139.872	
11	OZ7BQ	2019	CW	SO LO	ALL	NONE	634	1.341	100	134.100	OZ7BQ
12	OZ6SYL	2019	CW	SO LO	ALL	NONE	621	1.277	97	123.869	DL3KWR
13	OH2BSI	2019	CW	SO LO	ALL	TB-W	576	1.218	100	121.800	OH2BSI
14	SE0C	2019	CW	SO LO	ALL	WIRE	599	1.236	98	121.128	SM0CUH
15	LN7TTT	2019	CW	SO LO	ALL	NONE	568	1.192	97	115.624	LA5LJA
16	OH1LWZ	2019	CW	SO LO	ALL	NONE	586	1.220	88	107.360	
17	SM5ACQ	2019	CW	SO LO	ALL	NONE	535	1.142	91	103.922	SM5ACQ
18	SM6IQD	2019	CW	SO LO	ALL	NONE	484	1.027	95	97.565	SM6IQD
19	SM6Q	2019	CW	SO LO	ALL	NONE	572	1.195	81	96.795	SM6Q
20	SM7DUZ	2019	CW	SO LO	ALL	WIRE	511	1.059	90	95.310	SM7DUZ
21	OH6LW	2019	CW	SO LO	ALL	NONE	529	1.096	81	88.776	OH6LW
22	OG4X	2019	CW	SO LO	ALL	NONE	499	1.017	81	82.377	OH1MA
23	SM5DXR	2019	CW	SO LO	ALL	NONE	439	920	86	79.120	SM5DXR
24	OZ1AAR	2019	CW	SO LO	ALL	NONE	382	845	93	78.585	

#	CALL	YEAR	MOD	CLASS	BAND	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
25	OZ4O	2019	CW	SO LO	ALL	NONE	451	971	79	76.709	OZ4O
26	SF1Z	2019	CW	SO LO	ALL	TB-W	454	937	81	75.897	SM0HEV
27	SM7CIL	2019	CW	SO LO	ALL	TB-W	486	1.051	71	74.621	SM7CIL
28	SI6T	2019	CW	SO LO	ALL	WIRE	450	961	76	73.036	SM6LZQ
29	OH3NAQ	2019	CW	SO LO	ALL	WIRE	408	859	83	71.297	
30	SM6NT	2019	CW	SO LO	ALL	NONE	412	878	74	64.972	SM6NT
31	OH6AC	2019	CW	SO LO	ALL	NONE	411	858	72	61.776	OH6CS
32	SK5AA	2019	CW	SO LO	ALL	NONE	342	703	78	54.834	SM5KRI
33	SE7Q	2019	CW	SO LO	ALL	NONE	328	717	73	52.341	SM7HVQ
34	SM7RYR	2019	CW	SO LO	ALL	NONE	383	807	64	51.648	
35	SM6TOL	2019	CW	SO LO	ALL	NONE	381	828	62	51.336	SM6TOL
36	OG9R	2019	CW	SO LO	ALL	TB-W	300	628	76	47.728	OH7QR
37	SC3N	2019	CW	SO LO	ALL	TB-W	336	713	58	41.354	EA8CN
38	OZ4FF	2019	CW	SO LO	ALL	NONE	216	452	71	32.092	
39	SM0Y	2019	CW	SO LO	ALL	WIRE	217	449	71	31.879	SM0Y
40	OZ5KU	2019	CW	SO LO	ALL	WIRE	208	432	62	26.784	OZ5KU
41	OZ/DL3KWF	2019	CW	SO LO	ALL	NONE	215	443	54	23.922	DL3KWF
42	OH2HZ	2019	CW	SO LO	ALL	TB-W	174	366	64	23.424	OH2HZ
43	SM7ZDI	2019	CW	SO LO	ALL	NONE	220	444	50	22.200	
44	OH3KQ	2019	CW	SO LO	ALL	TB-W	174	359	59	21.181	OH3KQ
45	OZ5RM	2019	CW	SO LO	ALL	NONE	146	319	44	14.036	OZ5RM
46	SM6OEF	2019	CW	SO LO	ALL	NONE	202	411	34	13.974	SM6OEF
47	LA2XNA	2019	CW	SO LO	ALL	NONE	115	242	48	11.616	LA2XNA
48	LC4C	2019	CW	SO LO	ALL	NONE	109	222	44	9.768	LA5FBA
49	OH7JR	2019	CW	SO LO	ALL	NONE	116	248	38	9.424	
50	OZ3TQ	2019	CW	SO LO	ALL	WIRE	135	270	34	9.180	OZ3TQ
51	OZ0MF	2019	CW	SO LO	ALL	NONE	92	199	40	7.960	DF5LW
52	SM7ATL	2019	CW	SO LO	ALL	NONE	94	196	37	7.252	
53	LA7SI	2019	CW	SO LO	ALL	NONE	86	185	32	5.920	LA7SI
54	SM5LW	2019	CW	SO LO	ALL	NONE	55	128	32	4.096	SM5LW
55	OZ2U	2019	CW	SO LO	ALL	NONE	68	145	26	3.770	
56	OH1TS	2019	CW	SO LO	ALL	NONE	59	129	29	3.741	
57	SE6K	2019	CW	SO LO	ALL	NONE	60	131	27	3.537	SM6FZO
58	OZ2OS	2019	CW	SO LO	ALL	NONE	45	98	27	2.646	
59	OG3A	2019	CW	SO LO	ALL	NONE	38	84	26	2.184	OG3A
60	SM3XAX	2019	CW	SO LO	ALL	NONE	41	86	25	2.150	
61	TF3DC	2019	CW	SO LO	ALL	NONE	35	78	25	1.950	
62	OZ5UR	2019	CW	SO LO	ALL	NONE	36	78	24	1.872	OZ5UR
63	OH2LIR	2019	CW	SO LO	ALL	NONE	42	89	20	1.780	
64	OH3LS	2019	CW	SO LO	ALL	NONE	52	106	13	1.378	
65	OH5MQ	2019	CW	SO LO	ALL	NONE	35	79	16	1.264	OH5MQ

#	CALL	YEAR	MOD	CLASS	BAND	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
66	LA6DW	2019	CW	SO LO	ALL	NONE	32	70	17	1.190	LA6DW
67	SM5MX	2019	CW	SO LO	ALL	WIRE	24	52	16	832	
68	SM6GBM	2019	CW	SO LO	ALL	NONE	19	38	14	532	SM6GBM
69	5Q5R	2019	CW	SO LO	ALL	WIRE	13	30	10	300	5Q5R
70	OH1KH	2019	CW	SO LO	ALL	NONE	10	24	8	192	OH1KH
71	OH2MGA	2019	CW	SO LO	ALL	NONE	3	7	3	21	OH2MGA
#	CALL	YEAR	MOD	CLASS	BAND	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	OH0V	2019	CW	SO QRP	ALL	NONE	586	1.241	97	120.377	OH6LI
2	OH2LU	2019	CW	SO QRP	ALL	TB-W	257	541	71	38.411	OH2LU
3	OH3EY	2019	CW	SO QRP	ALL	NONE	118	248	44	10.912	OH3EY
4	OH8TX	2019	CW	SO QRP	ALL	NONE	48	104	21	2.184	OH8TX
#	CALL	YEAR	MOD	CLASS	BAND	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	OH1TX	2019	CW	SA HI	ALL	NONE	1553	3.432	174	597.168	OH1JD
2	OG6N	2019	CW	SA HI	ALL	NONE	1544	3.285	179	588.015	OH6NIO
3	LB8DC	2019	CW	SA HI	ALL	TB-W	1659	3.534	158	558.372	LB8DC
4	OH5TS	2019	CW	SA HI	ALL	NONE	1428	3.108	171	531.468	OH5TS
5	SE0X	2019	CW	SA HI	ALL	NONE	1407	3.035	162	491.670	SM0MDG
6	OH2NP	2019	CW	SA HI	ALL	NONE	1306	2.792	163	455.096	OG55W
7	OH3OJ	2019	CW	SA HI	ALL	NONE	1361	2.843	138	392.334	OH3OJ
8	OH3Z	2019	CW	SA HI	ALL	NONE	1068	2.373	152	360.696	OH1NX
9	OG4A	2019	CW	SA HI	ALL	TB-W	1189	2.539	136	345.304	OH2BAI
10	OH1XT	2019	CW	SA HI	ALL	NONE	1139	2.463	140	344.820	
11	OV3X	2019	CW	SA HI	ALL	NONE	1134	2.433	139	338.187	OZ8AE
12	LA0CX	2019	CW	SA HI	ALL	NONE	1062	2.306	137	315.922	LA0CX
13	OH3FM	2019	CW	SA HI	ALL	NONE	1010	2.112	121	255.552	OH3FM
14	OH6BA	2019	CW	SA HI	ALL	WIRE	705	1.500	115	172.500	OH6BA
15	SJ3A	2019	CW	SA HI	ALL	NONE	715	1.493	103	153.779	SM3OMO
16	SM0FPR	2019	CW	SA HI	ALL	WIRE	659	1.384	103	142.552	SM0FPR
17	LN5O	2019	CW	SA HI	ALL	WIRE	731	1.489	87	129.543	LB3RE
18	SK5LW	2019	CW	SA HI	ALL	TB-W	617	1.320	95	125.400	SM5PBT
19	OH7MFO	2019	CW	SA HI	ALL	NONE	602	1.259	95	119.605	OH7MFO
20	OZ2TF	2019	CW	SA HI	ALL	NONE	513	1.151	103	118.553	OZ2TF
21	OH6CT	2019	CW	SA HI	ALL	NONE	510	1.115	105	117.075	OH6CT
22	OH8WR	2019	CW	SA HI	ALL	NONE	609	1.330	88	117.040	OH8WR
23	OH8CW	2019	CW	SA HI	ALL	WIRE	612	1.274	90	114.660	OH8CW
24	OH6RE	2019	CW	SA HI	ALL	NONE	503	1.048	84	88.032	OH6RE
25	OU4N	2019	CW	SA HI	ALL	NONE	387	861	77	66.297	OZ4KG/OU4N
26	OZ3MC	2019	CW	SA HI	ALL	NONE	342	736	73	53.728	OZ3MC
27	OH5KW	2019	CW	SA HI	ALL	NONE	297	613	76	46.588	OH5KW
28	LB6KC	2019	CW	SA HI	ALL	NONE	245	571	30	17.130	LB6KC
29	OH7HM	2019	CW	SA HI	ALL	NONE	179	376	44	16.544	OH7HM

#	CALL	YEAR	MOD	CLASS	BAND	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
30	SF1U	2019	CW	SA HI	ALL	NONE	92	203	43	8.729	SM1NJC
31	SM0N	2019	CW	SA HI	ALL	TB-W	80	175	35	6.125	SM0JCA
32	OZ8AGB	2019	CW	SA HI	ALL	WIRE	39	90	24	2.160	OZ8AGB
33	SM5J	2019	CW	SA HI	ALL	NONE	10	23	10	230	SM5PHU
#	CALL	YEAR	MOD	CLASS	BAND	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	SE5E	2019	CW	SA LO	ALL	NONE	1332	2.807	151	423.857	SM5AJV
2	OH2CV	2019	CW	SA LO	ALL	NONE	1160	2.454	138	338.652	OH2CV
3	SE4E	2019	CW	SA LO	ALL	WIRE	980	2.054	118	242.372	SM4DQE
4	SF5O	2019	CW	SA LO	ALL	WIRE	918	1.908	123	234.684	SM0EOS
5	OZ0B	2019	CW	SA LO	ALL	TB-W	867	1.844	127	234.188	OZ1ISY
6	SA6G	2019	CW	SA LO	ALL	TB-W	860	1.876	123	230.748	SM6CUK
7	OG3G	2019	CW	SA LO	ALL	NONE	735	1.573	114	179.322	OG3G
8	OZ0J	2019	CW	SA LO	ALL	TB-W	668	1.418	112	158.816	OZ0J
9	OZ4CG	2019	CW	SA LO	ALL	NONE	737	1.519	92	139.748	OZ4CG
10	SM5EFX	2019	CW	SA LO	ALL	NONE	591	1.234	102	125.868	SM5EFX
11	OZ1IVA	2019	CW	SA LO	ALL	NONE	526	1.113	97	107.961	OZ1IVA
12	OH3RF	2019	CW	SA LO	ALL	NONE	424	893	90	80.370	OH3RF
13	SM6EAT	2019	CW	SA LO	ALL	TB-W	439	927	83	76.941	SM6EAT
14	SM2BJS	2019	CW	SA LO	ALL	NONE	369	764	76	58.064	SM2BJS
15	SE5L	2019	CW	SA LO	ALL	NONE	309	655	72	47.160	SM5ALJ
16	OZ1OM	2019	CW	SA LO	ALL	NONE	245	529	49	25.921	OZ1OM
17	SE6N	2019	CW	SA LO	ALL	NONE	201	422	52	21.944	SA6AXR
18	OH8KA	2019	CW	SA LO	ALL	TB-W	177	373	47	17.531	OH8KA
19	OU2PA	2019	CW	SA LO	ALL	NONE	127	271	37	10.027	PA2A
20	SF5M	2019	CW	SA LO	ALL	WIRE	85	172	33	5.676	SM5SYO
21	OH6DX	2019	CW	SA LO	ALL	TB-W	48	102	15	1.530	OH6DX
22	OH3R	2019	CW	SA LO	ALL	NONE	16	36	11	396	OH3CK
23	OH6LNI	2019	CW	SA LO	ALL	TB-W	7	14	2	28	OH6DX
#	CALL	YEAR	MOD	CLASS	BAND	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	SF0A	2019	CW	SA QRP	ALL	NONE	653	1.358	91	123.578	SM0LPO
2	SD6F	2019	CW	SA QRP	ALL	WIRE	383	791	76	60.116	SM6JWR
3	OG3X	2019	CW	SA QRP	ALL	NONE	312	665	84	55.860	OH3KRH
4	TF3EO	2019	CW	SA QRP	ALL	TB-W	12	27	7	189	TF3EO
#	CALL	YEAR	MODE	CLASS	BAND	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	LB8DC	2019	CW	SA HI	ALL	TB-W	1659	3.534	158	558.372	LB8DC
2	OG4A	2019	CW	SA HI	ALL	TB-W	1189	2.539	136	345.304	OH2BAI
3	LA7AK	2019	CW	SO HI	ALL	TB-W	1019	2.101	126	264.726	LA7AK
4	OZ3SM	2019	CW	SO HI	ALL	TB-W	1004	2.141	121	259.061	OZ3SM
5	SM5GLC	2019	CW	SO HI	ALL	TB-W	907	1.953	128	249.984	SM5GLC
6	LA9OI	2019	CW	SO HI	ALL	TB-W	847	1.793	125	224.125	LA9OI
7	SG0M	2019	CW	SO HI	ALL	TB-W	598	1.250	109	136.250	SA0AQ

#	CALL	YEAR	MOD	CLASS	BAND	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
8	SK5LW	2019	CW	SA HI	ALL	TB-W	617	1.320	95	125.400	SM5PBT
9	SM5FUG	2019	CW	SO HI	ALL	TB-W	573	1.213	96	116.448	SM5FUG
10	OG1N	2019	CW	SO HI	ALL	TB-W	532	1.180	94	110.920	OH2TA
11	SA0BXV	2019	CW	SO HI	ALL	TB-W	286	603	67	40.401	SA0BXV
12	OH6DH	2019	CW	SO HI	ALL	TB-W	256	548	61	33.428	OH6DH
13	SM0N	2019	CW	SA HI	ALL	TB-W	80	175	35	6.125	SM0JCA
14	OH1LAR	2019	CW	SO HI	ALL	TB-W	22	45	16	720	OH1LAR
#	CALL	YEAR	MOD	CLASS	BAND	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	OZ4UN	2019	CW	SO HI	ALL	WIRE	1080	2.306	124	285.944	OZ4UN
2	5Q2A	2019	CW	SO HI	ALL	WIRE	972	2.045	122	249.490	OZ2A
3	SE5B	2019	CW	SO HI	ALL	WIRE	868	1.858	111	206.238	SM5CBN
4	OH5YU	2019	CW	SO HI	ALL	WIRE	833	1.738	113	196.394	OH5YU
5	SD1A	2019	CW	SO HI	ALL	WIRE	730	1.557	113	175.941	SM1TDE
6	OH6BA	2019	CW	SA HI	ALL	WIRE	705	1.500	115	172.500	OH6BA
7	SM0FPR	2019	CW	SA HI	ALL	WIRE	659	1.384	103	142.552	SM0FPR
8	LN5O	2019	CW	SA HI	ALL	WIRE	731	1.489	87	129.543	LB3RE
9	OH8CW	2019	CW	SA HI	ALL	WIRE	612	1.274	90	114.660	OH8CW
10	OH2KA	2019	CW	SO HI	ALL	WIRE	113	250	47	11.750	OH2KA
11	OZ8AGB	2019	CW	SA HI	ALL	WIRE	39	90	24	2.160	OZ8AGB
#	CALL	YEAR	MOD	CLASS	BAND	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	5Q6EE	2019	CW	SO LO	ALL	TB-W	1085	2.322	135	313.470	OZ2I
2	SK4EA	2019	CW	SO LO	ALL	TB-W	1028	2.181	133	290.073	SM4EPR
3	OZ0B	2019	CW	SA LO	ALL	TB-W	867	1.844	127	234.188	OZ1ISY
4	SA6G	2019	CW	SA LO	ALL	TB-W	860	1.876	123	230.748	SM6CUK
5	OH8MBN	2019	CW	SO LO	ALL	TB-W	898	1.855	113	209.615	OH8MBN
6	LB4UH	2019	CW	SO LO	ALL	TB-W	849	1.777	114	202.578	LB4UH
7	OZ0J	2019	CW	SA LO	ALL	TB-W	668	1.418	112	158.816	OZ0J
8	LA2HFA	2019	CW	SO LO	ALL	TB-W	693	1.437	103	148.011	LA2HFA
9	OH2BSI	2019	CW	SO LO	ALL	TB-W	576	1.218	100	121.800	OH2BSI
10	SM6EAT	2019	CW	SA LO	ALL	TB-W	439	927	83	76.941	SM6EAT
11	SF1Z	2019	CW	SO LO	ALL	TB-W	454	937	81	75.897	SM0HEV
12	SM7CIL	2019	CW	SO LO	ALL	TB-W	486	1.051	71	74.621	SM7CIL
13	OG9R	2019	CW	SO LO	ALL	TB-W	300	628	76	47.728	OH7QR
14	SC3N	2019	CW	SO LO	ALL	TB-W	336	713	58	41.354	EA8CN
15	OH2LU	2019	CW	SO QRP	ALL	TB-W	257	541	71	38.411	OH2LU
16	OH2HZ	2019	CW	SO LO	ALL	TB-W	174	366	64	23.424	OH2HZ
17	OH3KQ	2019	CW	SO LO	ALL	TB-W	174	359	59	21.181	OH3KQ
18	OH8KA	2019	CW	SA LO	ALL	TB-W	177	373	47	17.531	OH8KA
19	OH6DX	2019	CW	SA LO	ALL	TB-W	48	102	15	1.530	OH6DX
20	TF3EO	2019	CW	SA QRP	ALL	TB-W	12	27	7	189	TF3EO
21	OH6LNI	2019	CW	SA LO	ALL	TB-W	7	14	2	28	OH6DX

#	CALL	YEAR	MOD	CLASS	BAND	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
#	CALL	YEAR	MOD	CLASS	BAND	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	SD7W	2019	CW	SO LO	ALL	WIRE	1133	2.374	127	301.498	DL2SWW
2	SE4E	2019	CW	SA LO	ALL	WIRE	980	2.054	118	242.372	SM4DQE
3	SF5O	2019	CW	SA LO	ALL	WIRE	918	1.908	123	234.684	SM0EOS
4	SE0C	2019	CW	SO LO	ALL	WIRE	599	1.236	98	121.128	SM0CUH
5	SM7DUZ	2019	CW	SO LO	ALL	WIRE	511	1.059	90	95.310	SM7DUZ
6	SI6T	2019	CW	SO LO	ALL	WIRE	450	961	76	73.036	SM6LZQ
7	OH3NAQ	2019	CW	SO LO	ALL	WIRE	408	859	83	71.297	
8	SD6F	2019	CW	SA QRP	ALL	WIRE	383	791	76	60.116	SM6JWR
9	SM0Y	2019	CW	SO LO	ALL	WIRE	217	449	71	31.879	SM0OY
10	OZ5KU	2019	CW	SO LO	ALL	WIRE	208	432	62	26.784	OZ5KU
11	OZ3TQ	2019	CW	SO LO	ALL	WIRE	135	270	34	9.180	OZ3TQ
12	SF5M	2019	CW	SA LO	ALL	WIRE	85	172	33	5.676	SM5SYO
13	SM5MX	2019	CW	SO LO	ALL	WIRE	24	52	16	832	
14	5Q5R	2019	CW	SO LO	ALL	WIRE	13	30	10	300	5Q5R
#	CALL	YEAR	MOD	CLASS	BAND	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	OH4X	2019	CW	SO	80M	NONE	534	1.106	45	49.770	OH5BM
2	OH3RB	2019	CW	SO	80M	NONE	489	1.001	40	40.040	OH3RB
3	OH8WW	2019	CW	SO	80M	NONE	464	953	41	39.073	OH8WW
4	OG9W	2019	CW	SO	80M	NONE	430	885	38	33.630	OH2BCI
5	OH2YL	2019	CW	SO	80M	NONE	412	843	34	28.662	OH2YL
6	LC5T	2019	CW	SO	80M	NONE	296	600	33	19.800	LB5WB
7	SF6W	2019	CW	SO	80M	NONE	276	557	29	16.153	SM6EWB
8	SM7M/6	2019	CW	SO	80M	NONE	176	360	25	9.000	SM7BUA
9	7S1DX	2019	CW	SO	80M	NONE	150	309	29	8.961	SM0DSG
10	LA3RK	2019	CW	SO	80M	NONE	116	235	23	5.405	
11	OZ7HB	2019	CW	SO	80M	NONE	121	243	22	5.346	
12	OH3AR	2019	CW	SO	80M	NONE	101	205	20	4.100	
13	SM0HEK	2019	CW	SO	80M	NONE	83	167	14	2.338	
14	OH2EA	2019	CW	SO	80M	NONE	67	139	15	2.085	OH2EA
15	SM6USS	2019	CW	SO	80M	NONE	10	20	7	140	SM6USS
#	CALL	YEAR	MOD	CLASS	BAND	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	OH7K	2019	CW	SO	40M	NONE	1034	2.251	60	135.060	OH2KW
2	OH5Z	2019	CW	SO	40M	NONE	924	1.994	56	111.664	OH5CZ
3	LB6GG	2019	CW	SO	40M	NONE	700	1.453	43	62.479	LB6GG
4	LA6VM	2019	CW	SO	40M	NONE	401	816	37	30.192	LA6VM
5	OH2YV	2019	CW	SO	40M	NONE	306	633	38	24.054	OH2YV
6	OH6XY	2019	CW	SO	40M	NONE	290	598	36	21.528	OH6XY
7	OH8UV	2019	CW	SO	40M	NONE	303	616	33	20.328	
8	OH5UQ	2019	CW	SO	40M	NONE	272	556	35	19.460	OH5UQ
9	OU2W	2019	CW	SO	40M	NONE	155	314	30	9.420	OU2W

#	CALL	YEAR	MOD	CLASS	BAND	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
10	OH8TU	2019	CW	SO	40M	NONE	139	282	27	7.614	OH8TU
11	OH5C	2019	CW	SO	40M	NONE	150	310	24	7.440	OH5CW
12	OH1OR	2019	CW	SO	40M	NONE	9	18	5	90	
#	CALL	YEAR	MOD	CLASS	BAND	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	OH7X	2019	CW	SO	20M	NONE	1151	2.739	68	186.252	OH7CW
2	OH8L	2019	CW	SO	20M	NONE	1051	2.552	69	176.088	OH8LQ
3	SM5X	2019	CW	SO	20M	NONE	738	1.724	56	96.544	SM5GMZ
4	OH9W	2019	CW	SO	20M	NONE	757	1.724	53	91.372	OH5BQ
5	OY1CT	2019	CW	SO	20M	NONE	637	1.342	50	67.100	OY1CT
6	OH6TN	2019	CW	SO	20M	NONE	560	1.244	51	63.444	OH6TN
7	LA8HGA	2019	CW	SO	20M	NONE	397	886	38	33.668	LA8HGA
8	OH2BKX	2019	CW	SO	20M	NONE	310	759	37	28.083	OH2BKX
9	OH7JL	2019	CW	SO	20M	NONE	290	642	37	23.754	OH7JL
10	OH6NC	2019	CW	SO	20M	NONE	211	486	34	16.524	OH6NVC
11	OH3NU	2019	CW	SO	20M	NONE	121	283	34	9.622	OH3NU
12	SM2CVH	2019	CW	SO	20M	NONE	123	263	29	7.627	SM2CVH
13	OH2VZ	2019	CW	SO	20M	NONE	119	248	27	6.696	OH2VZ
14	OH5CW	2019	CW	SO	20M	NONE	110	247	27	6.669	OH5CW
15	LA7NFA	2019	CW	SO	20M	NONE	95	221	29	6.409	LA7NFA
16	OH2BN	2019	CW	SO	20M	NONE	90	211	28	5.908	OH2BN
17	OH2LNH	2019	CW	SO	20M	NONE	96	203	26	5.278	OH2LNH
18	OG5N	2019	CW	SO	20M	NONE	99	207	24	4.968	OG5N
19	SM5Z	2019	CW	SO	20M	NONE	78	186	24	4.464	SM5BFJ
20	OZ5DX	2019	CW	SO	20M	NONE	72	154	20	3.080	OZ5DX
21	SM0J	2019	CW	SO	20M	NONE	44	100	16	1.600	
22	SM6DHU	2019	CW	SO	20M	NONE	54	123	13	1.599	SM6DHU
23	OH2MAS	2019	CW	SO	20M	NONE	43	98	16	1.568	OH2MAS
24	OH3KD	2019	CW	SO	20M	NONE	32	70	14	980	
25	OH2BBM	2019	CW	SO	20M	NONE	9	20	6	120	OH2BBM
26	SM6BWQ	2019	CW	SO	20M	NONE	6	13	5	65	SM6BWQ
27	OH5SW	2019	CW	SO	20M	NONE	8	16	4	64	OH5SW
#	CALL	YEAR	MOD	CLASS	BAND	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	SM2A	2019	CW	SO	15M	NONE	183	374	31	11.594	SM2ILF
2	OH1MA	2019	CW	SO	15M	NONE	138	288	26	7.488	
3	OH2MZA	2019	CW	SO	15M	NONE	76	155	20	3.100	OH1ZAA
4	SM3CZS	2019	CW	SO	15M	NONE	92	188	16	3.008	
5	OH8A	2019	CW	SO	15M	NONE	66	133	18	2.394	OH8WW
6	SM6BFE	2019	CW	SO	15M	NONE	6	12	6	72	
#	CALL	YEAR	MOD	CLASS	BAND	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	OH3BCX	2019	CW	SO	10M	NONE	15	31	4	124	OH1ZAA
#	CALL	YEAR	MOD	CLASS	BAND	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR

#	CALL	YEAR	MOD	CLASS	BAND	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	OG7F	2019	CW	M-1	ALL	NONE	1923	4.258	213	906.954	OH5DA RW1A RV1AW RT1M RN1A
2	OZ7A	2019	CW	M-1	ALL	NONE	1540	3.347	179	599.113	DL2JRM DL5SE OZ1IKY
3	OH2BAH	2019	CW	M-1	ALL	NONE	1496	3.270	165	539.550	OH2BAH OH2PQ OH2BMN
4	SI9AM	2019	CW	M-1	ALL	NONE	1534	3.293	154	507.122	SM3EAE, SM3FJF, SM5SIC
5	SC3A	2019	CW	M-1	ALL	NONE	1444	3.148	155	487.940	SM3WMU SM3RAB
6	SK0QO	2019	CW	M-1	ALL	NONE	1187	2.554	159	406.086	SM0DSG SM0NUE SM0DSF SM5OUU SM0FDO
7	SD6O	2019	CW	M-1	ALL	NONE	1271	2.699	136	367.064	DJ2XY SA6DXG
8	SM5DXT	2019	CW	M-1	ALL	NONE	1135	2.413	152	366.776	SM5DXT SM5GMG
9	OG70AD	2019	CW	M-1	ALL	NONE	1038	2.222	135	299.970	OH7MRU OH8MSG
10	SK4AO	2019	CW	M-1	ALL	NONE	707	1.502	131	196.762	SM4EDK SM4HFI
11	SK50HD	2019	CW	M-1	ALL	NONE	853	1.796	104	186.784	SA6AQP SM6FKF
#	CALL	YEAR	MOD	CLASS	BAND	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	OH1F	2019	CW	M-M	ALL	NONE	2772	6.097	230	1.402.310	OH1HS OH1MM OH1NOA OH1RX OH1TM
2	SK3W	2019	CW	M-M	ALL	NONE	2750	6.092	222	1.352.424	SA0LAT SM0WKA SM0OEK SM5CCT SM5EPO SM3GP
3	SC7DX	2019	CW	M-M	ALL	NONE	1477	3.219	165	531.135	SM7GIB SM7IUN

Checklogs: LA8CJ, LC1U, OH2G, OH4XX

Results SAC CW 2019 AFRICA

#	CALL	YEAR	MODE	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	ZS9Z	2019	CW	SO	ALL	HIGH	NONE	5	9	5	45	ZS1OIN
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	EA8/DL2TM	2019	CW	SO	ALL	QRP	NONE	31	31	18	558	
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	EA8DIG	2019	CW	SA	ALL	HIGH	NONE	133	253	77	19.481	EA8DIG
2	EA8DHV	2019	CW	SA	ALL	HIGH	NONE	11	11	11	121	EA8DHV

Results SAC CW 2019 ASIA

#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINT	MULT.	SCORE	OPERATOR
1	R8WF	2019	CW	SO	ALL	HIGH	NONE	453	865	131	113.315	
2	JT5DX	2019	CW	SO	ALL	HIGH	NONE	249	441	93	41.013	JT1CO
3	UN9GD	2019	CW	SO	ALL	HIGH	NONE	208	280	75	21.000	
4	R9OK	2019	CW	SO	ALL	HIGH	NONE	144	244	67	16.348	R9OK
5	RX9CM	2019	CW	SO	ALL	HIGH	NONE	157	217	54	11.718	RX9CM
6	RA9AAA	2019	CW	SO	ALL	HIGH	NONE	109	191	55	10.505	RA9AAA

#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINT	MULT.	SCORE	OPERATOR
7	JA7ACM	2019	CW	SO	ALL	HIGH	NONE	63	103	35	3.605	JA7ACM
8	UN7FW	2019	CW	SO	ALL	HIGH	NONE	60	60	26	1.560	
9	HS0ZDY	2019	CW	SO	ALL	HIGH	NONE	47	47	26	1.222	HS0ZDY
10	JA6BWH	2019	CW	SO	ALL	HIGH	NONE	35	57	21	1.197	
11	JH0ILL	2019	CW	SO	ALL	HIGH	NONE	32	34	17	578	
12	JK1HIY	2019	CW	SO	ALL	HIGH	NONE	10	30	8	240	
13	JA3DAY	2019	CW	SO	ALL	HIGH	NONE	19	19	11	209	JA3DAY
14	JR2PMT	2019	CW	SO	ALL	HIGH	NONE	13	15	10	150	
15	JG1LHB	2019	CW	SO	ALL	HIGH	NONE	12	12	8	96	JG1LHB
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O-LAY	QSO	POINT	MULT.	SCORE	OPERATOR
1	RX9AF	2019	CW	SO	ALL	LOW	NONE	324	612	103	63.036	RX9AF
2	UA9XF	2019	CW	SO	ALL	LOW	NONE	245	441	95	41.895	UA9XF
3	UN6LN	2019	CW	SO	ALL	LOW	NONE	278	436	84	36.624	
4	RM8G	2019	CW	SO	ALL	LOW	NONE	232	378	81	30.618	
5	RL9L	2019	CW	SO	ALL	LOW	NONE	186	276	63	17.388	
6	R9XS	2019	CW	SO	ALL	LOW	NONE	158	232	63	14.616	
7	TA3/HB90FIH	2019	CW	SO	ALL	LOW	NONE	138	238	58	13.804	HB9FIH
8	UN7CN	2019	CW	SO	ALL	LOW	NONE	136	224	59	13.216	UN7CN
9	4Z5LU	2019	CW	SO	ALL	LOW	NONE	124	168	65	10.920	4Z5LU
10	RW0AJ	2019	CW	SO	ALL	LOW	NONE	126	156	58	9.048	RW0AJ
11	UA9SMU	2019	CW	SO	ALL	LOW	NONE	86	258	31	7.998	UA9SMU
12	TA7I	2019	CW	SO	ALL	LOW	NONE	82	142	56	7.952	TA7I
13	R8WO	2019	CW	SO	ALL	LOW	NONE	106	180	44	7.920	R8WO
14	UN7ID	2019	CW	SO	ALL	LOW	NONE	105	169	46	7.774	UN7ID
15	UN0C	2019	CW	SO	ALL	LOW	NONE	57	87	51	4.437	UN0C
16	RA0AY	2019	CW	SO	ALL	LOW	NONE	111	111	37	4.107	RA0AY
17	RN9RF	2019	CW	SO	ALL	LOW	NONE	100	100	29	2.900	
18	UN7LDR	2019	CW	SO	ALL	LOW	NONE	60	106	27	2.862	
19	R9QQ	2019	CW	SO	ALL	LOW	NONE	65	79	35	2.765	
20	UN6G	2019	CW	SO	ALL	LOW	NONE	58	70	35	2.450	
21	RW0UM	2019	CW	SO	ALL	LOW	NONE	70	84	29	2.436	RW0UM
22	TA2BS	2019	CW	SO	ALL	LOW	NONE	71	75	31	2.325	
23	E20WUE	2019	CW	SO	ALL	LOW	NONE	50	68	29	1.972	E20WUE
24	R9OO	2019	CW	SO	ALL	LOW	NONE	51	55	29	1.595	
25	RW9MZ	2019	CW	SO	ALL	LOW	NONE	52	52	25	1.300	
26	JM1MTE	2019	CW	SO	ALL	LOW	NONE	43	51	25	1.275	
27	4K9W	2019	CW	SO	ALL	LOW	NONE	34	34	24	816	
28	JI7VNJ	2019	CW	SO	ALL	LOW	NONE	30	44	18	792	
29	TA3AER	2019	CW	SO	ALL	LOW	NONE	34	34	20	680	TA3AER
30	BU2EO	2019	CW	SO	ALL	LOW	NONE	21	37	15	555	BU2EO
31	JH3WKE	2019	CW	SO	ALL	LOW	NONE	31	31	17	527	

