



Results: 2020 CW Open



The 2020 CWO was one for the record books.
[Story page 9.](#)

CWops "CWT" Every Wednesday

Start: 13Z, 19Z, 03Z (+1), 1 hour each session

Exchange: name/number (members)
name/SPC (non-members)

Avoid DX pileups!

Next slow speed CWT is November 11-12.

US Vanity Callsign web site:

<http://cwomc.org>

CWops "neighborhood": Look for CWops on
1.818, 3.528, 7.028, 10.118, 14.028, 18.078,
21.028, 24.908, 28.028, 50.098 "and up"

CWops Officers and Directors

President: Mac McDonald [NN4K](#)

Vice President: Peter Butler [W1UU](#)

Secretary: Jim Talens [N3JT](#)

Treasurer: Craig Thompson [K9CT](#)

Director: Stew Rolfe [GW0ETF](#)

Director: Nodir Tursoon-Zade [EY8MM](#)

Director: Raoul Coetzee [ZS1C](#)

Director: Matt Frey [CE2LR](#)

Director: Bert Banlier [F6HKA](#)

Director: Barry Simpson [VK2BJ](#)

Director: Riki Kline [K7NJ](#)

WebGeek: Dan Romanchik [KB6NU](#)

Newsletter Editor: Tim Gennett [K9WX](#)

President's Message

We can definitely tell that Fall is moving in as the daylight shortens and band conditions react accordingly. Solar Cycle 25 is reportedly beginning, and I haven't witnessed many of the previ-



ous Cycles with this much attention. Previous cycle changes usually found me paying more attention to my career and a real lack of awareness of the daily changes. Now, being retired,

(Continued on page 2)

Table of Contents

President's Message	1
From the Editor: Another Old Saw?	3
News & Notes	4
N1LN: 2020 CW Open Results	9
K6RB: Giving Back Update	26
N1DG: Call for Nominations	27
K7QA: Upgrading 40 Meter Shorty Beam	28
W5XX: The 2020 Mississippi QSO Party	33
N3JT: The G4UZN QSL Card Collection	35
CW Academy	37
CW Tests	39
New Members	40
CWops Member Awards	41
QTX Report	48
My Story: New Member Biographies	51

(Continued from previous page)

interest in Cycle 25 is heightened and I have time to see what I can hear as well as read reports by others. I can sense that better days are ahead and I'm looking forward to them. We have been training many new CW operators via the Academy and the graduates have a real treat ahead of them working DX easily, and in some cases around the clock. 10 m will be a lot of fun as the peak is approached. The weekly CWTs will be expanding and many of the new CWops members that have come aboard in Europe will now have a chance to work USA members more easily now. Hopefully the QSO rates will be high but more attention to band strategies will come into play.

Our Vice-President, Peter Butler, W1UU, had been developing our Ambassadors program with several new plans to initiate. He has been assisted with a dedicated committee and the results of this effort will be addressed in this newsletter. Thanks to all the members who have stepped up to take this program to the next level and promote what CWops is all about in the US as well as Europe. To those who have previously served CWops appreciates all your work and successes with the program. Anyone who enjoys the weekly CWTs and the annual CWO knows how much fun they can be. Couple that with the CWops CW Academy and the efforts to cultivate more CW operators, you can definitely say we have momentum in our mission.

The Annual CWO seems to have been enjoyed by many. Perhaps the event was enhanced by the Covid-19 pandemic restrictions which allowed more ops to participate. Once again, our CWops CWO event manager Bruce N1LN did an excellent job planning, developing and producing a fun event.

Also new is the K1USN Radio Club facilitating the CW operating event aimed at getting more of our CW Academy students and others to have a weekly activity. The K1USN group recognized a need facing new CW operators and have put together a plan to help CW activity increase and attract both students and regular members. This participation nurtures the folks who are not doing the weekly CWT sessions. We need this to grow and serve more new operators.

The month of October typically launches the major contests of the year. All that work you have been doing this summer on your stations, software and antennas can now be deployed into the major CQ and ARRL contests. Wish you well this season and we'll watch for your scores in the events.

Let CW ring out!

CW Forever!

73, Mac NN4K, President



From the [Editor](#): Another Old Saw

In colloquial American English, and “old saw” is a commonly repeated saying intended to convey well-established, conventional wisdom. I resurrected one ham radio old saw in [my February column](#): “Any wire in the air is better than no wire in the air.” I’ve since had first-hand experience with another old saw.

Six meters is sometimes referred to as the “magic” band but the magic had always been lost on me. I had a multi-band vertical that was designed to work on 6 m and, sure enough, my antenna analyzer said it was resonant there, but my results using it were dismal. If grid chasing was the measure of efficacy, I was not a player. In over 25 years of being licensed, I logged a grand total of seven 6 m QSOs, with exactly two grids confirmed. Lots of trying, little result.



So back in May, in the midst of the great pandemic, looking for a new challenge and a way to occupy my time, I bought a real, honest-to-goodness 6 m antenna. Nothing fancy, a three-element Yagi, and I was only able to install it at about 25 feet, using an old TV antenna rotator that had been on the shelf in my basement for nearly 15 years. Between the antenna, feedline, rotator cable and a few other odd parts, I had less than \$200 invested.

I finished in time for the June 6 m season and also in time for the ARRL's June VHF contest and, to put it simply, I found the magic. In just three months I logged nearly 600 QSOs and confirmed another 235 grids. I also added 16 countries to my [DXCC Challenge totals](#). The difference was astounding.

Which leads me to this month's old saw: If you have limited funds to spend on station improvements, spend those funds not on radios, computers or other gadgets, spend that money on antennas.

73,

Tim K9WX Editor



News and Notes

[Jerry Weisskohl AC4BT](#)

David, W4WKU: I have a new callsign.

Old Call: KG0EW New Call: **W4WKU**

Nick, WB5BKL: CWops in the TXQP

This year in the Texas QSO Party, as I worked stations, frequently a name would pop into my head (Van, Sam, Hank, Marv, Claude, Les and so on). I realized that I was recognizing the call from the weekly CWTs that I enjoy!

I wondered how many of my contacts were with CWops (I was in the CW-only, QRP category). Finding that number turned out to be much easier than I expected (see my occasional blog at <http://wb5bkl.blogspot.com> for details). The result surprised me a little.



A little over 46% of my unique QSOs were with CWops.

My thanks to each of them for the contact with my modest station.

QRPers get a bit of a hoot out of running when they are the 'DX'.