#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINT	MULT.	SCORE	OPERATOR
32	JG2RFJ	2019	CW	SO	ALL	LOW	NONE	26	32	15	480	
33	JH2XQY	2019	CW	SO	ALL	LOW	NONE	21	27	14	378	
34	JA0BJY	2019	CW	SO	ALL	LOW	NONE	25	25	14	350	
35	JA2KKA	2019	CW	SO	ALL	LOW	NONE	15	27	12	324	
36	JA2GHP	2019	CW	SO	ALL	LOW	NONE	19	19	10	190	JA2GHP
37	UA0CID	2019	CW	SO	ALL	LOW	NONE	13	13	10	130	UA0CID
38	JE1RRK	2019	CW	SO	ALL	LOW	NONE	13	13	8	104	
39	JA1SCE	2019	CW	SO	ALL	LOW	NONE	9	9	6	54	
40	JE1GWO	2019	CW	SO	ALL	LOW	NONE	2	2	2	4	
41	JA9LNZ	2019	CW	SO	ALL	LOW	NONE	1	1	1	1	
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	UA0SBQ	2019	CW	SO	ALL	QRP	NONE	20	20	14	280	
2	RA9YUI	2019	CW	SO	ALL	QRP	NONE	3	9	3	27	RA9YUI
3	JR1NKN	2019	CW	SO	ALL	QRP	NONE	1	1	1	1	JR1NKN
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	RG9A	2019	CW	SA	ALL	HIGH	NONE	567	1.181	136	160.616	RG9A
2	UN7LZ	2019	CW	SA	ALL	HIGH	NONE	521	1.077	140	150.780	
3	P3X	2019	CW	SA	ALL	HIGH	NONE	132	202	68	13.736	UT5UDX
4	4X1VF	2019	CW	SA	ALL	HIGH	NONE	143	191	66	12.606	4X1VF
5	UA9LAO	2019	CW	SA	ALL	HIGH	NONE	129	187	46	8.602	UA9LAO
6	RK0UT	2019	CW	SA	ALL	HIGH	NONE	132	132	38	5.016	UA8DA
7	JE1LFX	2019	CW	SA	ALL	HIGH	NONE	77	89	32	2.848	JE1LFX
8	JE1NVD	2019	CW	SA	ALL	HIGH	NONE	66	74	31	2.294	JE1NVD
9	JO7KMB	2019	CW	SA	ALL	HIGH	NONE	57	75	29	2.175	
10	JA7GYP	2019	CW	SA	ALL	HIGH	NONE	58	58	27	1.566	JA7GYP
11	JA2XYO	2019	CW	SA	ALL	HIGH	NONE	33	35	23	805	JA2XYO
12	7K4VPV	2019	CW	SA	ALL	HIGH	NONE	39	39	20	780	7K4VPV
13	JH2FXK	2019	CW	SA	ALL	HIGH	NONE	23	37	18	666	JH2FXK
14	JA2HYD	2019	CW	SA	ALL	HIGH	NONE	29	33	19	627	
15	TA4CS	2019	CW	SA	ALL	HIGH	NONE	14	42	10	420	TA4CS
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	UA9W	2019	CW	SA	LO-B	HIGH	NONE	238	714	65	46.410	UA9W
2	UN2E	2019	CW	SA	LO-B	HIGH	NONE	90	270	44	11.880	
3	R8OM	2019	CW	SA	LO-B	HIGH	NONE	84	252	37	9.324	R8OM
4	UN4PG	2019	CW	SA	LO-B	HIGH	NONE	23	69	11	759	UN4PG
5	UA9LT	2019	CW	SA	LO-B	HIGH	NONE	11	33	9	297	UA9LT
6	JA5NSR	2019	CW	SA	LO-B	HIGH	NONE	10	30	8	240	
7	UN8GA	2019	CW	SA	LO-B	HIGH	NONE	7	21	5	105	UN8GA
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	RA9AP	2019	CW	SA	ALL	LOW	NONE	317	515	100	51.500	RA9AP
2	EX8MJ	2019	CW	SA	ALL	LOW	NONE	211	337	88	29.656	EX8MJ

#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINT	MULT.	SCORE	OPERATOR
3	RU9TN	2019	CW	SA	ALL	LOW	NONE	194	330	68	22.440	RU9TN
4	RA9MX	2019	CW	SA	ALL	LOW	NONE	181	305	73	22.265	RA9MX
5	UN8PT	2019	CW	SA	ALL	LOW	NONE	165	219	62	13.578	UN8PT
6	RC9A	2019	CW	SA	ALL	LOW	NONE	68	108	42	4.536	RC9A
7	4Z4KX	2019	CW	SA	ALL	LOW	NONE	37	111	27	2.997	4Z4KX
8	VU2DED	2019	CW	SA	ALL	LOW	NONE	46	70	30	2.100	VU2DED
9	JG1EIQ	2019	CW	SA	ALL	LOW	NONE	39	39	19	741	JG1EIQ
10	HS8HEX	2019	CW	SA	ALL	LOW	NONE	31	37	20	740	HS8HEX
11	RK9UE	2019	CW	SA	ALL	LOW	NONE	11	33	6	198	RK9UE
12	JA5QJX/0	2019	CW	SA	ALL	LOW	NONE	4	6	3	18	JA5QJX
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	JG1LFR	2019	CW	SA	ALL	QRP	NONE	8	8	8	64	
2	JR1LLD	2019	CW	SA	ALL	QRP	NONE	3	3	2	6	JR1LLD
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	UA9BA	2019	CW	M-1	ALL	HIGH	NONE	239	511	103	52.633	R8AA UA9BA
2	RK9LWA	2019	CW	M-1	ALL	HIGH	NONE	205	325	69	22.425	R8LA RA9LY

Checklogs: E21EIC, JE1RZR, RF9C, TA3X, UA9WTF

Results SAC CW 2019 EUROPE

#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	LZ5R	2019	CW	SO	ALL	HIGH	NONE	553	553	148	81.844	LZ5DB
2	LZ1GU	2019	CW	SO	ALL	HIGH	NONE	537	537	147	78.939	LZ1GU
3	EU8U	2019	CW	SO	ALL	HIGH	NONE	431	431	143	61.633	
4	LZ1ND	2019	CW	SO	ALL	HIGH	NONE	471	471	127	59.817	LZ1ND
5	UT2UB	2019	CW	SO	ALL	HIGH	NONE	360	360	123	44.280	
6	R3OM	2019	CW	SO	ALL	HIGH	NONE	317	317	119	37.723	
7	YL2HR	2019	CW	SO	ALL	HIGH	NONE	279	279	115	32.085	YL2HR
8	RA3NC	2019	CW	SO	ALL	HIGH	NONE	276	276	116	32.016	
9	OK2EA	2019	CW	SO	ALL	HIGH	NONE	301	301	97	29.197	OK2EA
10	HG6O	2019	CW	SO	ALL	HIGH	NONE	252	252	100	25.200	HA6OA
11	RN4W	2019	CW	SO	ALL	HIGH	NONE	271	271	91	24.661	
12	UV1IX	2019	CW	SO	ALL	HIGH	NONE	252	252	85	21.420	
13	RT4O	2019	CW	SO	ALL	HIGH	NONE	246	246	87	21.402	UA4NCE
14	CT1ILT	2019	CW	SO	ALL	HIGH	NONE	236	236	88	20.768	CT1ILT
15	OK1OA	2019	CW	SO	ALL	HIGH	NONE	229	229	89	20.381	OK1OA
16	ZA/OH2BH	2019	CW	SO	ALL	HIGH	NONE	211	211	89	18.779	OH2BH
17	RU1AC	2019	CW	SO	ALL	HIGH	NONE	206	206	81	16.686	
18	HB9ARF	2019	CW	SO	ALL	HIGH	NONE	215	215	76	16.340	HB9ARF

#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
19	OK1AWC	2019	CW	SO	ALL	HIGH	NONE	183	183	89	16.287	OK1AWC
20	SP4G	2019	CW	SO	ALL	HIGH	NONE	169	169	92	15.548	
21	OK1KTI	2019	CW	SO	ALL	HIGH	NONE	194	194	75	14.550	
22	UR3QX	2019	CW	SO	ALL	HIGH	NONE	172	172	81	13.932	UR3QX
23	F5OHM	2019	CW	SO	ALL	HIGH	NONE	195	195	70	13.650	
24	M1X	2019	CW	SO	ALL	HIGH	NONE	167	167	77	12.859	G0CKP
25	YL2PP	2019	CW	SO	ALL	HIGH	NONE	168	168	75	12.600	
26	SN5N	2019	CW	SO	ALL	HIGH	NONE	155	155	71	11.005	SP5KP
27	YO3GNF	2019	CW	SO	ALL	HIGH	NONE	166	166	62	10.292	YO3GNF
28	EA1XT	2019	CW	SO	ALL	HIGH	NONE	139	139	72	10.008	
29	RA4AR	2019	CW	SO	ALL	HIGH	NONE	136	136	63	8.568	
30	UR4IZ	2019	CW	SO	ALL	HIGH	NONE	139	139	61	8.479	
31	Z39A	2019	CW	SO	ALL	HIGH	NONE	140	140	60	8.400	
32	G3ZGC	2019	CW	SO	ALL	HIGH	NONE	121	121	66	7.986	G3ZGC
33	LZ1RW	2019	CW	SO	ALL	HIGH	NONE	127	127	55	6.985	LZ1RW
34	RV3TG	2019	CW	SO	ALL	HIGH	NONE	116	116	60	6.960	RV3TG
35	E74X	2019	CW	SO	ALL	HIGH	NONE	115	115	59	6.785	
36	HA5T	2019	CW	SO	ALL	HIGH	NONE	113	113	60	6.780	
37	EA5FIV	2019	CW	SO	ALL	HIGH	NONE	143	143	46	6.578	
38	Z35Y	2019	CW	SO	ALL	HIGH	NONE	119	119	53	6.307	Z35Y
39	RK7F	2019	CW	SO	ALL	HIGH	NONE	122	122	50	6.100	RK7F
40	DF5BX	2019	CW	SO	ALL	HIGH	NONE	96	96	59	5.664	DF5BX
41	OK1FRO	2019	CW	SO	ALL	HIGH	NONE	97	97	45	4.365	OK1FRO
42	Z33B	2019	CW	SO	ALL	HIGH	NONE	98	98	43	4.214	
43	SP2XX	2019	CW	SO	ALL	HIGH	NONE	94	94	44	4.136	SP2XX
44	F5PHY	2019	CW	SO	ALL	HIGH	NONE	120	120	34	4.080	F5PHY
45	IK1BPL	2019	CW	SO	ALL	HIGH	NONE	95	95	41	3.895	
46	DK0SU	2019	CW	SO	ALL	HIGH	NONE	89	89	43	3.827	DF7SA
47	RA3TT	2019	CW	SO	ALL	HIGH	NONE	85	85	44	3.740	RA3TT
48	LY4T	2019	CW	SO	ALL	HIGH	NONE	72	72	47	3.384	
49	OM5VS	2019	CW	SO	ALL	HIGH	NONE	92	92	32	2.944	
50	PA2CHM	2019	CW	SO	ALL	HIGH	NONE	77	77	38	2.926	PA2CHM
51	HA0LZ	2019	CW	SO	ALL	HIGH	NONE	88	88	31	2.728	HA0LZ
52	SV1JG	2019	CW	SO	ALL	HIGH	NONE	80	80	34	2.720	SV1JG
53	GM4FDM	2019	CW	SO	ALL	HIGH	NONE	83	83	30	2.490	
54	RU4AA	2019	CW	SO	ALL	HIGH	NONE	84	84	28	2.352	RU4AA
55	UA3DSN	2019	CW	SO	ALL	HIGH	NONE	54	54	42	2.268	
56	LX75V	2019	CW	SO	ALL	HIGH	NONE	60	60	33	1.980	LX1NO
57	DG0KS	2019	CW	SO	ALL	HIGH	NONE	66	66	27	1.782	DG0KS
58	LZ2FL	2019	CW	SO	ALL	HIGH	NONE	55	55	26	1.430	LZ2FL
59	SP2GUB	2019	CW	SO	ALL	HIGH	NONE	51	51	27	1.377	SP2GUB

#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
60	US3LX	2019	CW	SO	ALL	HIGH	NONE	42	42	32	1.344	
61	SP1JQJ	2019	CW	SO	ALL	HIGH	NONE	56	56	24	1.344	SP1JQJ
62	DL1AOB	2019	CW	SO	ALL	HIGH	NONE	39	39	33	1.287	DL1AOB
63	EI5KF	2019	CW	SO	ALL	HIGH	NONE	42	42	30	1.260	
64	DK1LRS	2019	CW	SO	ALL	HIGH	NONE	39	39	28	1.092	
65	LY2NK	2019	CW	SO	ALL	HIGH	NONE	49	49	21	1.029	LY2NK
66	IZ2GRG	2019	CW	SO	ALL	HIGH	NONE	28	28	27	756	
67	DK3AX	2019	CW	SO	ALL	HIGH	NONE	34	34	22	748	DK3AX
68	EA3GBA	2019	CW	SO	ALL	HIGH	NONE	32	32	22	704	EA3GBA
69	IV3AZV	2019	CW	SO	ALL	HIGH	NONE	32	32	21	672	
70	EW8OM	2019	CW	SO	ALL	HIGH	NONE	30	30	21	630	
71	UR4EI	2019	CW	SO	ALL	HIGH	NONE	21	21	13	273	UR4EI
72	EI7KD	2019	CW	SO	ALL	HIGH	NONE	7	7	6	42	
73	SO5N	2019	CW	SO	ALL	HIGH	NONE	5	5	4	20	SP5BMU
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	UR5MM	2019	CW	SO	ALL	LOW	NONE	382	382	132	50.424	
2	F6IRA	2019	CW	SO	ALL	LOW	NONE	372	372	126	46.872	F6IRA
3	R7MC	2019	CW	SO	ALL	LOW	NONE	362	362	125	45.250	
4	UA4WI	2019	CW	SO	ALL	LOW	NONE	354	354	116	41.064	
5	F6AUS	2019	CW	SO	ALL	LOW	NONE	299	299	120	35.880	
6	OK2MBP	2019	CW	SO	ALL	LOW	NONE	329	329	109	35.861	
7	DF4ZL	2019	CW	SO	ALL	LOW	NONE	286	286	109	31.174	DF4ZL
8	OM4WW	2019	CW	SO	ALL	LOW	NONE	278	278	109	30.302	
9	US5XD	2019	CW	SO	ALL	LOW	NONE	275	275	104	28.600	
10	UR5KO	2019	CW	SO	ALL	LOW	NONE	259	259	107	27.713	UR5KO
11	HA3MU	2019	CW	SO	ALL	LOW	NONE	258	258	102	26.316	HA3MU
12	YL2GP	2019	CW	SO	ALL	LOW	NONE	254	254	95	24.130	
13	UT5NR	2019	CW	SO	ALL	LOW	NONE	269	269	89	23.941	UT5NR
14	SP1AEN	2019	CW	SO	ALL	LOW	NONE	289	289	82	23.698	SP1AEN
15	I6FDJ	2019	CW	SO	ALL	LOW	NONE	233	233	95	22.135	
16	R7KX	2019	CW	SO	ALL	LOW	NONE	257	257	86	22.102	
17	UA4CNJ	2019	CW	SO	ALL	LOW	NONE	228	228	91	20.748	
18	F5PAL	2019	CW	SO	ALL	LOW	NONE	244	244	84	20.496	F5PAL
19	RD3FT	2019	CW	SO	ALL	LOW	NONE	198	198	103	20.394	
20	OK1DKO	2019	CW	SO	ALL	LOW	NONE	219	219	92	20.148	
21	SP4AWE	2019	CW	SO	ALL	LOW	NONE	223	223	90	20.070	SP4AWE
22	EW1FM	2019	CW	SO	ALL	LOW	NONE	207	207	96	19.872	
23	R7MT	2019	CW	SO	ALL	LOW	NONE	225	225	88	19.800	R7MT
24	R1QE	2019	CW	SO	ALL	LOW	NONE	205	205	96	19.680	
25	UA3T	2019	CW	SO	ALL	LOW	NONE	209	209	94	19.646	
26	IZ4OSH	2019	CW	SO	ALL	LOW	NONE	222	222	87	19.314	IZ4OSH

#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
27	UA6HFI	2019	CW	SO	ALL	LOW	NONE	215	215	87	18.705	UA6HFI
28	SP9PKZ	2019	CW	SO	ALL	LOW	NONE	204	204	90	18.360	SP9ADU
29	OK2SGY	2019	CW	SO	ALL	LOW	NONE	205	205	88	18.040	OK2SGY
30	RL4F	2019	CW	SO	ALL	LOW	NONE	202	202	89	17.978	
31	RM7C	2019	CW	SO	ALL	LOW	NONE	210	210	85	17.850	RM7C
32	DG7EE	2019	CW	SO	ALL	LOW	NONE	221	221	80	17.680	DG7EE
33	RV3M	2019	CW	SO	ALL	LOW	NONE	173	173	102	17.646	RV3M
34	EA4AOC	2019	CW	SO	ALL	LOW	NONE	241	241	73	17.593	
35	LZ1DQ	2019	CW	SO	ALL	LOW	NONE	218	218	80	17.440	LZ1DQ
36	RX3VF	2019	CW	SO	ALL	LOW	NONE	204	204	85	17.340	RX3VF
37	UX3UV	2019	CW	SO	ALL	LOW	NONE	190	190	91	17.290	UX3UV
38	OE1CIW	2019	CW	SO	ALL	LOW	NONE	201	201	86	17.286	
39	UT3RN	2019	CW	SO	ALL	LOW	NONE	218	218	78	17.004	
40	OK5E	2019	CW	SO	ALL	LOW	NONE	193	193	87	16.791	OK5E
41	UA2FL	2019	CW	SO	ALL	LOW	NONE	187	187	84	15.708	UA2FL
42	RD1T	2019	CW	SO	ALL	LOW	NONE	183	183	85	15.555	
43	RA5AQ	2019	CW	SO	ALL	LOW	NONE	183	183	85	15.555	RA5AQ
44	RA3XCZ	2019	CW	SO	ALL	LOW	NONE	162	162	95	15.390	
45	OK5SA	2019	CW	SO	ALL	LOW	NONE	173	173	88	15.224	
46	SP9BCH	2019	CW	SO	ALL	LOW	NONE	185	185	81	14.985	
47	OK1HEH	2019	CW	SO	ALL	LOW	NONE	198	198	75	14.850	OK1HEH
48	OK1DVA	2019	CW	SO	ALL	LOW	NONE	187	187	78	14.586	
49	ES1QD	2019	CW	SO	ALL	LOW	NONE	179	179	80	14.320	ES1QD
50	ON3ND	2019	CW	SO	ALL	LOW	NONE	174	174	82	14.268	
51	I0IA	2019	CW	SO	ALL	LOW	NONE	173	173	82	14.186	
52	S52AU	2019	CW	SO	ALL	LOW	NONE	178	178	79	14.062	S52AU
53	OE5CYL	2019	CW	SO	ALL	LOW	NONE	175	175	80	14.000	OE5CYL
54	LZ2CH	2019	CW	SO	ALL	LOW	NONE	200	200	70	14.000	LZ2CH
55	OL8M	2019	CW	SO	ALL	LOW	NONE	149	149	92	13.708	
56	R3VR	2019	CW	SO	ALL	LOW	NONE	162	162	83	13.446	RV3VR
57	OM8VL	2019	CW	SO	ALL	LOW	NONE	176	176	76	13.376	OM8VL
58	RA3YDA	2019	CW	SO	ALL	LOW	NONE	167	167	80	13.360	
59	OK2BH	2019	CW	SO	ALL	LOW	NONE	167	167	80	13.360	
60	DL2FCA	2019	CW	SO	ALL	LOW	NONE	164	164	81	13.284	
61	SV5/DL3DRN	2019	CW	SO	ALL	LOW	NONE	156	156	81	12.636	DL3DRN
62	F6HJO	2019	CW	SO	ALL	LOW	NONE	178	178	70	12.460	F6HJO
63	DK3WN	2019	CW	SO	ALL	LOW	NONE	158	158	78	12.324	DK3WN
64	HA7MF	2019	CW	SO	ALL	LOW	NONE	160	160	75	12.000	HA7MF
65	PA2W	2019	CW	SO	ALL	LOW	NONE	162	162	74	11.988	PA2W
66	LZ2FN	2019	CW	SO	ALL	LOW	NONE	156	156	74	11.544	LZ2FN
67	YO4SI	2019	CW	SO	ALL	LOW	NONE	135	135	83	11.205	YO4SI

#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
68	R2PU	2019	CW	SO	ALL	LOW	NONE	144	144	77	11.088	
69	HA7PO	2019	CW	SO	ALL	LOW	NONE	154	154	72	11.088	HA7PO
70	S57X	2019	CW	SO	ALL	LOW	NONE	149	149	74	11.026	S57X
71	DK3CC	2019	CW	SO	ALL	LOW	NONE	135	135	79	10.665	
72	OK1IE	2019	CW	SO	ALL	LOW	NONE	142	142	75	10.650	
73	RT5X	2019	CW	SO	ALL	LOW	NONE	163	163	65	10.595	RT5X
74	UY0CA	2019	CW	SO	ALL	LOW	NONE	164	164	64	10.496	
75	US3EW	2019	CW	SO	ALL	LOW	NONE	152	152	69	10.488	US3EW
76	UT5IZ	2019	CW	SO	ALL	LOW	NONE	156	156	67	10.452	UT5IZ
77	DL1DXA	2019	CW	SO	ALL	LOW	NONE	156	156	67	10.452	
78	R7AC	2019	CW	SO	ALL	LOW	NONE	156	156	66	10.296	
79	OK1FCA	2019	CW	SO	ALL	LOW	NONE	154	154	66	10.164	OK1FCA
80	R3PIQ	2019	CW	SO	ALL	LOW	NONE	141	141	71	10.011	R3PIQ
81	RA3MD	2019	CW	SO	ALL	LOW	NONE	147	147	68	9.996	RA3MD
82	DL8IH	2019	CW	SO	ALL	LOW	NONE	139	139	71	9.869	
83	YO2CJX	2019	CW	SO	ALL	LOW	NONE	136	136	72	9.792	
84	OK1AGE	2019	CW	SO	ALL	LOW	NONE	136	136	72	9.792	OK1AGE
85	EV6Z	2019	CW	SO	ALL	LOW	NONE	165	165	59	9.735	
86	YO4CAI	2019	CW	SO	ALL	LOW	NONE	133	133	73	9.709	
87	IK2AOO	2019	CW	SO	ALL	LOW	NONE	135	135	71	9.585	IK2AOO
88	SP2AEK	2019	CW	SO	ALL	LOW	NONE	149	149	64	9.536	
89	TM4T	2019	CW	SO	ALL	LOW	NONE	140	140	68	9.520	
90	UY5TE	2019	CW	SO	ALL	LOW	NONE	137	137	69	9.453	
91	EA7AAW	2019	CW	SO	ALL	LOW	NONE	157	157	60	9.420	EA7AAW
92	IK4DCX	2019	CW	SO	ALL	LOW	NONE	127	127	74	9.398	
93	R5FP	2019	CW	SO	ALL	LOW	NONE	136	136	67	9.112	R5FP
94	LZ2FM	2019	CW	SO	ALL	LOW	NONE	145	145	62	8.990	
95	SP2ILQ	2019	CW	SO	ALL	LOW	NONE	135	135	66	8.910	SP2ILQ
96	YO2GL	2019	CW	SO	ALL	LOW	NONE	130	130	68	8.840	YO2GL
97	UA3UAD	2019	CW	SO	ALL	LOW	NONE	121	121	73	8.833	
98	UT1WW	2019	CW	SO	ALL	LOW	NONE	138	138	64	8.832	
99	SP9DUX	2019	CW	SO	ALL	LOW	NONE	129	129	67	8.643	SP9DUX
100	OK1PFM	2019	CW	SO	ALL	LOW	NONE	121	121	71	8.591	
101	UA6GO/MM	2019	CW	SO	ALL	LOW	NONE	139	139	61	8.479	UA6GO
102	DJ2IA	2019	CW	SO	ALL	LOW	NONE	140	140	60	8.400	DJ2IA
103	OM3BA	2019	CW	SO	ALL	LOW	NONE	128	128	65	8.320	OM3BA
104	OK1FMG	2019	CW	SO	ALL	LOW	NONE	130	130	64	8.320	
105	OE9WGI	2019	CW	SO	ALL	LOW	NONE	128	128	65	8.320	
106	US5ABI	2019	CW	SO	ALL	LOW	NONE	121	121	67	8.107	
107	YO2CEQ	2019	CW	SO	ALL	LOW	NONE	120	120	67	8.040	YO2CEQ
108	OK2QX	2019	CW	SO	ALL	LOW	NONE	129	129	62	7.998	

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109	DL9GMC	2019	CW	SO	ALL	LOW	NONE	137	137	58	7.946	DL9GMC
110	RL6MF	2019	CW	SO	ALL	LOW	NONE	138	138	57	7.866	
111	F5HTR	2019	CW	SO	ALL	LOW	NONE	123	123	61	7.503	
112	UR4LIN	2019	CW	SO	ALL	LOW	NONE	114	114	65	7.410	
113	LZ5B	2019	CW	SO	ALL	LOW	NONE	134	134	55	7.370	LZ5B
114	SP9R	2019	CW	SO	ALL	LOW	NONE	136	136	53	7.208	SP9BRP
115	F6GCI	2019	CW	SO	ALL	LOW	NONE	113	113	62	7.006	
116	RU4SS	2019	CW	SO	ALL	LOW	NONE	120	120	56	6.720	
117	G3RSD	2019	CW	SO	ALL	LOW	NONE	103	103	65	6.695	G3RSD
118	SP7QO	2019	CW	SO	ALL	LOW	NONE	104	104	64	6.656	
119	EA5ITT	2019	CW	SO	ALL	LOW	NONE	118	118	56	6.608	
120	UR5CC	2019	CW	SO	ALL	LOW	NONE	110	110	60	6.600	UR5CC
121	UT7HM	2019	CW	SO	ALL	LOW	NONE	95	95	69	6.555	UT7HM
122	SP2GMA	2019	CW	SO	ALL	LOW	NONE	119	119	54	6.426	SP2GMA
123	OK2ABU	2019	CW	SO	ALL	LOW	NONE	113	113	54	6.102	
124	DJ3XD	2019	CW	SO	ALL	LOW	NONE	107	107	57	6.099	DJ3XD
125	EU4U	2019	CW	SO	ALL	LOW	NONE	110	110	55	6.050	
126	DL9ZP	2019	CW	SO	ALL	LOW	NONE	112	112	54	6.048	DL9ZP
127	OM3PA	2019	CW	SO	ALL	LOW	NONE	109	109	54	5.886	
128	UY2ZZ	2019	CW	SO	ALL	LOW	NONE	103	103	57	5.871	
129	DL8AWK	2019	CW	SO	ALL	LOW	NONE	100	100	57	5.700	
130	RX1AG	2019	CW	SO	ALL	LOW	NONE	107	107	53	5.671	RX1AG
131	PC4Y	2019	CW	SO	ALL	LOW	NONE	101	101	55	5.555	PC4Y
132	UA3YDI	2019	CW	SO	ALL	LOW	NONE	100	100	55	5.500	
133	E78CB	2019	CW	SO	ALL	LOW	NONE	99	99	55	5.445	
134	G3VIP	2019	CW	SO	ALL	LOW	NONE	107	107	50	5.350	G3VIP
135	RA3VE	2019	CW	SO	ALL	LOW	NONE	92	92	57	5.244	
136	UY3MW	2019	CW	SO	ALL	LOW	NONE	110	110	47	5.170	
137	G1M	2019	CW	SO	ALL	LOW	NONE	95	95	54	5.130	M0ITR
138	IV3EAD	2019	CW	SO	ALL	LOW	NONE	100	100	50	5.000	
139	EA7KB	2019	CW	SO	ALL	LOW	NONE	100	100	50	5.000	
140	YU5T	2019	CW	SO	ALL	LOW	NONE	102	102	49	4.998	
141	CT1DRB	2019	CW	SO	ALL	LOW	NONE	104	104	48	4.992	
142	UT7MR	2019	CW	SO	ALL	LOW	NONE	98	98	50	4.900	
143	YO7LYM	2019	CW	SO	ALL	LOW	NONE	94	94	52	4.888	YO7LYM
144	CT1ELZ	2019	CW	SO	ALL	LOW	NONE	94	94	51	4.794	CT1ELZ
145	IK2UEX	2019	CW	SO	ALL	LOW	NONE	108	108	44	4.752	
146	EA2SN	2019	CW	SO	ALL	LOW	NONE	92	92	51	4.692	EA2SN
147	R6CW	2019	CW	SO	ALL	LOW	NONE	84	84	54	4.536	R6CW
148	DJ7UC	2019	CW	SO	ALL	LOW	NONE	102	102	44	4.488	
149	LY2BAA	2019	CW	SO	ALL	LOW	NONE	89	89	50	4.450	LY2BAA

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150	F/G3VYI	2019	CW	SO	ALL	LOW	NONE	103	103	43	4.429	F/G3VYI
151	G3WRR	2019	CW	SO	ALL	LOW	NONE	81	81	53	4.293	G3WRR
152	SP9JPA	2019	CW	SO	ALL	LOW	NONE	93	93	46	4.278	SP9JPA
153	R4WAB	2019	CW	SO	ALL	LOW	NONE	89	89	48	4.272	
154	UB3SAR	2019	CW	SO	ALL	LOW	NONE	86	86	49	4.214	
155	OK1AOU	2019	CW	SO	ALL	LOW	NONE	90	90	46	4.140	OK1AOU
156	RT1I	2019	CW	SO	ALL	LOW	NONE	100	100	41	4.100	RT1I
157	ON6LO	2019	CW	SO	ALL	LOW	NONE	83	83	49	4.067	
158	HA3FMR	2019	CW	SO	ALL	LOW	NONE	116	116	35	4.060	HA3FMR
159	IK1RGK	2019	CW	SO	ALL	LOW	NONE	92	92	43	3.956	
160	OM8FF	2019	CW	SO	ALL	LOW	NONE	117	117	33	3.861	
161	DL1YPF	2019	CW	SO	ALL	LOW	NONE	78	78	49	3.822	
162	DL2ZA	2019	CW	SO	ALL	LOW	NONE	84	84	45	3.780	DL2ZA
163	DL3CX	2019	CW	SO	ALL	LOW	NONE	92	92	41	3.772	DL3CX
164	YU1RA	2019	CW	SO	ALL	LOW	NONE	83	83	45	3.735	YU1RA
165	PA0RHA	2019	CW	SO	ALL	LOW	NONE	72	72	51	3.672	PA0RHA
166	UT8IA	2019	CW	SO	ALL	LOW	NONE	79	79	45	3.555	UT8IA
167	UA1AUW	2019	CW	SO	ALL	LOW	NONE	75	75	47	3.525	
168	SP2BLC	2019	CW	SO	ALL	LOW	NONE	81	81	42	3.402	SP2BLC
169	EA5/R3AR	2019	CW	SO	ALL	LOW	NONE	67	67	50	3.350	
170	PA5P	2019	CW	SO	ALL	LOW	NONE	71	71	47	3.337	PA5P
171	PA3DBS	2019	CW	SO	ALL	LOW	NONE	84	84	39	3.276	PA3DBS
172	DK3GI	2019	CW	SO	ALL	LOW	NONE	69	69	47	3.243	
173	SP9DLY	2019	CW	SO	ALL	LOW	NONE	97	97	33	3.201	SP9DLY
174	UA3X	2019	CW	SO	ALL	LOW	NONE	72	72	44	3.168	UA3X
175	IK2NUX	2019	CW	SO	ALL	LOW	NONE	85	85	37	3.145	
176	R3OR	2019	CW	SO	ALL	LOW	NONE	70	70	44	3.080	R3OR
177	M3M	2019	CW	SO	ALL	LOW	NONE	71	71	43	3.053	G3PLE
178	RA1WZ	2019	CW	SO	ALL	LOW	NONE	72	72	42	3.024	
179	G0AJJ	2019	CW	SO	ALL	LOW	NONE	70	70	43	3.010	G0AJJ
180	DL7YS	2019	CW	SO	ALL	LOW	NONE	78	78	38	2.964	DL7YS
181	UG3G	2019	CW	SO	ALL	LOW	NONE	72	72	41	2.952	UG3G
182	M0MPM	2019	CW	SO	ALL	LOW	NONE	60	60	48	2.880	M0MPM
183	RZ4AZ	2019	CW	SO	ALL	LOW	NONE	72	72	39	2.808	
184	LY4L	2019	CW	SO	ALL	LOW	NONE	63	63	44	2.772	
185	M0IHT	2019	CW	SO	ALL	LOW	NONE	73	73	37	2.701	M0IHT
186	G8KEK	2019	CW	SO	ALL	LOW	NONE	64	64	42	2.688	G8KEK
187	PA5GU	2019	CW	SO	ALL	LOW	NONE	71	71	37	2.627	PA5GU
188	UA6HLP	2019	CW	SO	ALL	LOW	NONE	61	61	43	2.623	
189	DJ6TK	2019	CW	SO	ALL	LOW	NONE	69	69	38	2.622	DJ6TK
190	OK2BJK	2019	CW	SO	ALL	LOW	NONE	65	65	40	2.600	

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191	F5NLX	2019	CW	SO	ALL	LOW	NONE	69	69	37	2.553	
192	HA2MN	2019	CW	SO	ALL	LOW	NONE	84	84	30	2.520	
193	RA1QN	2019	CW	SO	ALL	LOW	NONE	64	64	39	2.496	RA1QN
194	DL9SAS/P	2019	CW	SO	ALL	LOW	NONE	62	62	39	2.418	
195	LZ3TL	2019	CW	SO	ALL	LOW	NONE	60	60	40	2.400	LZ3TL
196	YL3JD	2019	CW	SO	ALL	LOW	NONE	60	60	39	2.340	
197	DK6QW	2019	CW	SO	ALL	LOW	NONE	58	58	40	2.320	DK6QW
198	R6KY	2019	CW	SO	ALL	LOW	NONE	67	67	34	2.278	
199	UR5IFM	2019	CW	SO	ALL	LOW	NONE	61	61	37	2.257	
200	DK3ABM	2019	CW	SO	ALL	LOW	NONE	55	55	40	2.200	DK3ABM
201	UR7VA	2019	CW	SO	ALL	LOW	NONE	64	64	34	2.176	
202	UA4NF	2019	CW	SO	ALL	LOW	NONE	62	62	35	2.170	
203	F6API	2019	CW	SO	ALL	LOW	NONE	60	60	35	2.100	F6API
204	OM3R	2019	CW	SO	ALL	LOW	NONE	58	58	36	2.088	OM3CFR
205	IT9NAN	2019	CW	SO	ALL	LOW	NONE	69	69	30	2.070	
206	IK2QIK	2019	CW	SO	ALL	LOW	NONE	64	64	32	2.048	
207	EA4BAS	2019	CW	SO	ALL	LOW	NONE	58	58	35	2.030	EA4BAS
208	IK2UJF	2019	CW	SO	ALL	LOW	NONE	60	60	33	1.980	
209	DK5ZX	2019	CW	SO	ALL	LOW	NONE	60	60	33	1.980	DK5ZX
210	UT4UQ	2019	CW	SO	ALL	LOW	NONE	65	65	30	1.950	UT4UQ
211	RN1AO	2019	CW	SO	ALL	LOW	NONE	58	58	33	1.914	RN1AO
212	US4EXD	2019	CW	SO	ALL	LOW	NONE	68	68	28	1.904	UT4EK
213	EA6/SM2EKM	2019	CW	SO	ALL	LOW	NONE	55	55	34	1.870	
214	OR2A	2019	CW	SO	ALL	LOW	NONE	69	69	27	1.863	ON1DX
215	IK4AUY	2019	CW	SO	ALL	LOW	NONE	58	58	32	1.856	
216	RA4L	2019	CW	SO	ALL	LOW	NONE	63	63	29	1.827	RA4L
217	PA0CT	2019	CW	SO	ALL	LOW	NONE	62	62	29	1.798	PA0CT
218	PA2DK	2019	CW	SO	ALL	LOW	NONE	54	54	33	1.782	PA2DK
219	IK2AUK	2019	CW	SO	ALL	LOW	NONE	52	52	34	1.768	IK2AUK
220	DL4XU	2019	CW	SO	ALL	LOW	NONE	68	68	26	1.768	
221	UA4WJ	2019	CW	SO	ALL	LOW	NONE	62	62	28	1.736	UA4WJ
222	RN6AJ	2019	CW	SO	ALL	LOW	NONE	58	58	29	1.682	
223	9A3SM	2019	CW	SO	ALL	LOW	NONE	49	49	34	1.666	
224	DK3YD	2019	CW	SO	ALL	LOW	NONE	50	50	33	1.650	
225	G4RLS	2019	CW	SO	ALL	LOW	NONE	47	47	35	1.645	G4RLS
226	G1SCT	2019	CW	SO	ALL	LOW	NONE	50	50	32	1.600	G1SCT
227	G3ZRJ	2019	CW	SO	ALL	LOW	NONE	46	46	33	1.518	G3ZRJ
228	DL7UXG	2019	CW	SO	ALL	LOW	NONE	46	46	33	1.518	
229	IK5OJB	2019	CW	SO	ALL	LOW	NONE	63	63	24	1.512	
230	IT9CKA	2019	CW	SO	ALL	LOW	NONE	48	48	30	1.440	
231	IM0SDX	2019	CW	SO	ALL	LOW	NONE	45	45	32	1.440	

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232	PA0RBA	2019	CW	SO	ALL	LOW	NONE	49	49	29	1.421	PA0RBA
233	LZ2HT	2019	CW	SO	ALL	LOW	NONE	49	49	29	1.421	LZ2HT
234	SP9EMI	2019	CW	SO	ALL	LOW	NONE	45	45	31	1.395	SP9EMI
235	DL1THB	2019	CW	SO	ALL	LOW	NONE	69	69	20	1.380	
236	YO4TL	2019	CW	SO	ALL	LOW	NONE	54	54	25	1.350	
237	R4MA	2019	CW	SO	ALL	LOW	NONE	54	54	25	1.350	
238	DJ3RA	2019	CW	SO	ALL	LOW	NONE	50	50	27	1.350	DJ3RA
239	S58MU	2019	CW	SO	ALL	LOW	NONE	39	39	34	1.326	S58MU
240	DL2MM	2019	CW	SO	ALL	LOW	NONE	51	51	26	1.326	DL2MM
241	F1IWH	2019	CW	SO	ALL	LOW	NONE	49	49	27	1.323	F1IWH
242	ON4LY	2019	CW	SO	ALL	LOW	NONE	45	45	29	1.305	
243	HA8AR	2019	CW	SO	ALL	LOW	NONE	48	48	27	1.296	
244	ON6QZ	2019	CW	SO	ALL	LOW	NONE	46	46	28	1.288	ON6QZ
245	HA9TA	2019	CW	SO	ALL	LOW	NONE	44	44	29	1.276	HA9TA
246	DK4LX	2019	CW	SO	ALL	LOW	NONE	51	51	25	1.275	DK4LX
247	PD7CJT	2019	CW	SO	ALL	LOW	NONE	50	50	25	1.250	PD7CJT
248	DH0JAE	2019	CW	SO	ALL	LOW	NONE	45	45	27	1.215	DH0JAE
249	UT8AS	2019	CW	SO	ALL	LOW	NONE	39	39	30	1.170	
250	F1VEV	2019	CW	SO	ALL	LOW	NONE	41	41	28	1.148	F1VEV
251	DL4FCH	2019	CW	SO	ALL	LOW	NONE	43	43	25	1.075	DL4FCH
252	OM5MX	2019	CW	SO	ALL	LOW	NONE	44	44	23	1.012	
253	UB1AHY	2019	CW	SO	ALL	LOW	NONE	38	38	26	988	
254	OM4ANO	2019	CW	SO	ALL	LOW	NONE	39	39	25	975	OM4ANO
255	RM1F	2019	CW	SO	ALL	LOW	NONE	37	37	26	962	
256	DO7ES	2019	CW	SO	ALL	LOW	NONE	38	38	25	950	
257	IK4XQT	2019	CW	SO	ALL	LOW	NONE	43	43	22	946	IK4XQT
258	SV8/PA1FJ	2019	CW	SO	ALL	LOW	NONE	39	39	24	936	
259	DJ7IK	2019	CW	SO	ALL	LOW	NONE	41	41	22	902	
260	SV2AEL	2019	CW	SO	ALL	LOW	NONE	38	38	23	874	SV2AEL
261	G0MCV	2019	CW	SO	ALL	LOW	NONE	33	33	25	825	G0MCV
262	ON4CT	2019	CW	SO	ALL	LOW	NONE	34	34	24	816	ON4CT
263	9H1PI	2019	CW	SO	ALL	LOW	NONE	34	34	24	816	9H1PI
264	IK4VET	2019	CW	SO	ALL	LOW	NONE	30	30	27	810	
265	PA3EPO	2019	CW	SO	ALL	LOW	NONE	31	31	26	806	PA3EPO
266	EI4II	2019	CW	SO	ALL	LOW	NONE	30	30	26	780	EI4II
267	IK2IKW	2019	CW	SO	ALL	LOW	NONE	31	31	25	775	IK2IKW
268	IK4ZHH	2019	CW	SO	ALL	LOW	NONE	36	36	21	756	
269	DF4TS	2019	CW	SO	ALL	LOW	NONE	36	36	21	756	DF4TS
270	EU6O	2019	CW	SO	ALL	LOW	NONE	32	32	22	704	EU6O
271	Z33F	2019	CW	SO	ALL	LOW	NONE	29	29	24	696	
272	YL2LW	2019	CW	SO	ALL	LOW	NONE	31	31	20	620	YL2LW

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273	YL2HB	2019	CW	SO	ALL	LOW	NONE	27	27	22	594	
274	DK3PM	2019	CW	SO	ALL	LOW	NONE	28	28	20	560	
275	G3XSD	2019	CW	SO	ALL	LOW	NONE	27	27	20	540	G3XSD
276	G3SQU	2019	CW	SO	ALL	LOW	NONE	30	30	18	540	
277	US7IGN/P	2019	CW	SO	ALL	LOW	NONE	28	28	19	532	
278	RA1AGJ	2019	CW	SO	ALL	LOW	NONE	28	28	19	532	RA1AGJ
279	DL6MHW	2019	CW	SO	ALL	LOW	NONE	26	26	18	468	
280	SQ9FMU	2019	CW	SO	ALL	LOW	NONE	24	24	16	384	SQ9FMU
281	G4NXG/M	2019	CW	SO	ALL	LOW	NONE	25	25	15	375	G4NXG
282	DK4EF	2019	CW	SO	ALL	LOW	NONE	22	22	16	352	DK4EF
283	RV6AA/P	2019	CW	SO	ALL	LOW	NONE	23	23	15	345	
284	GM0EUL	2019	CW	SO	ALL	LOW	NONE	20	20	17	340	GM0EUL
285	YO9HG	2019	CW	SO	ALL	LOW	NONE	22	22	15	330	YO9HG
286	DF9YC	2019	CW	SO	ALL	LOW	NONE	19	19	16	304	
287	RT6N	2019	CW	SO	ALL	LOW	NONE	21	21	14	294	RT6N
288	R1ZM	2019	CW	SO	ALL	LOW	NONE	19	19	14	266	R1ZM
289	SP9KJU	2019	CW	SO	ALL	LOW	NONE	20	20	13	260	SP9MDY
290	F3WT	2019	CW	SO	ALL	LOW	NONE	18	18	14	252	F3WT
291	DL3KUD	2019	CW	SO	ALL	LOW	NONE	19	19	12	228	DL3KUD
292	EA3CWT	2019	CW	SO	ALL	LOW	NONE	15	15	14	210	EA3CWT
293	SP2R	2019	CW	SO	ALL	LOW	NONE	16	16	13	208	SP2R
294	EA1BDX	2019	CW	SO	ALL	LOW	NONE	13	13	12	156	
295	OE1OMA/P	2019	CW	SO	ALL	LOW	NONE	17	17	9	153	OE1OMA
296	OT2X	2019	CW	SO	ALL	LOW	NONE	14	14	10	140	OT2X
297	OE5FDM	2019	CW	SO	ALL	LOW	NONE	15	15	9	135	OE5FDM
298	DH8MS	2019	CW	SO	ALL	LOW	NONE	12	12	11	132	DH8MS
299	PA3DVA	2019	CW	SO	ALL	LOW	NONE	12	12	9	108	PA3DVA
300	DL2AXM	2019	CW	SO	ALL	LOW	NONE	10	10	10	100	DL2AXM
301	LZ2ZY	2019	CW	SO	ALL	LOW	NONE	11	11	9	99	LZ2ZY
302	2M0URT	2019	CW	SO	ALL	LOW	NONE	11	11	9	99	2M0URT
303	OE/DK9TN	2019	CW	SO	ALL	LOW	NONE	10	10	7	70	
304	2E0FTT	2019	CW	SO	ALL	LOW	NONE	8	8	8	64	2E0FTT
305	EI3CTB	2019	CW	SO	ALL	LOW	NONE	6	6	5	30	
306	EA5VK	2019	CW	SO	ALL	LOW	NONE	6	6	4	24	EA5VK
307	IW1CBG	2019	CW	SO	ALL	LOW	NONE	3	3	3	9	IW1CBG
308	DL2JST	2019	CW	SO	ALL	LOW	NONE	1	1	1	1	DL2JST
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	UY7RR	2019	CW	SO	ALL	QRP	NONE	260	260	112	29.120	UY7RR
2	UA3LMR	2019	CW	SO	ALL	QRP	NONE	255	255	113	28.815	UA3LMR
3	UA6AK	2019	CW	SO	ALL	QRP	NONE	261	261	88	22.968	UA6AK
4	RW3AI	2019	CW	SO	ALL	QRP	NONE	187	187	89	16.643	

#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
5	HG6C	2019	CW	SO	ALL	QRP	NONE	170	170	85	14.450	HA6IAM
6	UR5FA	2019	CW	SO	ALL	QRP	NONE	156	156	70	10.920	
7	OK1FKD	2019	CW	SO	ALL	QRP	NONE	149	149	68	10.132	
8	OK6OK	2019	CW	SO	ALL	QRP	NONE	141	141	64	9.024	
9	G4OZG	2019	CW	SO	ALL	QRP	NONE	135	135	64	8.640	G4OZG
10	RV3DBK	2019	CW	SO	ALL	QRP	NONE	119	119	64	7.616	RV3DBK
11	DK4CU	2019	CW	SO	ALL	QRP	NONE	100	100	58	5.800	
12	LZ2RS	2019	CW	SO	ALL	QRP	NONE	109	109	52	5.668	LZ2RS
13	DF1SZ	2019	CW	SO	ALL	QRP	NONE	101	101	56	5.656	
14	LY5G	2019	CW	SO	ALL	QRP	NONE	95	95	58	5.510	
15	R7KO	2019	CW	SO	ALL	QRP	NONE	96	96	51	4.896	
16	PE2K	2019	CW	SO	ALL	QRP	NONE	108	108	44	4.752	PE2K
17	E74Y	2019	CW	SO	ALL	QRP	NONE	74	74	56	4.144	E74Y
18	YL3FW	2019	CW	SO	ALL	QRP	NONE	99	99	34	3.366	YL3FW
19	UA3PP	2019	CW	SO	ALL	QRP	NONE	73	73	44	3.212	UA3PP
20	IV3DRP	2019	CW	SO	ALL	QRP	NONE	64	64	40	2.560	
21	UT7MT	2019	CW	SO	ALL	QRP	NONE	58	58	36	2.088	
22	DF7XR	2019	CW	SO	ALL	QRP	NONE	56	56	35	1.960	
23	UR5TGK	2019	CW	SO	ALL	QRP	NONE	56	56	30	1.680	
24	DL2DWP	2019	CW	SO	ALL	QRP	NONE	41	41	33	1.353	
25	F6HHR	2019	CW	SO	ALL	QRP	NONE	43	43	30	1.290	
26	LY2LF	2019	CW	SO	ALL	QRP	NONE	45	45	23	1.035	LY2LF
27	YO3JOS	2019	CW	SO	ALL	QRP	NONE	38	38	21	798	YO3JOS
28	UA6KAC	2019	CW	SO	ALL	QRP	NONE	44	44	18	792	
29	9A3DML	2019	CW	SO	ALL	QRP	NONE	37	37	18	666	9A3DML
30	DK7OG	2019	CW	SO	ALL	QRP	NONE	25	25	21	525	
31	DL1EAL	2019	CW	SO	ALL	QRP	NONE	26	26	17	442	DL1EAL
32	ON7CC	2019	CW	SO	ALL	QRP	NONE	23	23	18	414	ON7CC
33	HA5BA	2019	CW	SO	ALL	QRP	NONE	24	24	17	408	
34	OK1LV	2019	CW	SO	ALL	QRP	NONE	21	21	17	357	
35	DJ3GE	2019	CW	SO	ALL	QRP	NONE	20	20	14	280	DJ3GE
36	UA3VLO	2019	CW	SO	ALL	QRP	NONE	20	20	13	260	
37	OK1NF	2019	CW	SO	ALL	QRP	NONE	16	16	14	224	
38	DK3WM	2019	CW	SO	ALL	QRP	NONE	10	10	10	100	
39	IZ3NVR/P	2019	CW	SO	ALL	QRP	NONE	11	11	9	99	
40	DH5MM	2019	CW	SO	ALL	QRP	NONE	8	8	7	56	
41	EU8R	2019	CW	SO	ALL	QRP	NONE	7	7	4	28	EU8R
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	UA6LFQ	2019	CW	SA	ALL	HIGH	NONE	706	706	167	117.902	UA6LFQ
2	UA5C	2019	CW	SA	ALL	HIGH	NONE	680	680	165	112.200	UA5C
3	UT4U	2019	CW	SA	ALL	HIGH	NONE	670	670	166	111.220	UT4U

#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
4	LZ9R	2019	CW	SA	ALL	HIGH	NONE	569	569	157	89.333	LZ9R
5	UB3A	2019	CW	SA	ALL	HIGH	NONE	550	550	154	84.700	
6	I2WIJ	2019	CW	SA	ALL	HIGH	NONE	530	530	146	77.380	
7	R4KO	2019	CW	SA	ALL	HIGH	NONE	524	524	145	75.980	R4KO
8	UW1M	2019	CW	SA	ALL	HIGH	NONE	486	486	148	71.928	UR5MW
9	RW4W	2019	CW	SA	ALL	HIGH	NONE	520	520	134	69.680	
10	YL3CW	2019	CW	SA	ALL	HIGH	NONE	471	471	146	68.766	
11	EW8DX	2019	CW	SA	ALL	HIGH	NONE	504	504	135	68.040	EW8DX
12	R6AF	2019	CW	SA	ALL	HIGH	NONE	481	481	140	67.340	R6AF
13	DL5JQ	2019	CW	SA	ALL	HIGH	NONE	436	436	136	59.296	
14	YQ6A	2019	CW	SA	ALL	HIGH	NONE	417	417	140	58.380	YO6BHN
15	OK2QA	2019	CW	SA	ALL	HIGH	NONE	432	432	131	56.592	OK2QA
16	RM2D	2019	CW	SA	ALL	HIGH	NONE	419	419	132	55.308	SM6LRR
17	LY2XW	2019	CW	SA	ALL	HIGH	NONE	402	402	127	51.054	
18	DL3DW	2019	CW	SA	ALL	HIGH	NONE	388	388	129	50.052	DL3DW
19	IZ3SQW	2019	CW	SA	ALL	HIGH	NONE	399	399	121	48.279	
20	RW3XZ	2019	CW	SA	ALL	HIGH	NONE	347	347	132	45.804	RW3XZ
21	DL4HRM	2019	CW	SA	ALL	HIGH	NONE	390	390	114	44.460	DL4HRM
22	UY5ZZ	2019	CW	SA	ALL	HIGH	NONE	326	326	135	44.010	UY5ZZ
23	YO4DW	2019	CW	SA	ALL	HIGH	NONE	340	340	123	41.820	YO4DW
24	R4BZ	2019	CW	SA	ALL	HIGH	NONE	363	363	114	41.382	R4BZ
25	DF5EG	2019	CW	SA	ALL	HIGH	NONE	334	334	121	40.414	DF5EG
26	UA6LCN	2019	CW	SA	ALL	HIGH	NONE	356	356	113	40.228	UA6LCN
27	YL7X	2019	CW	SA	ALL	HIGH	NONE	314	314	125	39.250	YL2LY
28	G4DBW	2019	CW	SA	ALL	HIGH	NONE	313	313	124	38.812	G4DBW
29	R4ACY	2019	CW	SA	ALL	HIGH	NONE	351	351	108	37.908	R4ACY
30	SV1ENG	2019	CW	SA	ALL	HIGH	NONE	324	324	111	35.964	SV1ENG
31	YO3LW	2019	CW	SA	ALL	HIGH	NONE	295	295	118	34.810	YO3LW
32	RN6A	2019	CW	SA	ALL	HIGH	NONE	332	332	102	33.864	RN6A
33	EA6FO	2019	CW	SA	ALL	HIGH	NONE	273	273	116	31.668	EA3AIR
34	RK3AW	2019	CW	SA	ALL	HIGH	NONE	293	293	104	30.472	
35	OQ5M	2019	CW	SA	ALL	HIGH	NONE	255	255	116	29.580	ON5ZO
36	PA3AAV	2019	CW	SA	ALL	HIGH	NONE	249	249	104	25.896	PA3AAV
37	G6AY	2019	CW	SA	ALL	HIGH	NONE	300	300	85	25.500	
38	RC7A	2019	CW	SA	ALL	HIGH	NONE	262	262	95	24.890	RC7A
39	I2IFT	2019	CW	SA	ALL	HIGH	NONE	257	257	95	24.415	I2IFT
40	DL1NKS	2019	CW	SA	ALL	HIGH	NONE	249	249	97	24.153	DL1NKS
41	LY3CY	2019	CW	SA	ALL	HIGH	NONE	253	253	90	22.770	LY3CY
42	R6AP	2019	CW	SA	ALL	HIGH	NONE	237	237	96	22.752	R6AP
43	R7AT	2019	CW	SA	ALL	HIGH	NONE	280	280	78	21.840	
44	LY2BKT	2019	CW	SA	ALL	HIGH	NONE	238	238	84	19.992	LY2BKT

#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
45	G3TXF	2019	CW	SA	ALL	HIGH	NONE	226	226	88	19.888	
46	DL3FCG	2019	CW	SA	ALL	HIGH	NONE	192	192	97	18.624	
47	LY2AX	2019	CW	SA	ALL	HIGH	NONE	193	193	95	18.335	LY2AX
48	DL4ME	2019	CW	SA	ALL	HIGH	NONE	209	209	86	17.974	DL4ME
49	RT5C	2019	CW	SA	ALL	HIGH	NONE	182	182	90	16.380	RT5C
50	SP9WZJ	2019	CW	SA	ALL	HIGH	NONE	215	215	74	15.910	SP9WZJ
51	PA5WT	2019	CW	SA	ALL	HIGH	NONE	197	197	69	13.593	PA5WT
52	OK3X	2019	CW	SA	ALL	HIGH	NONE	202	202	65	13.130	OK1VK
53	S57DX	2019	CW	SA	ALL	HIGH	NONE	156	156	82	12.792	S57DX
54	UA3QGT	2019	CW	SA	ALL	HIGH	NONE	156	156	77	12.012	UA3QGT
55	RU5TT	2019	CW	SA	ALL	HIGH	NONE	160	160	74	11.840	UA3TW
56	F8DFP	2019	CW	SA	ALL	HIGH	NONE	155	155	73	11.315	F8DFP
57	PA3GDD	2019	CW	SA	ALL	HIGH	NONE	153	153	67	10.251	PA3GDD
58	UR/ES5RY	2019	CW	SA	ALL	HIGH	NONE	141	141	71	10.011	ES5RY
59	LY5O	2019	CW	SA	ALL	HIGH	NONE	138	138	72	9.936	LY5O
60	SP9M	2019	CW	SA	ALL	HIGH	NONE	136	136	69	9.384	SP9M
61	LZ5QZ	2019	CW	SA	ALL	HIGH	NONE	139	139	66	9.174	LZ5QZ
62	DL1DTL	2019	CW	SA	ALL	HIGH	NONE	113	113	58	6.554	
63	PA1LEX	2019	CW	SA	ALL	HIGH	NONE	107	107	61	6.527	PA1LEX
64	DL2MDU	2019	CW	SA	ALL	HIGH	NONE	108	108	59	6.372	DL2MDU
65	UT7IS	2019	CW	SA	ALL	HIGH	NONE	117	117	53	6.201	UT7IS
66	RV3ZN	2019	CW	SA	ALL	HIGH	NONE	95	95	62	5.890	RV3ZN
67	DL1BUG	2019	CW	SA	ALL	HIGH	NONE	99	99	57	5.643	
68	IT9ESW	2019	CW	SA	ALL	HIGH	NONE	108	108	52	5.616	
69	DJ9RR	2019	CW	SA	ALL	HIGH	NONE	101	101	54	5.454	DJ9RR
70	LZ30OJ	2019	CW	SA	ALL	HIGH	NONE	112	112	48	5.376	LZ1OJ
71	M0BPQ	2019	CW	SA	ALL	HIGH	NONE	95	95	53	5.035	M0BPQ
72	PA3GRM	2019	CW	SA	ALL	HIGH	NONE	105	105	47	4.935	PA3GRM
73	LZ1HW	2019	CW	SA	ALL	HIGH	NONE	102	102	48	4.896	LZ1HW
74	EA7TH	2019	CW	SA	ALL	HIGH	NONE	98	98	48	4.704	EA7TH
75	RL4A	2019	CW	SA	ALL	HIGH	NONE	79	79	58	4.582	
76	GD4EIP	2019	CW	SA	ALL	HIGH	NONE	82	82	55	4.510	GD4EIP
77	RA6GW	2019	CW	SA	ALL	HIGH	NONE	123	123	34	4.182	RA6GW
78	OK5M	2019	CW	SA	ALL	HIGH	NONE	115	115	33	3.795	OK5MM
79	HA8QZ	2019	CW	SA	ALL	HIGH	NONE	106	106	35	3.710	HA8QZ
80	HB9DOS	2019	CW	SA	ALL	HIGH	NONE	75	75	49	3.675	HB9DOS
81	R5FU	2019	CW	SA	ALL	HIGH	NONE	72	72	50	3.600	R5FU
82	HA1VHF	2019	CW	SA	ALL	HIGH	NONE	96	96	35	3.360	
83	PA0M	2019	CW	SA	ALL	HIGH	NONE	81	81	38	3.078	PA0M
84	PA5TT	2019	CW	SA	ALL	HIGH	NONE	74	74	41	3.034	PA5TT
85	EA5IHK	2019	CW	SA	ALL	HIGH	NONE	91	91	33	3.003	EA5IHK

#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
86	PA5N	2019	CW	SA	ALL	HIGH	NONE	74	74	38	2.812	PA5N
87	HB9TSW	2019	CW	SA	ALL	HIGH	NONE	58	58	45	2.610	HB9TSW
88	F5NBX	2019	CW	SA	ALL	HIGH	NONE	52	52	35	1.820	
89	I0WBX	2019	CW	SA	ALL	HIGH	NONE	50	50	36	1.800	I0WBX
90	EA2CW	2019	CW	SA	ALL	HIGH	NONE	51	51	35	1.785	EA2CW
91	Z61DX	2019	CW	SA	ALL	HIGH	NONE	42	42	28	1.176	Z61DX
92	LY2J	2019	CW	SA	ALL	HIGH	NONE	45	45	24	1.080	LY2J
93	EC1RS	2019	CW	SA	ALL	HIGH	NONE	41	41	20	820	EC1RS
94	DM1TX	2019	CW	SA	ALL	HIGH	NONE	34	34	22	748	DM1TX
95	DL1LOD	2019	CW	SA	ALL	HIGH	NONE	30	30	21	630	DL1LOD
96	UC6K	2019	CW	SA	ALL	HIGH	NONE	29	29	19	551	RX7K
97	OL3W	2019	CW	SA	ALL	HIGH	NONE	28	28	19	532	OK5MM
98	G4RRM	2019	CW	SA	ALL	HIGH	NONE	19	19	11	209	G4RRM
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	LY5R	2019	CW	SA	LO-B	-	NONE	360	360	71	25.560	
2	R3ZZ	2019	CW	SA	LO-B	-	NONE	329	329	72	23.688	R3ZZ
3	LY2A	2019	CW	SA	LO-B	-	NONE	298	298	69	20.562	LY2KA
4	LY2MM	2019	CW	SA	LO-B	-	NONE	276	276	70	19.320	LY2MM
5	EU6RO	2019	CW	SA	LO-B	-	NONE	277	277	69	19.113	
6	LY5W	2019	CW	SA	LO-B	-	NONE	281	281	68	19.108	LY5W
7	LY5I	2019	CW	SA	LO-B	-	NONE	276	276	68	18.768	LY5I
8	HG0R	2019	CW	SA	LO-B	-	NONE	264	264	70	18.480	HA0NAR
9	DF1MM	2019	CW	SA	LO-B	-	NONE	267	267	68	18.156	DF1MM
10	DL3DTH	2019	CW	SA	LO-B	-	NONE	252	252	70	17.640	DL3DTH
11	EU8F	2019	CW	SA	LO-B	-	NONE	261	261	67	17.487	EU8F
12	LZ3ZZ	2019	CW	SA	LO-B	-	NONE	234	234	70	16.380	LZ3ZZ
13	EW1TZ	2019	CW	SA	LO-B	-	NONE	235	235	69	16.215	EW1TZ
14	LY2NY	2019	CW	SA	LO-B	-	NONE	232	232	67	15.544	LY2NY
15	UA1ANA	2019	CW	SA	LO-B	-	NONE	225	225	68	15.300	UA1ANA
16	9A1AA	2019	CW	SA	LO-B	-	NONE	213	213	71	15.123	
17	S51W	2019	CW	SA	LO-B	-	NONE	224	224	67	15.008	S51W
18	RM4W	2019	CW	SA	LO-B	-	NONE	221	221	67	14.807	
19	UV5QQ	2019	CW	SA	LO-B	-	NONE	222	222	64	14.208	
20	DQ600UNI	2019	CW	SA	LO-B	-	NONE	220	220	64	14.080	DL6KWN
21	DF3FS	2019	CW	SA	LO-B	-	NONE	204	204	67	13.668	DF3FS
22	E77EA	2019	CW	SA	LO-B	-	NONE	211	211	63	13.293	E77EA
23	DL5KUD	2019	CW	SA	LO-B	-	NONE	204	204	64	13.056	DL5KUD
24	SP2KAC	2019	CW	SA	LO-B	-	NONE	175	175	67	11.725	
25	R1AO	2019	CW	SA	LO-B	-	NONE	182	182	62	11.284	
26	UT3N	2019	CW	SA	LO-B	-	NONE	184	184	61	11.224	UT3NK
27	YL2TD	2019	CW	SA	LO-B	-	NONE	170	170	64	10.880	YL2TD

#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
28	US1VM	2019	CW	SA	LO-B	-	NONE	174	174	57	9.918	US1VM
29	SP2MHD	2019	CW	SA	LO-B	-	NONE	144	144	54	7.776	SP2MHD
30	SP2GCE	2019	CW	SA	LO-B	-	NONE	147	147	50	7.350	SP2GCE
31	ON5WL	2019	CW	SA	LO-B	-	NONE	134	134	54	7.236	ON5WL
32	EW8G	2019	CW	SA	LO-B	-	NONE	143	143	48	6.864	EW8G
33	LY2MC	2019	CW	SA	LO-B	-	NONE	123	123	55	6.765	LY2MC
34	DD7CW	2019	CW	SA	LO-B	-	NONE	130	130	49	6.370	DD7CW
35	OM6NM	2019	CW	SA	LO-B	-	NONE	97	97	58	5.626	OM6NM
36	SP7OGP	2019	CW	SA	LO-B	-	NONE	96	96	57	5.472	SP7OGP
37	S58Q	2019	CW	SA	LO-B	-	NONE	103	103	53	5.459	S58Q
38	DL8WAA	2019	CW	SA	LO-B	-	NONE	125	125	32	4.000	
39	RW4NN	2019	CW	SA	LO-B	-	NONE	85	85	44	3.740	
40	ES1TU	2019	CW	SA	LO-B	-	NONE	81	81	40	3.240	ES1TU
41	EW4R	2019	CW	SA	LO-B	-	NONE	71	71	41	2.911	EW4R
42	IK2WAD	2019	CW	SA	LO-B	-	NONE	80	80	29	2.320	IK2WAD
43	DL2DXA	2019	CW	SA	LO-B	-	NONE	68	68	33	2.244	
44	IK0TUM	2019	CW	SA	LO-B	-	NONE	43	43	31	1.333	
45	HA8TP	2019	CW	SA	LO-B	-	NONE	43	43	22	946	HA8TP
46	EW6F	2019	CW	SA	LO-B	-	NONE	39	39	24	936	EW6GF
47	RN2FQ	2019	CW	SA	LO-B	-	NONE	32	32	21	672	
48	ES4RD	2019	CW	SA	LO-B	-	NONE	30	30	18	540	ES4RD
49	S51DX	2019	CW	SA	LO-B	-	NONE	23	23	17	391	S51DX
50	DF6JC	2019	CW	SA	LO-B	-	NONE	37	37	9	333	
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	9A3SMS	2019	CW	SA	ALL	LOW	NONE	555	555	148	82.140	
2	R3QA	2019	CW	SA	ALL	LOW	NONE	474	474	155	73.470	R3QA
3	EN5V	2019	CW	SA	ALL	LOW	NONE	496	496	144	71.424	UX1VT
4	Z33C	2019	CW	SA	ALL	LOW	NONE	513	513	138	70.794	
5	LZ1ZM	2019	CW	SA	ALL	LOW	NONE	492	492	143	70.356	LZ1ZM
6	YO4NF	2019	CW	SA	ALL	LOW	NONE	488	488	140	68.320	YO4NF
7	RU4SO	2019	CW	SA	ALL	LOW	NONE	437	437	139	60.743	RU4SO
8	UR6EA	2019	CW	SA	ALL	LOW	NONE	417	417	136	56.712	UR6EA
9	UR7MZ	2019	CW	SA	ALL	LOW	NONE	391	391	144	56.304	
10	YO5AVN	2019	CW	SA	ALL	LOW	NONE	451	451	119	53.669	YO5AVN
11	LZ1QV	2019	CW	SA	ALL	LOW	NONE	398	398	130	51.740	LZ1QV
12	DR7T	2019	CW	SA	ALL	LOW	NONE	373	373	131	48.863	DR7T
13	R7CT	2019	CW	SA	ALL	LOW	NONE	367	367	130	47.710	R7CT
14	RU4LM	2019	CW	SA	ALL	LOW	NONE	378	378	113	42.714	RU4LM
15	SP9H	2019	CW	SA	ALL	LOW	NONE	360	360	117	42.120	SP9H
16	UR3VKR	2019	CW	SA	ALL	LOW	NONE	300	300	132	39.600	UR3VKR
17	UT3EK	2019	CW	SA	ALL	LOW	NONE	304	304	128	38.912	UT3EK