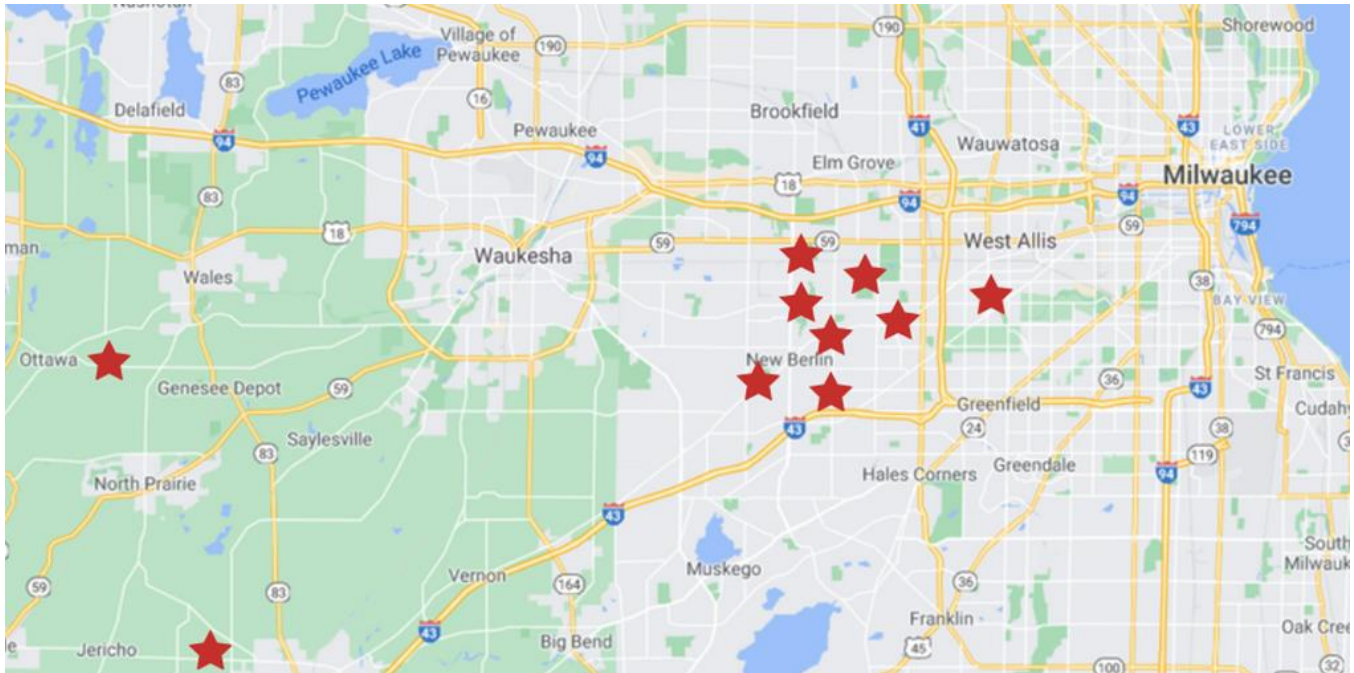
Riki, K7NJ: Many thanks to Rick, EA4M and Art, K6XT for their contributions to the work of the Awards Committee for Advancing CW before stepping down. With great pleasure, we welcome new members Peter, W2CDO and Ted, W3TB.

MJ, WO9B: With the challenges we have faced this year, I can't say I am sorry to turn the pages of the calendar with the hope that "normal" is getting closer. October in Wisconsin arrives with a blaze of autumn colors, but also shortening days and cooler temperatures. It won't be much longer until winter gets started. This has been a different year, but then, as the saying goes, it is what you make of it.

I did not keep solid records, but sometime in late April I decided to use the 1900 CWT's to do portable park ops every week. Well, every week that offered decent weather. I had to get out of the house and since moving around Wisconsin went from being laissez faire to lockdown I start-

(Continued on next page)

(Continued from previous page)



Map of Parks worked.

ed throwing the darts at the wealth of parks that litter the Milwaukee area. The goal was to do a different park each week. That didn't quite work out, but I did manage to check off 10 different venues.

As the weeks went by, I got really good at setting up the end-fed and SW-3B QRP radio. It took less than 10 minutes to go from parking lot to on-the-air. Sticking with my minimalist concept, logging



Field Day 2020 - Marquette, MI.

was performed strictly with pen and paper. A real pro would have figured out how to send with one hand while writing with the other. That particular talent eludes me for now, but I can now send while holding a pen in the same hand. That has to count for something.

(Continued on next page)

(Continued from previous page)

The QRP CWT game can be a bit frustrating at times. Or perhaps it is just a lot of operating QRP. Whatever it is, the art of moving on from a really strong un-workable station is hard to do. With 20 and 40 being the hot bands at 1900, it was always a coin flip as to which one would be better. Of late 40 has been much more consistent, but then there are times when 20 shines.

I was fortunate to entice occasional ham friends to stop by. Social distancing and all being the rule, a crowd never developed but for an hour or so, it was great to hang out with friends in the park. The log entries suffered a bit on those occasions of course, but that is a small price to pay for some much needed ham camaraderie. Last week one buddy packed a couple of craft beers which was really a nice surprise.

If you are at all inclined toward portable ops, consider the 1900 CWT an opportunity. The incredibly small SW-3B matched with a 40 meter endfed and an equally small LiFePO4 battery make for an easy, light station that can literally be ready to go on a moments notice. I'm sure there are still two or three outings left before the outside season wraps up here. Keep a sharp ear out for my QRP signal.

Vic, 4X6GP: In these days of lockdown, I've kept busy with a few small projects.

I put up a very compromised antenna for 80m. But almost anything gets out when you put a kW into it, and I've worked quite a few new band-countries. My best DX so far is Mexico!



SW-3B and Battery.



EndFed.

(Continued on next page)

(Continued from previous page)

I built a regenerative receiver for the sake of nostalgia. I would have used tubes, but I left all my tube junk in the USA when I moved to Israel, so I had to use JFETs and other modern stuff instead. It works and is fun to try various modifications. I wish there was more SWBC to listen to.

Now I'm building a QRP Labs U3S WSPR transmitter kit. I intend to put it on 80 and 10m. I have also been experimenting with Geiger counters and other gadgets.

Duncan, G3WZD: I would not characterize myself as an avid collector of QSL cards, though it is always nice to receive them, and I am happy to send a card direct after a particularly enjoyable or notable QSO.

However, I am especially proud of these cards as, in each case, they represent the inaugural on-air CW QSO for each of these CWA Basic students (Jorge CR7AWB and Torvald LB1FI were also in my Beginner class). These four guys are all now Intermediate students with AI K0AD and I hear they are doing great!



Last night was Session #7 for my latest Beginner class and I was delighted when Gerry PA2G announced that he had just made his first ever CW QSO, exchanging RST, name and QTH with a friend. I don't think I have previously had a Beginner student so quick out of the blocks to make

(Continued on next page)

(Continued from previous page)

that first QSO. Another class member, Martin EI2HIB was listening for me during my weekly Giving Back session using G2CWO, but sadly condx were not right.

This, for me, is exactly what makes being an Advisor so worthwhile!

Craig, K9CT (CWops Treasurer): CWops sponsors plaques for the CQ WW CW Contest. This letter (right) was recently received, thanking us for our sponsorship.

Mel, KJ9C: I'm in Indiana for two months maintaining the remote station (and the rest of the property). I should be back in Montana for ski season right after CQWW CW.

Walt, KC8J: When I moved from Shaker Heights, OH to San Diego, CA I forgot my two-year old Bioenno LiFePO4 battery. My real estate agent sent it to me. UPS managed to ship the battery to San Diego, send it back to Shaker Heights and then ship it to San Diego again. It arrived at my house somewhat

damaged. I contacted Kevin at Bioenno Power to ask about getting the battery repaired. He immediately sent a new battery to me so that I would not be without one. He said he would pick up the damaged battery the next time he was in San Diego so I did not have to worry about trying to send it to him. The only cost to me has been the \$15.00 shipping fee charged by Bioenno.

The damage was done by UPS and Kevin was under no obligation to do anything. I just wanted to point out that Kevin's customer service is really great.

By the way, UPS has not returned any of my telephone calls and they have not responded to my attempts to file a damage claim against them.

Sadly, we acknowledge that Don Benecchi, K1DC of Dothan, Alabama, USA, became a Silent Key on Monday September 14.



Worldwide Radio Operators Foundation, Inc
P O Box 529
Fredericksburg, TX 78624-0529 USA
Tax ID: 27-1435449

Donor:	CW Operators Club
Date of Receipt:	September 24, 2020
Type of Contribution:	Cash
Amount of Contribution:	\$520.00 U.S.
Purpose:	CQ WW Contest Plaque Sponsorship

Dear CW Operators Club:

On behalf of Worldwide Radio Operators Foundation, Inc., thank you for your generous donation as noted above.

WWROF is dedicated to improving the skills of amateur radio operators around the world, utilizing education, competition, advancement of technology and scientific research, promoting international friendship and goodwill, and preparing them to better serve society in times of communication need.

Donations are tax deductible under IRS 501 (c) (3) provisions. No goods or services were provided to you for this donation.

Sincerely,

Worldwide Radio Operators Foundation, Inc.

<https://wwrof.org/>

Results: 2020 CW Open

[Bruce Meier, N1LN](#)

The CW Open is now many weeks behind us and WOW what a fantastic CW Open we had. There were many new records set this year in every session. Here are a few of the “HIGH” points.

- In 2020 the CWOpen log submissions totaled 1141 (an 89% increase), up from 603 in 2019 and even up from the previous high of 721 submitted in 2018. This is the highest participation rate during my tenure as CW Open Manager, and perhaps the highest overall.
- The logs were submitted by 518 members, so no wonder the Multipliers also went way up this year.
- Even with questionable propagation the individual scores were also way up. In 2019 there were a total of 5 logs submitted with scores exceeding 100K points. This year there were 5 logs submitted exceeding 200K points and 64 logs submitted exceeding 100K points. A special “great job” to the low power entries that submitted 5 of the >100K logs. I hope every participant had as much fun with this year’s CW Open as I did.

The CW Open is always held on the first weekend of September. This year the CW Open Session 1 started on September 5 at 0000Z. Session 2 started at 1200Z and Session 3 started at 2000Z. This flexible session schedule and format allows participants to operate in all sessions or any combination of sessions. The old rule requiring a 100 QSO minimum to qualify for a trophy or plaque, eliminated last year, was still eliminated this year in an attempt to encourage additional ITU Region 3 participation. I am thrilled to report that Region 3 participated in all three sessions! The winners of the trophies are selected by ITU region based on session high scores and combined scores. The plaques are also ITU region-based and awarded by session for high scores in each power level; High, Low, QRP. The specific winners of the trophies and plaques can be found below for each session.

We would like to once again recognize and thank ICOM America for providing the beautiful trophies and plaques to the CW Open winners. The CW Operators Club really appreciates ICOM's continuing support of our premier operating event.

[Please be sure to visit the ICOM web site.](#)



So, let's take a look at the 2020 session results and begin planning and strategizing for the upcoming 2021 CW Open starting on September 4, 2020 at 0000Z.

Session 1 – 0000Z to 0400Z

Session 1 results are based on 350 logs received, up 74% from last year and I am thrilled to report that all 3 ITU Regions submitted logs. The QSO totals increased by an amazing 78% and the multipliers were up by 94%. These significant increases resulted in an overall increase in points of 123% and points per log increased by 28%. Session 1 had two submissions that exceeded 200K points and 23 exceeding 100K, 3 of which were low power entries.

(Continued on next page)



(Continued from previous page)

Here are the details for Session 1. Plaque and Trophy winners are highlighted in **YELLOW**.

Call	Name	QSOs	Mults	Score	Power	Call	Name	QSOs	Mults	Score	Power
AA3B	BUD	590	366	215,940	HIGH	N2RC	MIKE	247	207	51,129	HIGH
K3WW	CHAS	570	361	205,770	HIGH	K4QPL	JIM	257	197	50,629	HIGH
N5ZO	MARK	524	338	177,112	HIGH	HA5JI	GYURI	264	191	50,424	HIGH
N4AF	HOWIE	474	333	157,842	HIGH	G3TXF	NIGEL	247	195	48,165	HIGH
K7RL	MITCH	475	309	146,775	HIGH	N4FP	WAYNE	260	182	47,320	HIGH
K0RF	CHUCK	470	309	145,230	HIGH	N3AM	JOHN	250	185	46,250	HIGH
N2NT	ANDY	458	314	143,812	HIGH	N1RM	RICK	238	194	46,172	HIGH
N3RD	DAVE	456	296	134,976	HIGH	K3UL	BOB	256	178	45,568	HIGH
N3QE	TIM	424	311	131,864	HIGH	W2CDO	PETER	236	193	45,548	HIGH
LZ5R	MILEN	414	292	120,888	HIGH	K4AFE	JOHN	237	192	45,504	HIGH
W2GD	JOHN	431	275	118,525	HIGH	WT2P	CJ	235	187	43,945	HIGH
N1LN	BRUCE	413	278	114,814	HIGH	NW3Y	CHICK	234	186	43,524	HIGH
K4BAI	JOHN	402	285	114,570	HIGH	K9MA	SCOTT	230	188	43,240	HIGH
K3WJV	BILL	418	273	114,114	HIGH	AC6ZM	JUAN	222	193	42,846	HIGH
NA8V	GREG	418	269	112,442	HIGH	VE3KP	KEN	242	177	42,834	HIGH
AE6Y	ANDY	397	272	107,984	HIGH	K2AV	GUY	233	181	42,173	HIGH
W5TM	ED	387	277	107,199	HIGH	WA3AAN	GRANT	235	178	41,830	HIGH
WT9U	JIM	409	262	107,158	HIGH	K9CT	CRAIG	214	194	41,516	HIGH
W8FJ	JOHN	419	254	106,426	HIGH	K3PP	GLENN	241	172	41,452	HIGH
N3RS	SIG	388	274	106,312	HIGH	W2XL	BOB	208	188	39,104	HIGH
K5TR	GEO	386	270	104,220	HIGH	KV0I	BILL	211	182	38,402	HIGH
K5KG	GEO	378	273	103,194	HIGH	K8PK	PETER	206	181	37,286	HIGH
K2TW	TOM	371	268	99,428	HIGH	VA7DX	NEIL	203	174	35,322	HIGH
WD6T	DAVE	365	271	98,915	HIGH	WS1L	CHUCK	203	167	33,901	HIGH
N4BP	BOB	346	281	97,226	HIGH	N1SNB	JEFF	199	165	32,835	HIGH
W1VE	GERRY	345	277	95,565	HIGH	WN7S	DICK	192	167	32,064	HIGH
AB0S	TIM	359	264	94,776	HIGH	N5KO	TREY	209	151	31,559	HIGH
HA3NU	LACY	336	276	92,736	HIGH	N6RK	RICK	172	163	28,036	HIGH
KU8E	JEFF	352	258	90,816	HIGH	K4OV	ROB	182	154	28,028	HIGH
W5MX	TOM	339	262	88,818	HIGH	K1RX	MARK	175	159	27,825	HIGH
W8FN	RANDY	344	257	88,408	HIGH	K3SV	BILL	178	155	27,590	HIGH
K4RUM	MIKE	348	253	88,044	HIGH	N5RZ	GATOR	179	154	27,566	HIGH
K7QA	TOM	353	248	87,544	HIGH	W0AAE	BOB	165	165	27,225	HIGH
N0TA	JOHN	353	244	86,132	HIGH	LY7M	AL	194	134	25,996	HIGH
N5EE	KEN	334	255	85,170	HIGH	VE2FK	CLAUDE	169	148	25,012	HIGH
K0ZR	JEFF	321	261	83,781	HIGH	K1RV	PI	168	145	24,360	HIGH
W0UO	JIM	307	269	82,583	HIGH	K7UT	DARRYL	184	132	24,288	HIGH
K6NR	DANA	333	247	82,251	HIGH	K3SW	SW	176	134	23,584	HIGH
AB0TX	MIKE	327	238	77,826	HIGH	N4YDU	NATE	168	135	22,680	HIGH
N4IQ	BILL	310	247	76,570	HIGH	WA6URY	DAN	167	131	21,877	HIGH
KE2D	BOB	312	245	76,440	HIGH	K8MR	JIM	156	136	21,216	HIGH
K4QS	CHUCK	315	242	76,230	HIGH	GW2CWO	STEW	162	128	20,736	HIGH
W4WF	CHRIS	303	251	76,053	HIGH	M2G	JOHN	160	128	20,480	HIGH
N4DW	DAVE	311	240	74,640	HIGH	K2RET	BOB	140	118	16,520	HIGH
N4CW	BERT	314	236	74,104	HIGH	N4KW	PETE	131	124	16,244	HIGH
WG3J	ERIC	304	243	73,872	HIGH	N5AW	MARV	135	120	16,200	HIGH
K3MD	JOHN	353	208	73,424	HIGH	KB3Z	MARK	125	125	15,625	HIGH
K3CT	JOHN	302	238	71,876	HIGH	W2XYZ	FRANK	138	112	15,456	HIGH
I2WIJ	BOB	296	239	70,744	HIGH	W2EG	RICH	129	119	15,351	HIGH
NA4J	JIM	295	231	68,145	HIGH	9A1AA	IVO	141	108	15,228	HIGH
N3JT	JIM	337	195	65,715	HIGH	KR4WI	MATT	132	114	15,048	HIGH
N5TOO	VAN	283	230	65,090	HIGH	LY2A	VYTAS	121	121	14,641	HIGH
W3FV	BARRY	308	210	64,680	HIGH	K2CJ	CARL	125	106	13,250	HIGH
DK9PY	ARMIN	276	234	64,584	HIGH	G4DRS	JOHN	123	102	12,546	HIGH
K3TEJ	JOHN	279	228	63,612	HIGH	K8BZ	STEVE	112	112	12,544	HIGH
VE3NNT	LES	278	226	62,828	HIGH	K5LY	LEE	120	102	12,240	HIGH
K1EBY	FRANK	279	215	59,985	HIGH	KE4S	DAVE	109	109	11,881	HIGH
N3AD	ALAN	289	207	59,823	HIGH	K2RD	IRA	111	107	11,877	HIGH
N2NC	JOHN	270	217	58,590	HIGH	K6MM	JOHN	111	106	11,766	HIGH
W2MKM	ED	275	213	58,575	HIGH	AB2E	DARRELL	111	102	11,322	HIGH
K8JQ	STEVE	273	214	58,422	HIGH	AF4T	DOUG	105	105	11,025	HIGH
K7TD	TERRY	275	212	58,300	HIGH	K2YR	CARL	108	101	10,908	HIGH
W6SX	HANK	273	209	57,057	HIGH	W3FIZ	PAT	111	97	10,767	HIGH
K7NJ	RIKI	260	215	55,900	HIGH	K2SX	DENNIS	105	97	10,185	HIGH
WA4PSC	HOWIE	270	202	54,540	HIGH	N4GU	MIKE	109	92	10,028	HIGH
AD8J	JOHN	289	184	53,176	HIGH	UR7GO	ALEX	104	95	9,880	HIGH