#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
18	UT3UCP	2019	CW	SA	ALL	LOW	NONE	329	329	111	36.519	UT3UCP
19	UW5Q	2019	CW	SA	ALL	LOW	NONE	300	300	117	35.100	UR3QCW
20	UC5D	2019	CW	SA	ALL	LOW	NONE	279	279	123	34.317	UC5D
21	PC3T	2019	CW	SA	ALL	LOW	NONE	288	288	119	34.272	
22	LY4ZZ	2019	CW	SA	ALL	LOW	NONE	329	329	104	34.216	LY2BMX
23	EA5FR	2019	CW	SA	ALL	LOW	NONE	293	293	114	33.402	EA5FR
24	LZ7DX	2019	CW	SA	ALL	LOW	NONE	317	317	105	33.285	LZ7DX
25	R6CC	2019	CW	SA	ALL	LOW	NONE	297	297	109	32.373	
26	UW1WU	2019	CW	SA	ALL	LOW	NONE	285	285	111	31.635	UW1WU
27	SN1T	2019	CW	SA	ALL	LOW	NONE	279	279	113	31.527	SP1NQN
28	RN3S	2019	CW	SA	ALL	LOW	NONE	258	258	120	30.960	
29	UW8SM	2019	CW	SA	ALL	LOW	NONE	297	297	104	30.888	UW8SM
30	HB9CIC	2019	CW	SA	ALL	LOW	NONE	294	294	105	30.870	HB9CIC
31	OL6D	2019	CW	SA	ALL	LOW	NONE	297	297	103	30.591	OL6D
32	IK3XJP	2019	CW	SA	ALL	LOW	NONE	256	256	119	30.464	
33	DL9FBF	2019	CW	SA	ALL	LOW	NONE	247	247	121	29.887	DL9FBF
34	UY5ZI	2019	CW	SA	ALL	LOW	NONE	252	252	117	29.484	UY5ZI
35	LZ2PS	2019	CW	SA	ALL	LOW	NONE	294	294	96	28.224	LZ2PS
36	UA3PI	2019	CW	SA	ALL	LOW	NONE	261	261	107	27.927	
37	OK4DZ	2019	CW	SA	ALL	LOW	NONE	260	260	107	27.820	OK4DZ
38	DM3PKK	2019	CW	SA	ALL	LOW	NONE	253	253	108	27.324	DM3PKK
39	UA6LCJ	2019	CW	SA	ALL	LOW	NONE	271	271	98	26.558	UA6LCJ
40	RW4WA	2019	CW	SA	ALL	LOW	NONE	234	234	110	25.740	RW4WA
41	UA6YH	2019	CW	SA	ALL	LOW	NONE	256	256	96	24.576	UA6YH
42	IN3FHE	2019	CW	SA	ALL	LOW	NONE	263	263	93	24.459	
43	9A7R	2019	CW	SA	ALL	LOW	NONE	293	293	83	24.319	9A7R
44	IZ8EFD	2019	CW	SA	ALL	LOW	NONE	308	308	76	23.408	
45	RK2M	2019	CW	SA	ALL	LOW	NONE	212	212	104	22.048	RK2M
46	UA6AA	2019	CW	SA	ALL	LOW	NONE	244	244	84	20.496	UA6AA
47	DJ1OJ	2019	CW	SA	ALL	LOW	NONE	218	218	94	20.492	DJ1OJ
48	LY7W	2019	CW	SA	ALL	LOW	NONE	221	221	92	20.332	LY2NZ
49	UA3LID	2019	CW	SA	ALL	LOW	NONE	247	247	81	20.007	UA3LID
50	UG4A	2019	CW	SA	ALL	LOW	NONE	227	227	85	19.295	UG4A
51	DL1RNN	2019	CW	SA	ALL	LOW	NONE	209	209	91	19.019	DL1RNN
52	G3RLE	2019	CW	SA	ALL	LOW	NONE	209	209	90	18.810	G3RLE
53	UR4CU	2019	CW	SA	ALL	LOW	NONE	172	172	101	17.372	UR4CU
54	OK2BFN	2019	CW	SA	ALL	LOW	NONE	193	193	85	16.405	
55	YL3GQ	2019	CW	SA	ALL	LOW	NONE	198	198	82	16.236	YL3GQ
56	SP2MKT	2019	CW	SA	ALL	LOW	NONE	196	196	80	15.680	SP2MKT
57	UT4LW	2019	CW	SA	ALL	LOW	NONE	217	217	70	15.190	UT4LW
58	LZ1QZ	2019	CW	SA	ALL	LOW	NONE	176	176	86	15.136	LZ1QZ

#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
59	SP2MKI	2019	CW	SA	ALL	LOW	NONE	204	204	74	15.096	SP2MKI
60	PA0JLS	2019	CW	SA	ALL	LOW	NONE	184	184	81	14.904	PA0JLS
61	UR7EC	2019	CW	SA	ALL	LOW	NONE	156	156	92	14.352	UR7EC
62	EA1WH	2019	CW	SA	ALL	LOW	NONE	206	206	69	14.214	EA1WH
63	PC1PM	2019	CW	SA	ALL	LOW	NONE	170	170	81	13.770	PC1PM
64	PC5Q	2019	CW	SA	ALL	LOW	NONE	196	196	70	13.720	PC5Q
65	ON4KNP	2019	CW	SA	ALL	LOW	NONE	183	183	74	13.542	N1MM
66	PG2AA	2019	CW	SA	ALL	LOW	NONE	160	160	84	13.440	PG2AA
67	IV3FPX	2019	CW	SA	ALL	LOW	NONE	188	188	71	13.348	IV3FPX
68	HG8C	2019	CW	SA	ALL	LOW	NONE	176	176	73	12.848	HG8C
69	R3GM	2019	CW	SA	ALL	LOW	NONE	151	151	77	11.627	R3GM
70	DL2SWR	2019	CW	SA	ALL	LOW	NONE	145	145	78	11.310	
71	YL5T	2019	CW	SA	ALL	LOW	NONE	166	166	63	10.458	YL3DQ
72	RW3VM	2019	CW	SA	ALL	LOW	NONE	155	155	62	9.610	RW3VM
73	S59AA	2019	CW	SA	ALL	LOW	NONE	110	110	81	8.910	S59AA
74	R4WT	2019	CW	SA	ALL	LOW	NONE	132	132	64	8.448	R4WT
75	S52AW	2019	CW	SA	ALL	LOW	NONE	145	145	57	8.265	S52AW
76	UA4FDL	2019	CW	SA	ALL	LOW	NONE	121	121	68	8.228	UA4FDL
77	YT5N	2019	CW	SA	ALL	LOW	NONE	110	110	74	8.140	YU7AF
78	F4HMX	2019	CW	SA	ALL	LOW	NONE	146	146	54	7.884	F4HMX
79	DL4DRW	2019	CW	SA	ALL	LOW	NONE	106	106	71	7.526	
80	LZ3R	2019	CW	SA	ALL	LOW	NONE	140	140	53	7.420	LZ3R
81	RJ7M	2019	CW	SA	ALL	LOW	NONE	124	124	58	7.192	RJ7M
82	EI8JX	2019	CW	SA	ALL	LOW	NONE	126	126	56	7.056	EI8JX
83	IT9CHU	2019	CW	SA	ALL	LOW	NONE	159	159	43	6.837	
84	R3RK	2019	CW	SA	ALL	LOW	NONE	119	119	56	6.664	R3RK
85	DL9LM	2019	CW	SA	ALL	LOW	NONE	120	120	54	6.480	DL9LM
86	DL5SDN	2019	CW	SA	ALL	LOW	NONE	112	112	54	6.048	
87	DF4XF	2019	CW	SA	ALL	LOW	NONE	96	96	62	5.952	DF4XF
88	UR3PA	2019	CW	SA	ALL	LOW	NONE	104	104	57	5.928	UR3PA
89	OK4FF	2019	CW	SA	ALL	LOW	NONE	101	101	58	5.858	OK4FF
90	E72U	2019	CW	SA	ALL	LOW	NONE	96	96	59	5.664	E72U
91	DM2RN	2019	CW	SA	ALL	LOW	NONE	103	103	50	5.150	DM2RN
92	IK4OMU	2019	CW	SA	ALL	LOW	NONE	109	109	47	5.123	IK4OMU
93	PA2TA	2019	CW	SA	ALL	LOW	NONE	100	100	51	5.100	PA2TA
94	RK6HG	2019	CW	SA	ALL	LOW	NONE	119	119	41	4.879	
95	IV3HAX	2019	CW	SA	ALL	LOW	NONE	81	81	60	4.860	IV3HAX
96	DK5TX	2019	CW	SA	ALL	LOW	NONE	91	91	53	4.823	DK5TX
97	SP9JZT	2019	CW	SA	ALL	LOW	NONE	135	135	35	4.725	SP9JZT
98	UY2IG	2019	CW	SA	ALL	LOW	NONE	127	127	37	4.699	UY2IG
99	SO5WD	2019	CW	SA	ALL	LOW	NONE	88	88	53	4.664	SO5WD

#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
100	S56A	2019	CW	SA	ALL	LOW	NONE	86	86	54	4.644	S56A
101	9A3LG	2019	CW	SA	ALL	LOW	NONE	130	130	35	4.550	9A3LG
102	YL2NK	2019	CW	SA	ALL	LOW	NONE	100	100	45	4.500	YL2NK
103	PA3HCC	2019	CW	SA	ALL	LOW	NONE	96	96	45	4.320	PA3HCC
104	DL1CW	2019	CW	SA	ALL	LOW	NONE	105	105	41	4.305	DL1CW
105	PA7RA	2019	CW	SA	ALL	LOW	NONE	83	83	48	3.984	PA7RA
106	EA2HW	2019	CW	SA	ALL	LOW	NONE	75	75	47	3.525	EA2HW
107	SV1JFL	2019	CW	SA	ALL	LOW	NONE	84	84	40	3.360	
108	PG5V	2019	CW	SA	ALL	LOW	NONE	76	76	42	3.192	
109	IW2FUT	2019	CW	SA	ALL	LOW	NONE	69	69	46	3.174	IW2FUT
110	UZ1WW	2019	CW	SA	ALL	LOW	NONE	66	66	41	2.706	UZ1WW
111	R3AIR	2019	CW	SA	ALL	LOW	NONE	64	64	42	2.688	R3AIR
112	DL6GCE	2019	CW	SA	ALL	LOW	NONE	64	64	42	2.688	DL6GCE
113	R6KEE	2019	CW	SA	ALL	LOW	NONE	65	65	37	2.405	R6KEE
114	G4PVM	2019	CW	SA	ALL	LOW	NONE	62	62	38	2.356	G4PVM
115	RA3RLJ	2019	CW	SA	ALL	LOW	NONE	81	81	29	2.349	RA3RLJ
116	HA8TKS	2019	CW	SA	ALL	LOW	NONE	77	77	30	2.310	
117	PE1HWO	2019	CW	SA	ALL	LOW	NONE	53	53	41	2.173	
118	R5GR	2019	CW	SA	ALL	LOW	NONE	54	54	38	2.052	R5GR
119	MM2T	2019	CW	SA	ALL	LOW	NONE	64	64	32	2.048	MM2T
120	RA3AN	2019	CW	SA	ALL	LOW	NONE	55	55	37	2.035	RA3AN
121	EA5DO	2019	CW	SA	ALL	LOW	NONE	69	69	27	1.863	EA5DO
122	DK2RO	2019	CW	SA	ALL	LOW	NONE	53	53	34	1.802	
123	PE5O	2019	CW	SA	ALL	LOW	NONE	50	50	35	1.750	PE5O
124	OK1SI	2019	CW	SA	ALL	LOW	NONE	54	54	28	1.512	OK1SI
125	RT5Q	2019	CW	SA	ALL	LOW	NONE	52	52	29	1.508	
126	G3VQO	2019	CW	SA	ALL	LOW	NONE	56	56	26	1.456	G3VQO
127	RA3UAG	2019	CW	SA	ALL	LOW	NONE	40	40	33	1.320	RA3UAG
128	PG6F	2019	CW	SA	ALL	LOW	NONE	47	47	28	1.316	PA0GRU
129	G3KNU	2019	CW	SA	ALL	LOW	NONE	43	43	28	1.204	G3KNU
130	M0SEV	2019	CW	SA	ALL	LOW	NONE	43	43	25	1.075	M0SEV
131	IC8FBU	2019	CW	SA	ALL	LOW	NONE	41	41	24	984	IC8FBU
132	PD0JMH	2019	CW	SA	ALL	LOW	NONE	45	45	21	945	PD0JMH
133	EC5AGM	2019	CW	SA	ALL	LOW	NONE	32	32	26	832	EC5AGM
134	OO9O	2019	CW	SA	ALL	LOW	NONE	36	36	21	756	OO9O
135	DK8XX	2019	CW	SA	ALL	LOW	NONE	29	29	25	725	DK8XX
136	SP6JQC	2019	CW	SA	ALL	LOW	NONE	29	29	19	551	
137	SV9RNG	2019	CW	SA	ALL	LOW	NONE	31	31	17	527	SV9RNG
138	HA4AA	2019	CW	SA	ALL	LOW	NONE	21	21	19	399	HA4AA
139	G7TWC	2019	CW	SA	ALL	LOW	NONE	21	21	17	357	G7TWC
140	IU0KTT	2019	CW	SA	ALL	LOW	NONE	20	20	16	320	IU0KTT

#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
141	G3RTU	2019	CW	SA	ALL	LOW	NONE	16	16	13	208	G3RTU
142	UW3HM	2019	CW	SA	ALL	LOW	NONE	16	16	12	192	UW3HM
143	LY5XX	2019	CW	SA	ALL	LOW	NONE	11	11	11	121	
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	RD3ARU	2019	CW	SA	ALL	QRP	NONE	395	395	136	53.720	RD3ARU
2	MM3AWD	2019	CW	SA	ALL	QRP	NONE	357	357	117	41.769	MM3AWD
3	HA3HX	2019	CW	SA	ALL	QRP	NONE	187	187	82	15.334	HA3HX
4	YU1LM	2019	CW	SA	ALL	QRP	NONE	135	135	71	9.585	
5	RU6YJ	2019	CW	SA	ALL	QRP	NONE	124	124	58	7.192	RU6YJ
6	SP3JUN	2019	CW	SA	ALL	QRP	NONE	109	109	55	5.995	SP3JUN
7	PA0VLA	2019	CW	SA	ALL	QRP	NONE	95	95	57	5.415	PA0VLA
8	YO9AGI	2019	CW	SA	ALL	QRP	NONE	102	102	46	4.692	YO9AGI
9	PA0INA	2019	CW	SA	ALL	QRP	NONE	93	93	49	4.557	PA0INA
10	HA4FY	2019	CW	SA	ALL	QRP	NONE	106	106	33	3.498	HA4FY
11	OM3WZ	2019	CW	SA	ALL	QRP	NONE	69	69	42	2.898	OM3WZ
12	9A6TT	2019	CW	SA	ALL	QRP	NONE	60	60	34	2.040	9A6TT
13	IW3ILM	2019	CW	SA	ALL	QRP	NONE	64	64	28	1.792	IW3ILM
14	DF3IAL	2019	CW	SA	ALL	QRP	NONE	40	40	26	1.040	SM6CNN
15	2E0FFT	2019	CW	SA	ALL	QRP	NONE	29	29	25	725	2E0FFT
16	RA3DJA	2019	CW	SA	ALL	QRP	NONE	32	32	21	672	
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	IQ2MG	2019	CW	M-1	ALL	-	NONE	414	414	136	56.304	I2GPT IK2CKR IZ2BKP IZ2FLX
2	9A7T	2019	CW	M-1	ALL	-	NONE	388	388	129	50.052	9A5MR 9A4OP
3	UF5D	2019	CW	M-1	ALL	-	NONE	358	358	133	47.614	RA1ZZ RT2D
4	HG7T	2019	CW	M-1	ALL	-	NONE	374	374	122	45.628	HA5CAR HA7TM
5	YP5A	2019	CW	M-1	ALL	-	NONE	366	366	117	42.822	YO5CBX YO5OLD
6	RK4HYT	2019	CW	M-1	ALL	-	NONE	282	282	99	27.918	
7	UW6M	2019	CW	M-1	ALL	-	NONE	194	194	85	16.490	UY7MF UR2MR UR3MP US2MT
8	LZ1MC	2019	CW	M-1	ALL	-	NONE	170	170	79	13.430	LZ1MC LZ1FH LZ2GS
9	UT7AXA	2019	CW	M-1	ALL	-	NONE	84	84	46	3.864	UR2AM UR5AU
10	OK1OFM	2019	CW	M-1	ALL	-	NONE	54	54	54	2.916	
11	UR4PWC	2019	CW	M-1	ALL	-	NONE	44	44	23	1.012	US1PAA. UT4PZ.

Checklogs: DD2CW, DF7CB, DL0TDS, DL1LZ, DL2BQV, DL2RTJ, DL5AXX, DL5JS, DL6KVA, DL7USW/P, DL9GFB, E71CQ, EA1NL, EA2AZ, EC5CR, GOJSP , HA0GK, HA1DAE, HB9DUR, LY4G, LY7M, LY8A, LZ2HR, LZ5XQ, M5M, MM0HOM,

MM2N, MM3N, OK1MP, OK2SG, OK2ZW, OK7RJ, OP4A, PD7RB, PG7V, R6GE, R6YY, R7TW, RK1F, RL3T, RM1T, RX6AM, S53ZO, SO3O, SP2HMY, UA4PAQ, US5EEK, UT5PY, UT7LW, YL2JZ, YL3GU, YO6FGZ, YO7CW, YT6W

Results SAC CW 2019 NORTH AMERICA

#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	K8MFO	2019	CW	SO	ALL	HIGH	NONE	202	334	78	26.052	K8MFO
2	K3ZO	2019	CW	SO	ALL	HIGH	NONE	166	312	67	20.904	
3	WX4G	2019	CW	SO	ALL	HIGH	NONE	174	244	67	16.348	WX4G
4	K3UL	2019	CW	SO	ALL	HIGH	NONE	140	190	56	10.640	K3UL
5	N4CW	2019	CW	SO	ALL	HIGH	NONE	131	177	54	9.558	N4CW
6	N5AW	2019	CW	SO	ALL	HIGH	NONE	94	128	42	5.376	
7	KU8E	2019	CW	SO	ALL	HIGH	NONE	66	112	42	4.704	KU8E
8	K4BAI	2019	CW	SO	ALL	HIGH	NONE	85	93	37	3.441	K4BAI
9	K1LZ	2019	CW	SO	ALL	HIGH	NONE	78	78	32	2.496	
10	K6NA	2019	CW	SO	ALL	HIGH	NONE	44	66	26	1.716	K6NA
11	N6AA	2019	CW	SO	ALL	HIGH	NONE	35	57	26	1.482	
12	N0AT	2019	CW	SO	ALL	HIGH	NONE	31	31	18	558	N0AT
13	N2ZN	2019	CW	SO	ALL	HIGH	NONE	26	30	17	510	N2ZN
14	N0KE	2019	CW	SO	ALL	HIGH	NONE	18	26	14	364	N0KE AD0LI
15	K8MR	2019	CW	SO	ALL	HIGH	NONE	13	17	12	204	K8MR
16	VE7JH	2019	CW	SO	ALL	HIGH	NONE	13	13	9	117	VE7JH
17	K0ZX	2019	CW	SO	ALL	HIGH	NONE	10	10	8	80	K0ZX
18	N1NN	2019	CW	SO	ALL	HIGH	NONE	5	5	5	25	N1NN
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	VE3DZ	2019	CW	SO	ALL	LOW	NONE	108	130	46	5.980	VE3DZ
2	N8II	2019	CW	SO	ALL	LOW	NONE	96	116	40	4.640	N8II
3	VE1RSM	2019	CW	SO	ALL	LOW	NONE	46	68	29	1.972	VE1RSM
4	N7ZZ	2019	CW	SO	ALL	LOW	NONE	52	52	25	1.300	N7ZZ
5	HI8A	2019	CW	SO	ALL	LOW	NONE	31	53	21	1.113	HI8A
6	VE3VN	2019	CW	SO	ALL	LOW	NONE	41	43	24	1.032	VE3VN
7	VE3TM	2019	CW	SO	ALL	LOW	NONE	31	31	21	651	VE3TM
8	W9RE	2019	CW	SO	ALL	LOW	NONE	25	25	17	425	W9RE
9	N1DC	2019	CW	SO	ALL	LOW	NONE	11	25	10	250	N1DC
10	VE3AYR	2019	CW	SO	ALL	LOW	NONE	15	15	13	195	VE3AYR @VE3AYR
11	K8MM	2019	CW	SO	ALL	LOW	NONE	15	15	12	180	K8MM
12	HP1AC	2019	CW	SO	ALL	LOW	NONE	8	12	8	96	
13	VA3EC	2019	CW	SO	ALL	LOW	NONE	7	7	7	49	VA3EC
14	N3GD	2019	CW	SO	ALL	LOW	NONE	6	8	6	48	N3GD
15	WT8P	2019	CW	SO	ALL	LOW	NONE	5	5	4	20	
16	W8TB	2019	CW	SO	ALL	LOW	NONE	5	5	4	20	W8TB

#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
17	CO8ZZ	2019	CW	SO	ALL	LOW	NONE	3	3	3	9	CO8ZZ
1	K3TW	2019	CW	SO	ALL	QRP	NONE	34	34	19	646	K3TW
2	K8ZT	2019	CW	SO	ALL	QRP	NONE	0	0	0	0	K8ZT
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	W1KM	2019	CW	SA	ALL	HIGH	NONE	146	298	80	23.840	W1KM
2	AB3CX	2019	CW	SA	ALL	HIGH	NONE	187	275	73	20.075	AB3CX
3	K5KG	2019	CW	SA	ALL	HIGH	NONE	153	249	67	16.683	K5KG
4	K3WW	2019	CW	SA	ALL	HIGH	NONE	166	224	61	13.664	K3WW
5	N3RD	2019	CW	SA	ALL	HIGH	NONE	156	196	57	11.172	N3RD
6	K3WI	2019	CW	SA	ALL	HIGH	NONE	131	155	48	7.440	K3WI
7	N4BP	2019	CW	SA	ALL	HIGH	NONE	152	158	40	6.320	N4BP
8	N3AM	2019	CW	SA	ALL	HIGH	NONE	92	122	42	5.124	N3AM
9	K9NW	2019	CW	SA	ALL	HIGH	NONE	113	121	40	4.840	K9NW
10	N0AV	2019	CW	SA	ALL	HIGH	NONE	95	109	40	4.360	N0AV
11	N3UA	2019	CW	SA	ALL	HIGH	NONE	114	114	35	3.990	N3UA
12	W9ILY	2019	CW	SA	ALL	HIGH	NONE	107	107	36	3.852	W9ILY
13	VO1MP	2019	CW	SA	ALL	HIGH	NONE	61	81	43	3.483	VO1MP
14	K8AJS	2019	CW	SA	ALL	HIGH	NONE	99	99	35	3.465	K8AJS
15	N8BJQ	2019	CW	SA	ALL	HIGH	NONE	92	92	33	3.036	N8BJQ
16	W2CDO	2019	CW	SA	ALL	HIGH	NONE	82	84	34	2.856	W2CDO
17	VA2WA	2019	CW	SA	ALL	HIGH	NONE	71	73	38	2.774	VA2WA
18	VE5MX	2019	CW	SA	ALL	HIGH	NONE	83	83	32	2.656	VE5MX
19	VE2FK	2019	CW	SA	ALL	HIGH	NONE	77	79	30	2.370	VE2FK
20	N4QS	2019	CW	SA	ALL	HIGH	NONE	69	79	30	2.370	N4QS
21	K4RUM	2019	CW	SA	ALL	HIGH	NONE	70	76	31	2.356	K4RUM
22	K3WJV	2019	CW	SA	ALL	HIGH	NONE	64	64	28	1.792	K3WJV
23	ND9G	2019	CW	SA	ALL	HIGH	NONE	63	63	28	1.764	ND9G
24	K8LX	2019	CW	SA	ALL	HIGH	NONE	65	65	27	1.755	K8LX
25	N6WM	2019	CW	SA	ALL	HIGH	NONE	36	52	30	1.560	N6WM
26	K3IE	2019	CW	SA	ALL	HIGH	NONE	48	50	26	1.300	K3IE
27	VE9OA	2019	CW	SA	ALL	HIGH	NONE	45	53	24	1.272	VE9OA
28	N5ZO	2019	CW	SA	ALL	HIGH	NONE	42	52	23	1.196	N5ZO
29	W7CT	2019	CW	SA	ALL	HIGH	NONE	42	48	19	912	W7CT
30	K9MA	2019	CW	SA	ALL	HIGH	NONE	33	39	20	780	K9MA
31	K2MK	2019	CW	SA	ALL	HIGH	NONE	33	33	22	726	K2MK
32	K4NMR	2019	CW	SA	ALL	HIGH	NONE	22	22	17	374	K4NMR
33	NO2C	2019	CW	SA	ALL	HIGH	NONE	21	21	15	315	NO2C
34	K3OQ	2019	CW	SA	ALL	HIGH	NONE	16	16	14	224	K3OQ
35	N5RZ	2019	CW	SA	ALL	HIGH	NONE	14	18	9	162	N5RZ

#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
36	W7ZR	2019	CW	SA	ALL	HIGH	NONE	12	12	11	132	W7ZR
37	KY7M	2019	CW	SA	ALL	HIGH	NONE	11	13	8	104	KY7M
38	N0KQ	2019	CW	SA	ALL	HIGH	NONE	3	3	2	6	N0KQ
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	VE9CB	2019	CW	SA	LO-B	-	NONE	6	18	6	108	VE9CB
2	W3AKD	2019	CW	SA	LO-B	-	NONE	5	15	5	75	W3AKD
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	AA2A	2019	CW	SA	ALL	LOW	NONE	233	425	94	39.950	N2KW
2	KS1J	2019	CW	SA	ALL	LOW	NONE	94	108	39	4.212	KS1J
3	N5JR	2019	CW	SA	ALL	LOW	NONE	64	74	35	2.590	N5JR
4	W4AAW	2019	CW	SA	ALL	LOW	NONE	52	52	26	1.352	W4AAW
5	N9CK	2019	CW	SA	ALL	LOW	NONE	52	52	23	1.196	N9CK
6	K1SX	2019	CW	SA	ALL	LOW	NONE	21	25	16	400	K1SX
7	K1NZ	2019	CW	SA	ALL	LOW	NONE	14	16	13	208	K1NZ
8	NJ4Q	2019	CW	SA	ALL	LOW	NONE	9	9	8	72	NJ4Q
9	W1ARY	2019	CW	SA	ALL	LOW	NONE	4	8	4	32	W1ARY
10	K4VBM	2019	CW	SA	ALL	LOW	NONE	1	1	1	1	K4VBM
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	KI4MZC	2019	CW	SA	ALL	QRP	NONE	3	3	3	9	KI4MZC
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	KC1XX	2019	CW	M-1	ALL	-	NONE	199	301	78	23.478	WA1Z K1GQ NF1H KC1XX
2	N1SOH	2019	CW	M-1	ALL	-	NONE	68	76	35	2.660	N1SOH W1FM
3	HQ9X	2019	CW	M-1	ALL	-	NONE	11	23	11	253	W1UE SP4Z LZ5VV

Checklogs: AC2OC, HR9/SP4Z

Results SAC CW 2019 SOUTH AMERICA

#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	PY1AX	2019	CW	SO	ALL	LOW	NONE	31	31	15	465	PY1AX
2	PT9DX	2019	CW	SO	ALL	LOW	NONE	7	7	6	42	PT9DX
3	PY4ARS	2019	CW	SO	ALL	LOW	NONE	0	0	0	0	
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	YV4ABR	2019	CW	SA	ALL	HIGH	NONE	28	84	22	1.848	YV4ABR
2	PY5AMF	2019	CW	SA	ALL	HIGH	NONE	43	43	25	1.075	PY5AMF
3	PY4HO	2019	CW	SA	ALL	HIGH	NONE	35	47	22	1.034	PY4HO
4	PY1VOY	2019	CW	SA	ALL	HIGH	NONE	29	29	17	493	PY1VOY
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	PY2KJ	2019	CW	SA	LO-B	-	NONE	33	99	21	2.079	PY2KJ
2	PY4XX	2019	CW	SA	LO-B	-	NONE	20	60	12	720	PY4XX
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	PU4GOD	2019	CW	SA	ALL	LOW	NONE	9	15	8	120	PU4GOD
2	PY2UDB	2019	CW	SA	ALL	LOW	NONE	6	6	6	36	PY2UDB

Checklogs: PY1NP

Results SAC CW 2019 OCEANIA

#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	ZL2AGY	2019	CW	SO	ALL	HIGH	NONE	68	166	38	6.308	
2	VK3GK	2019	CW	SO	ALL	HIGH	NONE	2	2	2	4	VK3GK
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	YC4HQ	2019	CW	SO	ALL	LOW	NONE	49	65	29	1.885	YC4HQ
2	VK2IG	2019	CW	SO	ALL	LOW	NONE	11	33	9	297	VK2IG
3	YC3DXG	2019	CW	SO	ALL	LOW	NONE	1	1	1	1	YC3DXG
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	YB0ANN	2019	CW	SO	ALL	QRP	NONE	4	12	4	48	
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	ZM4G	2019	CW	SA	ALL	HIGH	NONE	65	195	31	6.045	ZL2IFB
2	VK2OXZ	2019	CW	SA	ALL	HIGH	NONE	5	5	5	25	VK2KJJ
#	CALL	YEAR	MODE	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT.	SCORE	OPERATOR
1	ZL3PAH	2019	CW	SA	LO-B	-	NONE	33	99	21	2.079	ZL3PAH



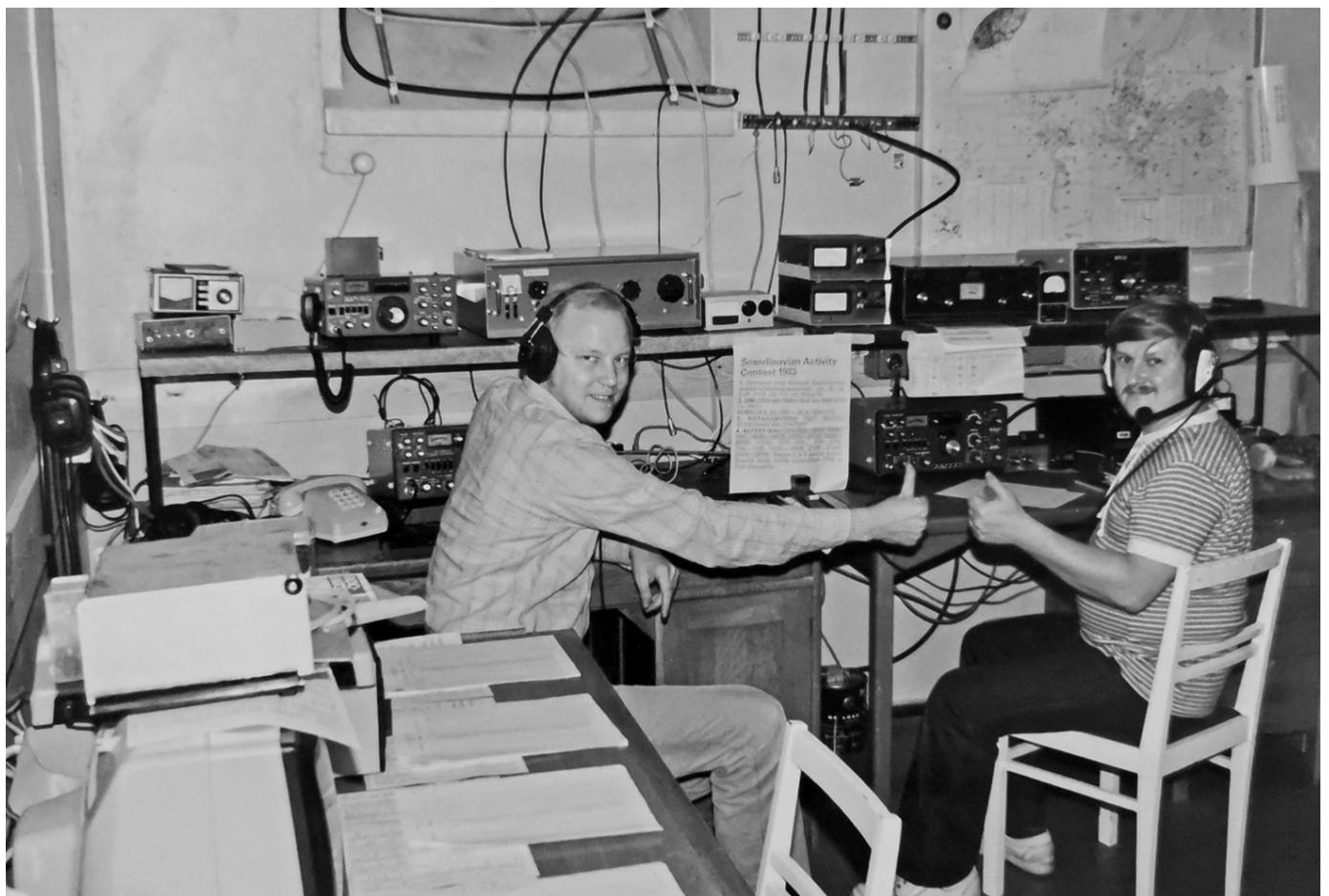
OH2KW 1977

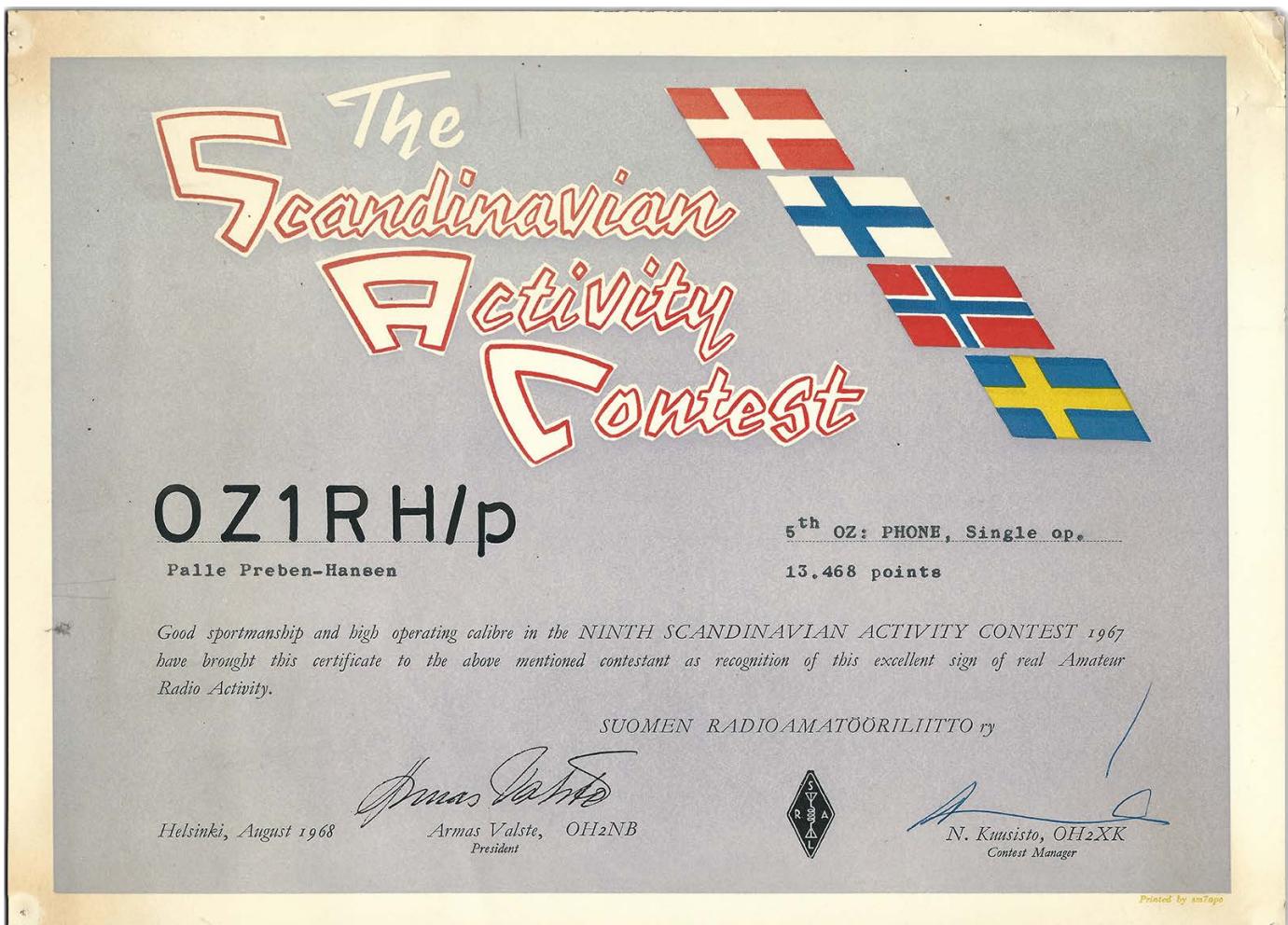


Hi

Maybe 197* or 198* OH2AQ (later OH9W) preparing for SAC by OH2BUQ (-2KW) and OH2BCI (OG9W). Computer already in use: QSOs were fed from log to Luxor ABC80:lle finding at least dupes, maybe multipliers and points too?

t Tomi





OH1TX 1959



OH1TX Cubical Quad antenna and active in the SAC 1959

OZ8SW: SAC 1964

My first participation in SAC Sep 19 1964

TX: X numbers of 3562 and EL41 (5 watts out)

Apparently I became no. 19 out of 21 Danish participants.