(Continued on next page)



(Continued from previous page)

Call	Name	QSOs	Mults	Score	Power	Call	Name	QSOs	Mults	Score	Power
OK1RR	MARTIN	109	90	9,810	HIGH	K0TC	RON	52	52	2,704	HIGH
W4XO	LEX	109	90	9,810	HIGH	HB9BJL	CHRIS	56	48	2,688	HIGH
W3BES	JIM	101	91	9,191	HIGH	VA2EBI	GEORGE	49	49	2,401	HIGH
AI4WW	DAN	95	95	9,025	HIGH	W4VIC	VIC	49	46	2,254	HIGH
PA3AAV	GERT	102	86	8,772	HIGH	AD0AB	JIM	47	47	2,209	HIGH
WB4HRL	ED	92	92	8,464	HIGH	AK1MD	ALEX	47	47	2,209	HIGH
F4VSM	RON	100	82	8,200	HIGH	W2TT	ROSS	47	47	2,209	HIGH
N3CW	ED	91	85	7,735	HIGH	K1MT	DAVID	46	46	2,116	HIGH
RK3ER	ALEX	95	78	7,410	HIGH	N0CVW	CHAS	46	44	2,024	HIGH
W5GN	BARRY	84	74	6,216	HIGH	SM0FPR	MATS	46	36	1,656	HIGH
VA2UR	GUY	75	73	5,475	HIGH	OH3BCX	ZABA	42	36	1,512	HIGH
RM2D	MATS	82	66	5,412	HIGH	VE3TW	STAN	32	32	1,024	HIGH
WA5LXS	DENNIS	77	70	5,390	HIGH	SD1A	ERIC	31	28	868	HIGH
N9NA	JOHN	72	66	4,752	HIGH	K5GA	BILL	25	25	625	HIGH
KA1IOR	GEOFF	68	67	4,556	HIGH	NS4X	BART	24	24	576	HIGH
K1TH	TOM	69	66	4,554	HIGH	K6ZP	ANDY	20	20	400	HIGH
K6KM	ROB	69	61	4,209	HIGH	R4BZ	ANDY	19	16	304	HIGH
K4MI	WILL	64	62	3,968	HIGH	W2DLT	VAN	17	17	289	HIGH
DL6KVA	AXEL	73	54	3,942	HIGH	VK2GR	ALLAN	17	17	289	HIGH
K1ESE	JOHN	62	62	3,844	HIGH	HA5NR	GABOR	12	11	132	HIGH
W7RN	TOM	64	57	3,648	HIGH	PY5AMF	MAR	11	11	121	HIGH
IK0YVV	MARCO	66	55	3,630	HIGH	E74X	VELJKO	10	9	90	HIGH
UY1HY	VAL	59	59	3,481	HIGH	KF6NCX	LARRY	9	9	81	HIGH
ZL1BBW	GAVIN	56	56	3,136	HIGH	RF3TD	SERG	8	8	64	HIGH
KC2LSD	CODY	58	54	3,132	HIGH	JN1THL	KEN	8	8	64	HIGH
KE4KY	TOM	55	55	3,025	HIGH	VK4CT	JOHN	4	4	16	HIGH
M2D	PHIL	61	49	2,989	HIGH						