Pure nostalgia for me. Got my license in Dec. 1962 and it was my third contest.

Here you see some of my log.

Date	Time	Station	afsendt	mottaget	Clean QSL
19 Lørd.	16 ⁴⁵	SP1K7W	569001	599001	SP
-	53	OK18G	569002	569004	OK
-	57	DM2AIC	569003	579004	DM *
-	17 ⁴⁵	SP24V	579004	559021	
-	50	UP2KEF	579005	569017	UP
-	18 ¹⁴	UP2OM	579006	569020	
-	27	DM2AC	579007	569008i	DM2AC!! *
-	20 ⁵⁵	OK2KOS	569008	5C9181	
-	21 ⁰⁰	VA1KBB	579009	579124	VA1
- ?	23 ⁵⁶	VA1DH	579010	469029	
- ?	24 ⁵⁶	VA0KFG/VA3	579011	589064	
- ?	103	VR2NN	579012	579088	VR2 *
SAC test 19 sep CW				144 points	
1964				80mW	
nr 19					
21 deltagere !! ?					
8 22 ³⁰	pm	5 0 4 now names. w3	- - -	vie	02

Results SAC SSB 2019 SCANDINAVIA

#	CALL	YEAR	MOD	CLAS	BAND	POWER	O-LAY	QSO	POINT	MULT	SCORE	OPERATOR
1	OH8X	2019	SSB	SO	ALL	HIGH	NONE	1448	3.191	192	612.672	OH6UM
2	OG7A	2019	SSB	SO	ALL	HIGH	NONE	1411	3.150	175	551.250	OH6MW
3	OG2B	2019	SSB	SO	ALL	HIGH	NONE	1326	2.921	175	511.175	OH2GEK
4	SD2M	2019	SSB	SO	ALL	HIGH	NONE	1092	2.372	155	367.660	SM2UVU
5	SE0X	2019	SSB	SO	ALL	HIGH	NONE	993	2.191	163	357.133	SM0MDG
6	OZ4MD	2019	SSB	SO	ALL	HIGH	NONE	835	1.895	145	274.775	OZ4MD
7	SE5E	2019	SSB	SO	ALL	HIGH	NONE	749	1.716	131	224.796	SM5AJV
8	OH1VR	2019	SSB	SO	ALL	HIGH	NONE	729	1.579	135	213.165	OH1VR
9	OH4BCS	2019	SSB	SO	ALL	HIGH	NONE	628	1.323	135	178.605	OH1ZAA
10	OH2BLV	2019	SSB	SO	ALL	HIGH	NONE	646	1.353	119	161.007	OH2BLV
11	SF4D	2019	SSB	SO	ALL	HIGH	NONE	600	1.332	119	158.508	SM4LMV
12	OH3JR	2019	SSB	SO	ALL	HIGH	NONE	513	1.105	119	131.495	
13	OH1RX	2019	SSB	SO	ALL	HIGH	NONE	487	1.078	104	112.112	
14	SK2AU	2019	SSB	SO	ALL	HIGH	NONE	429	956	98	93.688	SM2ILF
15	OH7KBF	2019	SSB	SO	ALL	HIGH	NONE	490	1.014	79	80.106	OH7KBF
16	OV9M	2019	SSB	SO	ALL	HIGH	WIRE	396	829	82	67.978	DF9TM
17	OH2XX	2019	SSB	SO	ALL	HIGH	NONE	267	583	89	51.887	
18	OH2PM	2019	SSB	SO	ALL	HIGH	NONE	295	670	72	48.240	
19	OH4UI	2019	SSB	SO	ALL	HIGH	NONE	301	656	72	47.232	
20	SM7DQV	2019	SSB	SO	ALL	HIGH	NONE	249	543	86	46.698	SM7DQV
21	OH1X	2019	SSB	SO	ALL	HIGH	NONE	282	591	71	41.961	OH3WW
22	OH2LH	2019	SSB	SO	ALL	HIGH	WIRE	268	548	71	38.908	OH2LH
23	SG0M	2019	SSB	SO	ALL	HIGH	TB-W	241	520	73	37.960	SA0AQ
24	SM6NT	2019	SSB	SO	ALL	HIGH	NONE	272	564	66	37.224	SM6NT
25	LA9BM	2019	SSB	SO	ALL	HIGH	NONE	245	499	65	32.435	LA9BM
26	SM5B	2019	SSB	SO	ALL	HIGH	TB-W	205	439	69	30.291	SM5EMR
27	OH8WW	2019	SSB	SO	ALL	HIGH	NONE	220	487	62	30.194	OH8WW
28	OZ5L	2019	SSB	SO	ALL	HIGH	NONE	207	441	64	28.224	OZ5L
29	SF7U	2019	SSB	SO	ALL	HIGH	NONE	243	507	53	26.871	SM7SLU
30	SD7X	2019	SSB	SO	ALL	HIGH	WIRE	200	411	57	23.427	SA7AJC
31	OH2KA	2019	SSB	SO	ALL	HIGH	WIRE	125	264	58	15.312	OH2KA
32	SM7ATL	2019	SSB	SO	ALL	HIGH	NONE	143	293	52	15.236	
33	LC5C	2019	SSB	SO	ALL	HIGH	NONE	173	353	40	14.120	LA6KO
34	SB6W	2019	SSB	SO	ALL	HIGH	NONE	114	248	49	12.152	SB6W
35	LA8OM	2019	SSB	SO	ALL	HIGH	NONE	159	336	36	12.096	LA8OM
36	LA4ESA	2019	SSB	SO	ALL	HIGH	TB-W	140	285	42	11.970	LA4ESA
37	SM2CEW	2019	SSB	SO	ALL	HIGH	NONE	160	329	36	11.844	SM2CEW
38	LA8HGA	2019	SSB	SO	ALL	HIGH	NONE	151	325	34	11.050	LA8HGA
39	OZ1OP	2019	SSB	SO	ALL	HIGH	TB-W	119	250	44	11.000	OZ1OP

#	CALL	YEAR	MOD	CLAS	BAND	POWER	O-LAY	QSO	POINT	MULT	SCORE	OPERATOR
40	LA7WRA	2019	SSB	SO	ALL	HIGH	NONE	129	267	38	10.146	LA7WRA
41	OH5XO	2019	SSB	SO	ALL	HIGH	NONE	97	202	39	7.878	OH5XO
42	LA3OCT	2019	SSB	SO	ALL	HIGH	NONE	68	143	49	7.007	LA3DV
43	SM4ONW	2019	SSB	SO	ALL	HIGH	NONE	52	113	34	3.842	SM4ONW
44	SA6U	2019	SSB	SO	ALL	HIGH	NONE	45	101	31	3.131	
45	OH3KX	2019	SSB	SO	ALL	HIGH	NONE	51	110	27	2.970	OH3KX
46	OH1LAR	2019	SSB	SO	ALL	HIGH	TB-W	47	102	27	2.754	OH1LAR
47	LA8JKA	2019	SSB	SO	ALL	HIGH	NONE	53	108	25	2.700	LA8JKA
48	OH6E	2019	SSB	SO	ALL	HIGH	NONE	44	99	26	2.574	
49	OH5NE	2019	SSB	SO	ALL	HIGH	NONE	42	92	26	2.392	OH5NE
50	SA5HUB	2019	SSB	SO	ALL	HIGH	WIRE	44	92	22	2.024	SA5HUB
51	OZ7EA	2019	SSB	SO	ALL	HIGH	NONE	34	72	24	1.728	OZ7EA
52	SF6C	2019	SSB	SO	ALL	HIGH	TB-W	36	75	21	1.575	SF6C
53	OH1POR	2019	SSB	SO	ALL	HIGH	NONE	29	62	21	1.302	OH1POR
54	OZ1IKY	2019	SSB	SO	ALL	HIGH	NONE	20	45	16	720	
55	OH2N	2019	SSB	SO	ALL	HIGH	NONE	15	33	12	396	
56	SM0WJH	2019	SSB	SO	ALL	HIGH	NONE	15	32	8	256	SM0WJH
57	OZ3SM	2019	SSB	SO	ALL	HIGH	NONE	3	8	3	24	OZ3SM
58	OH5M	2019	SSB	SO	ALL	HIGH	NONE	2	4	2	8	
#	CALL	YEAR	MOD	CLAS	BAND	POWER	O-LAY	QSO	POINT	MULT	SCORE	OPERATOR
1	OG3P	2019	SSB	SO	ALL	LOW	TB-W	365	779	90	70.110	OH3P
2	OH6ECM	2019	SSB	SO	ALL	LOW	TB-W	366	770	88	67.760	OH6ECM
3	OH6FXW	2019	SSB	SO	ALL	LOW	TB-W	350	725	87	63.075	OH6FXW
4	SM5IMO	2019	SSB	SO	ALL	LOW	NONE	307	665	79	52.535	SM5IMO
5	OH9GGY	2019	SSB	SO	ALL	LOW	NONE	354	738	62	45.756	OH9GGY
6	OV1RR	2019	SSB	SO	ALL	LOW	NONE	237	531	81	43.011	OZ1D
7	SK6BA	2019	SSB	SO	ALL	LOW	WIRE	226	492	81	39.852	SM6TZL
8	SM2S	2019	SSB	SO	ALL	LOW	NONE	298	626	62	38.812	SM2S
9	OH6LW	2019	SSB	SO	ALL	LOW	NONE	274	569	60	34.140	OH6LW
10	SM6IQD	2019	SSB	SO	ALL	LOW	NONE	243	503	66	33.198	SM6IQD
11	SE6K	2019	SSB	SO	ALL	LOW	TB-W	235	487	67	32.629	SM6FZO
12	5P8Z	2019	SSB	SO	ALL	LOW	TB-W	185	388	69	26.772	OZ8ZS
13	7S5S	2019	SSB	SO	ALL	LOW	NONE	173	373	71	26.483	SM5CSS
14	OZ4NA	2019	SSB	SO	ALL	LOW	TB-W	195	401	63	25.263	OZ4NA
15	OZ1KKH	2019	SSB	SO	ALL	LOW	NONE	144	311	68	21.148	OZ1KKH
16	SE5W	2019	SSB	SO	ALL	LOW	NONE	140	298	66	19.668	SM5NQB
17	LA2HFA	2019	SSB	SO	ALL	LOW	TB-W	146	308	62	19.096	LA2HFA
18	5P9R	2019	SSB	SO	ALL	LOW	WIRE	118	261	55	14.355	OZ5XN
19	OH1LWZ	2019	SSB	SO	ALL	LOW	NONE	141	294	47	13.818	
20	SM5ACQ	2019	SSB	SO	ALL	LOW	NONE	119	267	49	13.083	SM5ACQ
21	OH2HZ	2019	SSB	SO	ALL	LOW	TB-W	99	216	47	10.152	OH2HZ

#	CALL	YEAR	MOD	CLAS	BAND	POWER	O-LAY	QSO	POINT	MULT	SCORE	OPERATOR
22	OH1MM	2019	SSB	SO	ALL	LOW	WIRE	102	213	42	8.946	
23	OH1XFE	2019	SSB	SO	ALL	LOW	TB-W	83	178	48	8.544	OH1XFE
24	OH1BC	2019	SSB	SO	ALL	LOW	WIRE	93	194	43	8.342	OH1BC
25	SM6VYP	2019	SSB	SO	ALL	LOW	NONE	85	179	44	7.876	
26	LC7D	2019	SSB	SO	ALL	LOW	NONE	93	191	41	7.831	LA6PBA
27	OH6JE	2019	SSB	SO	ALL	LOW	NONE	79	172	45	7.740	OH6JE
28	SM3KJA	2019	SSB	SO	ALL	LOW	NONE	102	210	36	7.560	SM3KJA
29	OZ9V	2019	SSB	SO	ALL	LOW	NONE	71	155	41	6.355	
30	LA3RNA	2019	SSB	SO	ALL	LOW	NONE	68	144	43	6.192	LA3RNA
31	SF1Z	2019	SSB	SO	ALL	LOW	NONE	88	185	33	6.105	SM0HEV
32	OH6BQH	2019	SSB	SO	ALL	LOW	NONE	72	155	35	5.425	OH6BQH
33	SM6Q	2019	SSB	SO	ALL	LOW	NONE	86	173	30	5.190	SM6Q
34	OH2BXT	2019	SSB	SO	ALL	LOW	TB-W	61	128	40	5.120	OH2BXT
35	OH3KQ	2019	SSB	SO	ALL	LOW	TB-W	63	135	37	4.995	OH3KQ
36	OH3NAQ	2019	SSB	SO	ALL	LOW	WIRE	73	153	32	4.896	
37	OH2BGR	2019	SSB	SO	ALL	LOW	TB-W	56	120	35	4.200	OH2BGR
38	OH3HS	2019	SSB	SO	ALL	LOW	WIRE	59	127	33	4.191	OH3HS
39	SM5LSM	2019	SSB	SO	ALL	LOW	NONE	61	126	33	4.158	SM5LSM
40	SM4LRA	2019	SSB	SO	ALL	LOW	TB-W	66	138	30	4.140	SM4LRA
41	OZ1QZ	2019	SSB	SO	ALL	LOW	NONE	66	140	29	4.060	OZ1QZ
42	SM6USS	2019	SSB	SO	ALL	LOW	WIRE	52	107	36	3.852	SM6USS
43	OH1BAR	2019	SSB	SO	ALL	LOW	WIRE	57	123	31	3.813	OH1BAR
44	OH2MGA	2019	SSB	SO	ALL	LOW	NONE	65	135	25	3.375	OH2MGA
45	OG5T	2019	SSB	SO	ALL	LOW	WIRE	61	129	26	3.354	OG5T
46	SM6BNA	2019	SSB	SO	ALL	LOW	NONE	51	112	28	3.136	SM6BNA
47	OH1KH	2019	SSB	SO	ALL	LOW	NONE	54	117	26	3.042	OH1KH
48	SM5S	2019	SSB	SO	ALL	LOW	WIRE	47	101	30	3.030	SM5SIC
49	OH2LIR	2019	SSB	SO	ALL	LOW	WIRE	44	97	29	2.813	
50	TF8TY	2019	SSB	SO	ALL	LOW	NONE	50	109	24	2.616	TF8TY
51	SM6YRB	2019	SSB	SO	ALL	LOW	NONE	49	104	25	2.600	SM6YRB
52	SK6JX	2019	SSB	SO	ALL	LOW	ROOKIE	49	102	25	2.550	SA6OPT
53	SA4DHT	2019	SSB	SO	ALL	LOW	WIRE	52	106	24	2.544	
54	SI6T	2019	SSB	SO	ALL	LOW	WIRE	46	98	25	2.450	SM6LZQ
55	OH7EBA	2019	SSB	SO	ALL	LOW	WIRE	50	105	23	2.415	
56	LA5FBA	2019	SSB	SO	ALL	LOW	NONE	43	88	26	2.288	LA5FBA
57	OH3MA	2019	SSB	SO	ALL	LOW	NONE	45	96	23	2.208	OH3MA
58	OH3UAI	2019	SSB	SO	ALL	LOW	ROOKIE	41	85	25	2.125	OH3UAI
59	SA4AVS	2019	SSB	SO	ALL	LOW	NONE	41	86	24	2.064	SA4AVS
60	OH5MQ	2019	SSB	SO	ALL	LOW	NONE	38	81	25	2.025	OH5MQ
61	LB8IH	2019	SSB	SO	ALL	LOW	WIRE	43	88	23	2.024	LB8IH
62	OH3NB	2019	SSB	SO	ALL	LOW	NONE	37	77	22	1.694	OH3NB

#	CALL	YEAR	MOD	CLAS	BAND	POWER	O-LAY	QSO	POINT	MULT	SCORE	OPERATOR
63	TF8KY	2019	SSB	SO	ALL	LOW	NONE	44	92	18	1.656	TF8KY
64	OH5C	2019	SSB	SO	ALL	LOW	NONE	33	68	20	1.360	OH5CW
65	SC6AS	2019	SSB	SO	ALL	LOW	NONE	44	94	14	1.316	SC6AS
66	SM3XAX	2019	SSB	SO	ALL	LOW	NONE	30	64	19	1.216	
67	SM5MRQ	2019	SSB	SO	ALL	LOW	NONE	30	64	18	1.152	SM5MRQ
68	OH6X	2019	SSB	SO	ALL	LOW	NONE	26	54	21	1.134	OH6X
69	OH5VT	2019	SSB	SO	ALL	LOW	NONE	30	63	18	1.134	OH5VT
70	OH2ECG	2019	SSB	SO	ALL	LOW	WIRE	26	56	20	1.120	
71	OH1BKY	2019	SSB	SO	ALL	LOW	WIRE	28	56	16	896	OH1BKY
72	SM5TAH	2019	SSB	SO	ALL	LOW	WIRE	22	46	15	690	SM5TAH
73	OH2TE	2019	SSB	SO	ALL	LOW	TB-W	21	46	12	552	OH6GSB
74	OH3JQ	2019	SSB	SO	ALL	LOW	NONE	20	42	13	546	OH3JQ
75	OH2FQV	2019	SSB	SO	ALL	LOW	WIRE	21	45	11	495	
76	SM0Y	2019	SSB	SO	ALL	LOW	WIRE	19	38	13	494	SM0OY
77	OH1PH	2019	SSB	SO	ALL	LOW	NONE	15	31	15	465	OH1PH
78	OH5HQO	2019	SSB	SO	ALL	LOW	TB-W	14	30	10	300	OH5HQO
79	OH2DD	2019	SSB	SO	ALL	LOW	WIRE	14	29	10	290	OH2DD
80	SM5VTP	2019	SSB	SO	ALL	LOW	WIRE	18	36	8	288	
81	OH2BAV	2019	SSB	SO	ALL	LOW	ROOKIE	11	22	9	198	
82	OH3BY	2019	SSB	SO	ALL	LOW	NONE	8	18	6	108	JORMA
83	TF3EK	2019	SSB	SO	ALL	LOW	NONE	5	11	4	44	TF3EK
84	OG3G	2019	SSB	SO	ALL	LOW	NONE	4	9	4	36	OH1ND
85	OU/IW3GYG	2019	SSB	SO	ALL	LOW	NONE	2	4	1	4	IW3GYG
#	CALL	YEAR	MOD	CLAS	BAND	POWER	O-LAY	QSO	POINT	MULT	SCORE	OPERATOR
1	8S3DX	2019	SSB	SO	ALL	QRP	TB-W	117	259	48	12.432	SM3LDP
2	LB1LG	2019	SSB	SO	ALL	QRP	TB-W	62	128	26	3.328	LB1LG
3	SM0LTV	2019	SSB	SO	ALL	QRP	WIRE	34	70	19	1.330	SM0LTV
#	CALL	YEAR	MOD	CLAS	BAND	POWER	O-LAY	QSO	POINT	MULT	SCORE	OPERATOR
1	OG6N	2019	SSB	SA	ALL	HIGH	NONE	1004	2.169	171	370.899	OH6NIO
2	OH6DX	2019	SSB	SA	ALL	HIGH	TB-W	1018	2.188	160	350.080	OH6DX
3	SG0X	2019	SSB	SA	ALL	HIGH	NONE	1008	2.236	147	328.692	SG0X
4	OH1XT	2019	SSB	SA	ALL	HIGH	NONE	962	2.115	152	321.480	OH1XT
5	OH1Z	2019	SSB	SA	ALL	HIGH	NONE	909	1.950	163	317.850	OH1LEG
6	OZ30EU	2019	SSB	SA	ALL	HIGH	NONE	777	1.750	145	253.750	
7	OH3Z	2019	SSB	SA	ALL	HIGH	NONE	780	1.805	135	243.675	OH1NX
8	OZ2PBS	2019	SSB	SA	ALL	HIGH	NONE	662	1.577	114	179.778	OZ2PBS
9	OH6RE	2019	SSB	SA	ALL	HIGH	NONE	636	1.330	130	172.900	OH6RE
10	8S0C	2019	SSB	SA	ALL	HIGH	TB-W	602	1.341	123	164.943	SM0MPV
11	OH5KW	2019	SSB	SA	ALL	HIGH	NONE	532	1.168	133	155.344	OH5KW
12	OG4A	2019	SSB	SA	ALL	HIGH	TB-W	572	1.206	116	139.896	OG4A
13	SB7S	2019	SSB	SA	ALL	HIGH	TB-W	457	971	108	104.868	SB7S

#	CALL	YEAR	MOD	CLAS	BAND	POWER	O-LAY	QSO	POINT	MULT	SCORE	OPERATOR
14	OH3D	2019	SSB	SA	ALL	HIGH	NONE	486	1.054	94	99.076	OH2NC
15	SE1E	2019	SSB	SA	ALL	HIGH	WIRE	441	928	100	92.800	SE1E
16	OH6MSZ	2019	SSB	SA	ALL	HIGH	NONE	504	1.065	86	91.590	OH6MSZ
17	SI3A	2019	SSB	SA	ALL	HIGH	NONE	446	943	84	79.212	SM3LIV
18	SA6BET	2019	SSB	SA	ALL	HIGH	NONE	310	692	88	60.896	SA6BET
19	SK40UM	2019	SSB	SA	ALL	HIGH	TB-W	325	711	85	60.435	SM5YRA
20	OH2K	2019	SSB	SA	ALL	HIGH	WIRE	271	564	83	46.812	OH6VDA
21	SM0N	2019	SSB	SA	ALL	HIGH	TB-W	265	554	81	44.874	SM0JCA
22	SM5EPO	2019	SSB	SA	ALL	HIGH	NONE	260	582	71	41.322	SM5EPO
23	OH3BHL	2019	SSB	SA	ALL	HIGH	NONE	302	671	60	40.260	OH3BHL
24	SD4C	2019	SSB	SA	ALL	HIGH	NONE	240	540	73	39.420	SM0SHG
25	OH7MFO	2019	SSB	SA	ALL	HIGH	NONE	231	488	70	34.160	OH7MFO
26	LA7AK	2019	SSB	SA	ALL	HIGH	NONE	233	478	71	33.938	LA7AK
27	OH4XX	2019	SSB	SA	ALL	HIGH	NONE	294	646	51	32.946	OH4XX
28	OH2BJ	2019	SSB	SA	ALL	HIGH	NONE	190	395	55	21.725	OH2BJ
29	LN3C	2019	SSB	SA	ALL	HIGH	TB-W	182	387	55	21.285	LB8DC
30	OH6OS	2019	SSB	SA	ALL	HIGH	NONE	171	381	51	19.431	OH6OS
31	SJ6A	2019	SSB	SA	ALL	HIGH	NONE	148	366	37	13.542	SM6JSM
32	OH1TD	2019	SSB	SA	ALL	HIGH	NONE	130	285	42	11.970	OH1TD
33	OH6CT	2019	SSB	SA	ALL	HIGH	NONE	117	246	46	11.316	OH6CT
34	LB6KC	2019	SSB	SA	ALL	HIGH	NONE	160	413	24	9.912	LB6KC
35	OH1TX	2019	SSB	SA	ALL	HIGH	NONE	97	206	48	9.888	
36	OH2BU	2019	SSB	SA	ALL	HIGH	NONE	118	242	40	9.680	OH2BU
37	TF3AO	2019	SSB	SA	ALL	HIGH	NONE	118	258	32	8.256	TF3AO
38	SA6SKA	2019	SSB	SA	ALL	HIGH	NONE	90	187	41	7.667	SA6SKA
39	SB7W	2019	SSB	SA	ALL	HIGH	NONE	83	173	38	6.574	
40	OZ8AGB	2019	SSB	SA	ALL	HIGH	WIRE	54	115	29	3.335	OZ8AGB
41	LA5UF	2019	SSB	SA	ALL	HIGH	NONE	46	105	23	2.415	LA5UF
42	SM5TNL	2019	SSB	SA	ALL	HIGH	NONE	24	48	13	624	SM5TNL
43	LA8CJ	2019	SSB	SA	ALL	HIGH	NONE	21	48	10	480	LA8CJ
44	SA6P	2019	SSB	SA	ALL	HIGH	NONE	18	36	12	432	SA6P
45	SM6SXJ	2019	SSB	SA	ALL	HIGH	NONE	6	12	6	72	SM6SXJ
#	CALL	YEAR	MOD	CLAS	BAND	POWER	O-LAY	QSO	POINT	MULT	SCORE	OPERATOR
1	OH0V	2019	SSB	SA	ALL	LOW	NONE	521	1.153	109	125.677	OH6LI
2	SE4E	2019	SSB	SA	ALL	LOW	WIRE	368	780	97	75.660	SM4DQE
3	OZ1KVM	2019	SSB	SA	ALL	LOW	NONE	152	330	70	23.100	OZ1KVM
4	SM3EAE	2019	SSB	SA	ALL	LOW	NONE	182	387	46	17.802	SM3EAE
5	OH6UX	2019	SSB	SA	ALL	LOW	NONE	115	248	54	13.392	OH6UX
6	LB6UH	2019	SSB	SA	ALL	LOW	NONE	120	259	49	12.691	
7	OH3RF	2019	SSB	SA	ALL	LOW	NONE	120	267	45	12.015	OH3RF
8	SF5M	2019	SSB	SA	ALL	LOW	WIRE	83	175	39	6.825	SM5SYO

#	CALL	YEAR	MOD	CLAS	BAND	POWER	O-LAY	QSO	POINT	MULT	SCORE	OPERATOR
9	OH6TN	2019	SSB	SA	ALL	LOW	NONE	107	218	29	6.322	OH6TN
10	SM8B	2019	SSB	SA	ALL	LOW	TB-W	77	165	38	6.270	SA0BVA
11	SM5ALJ	2019	SSB	SA	ALL	LOW	NONE	79	160	34	5.440	SM5ALJ
12	OH6KP	2019	SSB	SA	ALL	LOW	NONE	45	95	24	2.280	OH6KP
13	LA8RTA	2019	SSB	SA	ALL	LOW	NONE	25	50	11	550	LA8RTA
#	CALL	YEAR	MOD	CLAS	BAND	POWER	O-LAY	QSO	POINT	MULT	SCORE	OPERATOR
1	OG3X	2019	SSB	SA	ALL	QRP	NONE	56	116	29	3.364	OH3KRH
2	SM0IFP	2019	SSB	SA	ALL	QRP	WIRE	29	60	14	840	SM0IFP
#	CALL	YEAR	MOD	CLAS	BAND	POWER	O-LAY	QSO	POINT	MULT	SCORE	OPERATOR
1	OH6DX	2019	SSB	SA	ALL	HIGH	TB-W	1018	2.188	160	350.080	OH6DX
2	8S0C	2019	SSB	SA	ALL	HIGH	TB-W	602	1.341	123	164.943	SM0MPV
3	OG4A	2019	SSB	SA	ALL	HIGH	TB-W	572	1.206	116	139.896	OG4A
4	SB7S	2019	SSB	SA	ALL	HIGH	TB-W	457	971	108	104.868	SB7S
5	SK40UM	2019	SSB	SA	ALL	HIGH	TB-W	325	711	85	60.435	SM5YRA
6	SM0N	2019	SSB	SA	ALL	HIGH	TB-W	265	554	81	44.874	SM0JCA
7	SG0M	2019	SSB	SO	ALL	HIGH	TB-W	241	520	73	37.960	SA0AQ
8	SM5B	2019	SSB	SO	ALL	HIGH	TB-W	205	439	69	30.291	SM5EMR
9	LN3C	2019	SSB	SA	ALL	HIGH	TB-W	182	387	55	21.285	LB8DC
10	LA4ESA	2019	SSB	SO	ALL	HIGH	TB-W	140	285	42	11.970	LA4ESA
11	OZ1OP	2019	SSB	SO	ALL	HIGH	TB-W	119	250	44	11.000	OZ1OP
12	OH1LAR	2019	SSB	SO	ALL	HIGH	TB-W	47	102	27	2.754	OH1LAR
13	SF6C	2019	SSB	SO	ALL	HIGH	TB-W	36	75	21	1.575	SF6C
#	CALL	YEAR	MOD	CLAS	BAND	POWER	O-LAY	QSO	POINT	MULT	SCORE	OPERATOR
1	SE1E	2019	SSB	SA	ALL	HIGH	WIRE	441	928	100	92.800	SE1E
2	OV9M	2019	SSB	SO	ALL	HIGH	WIRE	396	829	82	67.978	DF9TM
3	OH2K	2019	SSB	SA	ALL	HIGH	WIRE	271	564	83	46.812	OH6VDA
4	OH2LH	2019	SSB	SO	ALL	HIGH	WIRE	268	548	71	38.908	OH2LH
5	SD7X	2019	SSB	SO	ALL	HIGH	WIRE	200	411	57	23.427	SA7AJC
6	OH2KA	2019	SSB	SO	ALL	HIGH	WIRE	125	264	58	15.312	OH2KA
7	OZ8AGB	2019	SSB	SA	ALL	HIGH	WIRE	54	115	29	3.335	OZ8AGB
8	SA5HUB	2019	SSB	SO	ALL	HIGH	WIRE	44	92	22	2.024	SA5HUB
#	CALL	YEAR	MOD	CLAS	BAND	POWER	O-LAY	QSO	POINT	MULT	SCORE	OPERATOR
1	OG3P	2019	SSB	SO	ALL	LOW	TB-W	365	779	90	70.110	OH3P
2	OH6ECM	2019	SSB	SO	ALL	LOW	TB-W	366	770	88	67.760	OH6ECM
3	OH6FXW	2019	SSB	SO	ALL	LOW	TB-W	350	725	87	63.075	OH6FXW
4	SE6K	2019	SSB	SO	ALL	LOW	TB-W	235	487	67	32.629	SM6FZO
5	5P8Z	2019	SSB	SO	ALL	LOW	TB-W	185	388	69	26.772	OZ8ZS
6	OZ4NA	2019	SSB	SO	ALL	LOW	TB-W	195	401	63	25.263	OZ4NA
7	LA2HFA	2019	SSB	SO	ALL	LOW	TB-W	146	308	62	19.096	LA2HFA
8	8S3DX	2019	SSB	SO	ALL	QRP	TB-W	117	259	48	12.432	SM3LDP
9	OH2HZ	2019	SSB	SO	ALL	LOW	TB-W	99	216	47	10.152	OH2HZ

#	CALL	YEAR	MOD	CLAS	BAND	POWER	O-LAY	QSO	POINT	MULT	SCORE	OPERATOR
10	OH1XFE	2019	SSB	SO	ALL	LOW	TB-W	83	178	48	8.544	OH1XFE
11	SM8B	2019	SSB	SA	ALL	LOW	TB-W	77	165	38	6.270	SA0BVA
12	OH2BXT	2019	SSB	SO	ALL	LOW	TB-W	61	128	40	5.120	OH2BXT
13	OH3KQ	2019	SSB	SO	ALL	LOW	TB-W	63	135	37	4.995	OH3KQ
14	OH2BGR	2019	SSB	SO	ALL	LOW	TB-W	56	120	35	4.200	OH2BGR
15	SM4LRA	2019	SSB	SO	ALL	LOW	TB-W	66	138	30	4.140	SM4LRA
16	LB1LG	2019	SSB	SO	ALL	QRP	TB-W	62	128	26	3.328	LB1LG
17	OH2TE	2019	SSB	SO	ALL	LOW	TB-W	21	46	12	552	OH6GSB
18	OH5HQO	2019	SSB	SO	ALL	LOW	TB-W	14	30	10	300	OH5HQO
#	CALL	YEAR	MOD	CLAS	BAND	POWER	O-LAY	QSO	POINT	MULT	SCORE	OPERATOR
1	SE4E	2019	SSB	SA	ALL	LOW	WIRE	368	780	97	75.660	SM4DQE
2	SK6BA	2019	SSB	SO	ALL	LOW	WIRE	226	492	81	39.852	SM6TZL
3	5P9R	2019	SSB	SO	ALL	LOW	WIRE	118	261	55	14.355	OZ5XN
4	OH1MM	2019	SSB	SO	ALL	LOW	WIRE	102	213	42	8.946	
5	OH1BC	2019	SSB	SO	ALL	LOW	WIRE	93	194	43	8.342	OH1BC
6	SF5M	2019	SSB	SA	ALL	LOW	WIRE	83	175	39	6.825	SM5SYO
7	OH3NAQ	2019	SSB	SO	ALL	LOW	WIRE	73	153	32	4.896	
8	OH3HS	2019	SSB	SO	ALL	LOW	WIRE	59	127	33	4.191	OH3HS
9	SM6USS	2019	SSB	SO	ALL	LOW	WIRE	52	107	36	3.852	SM6USS
10	OH1BAR	2019	SSB	SO	ALL	LOW	WIRE	57	123	31	3.813	OH1BAR
11	OG5T	2019	SSB	SO	ALL	LOW	WIRE	61	129	26	3.354	OG5T
12	SM5S	2019	SSB	SO	ALL	LOW	WIRE	47	101	30	3.030	SM5SIC
13	OH2LIR	2019	SSB	SO	ALL	LOW	WIRE	44	97	29	2.813	
14	SA4DHT	2019	SSB	SO	ALL	LOW	WIRE	52	106	24	2.544	
15	SI6T	2019	SSB	SO	ALL	LOW	WIRE	46	98	25	2.450	SM6LZQ
16	OH7EBA	2019	SSB	SO	ALL	LOW	WIRE	50	105	23	2.415	
17	LB8IH	2019	SSB	SO	ALL	LOW	WIRE	43	88	23	2.024	LB8IH
18	SM0LTV	2019	SSB	SO	ALL	QRP	WIRE	34	70	19	1.330	SM0LTV
19	OH2ECG	2019	SSB	SO	ALL	LOW	WIRE	26	56	20	1.120	
20	OH1BKY	2019	SSB	SO	ALL	LOW	WIRE	28	56	16	896	OH1BKY
21	SM0IFP	2019	SSB	SA	ALL	QRP	WIRE	29	60	14	840	SM0IFP
22	SM5TAH	2019	SSB	SO	ALL	LOW	WIRE	22	46	15	690	SM5TAH
23	OH2FQV	2019	SSB	SO	ALL	LOW	WIRE	21	45	11	495	
24	SM0Y	2019	SSB	SO	ALL	LOW	WIRE	19	38	13	494	SM0Y
25	OH2DD	2019	SSB	SO	ALL	LOW	WIRE	14	29	10	290	OH2DD
26	SM5VTP	2019	SSB	SO	ALL	LOW	WIRE	18	36	8	288	
#	CALL	YEAR	MOD	CLAS	BAND	POWER	O-LAY	QSO	POINT	MULT	SCORE	OPERATOR
1	OH4X	2019	SSB	SO	80M	HIGH	NONE	312	645	50	32.250	OH4X
2	OH3RB	2019	SSB	SO	80M	HIGH	NONE	235	482	40	19.280	OH3RB
3	OH8A	2019	SSB	SO	80M	HIGH	NONE	167	341	34	11.594	OH8WW
4	OH2PQ	2019	SSB	SO	80M	HIGH	NONE	126	261	33	8.613	OH2PQ

#	CALL	YEAR	MOD	CLAS	BAND	POWER	O-LAY	QSO	POINT	MULT	SCORE	OPERATOR
5	TF3T	2019	SSB	SO	80M	HIGH	NONE	52	106	18	1.908	TF3T
6	OH3XZ	2019	SSB	SO	80M	HIGH	NONE	22	45	14	630	
7	OH2LGW	2019	SSB	SO	80M	HIGH	NONE	3	6	3	18	OH2LGW
#	CALL	YEAR	MOD	CLAS	BAND	POWER	O-LAY	QSO	POINT	MULT	SCORE	OPERATOR
1	OH7JL	2019	SSB	SO	40M	HIGH	NONE	825	1.712	62	106.144	OH7JL
2	OZ1ZD	2019	SSB	SO	40M	HIGH	NONE	501	1.031	43	44.333	OZ1ZD
3	LB1QI	2019	SSB	SO	40M	HIGH	NONE	193	390	30	11.700	LB1QI
4	LA1LO	2019	SSB	SO	40M	HIGH	NONE	167	338	34	11.492	LA1LO
5	OZ7P	2019	SSB	SO	40M	HIGH	NONE	171	346	30	10.380	OZ7P
6	OH1OR	2019	SSB	SO	40M	HIGH	NONE	87	175	21	3.675	OH1OR
7	OH5UQ	2019	SSB	SO	40M	HIGH	NONE	23	46	8	368	OH5UQ
8	SD1A	2019	SSB	SO	40M	HIGH	NONE	9	18	8	144	SM1TDE
9	LA2QJA	2019	SSB	SO	40M	HIGH	NONE	3	6	3	18	
10	OJ0W	2019	SSB	SO	40M	HIGH	NONE	2	4	2	8	
#	CALL	YEAR	MOD	CLAS	BAND	POWER	O-LAY	QSO	POINT	MULT	SCORE	OPERATOR
1	OH8L	2019	SSB	SO	20M	HIGH	NONE	806	1.889	64	120.896	OH8LQ
2	OH7K	2019	SSB	SO	20M	HIGH	NONE	767	1.720	68	116.960	OH7CW
3	OH3OJ	2019	SSB	SO	20M	HIGH	NONE	557	1.175	58	68.150	OH3OJ
4	OH1HAQ	2019	SSB	SO	20M	HIGH	NONE	552	1.177	54	63.558	OH1HAQ
5	OH9W	2019	SSB	SO	20M	HIGH	NONE	489	1.079	52	56.108	OH5BQ
6	OH2RM	2019	SSB	SO	20M	HIGH	NONE	467	988	52	51.376	
7	SM5X	2019	SSB	SO	20M	HIGH	NONE	370	813	46	37.398	SM5GMZ
8	LA7NFA	2019	SSB	SO	20M	HIGH	NONE	197	437	43	18.791	LA7NFA
9	OH2A	2019	SSB	SO	20M	HIGH	NONE	196	438	40	17.520	OH3VV
10	OH2KI	2019	SSB	SO	20M	HIGH	NONE	197	414	36	14.904	
11	SA6BPD	2019	SSB	SO	20M	HIGH	NONE	156	370	32	11.840	SA6BPD
12	OH8WR	2019	SSB	SO	20M	HIGH	NONE	155	323	32	10.336	OH8WR
13	OZ5GOL	2019	SSB	SO	20M	HIGH	NONE	104	225	27	6.075	OZ5GOL
14	OH3CV	2019	SSB	SO	20M	HIGH	NONE	66	142	25	3.550	OH3CV
15	OH3MC	2019	SSB	SO	20M	HIGH	NONE	49	102	19	1.938	
16	OZ1DYI	2019	SSB	SO	20M	HIGH	NONE	37	81	15	1.215	
17	SM5CCT	2019	SSB	SO	20M	HIGH	NONE	36	73	15	1.095	SM5CCT
18	OZ1JVX	2019	SSB	SO	20M	HIGH	NONE	39	78	11	858	
19	SM6TOL	2019	SSB	SO	20M	HIGH	NONE	28	68	11	748	SM6TOL
20	SF7WT	2019	SSB	SO	20M	HIGH	NONE	27	69	9	621	SM7WT
21	OH3KD	2019	SSB	SO	20M	HIGH	NONE	19	40	12	480	
22	OH2NJN	2019	SSB	SO	20M	HIGH	NONE	18	38	10	380	OH2NJN
23	OH2SC	2019	SSB	SO	20M	HIGH	NONE	13	27	12	324	
24	SM5BMB	2019	SSB	SO	20M	HIGH	NONE	18	38	7	266	SM5BMB
25	OH2BBM	2019	SSB	SO	20M	HIGH	NONE	13	27	6	162	OLLI
26	OH2BN	2019	SSB	SO	20M	HIGH	NONE	6	12	3	36	OH2BN

#	CALL	YEAR	MOD	CLAS	BAND	POWER	O-LAY	QSO	POINT	MULT	SCORE	OPERATOR
27	OH2EF	2019	SSB	SO	20M	HIGH	NONE	5	10	2	20	OH2EF
28	SM4EPR	2019	SSB	SO	20M	HIGH	NONE	3	6	2	12	SM4EPR
#	CALL	YEAR	MOD	CLAS	BAND	POWER	O-LAY	QSO	POINT	MULT	SCORE	OPERATOR
1	OH2J	2019	SSB	SO	15M	HIGH	NONE	66	157	29	4.553	OG55W
2	OH5BM	2019	SSB	SO	15M	HIGH	NONE	44	113	22	2.486	OH5BM
3	OH6K	2019	SSB	SO	15M	HIGH	NONE	29	70	17	1.190	OH6FSG
4	OH1QX	2019	SSB	SO	15M	HIGH	NONE	20	48	14	672	OH1ZAA
5	OH2BAH	2019	SSB	SO	15M	HIGH	NONE	13	36	10	360	OH2PQ
6	SM6WYN	2019	SSB	SO	15M	HIGH	NONE	10	24	8	192	
#	CALL	YEAR	MOD	CLAS	BAND	POWER	O-LAY	QSO	POINT	MULT	SCORE	OPERATOR
1	OH0W	2019	SSB	M-1	ALL	HIGH	NONE	1672	3.800	213	809.400	OH2BH OH2TA OH6KZP
2	OH1F	2019	SSB	M-1	ALL	HIGH	NONE	1448	3.289	191	628.199	OH1NOA OH1TM
3	SM2U	2019	SSB	M-1	ALL	HIGH	NONE	777	1.674	126	210.924	SM0CXU SM0T @SM0T
4	SK6AW	2019	SSB	M-1	ALL	HIGH	NONE	659	1.390	120	166.800	SA6CBY SA6BGR SM6MIS
5	OI3V	2019	SSB	M-1	ALL	HIGH	NONE	577	1.236	122	150.792	OH3BJL OH1MKV OH3KAV
6	SK2T	2019	SSB	M-1	ALL	HIGH	NONE	638	1.320	113	149.160	SM2MTR SA2RJO
7	SK7K	2019	SSB	M-1	ALL	HIGH	NONE	549	1.256	116	145.696	SM7LXV SM7XEN
8	OG7Z	2019	SSB	M-1	ALL	HIGH	NONE	703	1.442	101	145.642	DJ4MF DG7EE DL2JRM
9	OZ5BAL	2019	SSB	M-1	ALL	HIGH	NONE	519	1.191	113	134.583	OZ0J OZ1JTE OZ2PJ OZ9U
10	LN2G	2019	SSB	M-1	ALL	HIGH	NONE	495	1.099	99	108.801	LB2LG LA7VK LA9OI
11	LG80T	2019	SSB	M-1	ALL	HIGH	NONE	494	1.070	98	104.860	LA3WAA LA7VV LB5SH
12	SK0QO	2019	SSB	M-1	ALL	HIGH	NONE	450	964	104	100.256	SM0BYO SM0NUE SM0DSF SM0IFP
13	OH2FNR	2019	SSB	M-1	ALL	HIGH	NONE	466	991	101	100.091	OH2FQV OH7FDY OH2FNR OH2ECG
14	SK5DB	2019	SSB	M-1	ALL	HIGH	NONE	436	903	96	86.688	SM5XSH SA5BCG SA5JUS
15	SC3A	2019	SSB	M-1	ALL	HIGH	NONE	429	912	94	85.728	SM3WMU SM3RAB
16	SJ3A	2019	SSB	M-1	ALL	HIGH	NONE	417	875	95	83.125	SM3OMO SM3GUJ SA3MYS
17	LN1B	2019	SSB	M-1	ALL	HIGH	NONE	444	902	76	68.552	LA4XLA LA6VQ LB1AH
18	OZ7D	2019	SSB	M-1	ALL	HIGH	NONE	318	754	82	61.828	OZ6OM
19	OZ3PY	2019	SSB	M-1	ALL	HIGH	NONE	217	441	34	14.994	OZ9F OZ3Z
20	SB7A	2019	SSB	M-1	ALL	HIGH	NONE	124	263	57	14.991	SA7LAK SA7TOR
21	SK6L	2019	SSB	M-1	ALL	HIGH	NONE	91	200	34	6.800	SM6OPW SM6PPF
22	SK4EA	2019	SSB	M-1	ALL	HIGH	NONE	78	169	39	6.591	SM4IPC SM4EPR
23	SK3W	2019	SSB	M-1	ALL	HIGH	NONE	105	262	24	6.288	SM0GNU SM3SGP

#	CALL	YEAR	MOD	CLAS	BAND	POWER	O-LAY	QSO	POINT	MULT	SCORE	OPERATOR
24	JW5X	2019	SSB	M-1	ALL	HIGH	NONE	57	123	31	3.813	LA9DL LA6VM
#	CALL	YEAR	MOD	CLAS	BAND	POWER	O-LAY	QSO	POINT	MULT	SCORE	OPERATOR
1	OH5Z	2019	SSB	M-M	ALL	HIGH	NONE	1026	2.375	157	372.875	OH5KS OH5NQ OH5TS
2	OH2YOTA	2019	SSB	M-M	ALL	HIGH	NONE	716	1.467	108	158.436	OH1EXC OH1UBO OH2FB OH2FKX OH2VT OH3BKL OH3ERI OH3HNY OH3OT OH3UAF OH5BRB OH5CZ
3	SI9AM	2019	SSB	M-M	ALL	HIGH	NONE	354	738	88	64.944	SA0BYP SA3BYC

Checklogs: OH2BC, OH5BQ, SA5X, TF3DC

Results SAC SSB 2019 AFRICA

#	CALL	YEAR	MOD	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT	SCORE	OPERATORS
1	EA8DED	2019	SSB	SO	ALL	HIGH	NONE	166	222	67	14.874	
2	FR4QT	2019	SSB	SO	ALL	HIGH	NONE	52	52	21	1.092	FR4QT
1	CN8LAH	2019	SSB	SO	ALL	LOW	NONE	87	87	28	2.436	CN8LAH
2	EA8DHV	2019	SSB	SO	ALL	LOW	NONE	58	70	28	1.960	EA8DHV

Results SAC SSB 2019 ASIA

#	CALL	YEAR	MOD	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT	SCORE	OPERATORS
1	R8WF	2019	SSB	SO	ALL	HIGH	NONE	315	563	101	56.863	
2	P3X	2019	SSB	SO	ALL	HIGH	NONE	176	276	81	22.356	P3X
3	UA9BA	2019	SSB	SO	ALL	HIGH	NONE	143	195	68	13.260	
4	UA9CAW	2019	SSB	SO	ALL	HIGH	NONE	102	172	50	8.600	
5	RK8U	2019	SSB	SO	ALL	HIGH	NONE	82	142	40	5.680	UA9URI
6	R0QAF	2019	SSB	SO	ALL	HIGH	NONE	35	35	16	560	
7	JR3AAZ	2019	SSB	SO	ALL	HIGH	NONE	31	31	15	465	
8	JA8IJI	2019	SSB	SO	ALL	HIGH	NONE	24	24	11	264	
9	JH1CML	2019	SSB	SO	ALL	HIGH	NONE	11	11	8	88	
10	9M2VBC	2019	SSB	SO	ALL	HIGH	NONE	2	6	2	12	9M2VBC
#	CALL	YEAR	MOD	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT	SCORE	OPERATORS
1	5B/UT5UT	2019	SSB	SO	ALL	LOW	NONE	304	440	105	46.200	UT5UT
2	UA9CUA	2019	SSB	SO	ALL	LOW	NONE	163	191	45	8.595	
3	TA4/OH2KW	2019	SSB	SO	ALL	LOW	NONE	113	157	54	8.478	OH2KW
4	TA4RC	2019	SSB	SO	ALL	LOW	NONE	87	165	51	8.415	TA4RC
5	UA9ZZ	2019	SSB	SO	ALL	LOW	NONE	117	117	37	4.329	
6	UA9SUV/8	2019	SSB	SO	ALL	LOW	NONE	95	119	34	4.046	UA9SUV
7	JT1BV	2019	SSB	SO	ALL	LOW	NONE	69	69	28	1.932	JT1BV

#	CALL	YEAR	MOD	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT	SCORE	OPERATORS
8	4X4LF	2019	SSB	SO	ALL	LOW	NONE	61	61	31	1.891	4X4LF @4X4LF
9	HZ1SK	2019	SSB	SO	ALL	LOW	NONE	51	51	25	1.275	
10	TA2BS	2019	SSB	SO	ALL	LOW	NONE	43	43	19	817	
11	RW9XU	2019	SSB	SO	ALL	LOW	NONE	38	38	18	684	
12	JE1RZR	2019	SSB	SO	ALL	LOW	NONE	22	22	14	308	
13	JI7VNJ	2019	SSB	SO	ALL	LOW	NONE	17	17	11	187	
14	JH2XQY	2019	SSB	SO	ALL	LOW	NONE	10	10	8	80	JH2XQY
15	RW9AV	2019	SSB	SO	ALL	LOW	NONE	10	10	7	70	RW9AV
16	JA1CRJ	2019	SSB	SO	ALL	LOW	NONE	9	9	6	54	
17	JH4FUF	2019	SSB	SO	ALL	LOW	NONE	4	4	4	16	
18	JN4ESD	2019	SSB	SO	ALL	LOW	NONE	3	3	3	9	JN4ESD
19	JG1GCO	2019	SSB	SO	ALL	LOW	NONE	1	1	1	1	
#	CALL	YEAR	MOD	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT	SCORE	OPERATORS
1	UA0SBQ/P	2019	SSB	SO	ALL	QRP	NONE	12	12	8	96	
1	UN7LZ	2019	SSB	SA	ALL	HIGH	NONE	405	693	115	79.695	
2	UA9R	2019	SSB	SA	ALL	HIGH	NONE	222	288	76	21.888	
3	TC4A	2019	SSB	SA	ALL	HIGH	NONE	156	224	68	15.232	TA4CS
4	RK8I	2019	SSB	SA	ALL	HIGH	NONE	199	227	60	13.620	
5	A42K	2019	SSB	SA	ALL	HIGH	NONE	93	179	47	8.413	A41CK
6	UA9CTT	2019	SSB	SA	ALL	HIGH	NONE	97	101	45	4.545	UA9CTT
#	CALL	YEAR	MOD	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT	SCORE	OPERATORS
1	4X6DK	2019	SSB	SA	ALL	LOW	NONE	194	310	78	24.180	4X6DK
2	UN7ZAF	2019	SSB	SA	ALL	LOW	NONE	90	180	45	8.100	
3	RV9UCN	2019	SSB	SA	ALL	LOW	NONE	118	132	38	5.016	RV9UCN
4	VU3ESV	2019	SSB	SA	ALL	LOW	NONE	43	45	24	1.080	VU3ESV
5	TA3AER	2019	SSB	SA	ALL	LOW	NONE	29	29	17	493	TA3AER
6	R9AM	2019	SSB	SA	ALL	LOW	NONE	20	20	10	200	R9AM
7	BU2EP	2019	SSB	SA	ALL	LOW	NONE	2	4	2	8	BU2EP
8	BX2AGF	2019	SSB	SA	ALL	LOW	NONE	1	1	1	1	BX2AGF

Checklogs: E21EIC, R9QQ, VU3SIO

Results SAC SSB 2019 EUROPE

#	CALL	YEAR	MOD	CLASS	BAND	POWER	OLAY	QSO	POINTS	MULT	SCORE	OPERATOR
1	LZ1GU	2019	SSB	SO	ALL	HIGH	NONE	419	419	121	50.699	LZ1GU
2	YL3CW	2019	SSB	SO	ALL	HIGH	NONE	368	368	119	43.792	
3	US5D	2019	SSB	SO	ALL	HIGH	NONE	375	375	97	36.375	UT7DX
4	M0MCV	2019	SSB	SO	ALL	HIGH	NONE	275	275	82	22.550	M0MCV
5	RL4F	2019	SSB	SO	ALL	HIGH	NONE	246	246	91	22.386	
6	ON5GQ	2019	SSB	SO	ALL	HIGH	NONE	243	243	90	21.870	ON5GQ

#	CALL	YEAR	MOD	CLASS	BAND	POWER	OLAY	QSO	POINTS	MULT	SCORE	OPERATOR
7	US5QRW	2019	SSB	SO	ALL	HIGH	NONE	239	239	90	21.510	
8	DL8AAE	2019	SSB	SO	ALL	HIGH	NONE	236	236	83	19.588	DL8AAE
9	DD2CW	2019	SSB	SO	ALL	HIGH	NONE	227	227	79	17.933	DD2CW
10	DL7SP	2019	SSB	SO	ALL	HIGH	NONE	231	231	77	17.787	DL7SP
11	OM4KK	2019	SSB	SO	ALL	HIGH	NONE	218	218	75	16.350	
12	TM4T	2019	SSB	SO	ALL	HIGH	NONE	207	207	66	13.662	
13	GW5NF	2019	SSB	SO	ALL	HIGH	NONE	166	166	72	11.952	GW5NF
14	EA4EUI	2019	SSB	SO	ALL	HIGH	NONE	171	171	69	11.799	EA4EUI
15	RU6YJ	2019	SSB	SO	ALL	HIGH	NONE	149	149	65	9.685	RU6YJ
16	PA3GVQ	2019	SSB	SO	ALL	HIGH	NONE	146	146	62	9.052	PA3GVQ
17	IZ3GNG	2019	SSB	SO	ALL	HIGH	NONE	131	131	62	8.122	
18	EA3AER	2019	SSB	SO	ALL	HIGH	NONE	129	129	59	7.611	EA3AER
19	Z62FB	2019	SSB	SO	ALL	HIGH	NONE	152	152	50	7.600	Z62FB
20	DJ9DZ	2019	SSB	SO	ALL	HIGH	NONE	140	140	47	6.580	
21	OK1OA	2019	SSB	SO	ALL	HIGH	NONE	103	103	55	5.665	OK1OA
22	YO8BDW	2019	SSB	SO	ALL	HIGH	NONE	98	98	56	5.488	YO8BDW
23	GS8VL	2019	SSB	SO	ALL	HIGH	NONE	123	123	43	5.289	GM0AXY
24	DK6VCO	2019	SSB	SO	ALL	HIGH	NONE	112	112	47	5.264	DK6VCO
25	DL5YM	2019	SSB	SO	ALL	HIGH	NONE	95	95	50	4.750	
26	CU2KG	2019	SSB	SO	ALL	HIGH	NONE	95	95	48	4.560	OH2BH
27	F1ADG	2019	SSB	SO	ALL	HIGH	NONE	118	118	38	4.484	
28	LY3CY	2019	SSB	SO	ALL	HIGH	NONE	98	98	43	4.214	LY3CY
29	R2GB	2019	SSB	SO	ALL	HIGH	NONE	92	92	45	4.140	R2GB
30	RT2C	2019	SSB	SO	ALL	HIGH	NONE	82	82	47	3.854	RV3FF
31	ES0IA	2019	SSB	SO	ALL	HIGH	NONE	72	72	42	3.024	
32	9A1CFR	2019	SSB	SO	ALL	HIGH	NONE	91	91	31	2.821	9A2NO
33	DF8HS	2019	SSB	SO	ALL	HIGH	NONE	72	72	39	2.808	DF8HS
34	PE1BSI	2019	SSB	SO	ALL	HIGH	NONE	70	70	39	2.730	PE1BSI
35	YL7X	2019	SSB	SO	ALL	HIGH	NONE	66	66	41	2.706	YL2LY
36	F1GRH	2019	SSB	SO	ALL	HIGH	NONE	65	65	36	2.340	F1GRH
37	YO3GNF	2019	SSB	SO	ALL	HIGH	NONE	60	60	30	1.800	YO3GNF
38	DC1HR	2019	SSB	SO	ALL	HIGH	NONE	55	55	32	1.760	
39	F4FNT	2019	SSB	SO	ALL	HIGH	NONE	59	59	29	1.711	
40	G4MFX	2019	SSB	SO	ALL	HIGH	NONE	56	56	30	1.680	G4MFX
41	F6API	2019	SSB	SO	ALL	HIGH	NONE	55	55	30	1.650	F6API
42	PA4GDR	2019	SSB	SO	ALL	HIGH	NONE	48	48	31	1.488	PA4GDR
43	LX1FP	2019	SSB	SO	ALL	HIGH	NONE	61	61	19	1.159	
44	TA1API	2019	SSB	SO	ALL	HIGH	NONE	46	46	24	1.104	TA1API
45	DK3RA	2019	SSB	SO	ALL	HIGH	NONE	35	35	29	1.015	DK3RA
46	SP1JQJ	2019	SSB	SO	ALL	HIGH	NONE	50	50	20	1.000	SP1JQJ
47	G2JP	2019	SSB	SO	ALL	HIGH	NONE	36	36	25	900	G2JP

#	CALL	YEAR	MOD	CLASS	BAND	POWER	OLAY	QSO	POINTS	MULT	SCORE	OPERATOR
48	SP3DFB	2019	SSB	SO	ALL	HIGH	NONE	38	38	22	836	SP3DFB
49	F1PNJ	2019	SSB	SO	ALL	HIGH	NONE	34	34	24	816	F1PNJ
50	F5NBX	2019	SSB	SO	ALL	HIGH	NONE	36	36	21	756	
51	ES1BH	2019	SSB	SO	ALL	HIGH	NONE	32	32	23	736	ES1BH
52	I0MQV	2019	SSB	SO	ALL	HIGH	NONE	29	29	20	580	
53	HA5OLA	2019	SSB	SO	ALL	HIGH	NONE	25	25	21	525	
54	PA3J	2019	SSB	SO	ALL	HIGH	NONE	25	25	19	475	
55	HB9EDY	2019	SSB	SO	ALL	HIGH	NONE	39	39	11	429	OH6EDY
56	U1BD	2019	SSB	SO	ALL	HIGH	NONE	20	20	12	240	
57	DH4LB	2019	SSB	SO	ALL	HIGH	NONE	17	17	12	204	
58	US3LX	2019	SSB	SO	ALL	HIGH	NONE	15	15	11	165	
59	IW2JYJ	2019	SSB	SO	ALL	HIGH	NONE	9	9	8	72	
60	DG9GAG	2019	SSB	SO	ALL	HIGH	NONE	2	2	2	4	
#	CALL	YEAR	MOD	CLASS	BAND	POWER	OLAY	QSO	POINTS	MULT	SCORE	OPERATOR
1	R4SAD	2019	SSB	SO	ALL	LOW	NONE	287	287	94	26.978	R4SAD
2	OK2MBP	2019	SSB	SO	ALL	LOW	NONE	239	239	89	21.271	
3	UX7MR	2019	SSB	SO	ALL	LOW	NONE	227	227	76	17.252	UX7MR
4	IU5ICR	2019	SSB	SO	ALL	LOW	NONE	205	205	79	16.195	
5	DM5B	2019	SSB	SO	ALL	LOW	NONE	210	210	75	15.750	DG6IMR
6	UA6LN	2019	SSB	SO	ALL	LOW	NONE	189	189	83	15.687	
7	G0AJJ	2019	SSB	SO	ALL	LOW	NONE	212	212	73	15.476	G0AJJ
8	DG5MLA	2019	SSB	SO	ALL	LOW	NONE	186	186	67	12.462	
9	YO8RZJ	2019	SSB	SO	ALL	LOW	NONE	161	161	77	12.397	YO8RZJ
10	YO5IA	2019	SSB	SO	ALL	LOW	NONE	168	168	71	11.928	YO5IA
11	YT1Q	2019	SSB	SO	ALL	LOW	NONE	175	175	63	11.025	YT1Q
12	IU2EFB	2019	SSB	SO	ALL	LOW	NONE	160	160	57	9.120	
13	OK2SGY	2019	SSB	SO	ALL	LOW	NONE	136	136	64	8.704	OK2SGY
14	SP4SHD	2019	SSB	SO	ALL	LOW	NONE	139	139	57	7.923	SP4SHD
15	LY5GT	2019	SSB	SO	ALL	LOW	NONE	141	141	55	7.755	LY5GT
16	OK2TS	2019	SSB	SO	ALL	LOW	NONE	136	136	56	7.616	OK2TS
17	LZ1DQ	2019	SSB	SO	ALL	LOW	NONE	136	136	55	7.480	LZ1DQ
18	2E0EVM	2019	SSB	SO	ALL	LOW	NONE	117	117	62	7.254	2E0EVM
19	IU4JIC	2019	SSB	SO	ALL	LOW	NONE	141	141	51	7.191	
20	IT9FRX	2019	SSB	SO	ALL	LOW	NONE	142	142	50	7.100	
21	F6DRP	2019	SSB	SO	ALL	LOW	NONE	155	155	45	6.975	F6DRP
22	EI3CTB	2019	SSB	SO	ALL	LOW	NONE	127	127	53	6.731	EI3CTB
23	OK2ABU	2019	SSB	SO	ALL	LOW	NONE	117	117	54	6.318	
24	SP5DRE	2019	SSB	SO	ALL	LOW	NONE	109	109	55	5.995	SP5DRE
25	SQ3WW	2019	SSB	SO	ALL	LOW	NONE	95	95	57	5.415	SQ3WW
26	RW3AI	2019	SSB	SO	ALL	LOW	NONE	95	95	56	5.320	
27	IU5CJP	2019	SSB	SO	ALL	LOW	NONE	95	95	51	4.845	IU5CJP

#	CALL	YEAR	MOD	CLASS	BAND	POWER	OLAY	QSO	POINTS	MULT	SCORE	OPERATOR
28	IZ0VXY	2019	SSB	SO	ALL	LOW	NONE	108	108	42	4.536	
29	EC5EA	2019	SSB	SO	ALL	LOW	NONE	94	94	47	4.418	
30	DJ3GE	2019	SSB	SO	ALL	LOW	NONE	105	105	42	4.410	DJ3GE
31	DB4LL	2019	SSB	SO	ALL	LOW	NONE	90	90	48	4.320	DB4LL
32	SP4AWE	2019	SSB	SO	ALL	LOW	NONE	85	85	50	4.250	SP4AWE
33	YO8THG	2019	SSB	SO	ALL	LOW	NONE	86	86	49	4.214	
34	OR2A	2019	SSB	SO	ALL	LOW	NONE	108	108	39	4.212	ON1DX
35	LZ2ZY	2019	SSB	SO	ALL	LOW	NONE	84	84	50	4.200	LZ2ZY
36	DL4DBM	2019	SSB	SO	ALL	LOW	NONE	105	105	40	4.200	DL4DBM
37	IN3FHE	2019	SSB	SO	ALL	LOW	NONE	103	103	40	4.120	
38	UG3G	2019	SSB	SO	ALL	LOW	NONE	88	88	46	4.048	UG3G
39	YO4SI	2019	SSB	SO	ALL	LOW	NONE	79	79	51	4.029	YO4SI
40	EI3ENB	2019	SSB	SO	ALL	LOW	NONE	72	72	55	3.960	EI3ENB
41	PA5JD	2019	SSB	SO	ALL	LOW	NONE	94	94	41	3.854	PA5JD
42	ON3ND	2019	SSB	SO	ALL	LOW	NONE	90	90	42	3.780	
43	YO4BEX	2019	SSB	SO	ALL	LOW	NONE	102	102	37	3.774	
44	IK2JTS	2019	SSB	SO	ALL	LOW	NONE	79	79	47	3.713	
45	RN4SC	2019	SSB	SO	ALL	LOW	NONE	83	83	44	3.652	RN4SC
46	LY2BAA	2019	SSB	SO	ALL	LOW	NONE	79	79	46	3.634	LY2BAA
47	DL4MFR	2019	SSB	SO	ALL	LOW	NONE	90	90	40	3.600	
48	2E0SPS	2019	SSB	SO	ALL	LOW	NONE	94	94	38	3.572	2E0SPS
49	HB9MXY	2019	SSB	SO	ALL	LOW	NONE	87	87	41	3.567	
50	DL1DQF	2019	SSB	SO	ALL	LOW	NONE	74	74	48	3.552	
51	EA4AOC	2019	SSB	SO	ALL	LOW	NONE	82	82	41	3.362	
52	DL9HB	2019	SSB	SO	ALL	LOW	NONE	86	86	39	3.354	
53	IK7RVY	2019	SSB	SO	ALL	LOW	NONE	113	113	29	3.277	
54	HG1VN	2019	SSB	SO	ALL	LOW	NONE	81	81	40	3.240	
55	E73RB	2019	SSB	SO	ALL	LOW	NONE	83	83	39	3.237	
56	E72U	2019	SSB	SO	ALL	LOW	NONE	79	79	40	3.160	E72U
57	RN4ACX	2019	SSB	SO	ALL	LOW	NONE	77	77	41	3.157	RN4ACX
58	9A2TX	2019	SSB	SO	ALL	LOW	NONE	82	82	38	3.116	9A2TX
59	UT1WW	2019	SSB	SO	ALL	LOW	NONE	72	72	41	2.952	
60	DL8UV	2019	SSB	SO	ALL	LOW	NONE	68	68	38	2.584	
61	DK3YD	2019	SSB	SO	ALL	LOW	NONE	77	77	33	2.541	
62	IZ8EQG	2019	SSB	SO	ALL	LOW	NONE	66	66	37	2.442	
63	UR4MS	2019	SSB	SO	ALL	LOW	NONE	64	64	38	2.432	UR4MS
64	DG1EAD	2019	SSB	SO	ALL	LOW	NONE	78	78	31	2.418	DG1EAD
65	UY0CA	2019	SSB	SO	ALL	LOW	NONE	74	74	32	2.368	
66	OM6AT	2019	SSB	SO	ALL	LOW	NONE	68	68	34	2.312	OM6AT
67	HB9GVW	2019	SSB	SO	ALL	LOW	NONE	68	68	34	2.312	
68	R6DIR	2019	SSB	SO	ALL	LOW	NONE	71	71	32	2.272	

#	CALL	YEAR	MOD	CLASS	BAND	POWER	OLAY	QSO	POINTS	MULT	SCORE	OPERATOR
69	R2EL	2019	SSB	SO	ALL	LOW	NONE	63	63	35	2.205	R2EL
70	DR50DIG	2019	SSB	SO	ALL	LOW	NONE	73	73	30	2.190	DH1PAL
71	SQ5OUV	2019	SSB	SO	ALL	LOW	NONE	59	59	37	2.183	SQ5OUV
72	DL3ABY	2019	SSB	SO	ALL	LOW	NONE	64	64	34	2.176	
73	OK1DVA	2019	SSB	SO	ALL	LOW	NONE	68	68	31	2.108	
74	YO4BXX	2019	SSB	SO	ALL	LOW	NONE	55	55	38	2.090	YO4BXX
75	YO6KGS	2019	SSB	SO	ALL	LOW	NONE	52	52	37	1.924	YO6KGS
76	GU0UVH	2019	SSB	SO	ALL	LOW	NONE	64	64	30	1.920	GU0UVH
77	SP6A	2019	SSB	SO	ALL	LOW	NONE	58	58	33	1.914	SP6A
78	ON4CVL	2019	SSB	SO	ALL	LOW	NONE	58	58	31	1.798	ON4CVL
79	MI0OBC	2019	SSB	SO	ALL	LOW	NONE	62	62	28	1.736	MI0OBC
80	IU2FRL	2019	SSB	SO	ALL	LOW	NONE	71	71	24	1.704	
81	DM5TS	2019	SSB	SO	ALL	LOW	NONE	50	50	34	1.700	DM5TS
82	DH9DX/P	2019	SSB	SO	ALL	LOW	NONE	53	53	32	1.696	
83	IK2SAR	2019	SSB	SO	ALL	LOW	NONE	57	57	29	1.653	IK2SAR
84	F5MA	2019	SSB	SO	ALL	LOW	NONE	61	61	27	1.647	
85	OK2BRQ	2019	SSB	SO	ALL	LOW	NONE	59	59	27	1.593	OK2BRQ
86	DL9HCO	2019	SSB	SO	ALL	LOW	NONE	51	51	31	1.581	DL9HCO
87	R4WAB	2019	SSB	SO	ALL	LOW	NONE	67	67	23	1.541	
88	F6IRA	2019	SSB	SO	ALL	LOW	NONE	55	55	28	1.540	F6IRA
89	DK4EF	2019	SSB	SO	ALL	LOW	NONE	59	59	26	1.534	DK4EF
90	LY5T	2019	SSB	SO	ALL	LOW	NONE	58	58	26	1.508	LY5T
91	ON6LO	2019	SSB	SO	ALL	LOW	NONE	51	51	28	1.428	
92	DG1LS	2019	SSB	SO	ALL	LOW	NONE	45	45	30	1.350	
93	OM8JP	2019	SSB	SO	ALL	LOW	NONE	49	49	27	1.323	
94	PD9Z	2019	SSB	SO	ALL	LOW	NONE	62	62	21	1.302	PD9Z
95	PD0WR	2019	SSB	SO	ALL	LOW	NONE	54	54	24	1.296	PD0WR
96	IN3AUD	2019	SSB	SO	ALL	LOW	NONE	54	54	24	1.296	
97	PA1EJO	2019	SSB	SO	ALL	LOW	NONE	56	56	23	1.288	PA1EJO
98	LY4ZZ	2019	SSB	SO	ALL	LOW	NONE	46	46	28	1.288	LY2BMX
99	PA2VS	2019	SSB	SO	ALL	LOW	NONE	49	49	26	1.274	PA2VS
100	LZ2FM	2019	SSB	SO	ALL	LOW	NONE	47	47	27	1.269	
101	IK8RJS	2019	SSB	SO	ALL	LOW	NONE	50	50	25	1.250	
102	EW8LM	2019	SSB	SO	ALL	LOW	NONE	44	44	28	1.232	
103	2E0NTV	2019	SSB	SO	ALL	LOW	NONE	42	42	28	1.176	2E0NTV
104	IK4XQT	2019	SSB	SO	ALL	LOW	NONE	52	52	22	1.144	
105	HB90GKM	2019	SSB	SO	ALL	LOW	NONE	41	41	27	1.107	HB9GKM
106	S57DD	2019	SSB	SO	ALL	LOW	NONE	38	38	29	1.102	
107	DL2LBK	2019	SSB	SO	ALL	LOW	NONE	40	40	27	1.080	
108	IZ3NVE	2019	SSB	SO	ALL	LOW	NONE	50	50	21	1.050	IZ3NVE
109	DO8ABS	2019	SSB	SO	ALL	LOW	NONE	42	42	25	1.050	