Call	Name	QSOs	Mults	Score	Power	Call	Name	QSOs	Mults	Score	Power
N4ZZ	DON	416	287	119,392	LOW	K4FT	JOHN	168	130	21,840	LOW
K7SV	LAR	405	276	111,780	LOW	AF8A	GARY	164	129	21,156	LOW
W0UA	GEO	401	267	107,067	LOW	VE3GFN	MIKE	158	131	20,698	LOW
K0AV	ALAN	353	253	89,309	LOW	N3CKI	DAVE	161	127	20,447	LOW
WJ9B	WILL	323	227	73,321	LOW	KG3V	TOM	155	130	20,150	LOW
K4OAQ	FRITZ	294	234	68,796	LOW	K0FX	DON	143	122	17,446	LOW
N4OO	BRIAN	283	227	64,241	LOW	AD5XI	IAIN	136	120	16,320	LOW
N8AA	JOHN	298	212	63,176	LOW	K5XU	MIKE	141	110	15,510	LOW
N4XL	KEN	287	220	63,140	LOW	K9WX	TIM	127	122	15,494	LOW
KE8G	JIM	284	219	62,196	LOW	XE1IM	SAL	127	116	14,732	LOW
W1NN	HAL	284	217	61,628	LOW	W9RE	MIKE	124	118	14,632	LOW
N8BJQ	STEVE	302	198	59,796	LOW	KB3AAY	RON	134	106	14,204	LOW
K4FN	DAN	293	203	59,479	LOW	K0INN	TOM	134	105	14,070	LOW
W3KB	KEITH	313	190	59,470	LOW	N1VH	MARTY	123	107	13,161	LOW
W6LAX	ROGER	276	209	57,684	LOW	K6RB	ROB	130	100	13,000	LOW
NN5O	LARRY	267	210	56,070	LOW	K0AD	AL	118	108	12,744	LOW
VA3SB	SERGE	266	203	53,998	LOW	K4TZ	TOM	115	108	12,420	LOW
N2UU	BOB	287	186	53,382	LOW	KQ4R	ED	115	106	12,190	LOW
K1VUT	DAVE	271	191	51,761	LOW	NJ8J	BEN	120	98	11,760	LOW
K5CI	LEO	255	194	49,470	LOW	K2LE	ANDY	114	103	11,742	LOW
K3JT	TERRY	243	193	46,899	LOW	N3AC	DAVE	107	107	11,449	LOW
N3HEE	JOE	236	190	44,840	LOW	K8GT	GERRY	120	95	11,400	LOW
K0NM	NIZ	233	191	44,503	LOW	NS2N	PAUL	117	96	11,232	LOW
K8AJS	JOHN	226	159	35,934	LOW	KA5M	MARSH	109	103	11,227	LOW
K0VBU	BILL	212	164	34,768	LOW	KM4FO	DWIGHT	120	93	11,160	LOW
N8LR	GARY	215	153	32,895	LOW	WB9HFK	MARK	105	105	11,025	LOW
N1DC	RICK	212	155	32,860	LOW	K9NW	MIKE	108	100	10,800	LOW
NW0M	MITCH	199	157	31,243	LOW	NF8M	FRANK	110	98	10,780	LOW
N7US	JIM	206	149	30,694	LOW	W4THI	RICK	108	98	10,584	LOW
K1DJ	RICH	205	148	30,340	LOW	WE0P	JOHN	105	97	10,185	LOW
K2ZR	DICK	187	157	29,359	LOW	W2AAB	FRED	104	97	10,088	LOW
W1WBB	BILL	191	146	27,886	LOW	K4GM	GEO	104	96	9,984	LOW
K3UA	PHIL	170	152	25,840	LOW	W9NXM	GUS	103	93	9,579	LOW
N8KH	KEN	169	144	24,336	LOW	W4SPR	SPRAY	105	87	9,135	LOW
KR2AA	ERIC	156	144	22,464	LOW	DF5EG	JOE	100	86	8,600	LOW
WT3K	DARYL	160	138	22,080	LOW	CO6RD	REY	92	92	8,464	LOW
N8FYL	JOHN	171	129	22,059	LOW	N7WY	BOB	91	91	8,281	LOW

(Continued on next page)



(Continued from previous page)

Call	Name	QSOs	Mults	Score	Power	Call	Name	QSOs	Mults	Score	Power
AC9EZ	JIM	96	86	8,256	LOW	SE5L	BEN	46	37	1,702	LOW
DL5DBY	TOM	99	83	8,217	LOW	N4DPM	RICH	41	41	1,681	LOW
K5GQ	MARK	96	82	7,872	LOW	UR2Y	VAL	49	33	1,617	LOW
W3US	RUSTY	89	85	7,565	LOW	VA3PM	PIERRE	40	40	1,600	LOW
AA9SN	SCOTT	91	80	7,280	LOW	NJ3K	BRUCE	39	39	1,521	LOW
WB8MIW	PAT	89	78	6,942	LOW	G3WRJ	DICK	43	35	1,505	LOW
KD2KW	KEN	95	73	6,935	LOW	KG5RXG	MIKE	38	35	1,330	LOW
M0RYB	PETER	92	75	6,900	LOW	RT5P	GENE	38	34	1,292	LOW
G3LDI	ROGER	100	68	6,800	LOW	SP2R	DAREK	38	31	1,178	LOW
K3PI	RUSS	78	78	6,084	LOW	K4BRU	JIM	34	34	1,156	LOW
KC8J	WALT	79	77	6,083	LOW	W4IPU	BRUCE	34	34	1,156	LOW
LB6GG	HANS	83	65	5,395	LOW	NN1RR	ROCKY	34	32	1,088	LOW
NK4O	AJ	74	64	4,736	LOW	OH1SIC	GI	36	30	1,080	LOW
KC7V	MIKE	70	67	4,690	LOW	VE2NCG	NICK	31	31	961	LOW
NS9I	DWIGHT	70	67	4,690	LOW	NG7Z	PAUL	30	30	900	LOW
W0TG	BILL	66	66	4,356	LOW	OU2I	HEN	33	26	858	LOW
K8LBQ	BAIN	72	58	4,176	LOW	N2EIM	BOB	29	29	841	LOW
N5MF	MARK	66	57	3,762	LOW	SM0Y	LARS	29	28	812	LOW
WA9LEY	LEE	63	57	3,591	LOW	W7MTL	CRAIG	27	27	729	LOW
VE2AXO	BOB	59	59	3,481	LOW	K0VD	SAM	26	26	676	LOW
VE3TM	VLAD	59	57	3,363	LOW	PY4XX	CARLOS	25	25	625	LOW
N4CWZ	DAVE	61	55	3,355	LOW	SQ9S	ADAM	23	23	529	LOW
W1KM	GREG	58	57	3,306	LOW	K2NV	TONY	22	22	484	LOW
W8OV	DAVE	57	57	3,249	LOW	G4DYC	MIKE	26	16	416	LOW
KB4DE	BILL	56	54	3,024	LOW	N4MU	BILL	20	20	400	LOW
N5XE	CARL	51	51	2,601	LOW	AG4CC	KAREN	19	19	361	LOW
W8MET	MET	50	50	2,500	LOW	W9ILY	JOHN	18	18	324	LOW
Z32U	ZOKI	54	45	2,430	LOW	SM7CIL	ARNE	17	17	289	LOW
AE4Y	KENT	49	49	2,401	LOW	RV3VR	VIT	16	16	256	LOW
AB7MP	MARK	50	47	2,350	LOW	UA6GO	VLAD	16	16	256	LOW
K2MK	MIKE	48	48	2,304	LOW	DJ1OJ	HEIJO	15	14	210	LOW
KM4HI	JIM	48	48	2,304	LOW	UR5MM	RUDY	14	14	196	LOW
WT9Q	VIC	46	46	2,116	LOW	NA5W	SKIP	11	11	121	LOW
SM5IMO	DAN	50	41	2,050	LOW	K0JP	JACK	10	10	100	LOW
KC4WQ	BUD	45	45	2,025	LOW	W8EH	ERNIE	5	5	25	LOW
W1EQ	BOB	45	45	2,025	LOW	SJ6W	STEN	3	3	9	LOW
N5KB	MIKE	44	44	1,936	LOW	DL1NKB	BERND	1	1	1	LOW
K1LHO	MIKE	44	43	1,892	LOW						
G3YLA	JIM	50	36	1,800	LOW						