#	CALL	YEAR	MOD	CLASS	BAND	POWER	OLAY	QSO	POINTS	MULT	SCORE	OPERATOR
110	M0SZ	2019	SSB	SO	ALL	LOW	NONE	45	45	23	1.035	M0SZ
111	EA2WD	2019	SSB	SO	ALL	LOW	NONE	47	47	21	987	EA2WD
112	UW5Q	2019	SSB	SO	ALL	LOW	NONE	33	33	27	891	UR3QCW
113	DJ9DJ	2019	SSB	SO	ALL	LOW	NONE	35	35	25	875	DJ9DJ
114	OL1D	2019	SSB	SO	ALL	LOW	NONE	41	41	21	861	OK1DXW
115	ES1QD	2019	SSB	SO	ALL	LOW	NONE	39	39	22	858	ES1QD
116	IK2MMM	2019	SSB	SO	ALL	LOW	NONE	42	42	20	840	
117	PD5ISW	2019	SSB	SO	ALL	LOW	NONE	52	52	16	832	PD5ISW
118	9A1CVG	2019	SSB	SO	ALL	LOW	NONE	36	36	23	828	9A5OIA
119	IK4VET	2019	SSB	SO	ALL	LOW	NONE	43	43	19	817	
120	YO9HG	2019	SSB	SO	ALL	LOW	NONE	45	45	18	810	YO9HG
121	PA3CGJ	2019	SSB	SO	ALL	LOW	NONE	36	36	22	792	PA3CGJ
122	YL2LW	2019	SSB	SO	ALL	LOW	NONE	39	39	20	780	YL2LW
123	PA3DBS	2019	SSB	SO	ALL	LOW	NONE	39	39	20	780	PA3DBS
124	YO4GPC	2019	SSB	SO	ALL	LOW	NONE	42	42	18	756	
125	DL3IAS/P	2019	SSB	SO	ALL	LOW	NONE	32	32	23	736	DL3IAS
126	ES6RMR	2019	SSB	SO	ALL	LOW	NONE	35	35	21	735	ES6RMR
127	SP1DMD	2019	SSB	SO	ALL	LOW	NONE	33	33	22	726	SP1DMD
128	PD0WVB	2019	SSB	SO	ALL	LOW	NONE	50	50	14	700	PD0WVB
129	EI5KO	2019	SSB	SO	ALL	LOW	NONE	42	42	16	672	EI5KO
130	PE1ORG	2019	SSB	SO	ALL	LOW	NONE	32	32	20	640	PE1ORG
131	OK1PFM	2019	SSB	SO	ALL	LOW	NONE	30	30	21	630	
132	EA2SN	2019	SSB	SO	ALL	LOW	NONE	30	30	21	630	EA2SN
133	F6FTB	2019	SSB	SO	ALL	LOW	NONE	39	39	16	624	F6FTB
134	IW0HLZ	2019	SSB	SO	ALL	LOW	NONE	28	28	22	616	
135	IK2IKW	2019	SSB	SO	ALL	LOW	NONE	29	29	21	609	IK2IKW
136	DF9XI	2019	SSB	SO	ALL	LOW	NONE	30	30	20	600	
137	IW1CHX	2019	SSB	SO	ALL	LOW	NONE	29	29	20	580	
138	IV3IDP	2019	SSB	SO	ALL	LOW	NONE	30	30	19	570	
139	DJ7UC	2019	SSB	SO	ALL	LOW	NONE	29	29	19	551	
140	EA3DJL	2019	SSB	SO	ALL	LOW	NONE	25	25	20	500	EA3DJL
141	DB0DH	2019	SSB	SO	ALL	LOW	NONE	31	31	16	496	DL1EJM
142	RM7C	2019	SSB	SO	ALL	LOW	NONE	27	27	17	459	RM7C
143	YU1HFG	2019	SSB	SO	ALL	LOW	NONE	30	30	15	450	
144	R6DIP	2019	SSB	SO	ALL	LOW	NONE	26	26	16	416	R6DIP
145	RV3YR	2019	SSB	SO	ALL	LOW	NONE	24	24	17	408	
146	UA4ASE/6	2019	SSB	SO	ALL	LOW	NONE	28	28	14	392	
147	DL1JPF	2019	SSB	SO	ALL	LOW	NONE	23	23	17	391	-
148	EI9HAB	2019	SSB	SO	ALL	LOW	NONE	19	19	19	361	
149	OM1AJT	2019	SSB	SO	ALL	LOW	NONE	22	22	16	352	
150	M0QVE	2019	SSB	SO	ALL	LOW	NONE	28	28	12	336	M0QVE

#	CALL	YEAR	MOD	CLASS	BAND	POWER	OLAY	QSO	POINTS	MULT	SCORE	OPERATOR
151	UR3VHM	2019	SSB	SO	ALL	LOW	NONE	23	23	14	322	
152	SP4BAO	2019	SSB	SO	ALL	LOW	NONE	22	22	14	308	
153	PD1ABO	2019	SSB	SO	ALL	LOW	NONE	25	25	12	300	PD1ABO
154	UR5FIL	2019	SSB	SO	ALL	LOW	NONE	22	22	13	286	UR5FIL
155	DL5AAZ	2019	SSB	SO	ALL	LOW	NONE	20	20	14	280	DL5AAZ
156	RA3DGH	2019	SSB	SO	ALL	LOW	NONE	18	18	15	270	
157	DO4MTB	2019	SSB	SO	ALL	LOW	NONE	17	17	15	255	DO4MTB
158	DL7FB	2019	SSB	SO	ALL	LOW	NONE	23	23	11	253	
159	R3VR	2019	SSB	SO	ALL	LOW	NONE	18	18	14	252	RV3VR
160	DO1TOM	2019	SSB	SO	ALL	LOW	NONE	20	20	12	240	DO1TOM
161	PD7CJT	2019	SSB	SO	ALL	LOW	NONE	23	23	10	230	PD7CJT
162	R2PT	2019	SSB	SO	ALL	LOW	NONE	13	13	13	169	R2PT
163	G0AKF	2019	SSB	SO	ALL	LOW	NONE	15	15	11	165	
164	DF9YC	2019	SSB	SO	ALL	LOW	NONE	15	15	11	165	DF9YC
165	M6YTU/A	2019	SSB	SO	ALL	LOW	NONE	14	14	10	140	M6YTU/A
166	UR5FCM	2019	SSB	SO	ALL	LOW	NONE	14	14	9	126	UR5FCM
167	DL1LSW	2019	SSB	SO	ALL	LOW	NONE	13	13	9	117	
168	9A3GVD	2019	SSB	SO	ALL	LOW	NONE	13	13	9	117	9A3GVD
169	IW9BJP	2019	SSB	SO	ALL	LOW	NONE	9	9	9	81	
170	SP9KJU	2019	SSB	SO	ALL	LOW	NONE	13	13	6	78	SP9MDY
171	YO7MSJ	2019	SSB	SO	ALL	LOW	NONE	9	9	8	72	YO7MSJ
172	DL7UAI	2019	SSB	SO	ALL	LOW	NONE	9	9	6	54	
173	SP6ELT	2019	SSB	SO	ALL	LOW	NONE	7	7	6	42	
174	M0HUI	2019	SSB	SO	ALL	LOW	NONE	7	7	6	42	M0HUI
175	R3LC	2019	SSB	SO	ALL	LOW	NONE	6	6	6	36	R3LC
176	IU1LFA	2019	SSB	SO	ALL	LOW	NONE	6	6	6	36	
177	IU3KIE	2019	SSB	SO	ALL	LOW	NONE	6	6	5	30	IU3KIE
178	SP2TQQ	2019	SSB	SO	ALL	LOW	NONE	5	5	4	20	
179	PA9TT	2019	SSB	SO	ALL	LOW	NONE	5	5	4	20	PA9TT
180	OE3MCS/M	2019	SSB	SO	ALL	LOW	NONE	4	4	3	12	OE3MCS
181	EA1JBY	2019	SSB	SO	ALL	LOW	NONE	3	3	3	9	EA1JBY
182	DJ6DO	2019	SSB	SO	ALL	LOW	NONE	2	2	2	4	DJ6DO
183	DM2XM	2019	SSB	SO	ALL	LOW	NONE	1	1	1	1	DM2XM
#	CALL	YEAR	MOD	CLASS	BAND	POWER	OLAY	QSO	POINTS	MULT	SCORE	OPERATOR
1	LZ1DM	2019	SSB	SO	ALL	QRP	NONE	152	152	57	8.664	LZ1DM
2	DK9BM	2019	SSB	SO	ALL	QRP	NONE	89	89	50	4.450	
3	RT4W	2019	SSB	SO	ALL	QRP	NONE	108	108	40	4.320	
4	YL3FW	2019	SSB	SO	ALL	QRP	NONE	68	68	38	2.584	YL3FW
5	9A5OIA	2019	SSB	SO	ALL	QRP	NONE	58	58	32	1.856	9A5OIA
6	PA0AWH	2019	SSB	SO	ALL	QRP	NONE	51	51	35	1.785	
7	IK3XTY	2019	SSB	SO	ALL	QRP	NONE	59	59	26	1.534	

#	CALL	YEAR	MOD	CLASS	BAND	POWER	OLAY	QSO	POINTS	MULT	SCORE	OPERATOR
8	LY5G	2019	SSB	SO	ALL	QRP	NONE	45	45	32	1.440	
9	IU2GGD	2019	SSB	SO	ALL	QRP	NONE	51	51	26	1.326	
10	F8ATM	2019	SSB	SO	ALL	QRP	NONE	43	43	20	860	
11	RZ3ARO/6	2019	SSB	SO	ALL	QRP	NONE	39	39	21	819	RZ3ARO
12	IU2HEE	2019	SSB	SO	ALL	QRP	NONE	38	38	17	646	
13	IK0VWH	2019	SSB	SO	ALL	QRP	NONE	25	25	16	400	IK0VWH
14	DF7XR	2019	SSB	SO	ALL	QRP	NONE	25	25	15	375	
15	UX3UU	2019	SSB	SO	ALL	QRP	NONE	20	20	17	340	UX3UU
16	HA5BA	2019	SSB	SO	ALL	QRP	NONE	18	18	15	270	
17	M0XLT	2019	SSB	SO	ALL	QRP	NONE	18	18	14	252	
18	HB9CNY	2019	SSB	SO	ALL	QRP	NONE	13	13	11	143	HB9CNY
#	CALL	YEAR	MOD	CLASS	BAND	POWER	OLAY	QSO	POINTS	MULT	SCORE	OPERATOR
1	I2WIJ	2019	SSB	SA	ALL	HIGH	NONE	547	547	131	71.657	
2	S57DX	2019	SSB	SA	ALL	HIGH	NONE	398	398	114	45.372	S57DX
3	RW3XZ	2019	SSB	SA	ALL	HIGH	NONE	321	321	114	36.594	RW3XZ
4	LZ1ND	2019	SSB	SA	ALL	HIGH	NONE	374	374	97	36.278	LZ1ND
5	IT9ESW	2019	SSB	SA	ALL	HIGH	NONE	323	323	107	34.561	
6	DG6SA	2019	SSB	SA	ALL	HIGH	NONE	330	330	90	29.700	DG6SA
7	DG9SEH	2019	SSB	SA	ALL	HIGH	NONE	315	315	93	29.295	DG9SEH
8	EI5KF	2019	SSB	SA	ALL	HIGH	NONE	229	229	85	19.465	
9	SP3ZHP	2019	SSB	SA	ALL	HIGH	NONE	223	223	84	18.732	SQ3JPV
10	IU3BTY	2019	SSB	SA	ALL	HIGH	NONE	268	268	65	17.420	IU3BTY
11	4U1A	2019	SSB	SA	ALL	HIGH	NONE	253	253	66	16.698	OE1ZZZ
12	RM2D	2019	SSB	SA	ALL	HIGH	NONE	196	196	83	16.268	SM6LRR
13	RL4A	2019	SSB	SA	ALL	HIGH	NONE	184	184	87	16.008	
14	PA3AAV	2019	SSB	SA	ALL	HIGH	NONE	197	197	80	15.760	PA3AAV
15	EC1DD	2019	SSB	SA	ALL	HIGH	NONE	219	219	70	15.330	EC1DD
16	DM5RC	2019	SSB	SA	ALL	HIGH	NONE	163	163	75	12.225	DM5RC
17	UT7FA	2019	SSB	SA	ALL	HIGH	NONE	168	168	69	11.592	UT7FA
18	DL1NKS	2019	SSB	SA	ALL	HIGH	NONE	160	160	65	10.400	DL1NKS
19	DL1FMK	2019	SSB	SA	ALL	HIGH	NONE	151	151	60	9.060	DL1FMK
20	IK5RLP	2019	SSB	SA	ALL	HIGH	NONE	225	225	39	8.775	IK5RLP
21	SP1GA	2019	SSB	SA	ALL	HIGH	NONE	140	140	60	8.400	SP1GA
22	G1SQY	2019	SSB	SA	ALL	HIGH	NONE	113	113	57	6.441	G1SQY
23	IZ2ODM	2019	SSB	SA	ALL	HIGH	NONE	107	107	49	5.243	
24	PA7WW	2019	SSB	SA	ALL	HIGH	NONE	100	100	42	4.200	PA7WW
25	R5FU	2019	SSB	SA	ALL	HIGH	NONE	80	80	52	4.160	R5FU
26	LY4OO	2019	SSB	SA	ALL	HIGH	NONE	78	78	49	3.822	LY4OO
27	UC6K	2019	SSB	SA	ALL	HIGH	NONE	102	102	35	3.570	RX7K
28	OE3IDE	2019	SSB	SA	ALL	HIGH	NONE	102	102	35	3.570	OE3IDE
29	UA6AA	2019	SSB	SA	ALL	HIGH	NONE	95	95	36	3.420	UA6AA

#	CALL	YEAR	MOD	CLASS	BAND	POWER	OLAY	QSO	POINTS	MULT	SCORE	OPERATOR
30	LZ2HR	2019	SSB	SA	ALL	HIGH	NONE	99	99	34	3.366	LZ2HR
31	YL2EA	2019	SSB	SA	ALL	HIGH	NONE	68	68	42	2.856	YL2EA
32	EC3AIT	2019	SSB	SA	ALL	HIGH	NONE	67	67	36	2.412	EC3AIT
33	M0SNA	2019	SSB	SA	ALL	HIGH	NONE	70	70	30	2.100	M0SNA
34	LZ5QZ	2019	SSB	SA	ALL	HIGH	NONE	61	61	33	2.013	LZ5QZ
35	OK2QA	2019	SSB	SA	ALL	HIGH	NONE	50	50	33	1.650	OK2QA
36	DG7NFX	2019	SSB	SA	ALL	HIGH	NONE	58	58	23	1.334	DG7NFX
37	G2Z	2019	SSB	SA	ALL	HIGH	NONE	46	46	25	1.150	G2Z
38	IZ0OTV	2019	SSB	SA	ALL	HIGH	NONE	50	50	22	1.100	
39	EA3PT	2019	SSB	SA	ALL	HIGH	NONE	31	31	26	806	EA3PT
40	EA4BMG	2019	SSB	SA	ALL	HIGH	NONE	30	30	24	720	EA4BMG
41	EA3OH	2019	SSB	SA	ALL	HIGH	NONE	35	35	16	560	EA3OH
42	IW3HV	2019	SSB	SA	ALL	HIGH	NONE	30	30	18	540	
43	M1CCY	2019	SSB	SA	ALL	HIGH	NONE	28	28	18	504	M1CCY
44	PA3OES	2019	SSB	SA	ALL	HIGH	NONE	24	24	17	408	PA3OES
45	IZ2KPE	2019	SSB	SA	ALL	HIGH	NONE	22	22	15	330	
46	UW5ZM	2019	SSB	SA	ALL	HIGH	NONE	17	17	13	221	UW5ZM
47	DL1DTL	2019	SSB	SA	ALL	HIGH	NONE	12	12	10	120	
48	UA4C	2019	SSB	SA	ALL	HIGH	NONE	11	11	7	77	UA4C
#	CALL	YEAR	MOD	CLASS	BAND	POWER	OLAY	QSO	POINTS	MULT	SCORE	OPERATOR
1	LY2A	2019	SSB	SA	LO-B	-	NONE	269	269	69	18.561	LY2KA
2	LY2MM	2019	SSB	SA	LO-B	-	NONE	193	193	60	11.580	LY2MM
3	DL8AAV	2019	SSB	SA	LO-B	-	NONE	158	158	62	9.796	DL8AAV
4	LY5I	2019	SSB	SA	LO-B	-	NONE	149	149	59	8.791	LY5I
5	9A3B	2019	SSB	SA	LO-B	-	NONE	127	127	57	7.239	9A1AA
6	UT1S	2019	SSB	SA	LO-B	-	NONE	131	131	53	6.943	UR5STI
7	OK1AY	2019	SSB	SA	LO-B	-	NONE	116	116	48	5.568	OK1AY
8	SP2GOW	2019	SSB	SA	LO-B	-	NONE	102	102	52	5.304	SP2GOW
9	SO5MAX	2019	SSB	SA	LO-B	-	NONE	103	103	47	4.841	
10	LY2SA	2019	SSB	SA	LO-B	-	NONE	104	104	46	4.784	LY2SA
11	YL2PP	2019	SSB	SA	LO-B	-	NONE	95	95	49	4.655	
12	LY7T	2019	SSB	SA	LO-B	-	NONE	92	92	47	4.324	
13	YL3GQ	2019	SSB	SA	LO-B	-	NONE	94	94	43	4.042	YL3GQ
14	SP5BUJ	2019	SSB	SA	LO-B	-	NONE	83	83	45	3.735	SP5BUJ
15	RC1W	2019	SSB	SA	LO-B	-	NONE	46	46	25	1.150	
16	DL2LDE	2019	SSB	SA	LO-B	-	NONE	45	45	23	1.035	DL2LDE
17	IZ5OQX	2019	SSB	SA	LO-B	-	NONE	22	22	20	440	IZ5OQX
18	F4FET	2019	SSB	SA	LO-B	-	NONE	20	20	18	360	F4FET
19	SQ5EXM	2019	SSB	SA	LO-B	-	NONE	21	21	15	315	SQ5EXM
20	EA3KX	2019	SSB	SA	LO-B	-	NONE	15	15	12	180	EA3KX
#	CALL	YEAR	MOD	CLASS	BAND	POWER	OLAY	QSO	POINTS	MULT	SCORE	OPERATOR

#	CALL	YEAR	MOD	CLASS	BAND	POWER	OLAY	QSO	POINTS	MULT	SCORE	OPERATOR
1	IW1FRU	2019	SSB	SA	ALL	LOW	NONE	366	366	90	32.940	IW1FRU
2	RZ3Z	2019	SSB	SA	ALL	LOW	NONE	299	299	97	29.003	RZ3Z
3	9A5Y	2019	SSB	SA	ALL	LOW	NONE	284	284	78	22.152	9A3LG
4	UW8SM	2019	SSB	SA	ALL	LOW	NONE	247	247	88	21.736	UW8SM
5	G1E	2019	SSB	SA	ALL	LOW	NONE	205	205	79	16.195	G1TPA
6	G9Y	2019	SSB	SA	ALL	LOW	NONE	172	172	70	12.040	M0NCG
7	9A6DJX	2019	SSB	SA	ALL	LOW	NONE	157	157	62	9.734	
8	US5QUB	2019	SSB	SA	ALL	LOW	NONE	139	139	66	9.174	US5QUB
9	PC1PM	2019	SSB	SA	ALL	LOW	NONE	135	135	67	9.045	PC1PM
10	DL2SWR	2019	SSB	SA	ALL	LOW	NONE	138	138	63	8.694	
11	UA6YN	2019	SSB	SA	ALL	LOW	NONE	126	126	65	8.190	UA6YN
12	2E0JTS	2019	SSB	SA	ALL	LOW	NONE	127	127	60	7.620	2E0JTS
13	IK4LZH	2019	SSB	SA	ALL	LOW	NONE	185	185	38	7.030	IK4LZH
14	DB5ABS	2019	SSB	SA	ALL	LOW	NONE	107	107	59	6.313	
15	UT3EK	2019	SSB	SA	ALL	LOW	NONE	106	106	58	6.148	UT3EK
16	YO3IPR	2019	SSB	SA	ALL	LOW	NONE	101	101	56	5.656	YO3IPR
17	PE5O	2019	SSB	SA	ALL	LOW	NONE	97	97	55	5.335	PE5O
18	IW2MXY	2019	SSB	SA	ALL	LOW	NONE	149	149	35	5.215	
19	M9X	2019	SSB	SA	ALL	LOW	NONE	113	113	46	5.198	M9X
20	UR2Y	2019	SSB	SA	ALL	LOW	NONE	118	118	44	5.192	US0YW
21	PA3DAT	2019	SSB	SA	ALL	LOW	NONE	98	98	51	4.998	PA3DAT
22	YT5AKO	2019	SSB	SA	ALL	LOW	NONE	92	92	49	4.508	
23	PE1EWR	2019	SSB	SA	ALL	LOW	NONE	101	101	44	4.444	PE1EWR
24	SV3RPQ	2019	SSB	SA	ALL	LOW	NONE	105	105	42	4.410	SV3RPQ
25	PA4R	2019	SSB	SA	ALL	LOW	NONE	89	89	46	4.094	PA4R
26	HB9OCR	2019	SSB	SA	ALL	LOW	NONE	87	87	43	3.741	HB9OCR
27	IU3LYJ	2019	SSB	SA	ALL	LOW	NONE	91	91	39	3.549	
28	IK3XTV	2019	SSB	SA	ALL	LOW	NONE	96	96	36	3.456	
29	UY2IG	2019	SSB	SA	ALL	LOW	NONE	106	106	29	3.074	UY2IG
30	SV3SKM	2019	SSB	SA	ALL	LOW	NONE	68	68	44	2.992	SV3SKM
31	SQ9S	2019	SSB	SA	ALL	LOW	NONE	78	78	38	2.964	SQ9S
32	IU8JPG	2019	SSB	SA	ALL	LOW	NONE	74	74	38	2.812	
33	ER3CT	2019	SSB	SA	ALL	LOW	NONE	67	67	41	2.747	ER3CT
34	HB9OAB	2019	SSB	SA	ALL	LOW	NONE	101	101	27	2.727	HB9OAB
35	LY2TS	2019	SSB	SA	ALL	LOW	NONE	68	68	37	2.516	LY2TS
36	DJ4MH	2019	SSB	SA	ALL	LOW	NONE	64	64	38	2.432	
37	ON6LR	2019	SSB	SA	ALL	LOW	NONE	73	73	32	2.336	ON6LR
38	IT9OPR	2019	SSB	SA	ALL	LOW	NONE	80	80	27	2.160	
39	OM3KHE	2019	SSB	SA	ALL	LOW	NONE	73	73	29	2.117	OM1ARI
40	RL3T	2019	SSB	SA	ALL	LOW	NONE	63	63	32	2.016	RL3T
41	RU3TJ	2019	SSB	SA	ALL	LOW	NONE	55	55	34	1.870	RU3TJ

#	CALL	YEAR	MOD	CLASS	BAND	POWER	OLAY	QSO	POINTS	MULT	SCORE	OPERATOR
42	S56A	2019	SSB	SA	ALL	LOW	NONE	50	50	31	1.550	S56A
43	2E0PLA	2019	SSB	SA	ALL	LOW	NONE	55	55	27	1.485	2E0PLA
44	DO4TP	2019	SSB	SA	ALL	LOW	NONE	50	50	27	1.350	
45	EA5JN	2019	SSB	SA	ALL	LOW	NONE	55	55	23	1.265	EA5JN
46	PA2Z	2019	SSB	SA	ALL	LOW	NONE	46	46	24	1.104	PA2Z
47	DK5TX	2019	SSB	SA	ALL	LOW	NONE	42	42	26	1.092	
48	PC4L	2019	SSB	SA	ALL	LOW	NONE	43	43	24	1.032	PC4L
49	DL7KAY	2019	SSB	SA	ALL	LOW	NONE	36	36	26	936	DL7KAY
50	PA1VD	2019	SSB	SA	ALL	LOW	NONE	33	33	27	891	PA1VD
51	F4IDD	2019	SSB	SA	ALL	LOW	NONE	40	40	19	760	F4IDD
52	PA0TJJ	2019	SSB	SA	ALL	LOW	NONE	30	30	22	660	PA0TJJ
53	M0DSL	2019	SSB	SA	ALL	LOW	NONE	36	36	16	576	M0DSL
54	LZ2PS	2019	SSB	SA	ALL	LOW	NONE	32	32	18	576	LZ2PS
55	PA3HCC	2019	SSB	SA	ALL	LOW	NONE	28	28	18	504	PA3HCC
56	PA3DWK	2019	SSB	SA	ALL	LOW	NONE	30	30	16	480	PA3DWK
57	PA1TO	2019	SSB	SA	ALL	LOW	NONE	30	30	16	480	PA1TO
58	PG6F	2019	SSB	SA	ALL	LOW	NONE	35	35	12	420	PA0GRU
59	M0JND	2019	SSB	SA	ALL	LOW	NONE	26	26	16	416	M0JND
60	SV8NBI	2019	SSB	SA	ALL	LOW	NONE	25	25	15	375	SV8NBI
61	PD0OYF	2019	SSB	SA	ALL	LOW	NONE	19	19	12	228	PD0OYF
62	RA3R	2019	SSB	SA	ALL	LOW	NONE	12	12	10	120	RA3R
63	PE1HWO	2019	SSB	SA	ALL	LOW	NONE	6	6	6	36	
64	2E0FIO	2019	SSB	SA	ALL	LOW	NONE	7	7	5	35	2E0FIO
65	F4CPF	2019	SSB	SA	ALL	LOW	NONE	5	5	5	25	F4CPF
66	M0WCZ	2019	SSB	SA	ALL	LOW	NONE	3	3	2	6	M0WCZ
#	CALL	YEAR	MOD	CLASS	BAND	POWER	OLAY	QSO	POINTS	MULT	SCORE	OPERATOR
1	MM3AWD	2019	SSB	SA	ALL	QRP	NONE	190	190	72	13.680	MM3AWD
2	YO4AAC	2019	SSB	SA	ALL	QRP	NONE	88	88	27	2.376	YO4AAC
3	PA0VLA	2019	SSB	SA	ALL	QRP	NONE	37	37	25	925	PA0VLA
4	PE2K	2019	SSB	SA	ALL	QRP	NONE	28	28	23	644	PE2K
5	DL/OH2KM	2019	SSB	SA	ALL	QRP	NONE	30	30	12	360	OH2KM
#	CALL	YEAR	MOD	CLASS	BAND	POWER	OLAY	QSO	POINTS	MULT	SCORE	OPERATOR
1	LZ5R	2019	SSB	M-1	ALL	-	NONE	555	555	136	75.480	YU4RED YU3VIP LZ1JZ LZ1UK LZ1YQ LZ5DB Z36W
2	IT9YVO	2019	SSB	M-1	ALL	-	NONE	518	518	134	69.412	IT9SSI-IT9YVO
3	HG6V	2019	SSB	M-1	ALL	-	NONE	310	310	101	31.310	HA5PA HA6IHA HA6QT
4	YT0T	2019	SSB	M-1	ALL	-	NONE	267	267	83	22.161	YU1TTY YU4UKI YU4ANA YU4ZKU YT5IVN

#	CALL	YEAR	MOD	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT	SCORE	OPERATOR
5	MS0FNR	2019	SSB	M-1	ALL	-	NONE	209	209	74	15.466	MS0FNR
6	OK2KYK	2019	SSB	M-1	ALL	-	NONE	196	196	73	14.308	OK2BUT OK2-36552
7	HA5TOP	2019	SSB	M-1	ALL	-	NONE	178	178	74	13.172	HA5BI HA7GSZ
8	RK4HYT	2019	SSB	M-1	ALL	-	NONE	171	171	66	11.286	
9	HB9BC	2019	SSB	M-1	ALL	-	NONE	154	154	70	10.780	HB9FZA HB3YWN HB9FGF HB9GYW HB9GHC HB9TPU HB9GNZ HB9CYX HB9HBS HB9GYY
10	OE1XA	2019	SSB	M-1	ALL	-	NONE	135	135	63	8.505	OE1LZS OE1RHC
11	IQ0QJ	2019	SSB	M-1	ALL	-	NONE	127	127	58	7.366	IU0ARA IW0QO
12	EA3GZR	2019	SSB	M-1	ALL	-	NONE	55	55	40	2.200	EA3GZR EA3HYL EA3HYK EB3AN EA3IDY
13	UW6M	2019	SSB	M-1	ALL	-	NONE	48	48	31	1.488	UR2MR UY7MF UR3MP US2MT
14	UR4SYM	2019	SSB	M-1	ALL	-	NONE	58	58	21	1.218	UR5SAM UR4SYM

Checklogs: DG1FN, DK3GG, DL7USW/P, ES6PA, G7RTI, HA1VHF, IU2CVS, LY5XX, LY9A, LZ1QN, M0PLS, M6EAM, OK1NYD, ON3AT, OP4A, SQ8GHY , UR6EA

Results SAC SSB 2019 NORTH AMERICA

#	CALL	YEAR	MOD	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT	SCORE	OPERATORS
1	K8MFO	2019	SSB	SO	ALL	HIGH	NONE	135	207	59	12.213	K8MFO
2	K3ZO	2019	SSB	SO	ALL	HIGH	NONE	93	191	53	10.123	
3	K4BAI	2019	SSB	SO	ALL	HIGH	NONE	59	59	26	1.534	K4BAI
4	KA8Q	2019	SSB	SO	ALL	HIGH	NONE	49	55	25	1.375	KA8Q
5	N2ZN	2019	SSB	SO	ALL	HIGH	NONE	48	48	24	1.152	N2ZN
6	W1GXZ	2019	SSB	SO	ALL	HIGH	NONE	38	38	22	836	W1GXZ
7	WA2VYA	2019	SSB	SO	ALL	HIGH	NONE	12	12	12	144	WA2VYA
8	AK4VQ	2019	SSB	SO	ALL	HIGH	NONE	9	9	9	81	AK4VQ
#	CALL	YEAR	MOD	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT	SCORE	OPERATORS
1	VE3DZ	2019	SSB	SO	ALL	LOW	NONE	47	49	28	1.372	VE3DZ
2	VE3TM	2019	SSB	SO	ALL	LOW	NONE	33	33	21	693	VE3TM
3	N7ZZ	2019	SSB	SO	ALL	LOW	NONE	33	33	21	693	N7ZZ
4	W1ABK	2019	SSB	SO	ALL	LOW	NONE	11	11	9	99	W1ABK
5	W4HRL	2019	SSB	SO	ALL	LOW	NONE	7	7	7	49	
6	VA2YZX	2019	SSB	SO	ALL	LOW	NONE	4	4	4	16	VA2YZX @VA2YZX

#	CALL	YEAR	MOD	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT	SCORE	OPERATORS
7	N2MTG	2019	SSB	SO	ALL	LOW	NONE	1	1	1	1	
1	K3TW	2019	SSB	SO	ALL	QRP	NONE	30	30	17	510	K3TW
#	CALL	YEAR	MOD	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT	SCORE	OPERATORS
1	KC1XX	2019	SSB	SA	ALL	HIGH	NONE	225	355	78	27.690	
2	K8LX	2019	SSB	SA	ALL	HIGH	NONE	51	51	28	1.428	K8LX
3	K4RUM	2019	SSB	SA	ALL	HIGH	NONE	57	57	24	1.368	K4RUM
4	N5AW	2019	SSB	SA	ALL	HIGH	NONE	40	44	29	1.276	
5	K5FUV	2019	SSB	SA	ALL	HIGH	NONE	39	39	25	975	K5FUV
6	VE5MX	2019	SSB	SA	ALL	HIGH	NONE	37	37	25	925	VE5MX
7	AC1EV	2019	SSB	SA	ALL	HIGH	NONE	39	39	20	780	AC1EV
8	K1TH	2019	SSB	SA	ALL	HIGH	NONE	31	31	20	620	K1TH
9	N3QE	2019	SSB	SA	ALL	HIGH	NONE	27	27	22	594	N3QE
10	NO2C	2019	SSB	SA	ALL	HIGH	NONE	24	26	16	416	NO2C
11	K2IW	2019	SSB	SA	ALL	HIGH	NONE	26	26	16	416	K2IW
12	WV4P	2019	SSB	SA	ALL	HIGH	NONE	19	19	16	304	WV4P
13	W6TK	2019	SSB	SA	ALL	HIGH	NONE	11	11	10	110	W6TK
#	CALL	YEAR	MOD	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT	SCORE	OPERATORS
1	VE9ML	2019	SSB	SA	ALL	LOW	NONE	56	84	37	3.108	VE9ML
2	W1GD	2019	SSB	SA	ALL	LOW	NONE	51	67	33	2.211	W1GD
3	N5JR	2019	SSB	SA	ALL	LOW	NONE	36	36	23	828	N5JR
4	K1NZ	2019	SSB	SA	ALL	LOW	NONE	18	30	16	480	K1NZ
5	VE3HG	2019	SSB	SA	ALL	LOW	NONE	25	25	19	475	VE3HG
6	VE9MO	2019	SSB	SA	ALL	LOW	NONE	17	17	10	170	VE9MO
7	W8TB	2019	SSB	SA	ALL	LOW	NONE	7	7	7	49	W8TB
8	KK4BZ	2019	SSB	SA	ALL	LOW	NONE	2	6	2	12	KK4BZ
#	CALL	YEAR	MOD	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT	SCORE	OPERATORS
1	K8ZT	2019	SSB	SA	ALL	QRP	NONE	10	10	10	100	K8ZT
#	CALL	YEAR	MOD	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT	SCORE	OPERATORS
1	NV9L	2019	SSB	M-1	ALL	HIGH	NONE	126	156	44	6.864	NV9L WT2P WB9Z
2	N1SOH	2019	SSB	M-1	ALL	HIGH	NONE	15	15	10	150	N1SOH W1FM

Results SAC SSB 2019 OCEANIA

#	CALL	YEAR	MOD	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT	SCORE	OPERATORS
1	YB3IZK	2019	SSB	SO	ALL	HIGH	NONE	51	59	34	2.006	
2	YB7OO	2019	SSB	SO	ALL	HIGH	NONE	11	31	9	279	YB7OO
3	VK2CZ	2019	SSB	SO	ALL	HIGH	NONE	14	14	9	126	VK2CZ
#	CALL	YEAR	MOD	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT	SCORE	OPERATORS
1	DU1AVC	2019	SSB	SO	ALL	LOW	NONE	12	12	9	108	DU1AVC
2	YC3RJL	2019	SSB	SO	ALL	LOW	NONE	5	15	4	60	YC3RJL
3	YD9VIZ	2019	SSB	SO	ALL	LOW	NONE	2	6	2	12	YD9VIZ

#	CALL	YEAR	MOD	CLASS	BAND	POWER	O_LAY	QSO	POINTS	MULT	SCORE	OPERATORS
4	4I1EAY	2019	SSB	SO	ALL	LOW	NONE	2	2	2	4	
5	YB3BAR	2019	SSB	SO	ALL	LOW	NONE	0	0	0	0	YB3BAR
#	CALL	YEAR	MOD	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT	SCORE	OPERATORS
1	YB0ANN	2019	SSB	SO	ALL	QRP	NONE	4	4	4	16	
#	CALL	YEAR	MOD	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT	SCORE	OPERATORS
1	YF3DFB	2019	SSB	SA	ALL	HIGH	NONE	2	6	2	12	YF3DFB
#	CALL	YEAR	MOD	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT	SCORE	OPERATORS
1	YF3CYT	2019	SSB	SA	LO-B	-	NONE	6	18	5	90	YF3CYT
#	CALL	YEAR	MOD	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT	SCORE	OPERATORS
1	YC8EJ	2019	SSB	SA	ALL	LOW	NONE	11	11	6	66	YC8EJ
2	YE7SPN	2019	SSB	SA	ALL	LOW	NONE	4	12	4	48	YE7SPN
#	CALL	YEAR	MOD	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT	SCORE	OPERATORS
1	YG3FZR	2019	SSB	SA	ALL	QRP	NONE	1	3	1	3	YG3FZR
#	CALL	YEAR	MOD	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT	SCORE	OPERATORS
1	9M4CRP	2019	SSB	M-1	ALL	-	NONE	10	20	9	180	9W6AJA 9W6MOZ 9WW6WOT 9W6AUA 9W6OMG
2	YB3ZBD	2019	SSB	M-1	ALL	-	NONE	5	15	4	60	YF3CYU YF3CYS YG3CYT YC3VRY YD3RJL YD3UX

Results SAC SSB 2019 SOUTH AMERICA

#	CALL	YEAR	MOD	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT	SCORE	OPERATORS
1	PJ4DX	2019	SSB	SO	ALL	HIGH	NONE	102	126	43	5.418	PJ4DX
2	PY9MP	2019	SSB	SO	ALL	HIGH	NONE	5	15	5	75	PY9MP
3	PP5SB	2019	SSB	SO	ALL	HIGH	NONE	9	9	8	72	1
#	CALL	YEAR	MOD	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT	SCORE	OPERATORS
1	PY5QW	2019	SSB	SA	ALL	HIGH	NONE	70	70	35	2.450	PY5QW
#	CALL	YEAR	MOD	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT	SCORE	OPERATORS
1	PT7ZT	2019	SSB	SA	ALL	LOW	NONE	55	55	29	1.595	PT7ZT
#	CALL	YEAR	MOD	CLASS	BAND	POWER	O-LAY	QSO	POINTS	MULT	SCORE	OPERATORS
1	CE2LS	2019	SSB	M-1	ALL	-	NONE	17	47	12	564	CE2RTF CE2SQE



4Z4KX as UP2OE 1968

My first participation in the SAC was in 1968 as UP2OE. I won 2 place in Lithuania and have a certificate showing it.