Call	Name	QSOs	Mults	Score	Power	Call	Name	QSOs	Mults	Score	Power
N6MA	PAUL	166	123	20,418	QRP	UA6AK	VAL	39	39	1,521	QRP
W1UU	PETER	146	125	18,250	QRP	W6GMT	BROCK	39	38	1,482	QRP
W3RGA	PAT	138	118	16,284	QRP	N3CI	DAVE	32	32	1,024	QRP
AG4EA	BILL	85	77	6,545	QRP	OK2NAJ	JIRI	31	31	961	QRP
WB5BKL	NICK	58	55	3,190	QRP	KA3TTT	AUSTIN	3	3	9	QRP
W7LG	MIKE	51	46	2,346	QRP	W9SAU	DAN	2	2	4	QRP
KR4AE	ALAN	46	42	1,932	QRP						
LY5G	VITAS	45	36	1,620	QRP						

Session 1 Analysis:

For Region 1 High Power, Milen (LZ5R) came in first with final numbers of 414 QSOs, 292 Multipliers and a score of 120,888. Lacy (HA3NU) came in second with a score of 92,736. The Region 2 winner was Bud (AA3B) with an outstanding QSO count of 590, 366 Mults and a score of 215,940. Chas (K3MM) came in second place with a score of 205,770. For Region 3, Gavin (ZL1BBW) came in first with 56 QSOs, 56 Multipliers and a score of 3136. Alan (VK2GR) came in second with a score of 289. Moving on to Low Power, the Region 1 winner was Joe (DF5EG) with a QSO total of 100 and a mult total of 86 resulting in a score of 8,600. Tom (DL5EBY) placed a very close second

(Continued on next page)



(Continued from previous page)

with a score of 8,217. For Region 2 Don (N4ZZ) finished first again this year with 3 a QSO total of 416, mult total of 287 and a score of 119,392 points. Lar (K7SV) placed second again this year with a score of 111,780. The QRP class also turned in some outstanding scores this year with Region 1 Vitas (LY5G) working 45 QSOs and 36 Multipliers for a total of 1620. He just edged out Val (UA6AK) that turned in a score of 1521. Region 2 first place was won by Paul (N6MA) with an impressive 166 QSOs, 123 mults and a score of 20,418. Peter (W1UU) came in second with a score of 18,250.

Session 2 - 1200 to 1600Z

Session 2 results are based on 391 logs received, up 95% from last year, with submissions from all 3 ITU Regions. The QSO totals increased by an amazing 101% and the multipliers were up by 120%. These significant increases resulted in an overall increase in points of 151% and points per log increased by 28% as did Session 1. Session 2 had one submission that exceeded 200K points and 18 exceeding 100K, 1 of which was a low power entry.

Here are the details for Session 2. Plaque and Trophy winners are highlighted in **YELLOW**.

Call	Name	QSOs	Mults	Score	Power	Call	Name	QSOs	Mults	Score	Power
AA3B	BUD	550	366	201,300	HIGH	N5TOO	VAN	292	222	64,824	HIGH
K3WW	CHAS	522	357	186,354	HIGH	G3TXF	NIGEL	274	235	64,390	HIGH
N4AF	HOWIE	482	328	158,096	HIGH	K1EBY	FRANK	292	218	63,656	HIGH
N5AW	MARV	461	322	148,442	HIGH	N3JT	JIM	290	209	60,610	HIGH
N5ZO	MARK	465	314	146,010	HIGH	W5MX	TOM	289	209	60,401	HIGH
N4BP	BOB	422	341	143,902	HIGH	W8FN	RANDY	277	215	59,555	HIGH
K0RF	CHUCK	436	321	139,956	HIGH	K3TEJ	JOHN	265	224	59,360	HIGH
NA8V	GREG	427	304	129,808	HIGH	DK9PY	ARMIN	258	229	59,082	HIGH
N1LN	BRUCE	425	304	129,200	HIGH	K8BZ	STEVE	260	221	57,460	HIGH
N3QE	TIM	420	305	128,100	HIGH	N4ZR	PETE	270	211	56,970	HIGH
K7RL	MITCH	425	297	126,225	HIGH	I2WIJ	BOB	270	209	56,430	HIGH
N3RD	DAVE	410	295	120,950	HIGH	IK0YVV	MARCO	248	227	56,296	HIGH
N3RS	SIG	392	308	120,736	HIGH	W3FV	BARRY	281	198	55,638	HIGH
W4WF	CHRIS	361	316	114,076	HIGH	K4RUM	MIKE	262	211	55,282	HIGH
N5RZ	GATOR	411	276	113,436	HIGH	K7QA	TOM	263	207	54,441	HIGH
K5TR	GEO	402	272	109,344	HIGH	VE7KW	KEITH	271	198	53,658	HIGH
LZ5R	MILEN	370	281	103,970	HIGH	AC6ZM	JUAN	245	216	52,920	HIGH
N5EE	KEN	370	276	102,120	HIGH	N4DW	DAVE	268	197	52,796	HIGH
W5TM	ED	359	284	101,956	HIGH	W1VE	GERRY	239	213	50,907	HIGH
VE3NNT	LES	360	273	98,280	HIGH	HA5JI	GYURI	238	212	50,456	HIGH
K3WJV	BILL	367	267	97,989	HIGH	N1RM	RICK	256	194	49,664	HIGH
K6AR	JIM	357	274	97,818	HIGH	WG3J	ERIC	239	204	48,756	HIGH
W2GD	JOHN	372	258	95,976	HIGH	K3PP	GLENN	244	198	48,312	HIGH
AB0S	TIM	354	271	95,934	HIGH	KV0I	BILL	240	201	48,240	HIGH
WT9U	JIM	341	271	92,411	HIGH	W2CDO	PETER	233	199	46,367	HIGH
W0UO	JIM	351	262	91,962	HIGH	N6RK	RICK	232	199	46,168	HIGH
K4BAI	JOHN	355	258	91,590	HIGH	W0VX	DAVE	243	187	45,441	HIGH
N3AD	ALAN	353	251	88,603	HIGH	K8MR	JIM	245	184	45,080	HIGH
KU8E	JEFF	350	250	87,500	HIGH	K8PK	PETER	228	190	43,320	HIGH
K2TW	TOM	352	245	86,240	HIGH	N4CW	BERT	208	207	43,056	HIGH
KE2D	BOB	331	247	81,757	HIGH	WS1L	CHUCK	227	186	42,222	HIGH
K0ZR	JEFF	317	257	81,469	HIGH	AB0TX	MIKE	220	191	42,020	HIGH
K5KG	GEO	343	231	79,233	HIGH	K7TD	TERRY	223	186	41,478	HIGH
NW3Y	CHICK	317	245	77,665	HIGH	N2NC	JOHN	212	189	40,068	HIGH
HA3NU	LACY	308	249	76,692	HIGH	K3SW	SW	225	177	39,825	HIGH
K3MD	JOHN	329	232	76,328	HIGH	K2AV	GUY	205	186	38,130	HIGH
VE3KI	RICH	304	249	75,696	HIGH	WA3AAN	GRANT	212	178	37,736	HIGH
NN5O	LARRY	307	227	69,689	HIGH	N4GU	MIKE	205	181	37,105	HIGH
WA4PSC	HOWIE	287	242	69,454	HIGH	K4OV	ROB	206	180	37,080	HIGH
N0TA	JOHN	306	220	67,320	HIGH	M2G	JOHN	210	171	35,910	HIGH
K4QPL	JIM	289	227	65,603	HIGH	WA1BXY	DON	194	181	35,114	HIGH
K3CT	JOHN	285	228	64,980	HIGH	K3UL	BOB	207	167	34,569	HIGH