Now I live in Israel and my call is now 4Z4KX.

I have also several SAC Awards on 4Z4KX call too.

Looking forward to get the Gold SAC award

Thank you in advance,

73,Mark





Soapbox

CW

AA2A: thanks to dave, k1ttt, for the use of his fine station

CT1DRB: nice contest and had a lot of fun.

DF1SZ: rig: k3 - ant: 15m lw

DH5MM: technical problems

DJ3GE: qrp 5 watt from ft817 via tuner z11 to off-center-fed dipole fd3 21m long, 8m high.

DJ3XD: tnx contest

DK5ZX: a nice contest again! thanks for all ufb qso's! hpe cuagn sn! vy 73 es gl! dk5zx / dieter ("ter")

DK7OG: poor propagation for 5w and a stealth dipole in the attic

DL1DTL: ex calls: dm2atl, dt2atl, y21tl, y30atl

DL1EAL: trx: qcx single band qrp transceiver, 4 watt ant: random wire, 24m long at 25 m above ground

DL1THB: tnx fer nice contest. 73 harald-dl1thb

DL1YPF: nice contest. had great fun!

DL2DWP: yaesu ft-817nd, 5 watt, zm-4, magnetic-loop indoor 3m up ground

DL2ZA: ts 850 s - 2x 19,5m - doppelzepp - huehnerleitung

DL5JQ: first time participation in sac was in the 25th sac 1983, finished 1st in germany.

DO7ES: trx flexradio 6300 ant: titan dx

E78CB: atlas 210x, 50w, dipole

EA4BAS: icom 7300

EA8DIG: sdr trcvr sunsdr2-pro, spe 1.3kfa, verticals

ES1QD: first sac ssb contest award ur2qd in 1972,(ur2qd 16 awards cw/ssb)

EU4U: ew4am@tut.by

EU8F: 73

EW1FM: i participated in sac since 1974. tnx & 73!

EW8DX: tnx

F3WT: checklog

F6HHR: ft817 5w - ant center fed zepp 2 * 7m at 10m up all for nice contest, 73

F6HJO: many many sac-stations !

F6IRA: ftdx_101d 4el@21, 2el40@18, dip+invl80. sad propagation

F/G3VYI: holliday op from campervan in brittany with g whip on van, merci.

G1M: sd used for logging easy to use and monitor qso progress dupes and check multiples and score

G3VQO: just giving away a few points - most enjoyable

G3WRR: serials 03 & 12 sent twice - sorry. the last time i took part in sac was 1968 - and i don't think i submitted a log! enjoyable contest - hope to be back next year. pleased to make a few qso's on 10m.

G3ZGC: lots of electrical qrm on 80m.

G3ZRJ: glad to give out some points

GM4FDM: gave this one a few hours on the hf as i dont have any low band antennas. after about 1400z on saturday i couldnt hear any scandinavia on any band. sunday morning was a little more prosperous when 15m opened to sac and i even managed one qso on 10m but i'm sure others were beaming into central europe and i'm sure if a few more had beamed west i might have got lucky. the skip from gm to la is very difficult at times and so i only managed a couple of las and ozs nothing from oy/jw/tf but as i was not connected to the cluster i couldnt find any that were there. a nice little contest with most stations easy to read.

HA0GK: rig: ft450 power: 100w - ant: gpn4b by dunax

HA2MN: many thanks for qso's, hope to meet you next time. rig ts-530sp 100w ant end-fed wire 21 mtrs long.

HA3FMR: rig: ft-847; ant: w3dzz

HA8AR: only 1-2 hours free time for contest. many good cw operators. thanks 73!

HA9TA: e-mail: szalkotibor@gmail.com ic7000, vertical

HB9ARF: elecraft k3 + kpa500 amplifier 500 watts antennas . kelemen dipole for 3.5 mhz force 12 c-4s (2 elements on 14/21/28 mhz shortened dipole on 7 mhz)

I2WIJ: great fun, as usual, but nothing to do with eastern eu stations on 10 and 15 meters there wasn't competition! thanks for the contest. bob, i2wij

IK4XQT: kenwood ts 140 s 40 w ant.windom below of roof!

IT9CKA: ottimo contest, ho partecipato con molto ritardo, mi sono divertito, solo 100watt antenna dipolo e ts-2000.

IV3DRP: ft 817 5w g5rv

IV3EAD: iv3ead

JA0BJY: cndx was not good.

JA2HYD: tnx fb contest !!

JA2KKA: icom ic7100 100w inv vee 12avq triband vertical

JA5QJX/0: thank you for organizing the contest.

JA6BWH: 76years

JA9LNZ: i enjoyed the contest.

JG1LHB: i enjoyed the contest.

JG2RFJ: i enjoyed the contest.

JH0ILL: rig ts-480hx / acom 1000

JH0ILL: ant 2/4ele yagi

JI7V NJ: i enjoyed the contest.

JK1HIY: i enjoyed sac.scandinavia is the closest europe to japan.

JR1LLD: rig: the kd1jv tri-bander (assembly kit from hendricks qrp kits, inc.): pwr 4.6 w ant: end fed dipole 11 m above the ground: e-mail: jr1lld(at)jarl.com - thanks for the contest.

JR2PMT: i enjoyed the contest.

K3TW: "many thanks for another enjoyable sac contest, and for activating so many special callsigns."

K4NMR: wire only @ 500w

K5KG: the sac ops are excellent ops, however this was a difficult contest this year with challenging band condx. high qrn on the low bands, making copying of the serial numbers difficult.

LA6DW: first sac-year 1986

LA9OI: test qth: hamaroey, loc jp78sc.

LN5O: indoor attick wire antenna for 20m and wired trap gp 20/40/80m so2r ic7600+pa + ft1000 1000w + 100w

LY2MM: my first sac was in 1977, when i used my former call up2paq

LY4T: first sac log i find now is sac 1987 es up3bu.

LZ2RS: only as check log

LZ5B: 73 es mni dx!

MM0HOM: just on giving a few points out whilst visiting my father's qth (gm4ata) in scotland, so my call was mm0hom - normally m0hom. 73 gl

N1NN: 9th scandinavian activity cw contest

N4BP: 2019 scandanavian activities contest

OG5N: first sac 1979 (oh1cq, 21 mhz cw, 4th oh)

OG6N: had a lot of fun. unfortunately slept too long!

OG70AD: new club station first time in real action. thanks for qsos.

OG9R: yaesu ftdx3000d, power 100w 2 el quad 20 / 15 m loop 80/40 m many thanks for the contest, cu in sept. 2020!

OH1F: photo finish with sk3w 2836/234/1,456m vs 2837/230/1,439m! for few 40m qsos on late sunday). 15 and 10m quiet but we have

OH2BBM: qrp kx-3 & efhw-8010-hp antenna

OH2BSI: wires only

OH2HZ: rig kenwood ts-180s, antennas cushcraft r5 and w3dzz trap dipole

OH2LU: ic-756proii, max. 5 w, triband yagi, trap dipole 259 q's, 545 q-pt, dxc 71, score 38695 pts total time on = 9h10min

OH2MZA: time was spent mainly at oh4bcs all band, but also on 28 mhz at oh3bcx... this 21 mhz had a few periods on intense short skip with oh2mza... cheers/73, zaba oh1zaa

OH2NP: real contest! also silent keys (oh2np) help to win scandinavian cup!

OH2YL: rig: elecraft k3 pwr: 400 w ant: 80m dipole e-mail: oh2yl(at)sral.fi

OH2YV: my pleasure to see the 60th anniversary of this contest. i may be a bit guilty to the birth of this evergreen happening, hi. my sincere thanks to the sac committee for taking good care of this annual event! this is my corrected log. qsos ## 172...187 apparently are missing from the first try, due to faulty utc marking.

OH3BCX: the late morning es-opening on 28 mhz was mainly sse and later on with very short skip to oz/sm7 competitors... cheers/73, zaba oh1zaa

OH3OJ: low sunspots, but good number ops were on cw is not dead !

OH3R: sac cw 20190921-22

OH4BCS: saturday geomagnetically restless at times, sunday quiet : (opposite to forecast).. cheers/73, zaba oh1zaa

OH5MQ: rig: kenwood ts-520s pwr: 80 w ant: 20 m - 80m horizontal loop, 40 m - dipole

OH5SW: rig: kenwood ts-570d plus linear pwr: 1000w ant: two-element yagi

OH5TS: 60th anniversary, vfb. my first one was either 1962 or 63, can't remember. this time it was much harder than in those days. i had to retire at 2:30 am local time for almost 6 hours. i must have missed a few contacts and mults during my long nap. good luck & 73 kari oh5ts

OH7KBF: sac cw contest 2019

OK1IE: ts480sat,double zepp all bands.gl to next year.

OK2BJK: rig.ftdx-3000,pwr <100w, ant:w3dzz inv7mup,my age=86years sri to hand/key.gb oms.

OK2MBP: rig[s] ic-756proiii-100w, antena[s] 3el.yagi, windom fd5

OK2QX: sorry, that i am not sure about the first work in sac contest, my logs from first years after days with my license (1962) going out with water in the time of big flood in 1997 here. but - i have sac certificate from 8th sac contest in 1966, that i am 2nd in ok in cw mode. but in the years 1954-1962 i worked als swl ok1-015663 and ok2-5663, also in many contests, but from this era my logs are also crash. today my rig is k3 - 100 w out, 54 m lw + 3el tribander.

OK5E: rig flex-5000a, pwr abt 70w, ant 160-80m double zepp (broken, half of it lies on the ground), 40m vertical, 20-15-10m tribander. anyway, very nice contest.-

OL6D: 25km remote 100w flex3000 + ant wire dipole / vertical. have a enjoy to did lot of qsos with sac. thanks

OM3BA: tcvr ic735 out 90 watts ant random wire + lc matchbox

OM4ANO: rig: ft897d ant: lw pwr: 50w tnx!

ON4KNP: general dx log

ON5WL: this is a good contest with much activity. the propagation was good and i could work many scandinavian stations. till next year 73 leon on5wl

ON6QZ: bad propagation sd ok

OZ0J: qth: klemesker, bornholm, eu-030

5Q6EE: elecraft k3 100w - 3 elm beam 10-15-20 dipol 80/40

OZ3SM: rig: elecraft k3/p3; sspa: 600 w hexbeam

OZ5KU: icom ic7610 40 meter wire

PA0M: was fun in sac contest, a real challenge for me. thanks to all for patience and fun.

PA2CHM: good activity. conditions poor on 15 and 10 meter but sunday 15m reasonable open but qsb at my qth. used sd for post-contest logging hope to work you all next time! good luck with logs checking!

PE2K: all qso's made with 5 watt qrp, and dipole antenna at 20m up qsl is via bureau. 73, tu pe2k

R1QE: icom-718, 100wt. ant. rectangular loop,160m. all band. 10m.up

R3PIQ: gl! 73!

R3RK: tnx 73!

R4WT: ft-2000 iv

R6CW: ts-590s - 100watts ant - loop

R7AC: tnx!

R7KO: ft-817d 5 w- cw g5rv, a3s, gp-40m

R8OM: tnx 73!

R8WO: ts-590s,100 watt say_3-7 20,15,10m, dipole-40,80m tnx!

R9OK: rig: icom ic-756pro pwr: 1000 w ant: 10/15/20 m - ad-335, 40 m - n3l

RA1AGJ: tnx 73!

RA1QN: ft-950 100w, ant gp diamond cp6.

RA3XCZ: ic756proiii, delta loop 160 731

RA6GW: rig: flex5000 pwr: 700 w ant: klm 4 el yagi e-mail: ra6gw@bk.ru thanks for a nice contest! i will be back next year.

RA9YUI: tnx 73!

RK4HYT: good contest

RL4F: rl4f@ro.ru

RL9L: tnx 73

RM1T: 73!

RN2FQ: pwr: 150 w, ant: dipoles e-mail: rn2fq@mail.ru thanks for a nice contest! i will be back next year.

RN3S: icom 760pro, inverted v 40/80, sloper 20/15m

RT5C: 73!

RU4AA: 73!

RV3DBK: tx 5watts, ant - magloop indoor

RV6AA/P: rv6aa@mail.ru

RW3AI: icom 706 power 5 watts, ant lw , eco vertical

RX1AG: 73

RX3VF: ic 746, lw

SA6G: krde sac cw 1962: 129 qso 1963-64 lumpen 1965 129 qso 1967: 236 qso 1969:282 qso

SI9AM: 73 de sm5sic gran, sm5fjf jrgen & sm3eae lasse

SM0FPR: better condx than last year. much more fun. had some off-air hours and a good nights sleep. hope i didnt miss anything. will be back next year..

SM2CVH: tx: drake t4x (1968) rx: drake r4a (1967) ant: 96 m lw

SM5CCE: smcce@telia.com

SM5FUG: my first sac 1972, 5 qsos only

SM5MX: first time sac: 1964

SP1AEN: ts-430s <100 wtts; ant.: lw for all bands

SP2HMY: first 1976 sac

SP7QO: i like scandinavia & scandinavians! unfotunately had never been there yet. my very first sac-cw had been in 1959 (the first sac contest) followed by a number of them, so it would be great pleasure for me to get the "platinum sac award". this award will be very appretiated. (i have the only oh- 100 award from scandinavia yet!) thanks for great contest and my best greetings to scandinavian friends! trx: yaesu ft-897d pwr: 100 w output into an ant: end fed sloper 33 meter long and 3 to 11 meter up. stan sp7qo plik utworzony programem "cabrillo generator" - (c) sp7dqr

SP9BCH: trx ft-897 pwr 80 watts ant dipole inv 80/40 , gp7

SP9EMI: trx ic746pro 80w ant: delta 82,5m

SP9JPA: special diploma: silver; ex-sp8jpa 1979, 1st sp, fone

SP9KJU: ic730 60w, ant inw v

SP9PKZ: ic-735 pwr 75w out, ant 1: m-band vertical 40-10m. ant 2: w3dzz 26m up

SP9R: thanks es 73`s! jan sp9r

SQ9FMU: rig-ic746 ; ant-gp ; pwr-100wtts

TA2BS: tnx & 73's to all competitors from istanbul

TA3AER: ic-7600, 7 el 3 band (20,15,10) home made yagi

TA3/HB90FIH: qth ayvalik km39ii / ft-897d 100 watts ant zs6bkw and cobwebb 20m / 40m / 15m ok / abt 12 hrs qrv had fun - tnx 73 erich

UA0CID: ra3ao gp

UA0SBQ: rig: ic-735 power 5w; antennas: inverted vee.

UA3LMR: tx ft-817 ant inv vee 80m, gp 40m, kt34 20/15/10m

UA3PP: 73! tnx!

UA3QGT: tnx

UA3UAD: ft450 lw 2el quad

UA4PAQ: 73!

UA9SMU: tnx 73!

UA9W: rig: flex-5000 pwr: 300 w ant: 40m- 3 el yagi, 80m- delta loop tnx!!! 73!!!

UC6K: 73!

UN8PT: 73!

UR4IZ: 73!

UR5FA: kx2 + zs6bkw antenna

UR7EC: ic746, ant delta loop

US3LX: first sac 1994

US5EEK: wire antennas ts-590s

US5XD: ant:delta 80m up20m.,delta on21.28mhz up25m

UT3N: sac-cw-2004,ut3nk-somblp

UT4LW: sdr trcvr sunsdr2-pro, kxpa100 antennas: 160,80,40 - dipole up18m, fider 70m. 20,15,10 - spider up 10m, fider 30m.

UT5IZ: 73!

UT7LW: tnx 73!

UT8AS: trx - miniyes + pa 100w out, ant - 1-el delta loop 85m

UV1IX: kovalenkoid@gmail.com

UV5QQ: thanks for the contacts. to those i could not hear, i apologize.

UY2IG: 73!

UY3MW: icom 7600, dipole

UZ1WW: 73!

VK2IG: first time i have operated in the sac-cw - most enjoyable! nice lp opening to scandinavia on 40m on sunday afternoon in vk. tx ts-480hx, power 100w, antenna 80m ocf dipole. no 20/15/10m antennas at this time due to storm damage, so 40m only. thanks to all who answered my calls, and thank you to the contest managers. i will definitely add this contest to next year's calendar.

VK2OXZ: tak for endnu en god contest, selvom jeg kunne hre frlere stationer end jeg kunne kontakte. hrte bl.a oz5rm rick med strk signalstyrke, men desvrre ingen qso, havde mange qso'er med rick da jeg var oz6yj sidst i 1970 - 1980'erne

W1KM: please don't remove qso with oz5dx because he was above 14060 that is wrong!

W4AAW: had only one hour for this. great fun. thanks!

YB0ANN: ft-817nd 5w, dipole

YL3FW: trx-sunsdr; pwr - 5wt, ant-inv.v tnx & 73!

YL7X: my first sac year: 1986 cw - call uq2gly

YO2CJX: rig ts140s ant dipole mb

YO4SI: rig: kenwood ts-450sat 100 w; ant: fd4 & lw 41 m

YP5A: ft-950 + pa 400 w a3s, deltalooop v, dipole

ZL2AGY: most enjoyable to take part again, and good to have some good signals coming through on 20 metres - but nil on 15 metres. looking forward to doing again next year.

ZM4G: condx not bad - plenty of scandinavians to work, many very slick. thanks all!

ZS9Z: thanks organizers, the propagation at our area on all bands was so "good" as result - i had 13 qso! thanks to all participants, 73!

SSB

2E0SPS: enjoyed my first contest

4X4LF: check log only.

4X6DK: it is my 25-th sac contest with 4x6dk call. first in 1982 - continental winer. ub5dag

5B/UT5UT: traditionally, for the third year in a row, i participated in the sac ssb contest. this years result is more than twice as high as 2018.used only wire antennas. thanks to all participants of the sac contest.

9A1CVG: ic7400,100w

9A5OIA: yaesu ft897d,5w

DF8HS: e-mail: df8hs@t-online.de

DH9DX/P: icom 735, homemade multiband inverted v 80-10m, apex abt. 7m agl

DJ3GE: ts130v + tl120 >at130 > mfb23 (14mhz) or fd3 (3,5 and 7 mhz)

DK3YD: thank you all for the qsos; 73, hans

DL1JPF: -

DL3IAS/P: rig: elecraft kx2 pwr: 10 w ant: 10 meter vertical longwire e-mail: dl3ias(at)web.de holiday at alsace and black forest with cravan

DL8AAE: again three workable bands only between scandinavia and northern germany. at least two contacts on 15m this time of wich one wasa reply to my cq-call. and of course still low chances to work danish stations and multipliers, simply too close in the north of dl.

DR50DIG: e-mail: dh1pal(at)darc.de

EA2WD: rig: kenwood ts-570 d pow: 85 want: eaxbeam nice test-see you the next year

F1ADG: f1adg_sac

F4IDD: email : f4idd@outlook.com

F5MA: tnx for nice contest

G0AKF: antenna, efhw-8010-1k, alincodx-70, 100w

HA5OLA: thank you for contest!

HB90GKM: poor conds during the contest. no propagation on the 80m,15m and 10 m band. only 40m and 20 m was good enough.

HB9MXY: icom-7200; 100 watt on 2 element steppir resp. 40/80 m trap dipole; both antennas 12 m high. sorry, on sunday i had a before unknown family task to do. so i can't participate on sunday. hpe cu next year vy 73 de rudolf

I0MQV: thanks to all the scandinavian stations, thanks very much to all the stations i contacted.

I2WIJ: no 10m joy this year and 15m very spotty. thanks for organizing the contest. bob, i2wij

IK0VWH: qrp rig: mfj-9420 (5 watts), located in borgo velino

(70 km n/e of rome), using inverted v dipole, and on

IK0VWH: mount nuria (jn62mj 1350m height above see level), using vertical weep antenna on the car. low qrmlevel, low qsb, quite good propagation.

IN3FHE: part time partecipation, i'm not habite in ssb contest. thanks for patience because my weak signal. 73 helga/ina in3fhe

IT9OPR: i worked the contest only on 20m.good skip with scandinavian on this band.many thanks to all guys that i worked on the contest.all the best.

IU4JIC: category overlay : license 13/07/2017

IZ0VXY: soab low power ssb

IZ2KPE/QRP: tnx te my stasion is qrp and uset ft817 en 2 element cubical for 20m

JA1CRJ: thank you for qso. short time participation, but i enjoyed.

JG1GCO: i enjoyed the contest.

JH1CML: i enjoyed the contest.

JH4FUF: i enjoyed the contest. see you next year !!

JI7VNJ: i enjoyed the contest.

JN4ESD: rig: yaesu ft-1000mp ant: vertical r8 operator's license: 1st.class

JR3AAZ: e-mail:jr3aaaz@jarl.com

K3TW: "band conditions on 20m were excellent for qrp (5 watts output)!"

KK4BZ: power=80 w, grid=fm18eu, antenna=dipole, equipment=ts570s, comment=antenna is g5rv at 10 m in trees, thanks for the fun!

LN3C: only qrv for 3 hours since i had to prioritize work. guess a few was happy to get ln3 as a mult. condx not the best, but that was not a surprise.

LY2MM: i participated in sac ssb contest for the first time in 1983 under my former call up2paq.

M0HUI: rig: icom 7610 pwr 100w ant: hexbeam 10m sw: sacman ver 2.1

M0MCV: good activity despite the poor conditions. no tfs worked this year!

M0QVE: sac ssb contest

M0XLT: operated with 4 watts to a 20m long end-fed wire at 5m agl. i enjoyed the time i had on air.

OE3MCS/M: tn for contes! /m becuase i worked from my car parked at loc jn88cd

OH0W: nice conditions to na on 20m and 40m, but a bit of a slog otherwise

OH1F: good usa cndx on 20m! thanks for qso!

OH1PH: ts-590s, ft-847 rybakov vertical and dipoles

OH1POR: i am visually impaired.

OH1QX: a liitle monoband activity on 15 m besides the oh4bcs all band operation. 10 m did not work out for oh3bcx: not a single contact despite various calling periods... cheers/73, zaba oh1zaa

OH2BBM: ts950 & gp for 20m

OH2ECG: yaesu ft-2000, ocf-dipole at 25m agl.

OH2EF: rig: kenwood ts-570d plus linear pwr: 1000w ant: two-element yagi

OH2HZ: rig kenwood ts180s, antennas cushcraft r5 vertical and w3dzz trap dipole

OH2K: wire-only

OH2LH: pwr:400w rig: yaesu ft101z + linear fl2277z ant :ocf dipole

OH2NJJ: icom ic-7300, fritzel fb-33 triband yagi, 100 w



OH2RM: matti rae sac 2019 ssb single op - single band 20mtrs - hp. 1200w pep into a 3 ele monobander. thanks all for a nice test

OH3BY: yaesu ft897 100w / 42m longwire

OH3MA: rig: yaesu ftdx3000 pwr: 100 w ant: 10/15/20 m - hexbeam, 40/80 m - dipoles i had a wrong contest in nn1mm and had to recover log manually i also noted double use off sent 013 number, bad eye sight, sri

OH5MQ: rig: kenwood ts-520s, sommerkamp ft-250 pwr: 80 w ant: 20 m - dipole, 40 m - dipole

OH6BQH: category-overlay: tb-wires rig: yaesu ft-2000 pwr: 100 w ant: 10/15/20 m - hy-gain th2-mk3, 40 m - dipoles

OH7EBA: e-mail: oh7eba@sral.fi

OH7KBF: sac ssb contest 2019

OK2BRQ: ts-820, ant. - lw

OK2MBP: rig[s]ic-756proiii-100w,antena[s]3el.yagi,windom fd5

OM8JP: 80w , triband dipole

ON6LO: as always, a very nice contest see you next year my first participation in the sac contest was in 1987 the data of the first qso were

OZ1KKH: busted 2 calls due to error in logpgm

OZ3SM: rig: elecraft k3/p3; sspa: 600 w hexbeam

PA0AWH: rig: ft817, 5 watt in ssb antennas: sloping delta loop / windom as inv. vee

PA1EJO: thanks for organizing this contest

PA2VS: icom 7300 + endfed (10/20/40)

PA3CGJ: thanks for a nice contest. until next year. best 73 frans pa3cgj

PA3GVQ: thanks again for a nice contest. sadly my main radio broke down, so i had to use the back-up radio. only one station on 15 meters sk2au with very good ears. till next year!

PA4R: novice license 24 november 2018, full(current) license 24 januari 2019

PD5ISW: rig: icom ic-7400 pwr: 25 w ant: 6-bands hex-beam homemade

PE2K: i am the best with qrp

PJ4DX: nice to give out the pj4 multiplier in this 60th anniversary sac. my first sac was as ep2sl in 1978. i've also taken part from sweden (sk5eu multi-op), england (g4jvg), papua new guinea (p29dx), east malaysia (9m6dxx) and now since 2014 as pj4dx. this year, poor conditions as expected. nothing heard on 10m and only a few very weak signals on 15m. what surprised me most though was almost nothing heard from scandinavia on 40m, only a few signals and they were very weak. 80m was actually better than 40. hope propagation will be better in 2020. always good to work old friends in scandinavia in this contest. 73 steve pj4dx.

PT7ZT: i try the 3th continental leader ???.

R0QAF: tnx 73!

R2EL: 73 tnx !

R6DIP: r6dip@mail.ru

RA3DGH: yaesu ft-450, dipole

RK4HYT: good contest

RL4F: rl4f@ro.ru

RN4ACX: tnx 73!

RV9UCN: rig: icom ic-756pro2 pwr: 100 w ant: 10/15/20 m - ad335, 40 m - delta thanks for a nice contest! i will be back next year.

RZ3ARO/6: tnx 73!

S57DX: not very serious. just for fun and give out some points.

SK40UM: nice to be there this year with our 40 year clubcall. called a lot on 10 but no one there

SM0IFP: ssb 14mhz qrp 5w ocf-dipol

SM0WJH: frsta gng p sac-testen

SM2U: first sac sm2cxu 1963

SM5B: 1974 first sac

SM5BMB: frsta sactest var 1960 som sm6bmb blev 2nd sm i cw multop

SM5LSM: thank you all for a very nice test.

SM5S: 73 de sm5sic gran

SO5MAX: wire-only trx. ft dx 3000 pwr. 70w

SP1DMD: radio:icom 746 100w vertical - 7 band monoband-80m

SP9KJU: ic730 60w, ant delta 42m

TA2BS: tnx & 73's to all competitors from istanbul

TA3AER: ic-7600, 7 el 3 band (20,15,10) home made yagi

UA0SBQ/P: rig: ft-817 power 5w; antennas: loop 85m; battery: 12 v 7ah; shack is hut.

UA9SUV/8: 73! rda yn-06

UC6K: 73!

UR3VHM: rig: uw3di pwr: 70 w thanks for a nice contest!

UR5FCM: antenna windom, rig homemade, pwr 20 watt(s).

US5D: use home build trx ,manual log, sorry no freq counter. participate in sac 1988 as rb5dx.

UY2IG: 73!

VK2CZ: rig: icom 7800 pwr: 400 w great to work the baltics for a brief period - short path, if you can call it that.

YB0ANN: ft-817nd 5w, dipole

YB3IZK: tu for all station scandinavia hpe cuagn soon 73 gl gdx

YB3ZBD: we are yb3zbd - club station orari lokal kediri, nice dx contest in oktober 2019, goodluck to the contest, 73's de yb3zbd

YC3RJL: we are member of kediri dxc team yb3zbd - club station orari lokal kediri, good luck to the contest, 73 de yc3rjl okt 2019

YF3CYT: we are member of kediri dxc team - yb3zbd, many thanks to all stations make valid qso, good luck to the next contest, 73's de yf3cyt - oktober 2019

YF3DFB: we are member of kediri dxc team - yb3zbd-club station orari lokal kediri, goodluck to the contest, 73's de yf3dfb - bravo orlok kediri.2019

YG3FZR: we are member of kediri dxc team | yb3zbd - club station orari lokal kediri, many thanks to all stations , txq gl 73's de yg3fzr

YL3FW: trx-sunsdr2; pwr - 5wt, ant-inv.v tnx & 73!

YO4BEX: i observed the contest rules tcvr home made 100w vertical ant

YO4GPC: i observed the contest rules tcvr ft77 vertical ant

YO4SI: rig: kenwood ts-450sat 100 w; ant: fd4 & lw 41 m

YO8THG: rig: ts830s; ant:vertical loop

YO9HG: 15-16 sept 1962 my first contest in sac

YT0T: bad propagations on higher bands, tnx for the nice contest & qsos



SCANDINAVIAN ACTIVITY CONTEST

Editorial

I want to thank you all for your contributions to this booklet. It is always a pleasure to edit the yearly publication and to find out that so many participants are coming back year after year. Thank you for that!

We will be back later this year and look forward to meet all of you on the bands again. Hopefully the band conditions will behave a little more in our favour.

If you want to contribute with pictures and stories in the next booklet, you are very welcome to e-mail them to me shortly after the 2020 contests.

Use this address: oz2i@edr.dk

The SAC Team wishes you all the best with a nice radio activity.

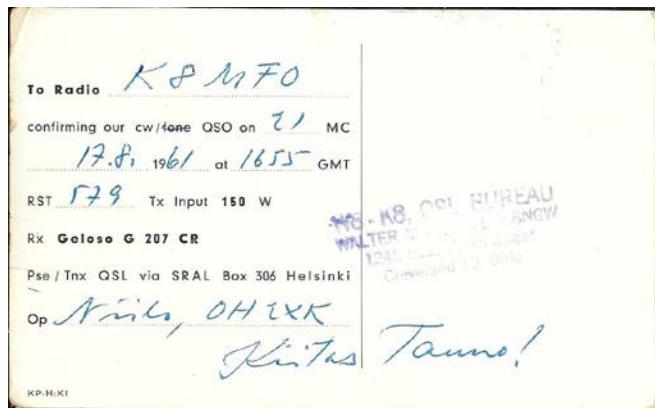
SM5AJV - LB8DC - OH6EI - OZ2I



Vy 73 de OZ2I Henning

Editor of SAC Booklet

March 2020



Remember to check for Rule changes before SAC 2020 !!

Scandinavian Activity Contest 2020

**CW: 19-20 September
12:00 - 11:59 UTC**

**SSB: 10-11 October
12:00 - 11:59 UTC**

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