(Continued on next page)



(Continued from previous page)

Call	Name	QSOs	Mults	Score	Power	Call	Name	QSOs	Mults	Score	Power
K2SX	DENNIS	194	168	32,592	HIGH	SD1A	ERIC	109	85	9,265	HIGH
9A1AA	IVO	196	161	31,556	HIGH	G3XLG	RAY	102	86	8,772	HIGH
W0AAE	BOB	191	163	31,133	HIGH	K2CJ	CARL	95	90	8,550	HIGH
W6SX	HANK	179	173	30,967	HIGH	OK1RR	MARTIN	103	83	8,549	HIGH
WN7S	DICK	194	152	29,488	HIGH	KV1E	JACK	93	85	7,905	HIGH
N4FP	WAYNE	185	154	28,490	HIGH	LZ1HW	SPAS	100	78	7,800	HIGH
G4DRS	JOHN	169	167	28,223	HIGH	AF4T	DOUG	92	82	7,544	HIGH
DL6KVA	AXEL	185	150	27,750	HIGH	RK3TD	SERG	82	82	6,724	HIGH
GW2CWO	STEW	174	159	27,666	HIGH	AK1MD	ALEX	84	80	6,720	HIGH
K4QS	CHUCK	171	161	27,531	HIGH	WB4HRL	ED	84	78	6,552	HIGH
K4AFE	JOHN	181	145	26,245	HIGH	LY8A	TOM	79	79	6,241	HIGH
F4VSM	RON	174	149	25,926	HIGH	K0TC	RON	77	72	5,544	HIGH
W2XL	BOB	167	148	24,716	HIGH	PA0INA	FRANS	70	70	4,900	HIGH
K1RV	PI	170	140	23,800	HIGH	SM0FPR	MATS	74	60	4,440	HIGH
KC1KUG	BRAY	165	144	23,760	HIGH	K3IE	HUNTER	66	64	4,224	HIGH
PA3AAV	GERT	163	144	23,472	HIGH	W4PF	STEVE	67	62	4,154	HIGH
UY1HY	VAL	171	135	23,085	HIGH	N5KO	TREY	64	64	4,096	HIGH
UR7GO	ALEX	153	150	22,950	HIGH	9A5MX	SVEN	60	60	3,600	HIGH
NG7M	MAX	154	146	22,484	HIGH	A14WW	DAN	60	60	3,600	HIGH
K2RET	BOB	165	136	22,440	HIGH	K1ESE	JOHN	60	60	3,600	HIGH
VE3KP	KEN	153	144	22,032	HIGH	G4IZZ	MIKE	66	53	3,498	HIGH
W2XYZ	FRANK	163	127	20,701	HIGH	VA2EBI	GEORGE	58	57	3,306	HIGH
EA5IUY	GARY	147	134	19,698	HIGH	NA4J	JIM	59	56	3,304	HIGH
W3BES	JIM	138	125	17,250	HIGH	K1TH	TOM	58	53	3,074	HIGH
RK3ER	ALEX	137	125	17,125	HIGH	KC2LSD	CODY	54	53	2,862	HIGH
W9ILY	JOHN	133	128	17,024	HIGH	HA5NR	GABOR	58	49	2,842	HIGH
K6MM	JOHN	129	129	16,641	HIGH	K1MT	DAVID	52	49	2,548	HIGH
K6NR	DANA	133	123	16,359	HIGH	KR4WI	MATT	51	48	2,448	HIGH
N4YDU	NATE	139	117	16,263	HIGH	EA3HSO	AL	49	49	2,401	HIGH
KC7V	MIKE	137	116	15,892	HIGH	N3JUY	RIDGE	49	48	2,352	HIGH
M2D	PHIL	140	111	15,540	HIGH	DL2OM	RON	43	43	1,849	HIGH
K5LY	LEE	135	109	14,715	HIGH	VA2UR	GUY	42	42	1,764	HIGH
W4XO	LEX	130	108	14,040	HIGH	G4HZV	BOB	43	39	1,677	HIGH
W5GN	BARRY	130	106	13,780	HIGH	DL5JQ	ERHARD	38	38	1,444	HIGH
LY2A	VYTAS	117	117	13,689	HIGH	LY7M	AL	37	37	1,369	HIGH
RM2D	MATS	129	106	13,674	HIGH	VE3TW	STAN	35	35	1,225	HIGH
N3CW	ED	132	102	13,464	HIGH	N2NT	ANDY	34	34	1,156	HIGH
K5YZW	ED	125	104	13,000	HIGH	AB2E	DARRELL	34	33	1,122	HIGH
EA1X	JUAN	114	114	12,996	HIGH	WA5LXS	DENNIS	32	30	960	HIGH
KE4S	DAVE	113	113	12,769	HIGH	E74X	VELJKO	29	29	841	HIGH
KB3Z	MARK	120	104	12,480	HIGH	N9NA	JOHN	26	26	676	HIGH
K7UT	DARRYL	117	105	12,285	HIGH	VK2BJ	BARRY	26	26	676	HIGH
AD0AB	JIM	121	100	12,100	HIGH	LB3RE	RAG	22	22	484	HIGH
K3SV	BILL	110	110	12,100	HIGH	K6ZP	ANDY	15	15	225	HIGH
VE2FK	CLAUDE	110	107	11,770	HIGH	KA1IOR	GEOFF	15	15	225	HIGH
OY1CT	CAEN	107	103	11,021	HIGH	JN1THL	KEN	13	13	169	HIGH
N3AM	JOHN	108	102	11,016	HIGH	KJ9C	MEL	11	10	110	HIGH
W3FIZ	PAT	108	100	10,800	HIGH	DL5YM	FRED	10	10	100	HIGH
K5GA	BILL	107	96	10,272	HIGH	K2YR	CARL	9	9	81	HIGH
N4KW	PETE	104	97	10,088	HIGH	K9CT	CRAIG	7	7	49	HIGH
HB9BJL	CHRIS	106	94	9,964	HIGH						

Call	Name	QSOs	Mults	Score	Power
N4ZZ	DON	378	295	111,510	LOW
K7SV	LAR	348	261	90,828	LOW
K0AD	AL	321	226	72,546	LOW
K0AV	ALAN	299	224	66,976	LOW
W0UA	GEO	299	224	66,976	LOW
N8AA	JOHN	293	218	63,874	LOW
K4FN	DAN	264	214	56,496	LOW
K4OAQ	FRITZ	266	196	52,136	LOW
K1VUT	DAVE	265	188	49,820	LOW
KE8G	JIM	240	198	47,520	LOW
WJ9B	WILL	248	191	47,368	LOW
N4XL	KEN	230	199	45,770	LOW
W3KB	KEITH	250	183	45,750	LOW
VA3SB	SERGE	229	198	45,342	LOW

Call	Name	QSOs	Mults	Score	Power
N8BJQ	STEVE	240	183	43,920	LOW
K1DJ	RICH	231	186	42,966	LOW
N4OO	BRIAN	223	172	38,356	LOW
K3JT	TERRY	213	177	37,701	LOW
K8AJS	JOHN	204	178	36,312	LOW
N2UU	BOB	221	161	35,581	LOW
K2ZR	DICK	212	163	34,556	LOW
VE3UTT	ART	187	172	32,164	LOW
NM5M	ERIC	199	161	32,039	LOW
N8KH	KEN	188	165	31,020	LOW
K9NW	MIKE	186	163	30,318	LOW
NW0M	MITCH	200	151	30,200	LOW
N1DC	RICK	186	156	29,016	LOW
KQ4R	ED	186	151	28,086	LOW

(Continued on next page)



(Continued from previous page)

Call	Name	QSOs	Mults	Score	Power	Call	Name	QSOs	Mults	Score	Power
KR2AA	ERIC	167	145	24,215	LOW	K0JP	JACK	65	59	3,835	LOW
N8FYL	JOHN	176	136	23,936	LOW	AA5AD	JOE	63	60	3,780	LOW
VE3GFN	MIKE	164	145	23,780	LOW	N7WY	BOB	68	55	3,740	LOW
K5XU	MIKE	172	129	22,188	LOW	N5XE	CARL	65	57	3,705	LOW
K2MK	MIKE	175	122	21,350	LOW	W3US	RUSTY	62	58	3,596	LOW
KB3AAY	RON	161	130	20,930	LOW	OK1TA	KAREL	64	56	3,584	LOW
KM4FO	DWIGHT	161	124	19,964	LOW	DM6EE	LUTZ	60	59	3,540	LOW
LB6GG	HANS	154	129	19,866	LOW	UR2Y	VAL	59	59	3,481	LOW
WT3K	DARYL	153	128	19,584	LOW	NS2N	PAUL	58	56	3,248	LOW
AF8A	GARY	153	115	17,595	LOW	N2EIM	BOB	58	55	3,190	LOW
SP1D	ROBERT	145	119	17,255	LOW	K1LHO	MIKE	57	55	3,135	LOW
K0NM	NIZ	136	126	17,136	LOW	W8OV	DAVE	57	55	3,135	LOW
W0TG	BILL	148	114	16,872	LOW	AA0O	PAT	58	54	3,132	LOW
K4TZ	TOM	130	126	16,380	LOW	AE4AN	BRAD	59	53	3,127	LOW
OU2I	HEN	137	119	16,303	LOW	SM7CIL	ARNE	62	50	3,100	LOW
K5ME	BOB	138	110	15,180	LOW	K8GT	GERRY	56	54	3,024	LOW
K3PI	RUSS	124	115	14,260	LOW	G3YLA	JIM	62	47	2,914	LOW
VE3MGY	BRIAN	123	110	13,530	LOW	VA3PM	PIERRE	56	52	2,912	LOW
N1VH	MARTY	133	98	13,034	LOW	KB4DE	BILL	57	51	2,907	LOW
SA6G	LARS	122	106	12,932	LOW	W2AAB	FRED	53	53	2,809	LOW
NS9I	DWIGHT	123	104	12,792	LOW	ND9M	JIM	52	52	2,704	LOW
AE4Y	KENT	123	103	12,669	LOW	G3WRJ	DICK	55	46	2,530	LOW
NJ3K	BRUCE	120	104	12,480	LOW	KC4WQ	BUD	50	50	2,500	LOW
N3CKI	DAVE	117	106	12,402	LOW	AG4CC	KAREN	53	47	2,491	LOW
SM5IMO	DAN	123	100	12,300	LOW	SM0Y	LARS	53	46	2,438	LOW
K2LE	ANDY	118	104	12,272	LOW	EA3FZT	FRANCIS	50	48	2,400	LOW
AD5XI	IAIN	112	108	12,096	LOW	K4YJ	DWIGHT	52	46	2,392	LOW
KA5M	MARSH	115	100	11,500	LOW	UA6GO	VLAD	47	47	2,209	LOW
VE3TM	VLAD	112	101	11,312	LOW	PA3BFH	HERMAN	51	42	2,142	LOW
DF5EG	JOE	110	99	10,890	LOW	N4HAI	TOM	45	45	2,025	LOW
W1EQ	BOB	105	101	10,605	LOW	KB8GAE	RICH	46	44	2,024	LOW
Z32U	ZOKI	110	95	10,450	LOW	HA9RC	ZOLI	50	39	1,950	LOW
K3UA	PHIL	103	97	9,991	LOW	VA3DKL	DAVE	44	44	1,936	LOW
W9NXM	GUS	106	89	9,434	LOW	W3TAS	TOM	45	43	1,935	LOW
UY5VA	VIC	97	97	9,409	LOW	PA3DBS	PETER	44	43	1,892	LOW
K3SEN	DALE	97	96	9,312	LOW	M1X	STEVE	47	39	1,833	LOW
W8MET	MET	100	91	9,100	LOW	M0SEV	PAUL	44	41	1,804	LOW
K4FT	JOHN	101	90	9,090	LOW	OH1SIC	GI	43	39	1,677	LOW
M0RYB	PETER	105	86	9,030	LOW	PA0GRU	DICK	43	36	1,548	LOW
HB9ARF	PHIL	107	84	8,988	LOW	KC8J	WALT	41	37	1,517	LOW
WB8JAY	DAN	99	90	8,910	LOW	N4MU	BILL	39	37	1,443	LOW
DL5DBY	TOM	101	86	8,686	LOW	K7AZT	PAUL	39	36	1,404	LOW
K0FX	DON	95	89	8,455	LOW	OH6BA	OLLI	40	35	1,400	LOW
G4PVM	PAUL	101	81	8,181	LOW	DL4XU	UWE	39	32	1,248	LOW
VE2AXO	BOB	94	83	7,802	LOW	FG8NY	JEAN	35	35	1,225	LOW
NK4O	AJ	95	81	7,695	LOW	K8LBQ	BAIN	32	32	1,024	LOW
NG2J	JIM	94	80	7,520	LOW	RT5P	GENE	32	30	960	LOW
G3LDI	ROGER	98	76	7,448	LOW	SM7RYR	ROGER	32	30	960	LOW
W2LCQ	ED	88	81	7,128	LOW	VE2NCG	NICK	30	30	900	LOW
NF8M	FRANK	85	83	7,055	LOW	OH5ZA	ZABA	31	29	899	LOW
N3HEE	JOE	84	76	6,384	LOW	DL9ZOG	JOHN	30	29	870	LOW
SQ9S	ADAM	89	68	6,052	LOW	GM4OSS	STEVE	33	26	858	LOW
AA9SN	SCOTT	81	74	5,994	LOW	KF3G	SAM	29	29	841	LOW
DJ1OJ	HEIJO	80	71	5,680	LOW	PE1BQE	TON	29	29	841	LOW
VE3EJ	JOHN	75	75	5,625	LOW	SM5DXR	CHRIS	29	29	841	LOW
W4THI	RICK	78	71	5,538	LOW	KG5RXG	MIKE	28	27	756	LOW
GM4WZG	BERN	78	67	5,226	LOW	AB7MP	MARK	30	24	720	LOW
K3HW	BILL	73	70	5,110	LOW	PD7CJT	CHRIS	26	26	676	LOW
WE0P	JOHN	72	70	5,040	LOW	KB4CG	JACK	27	25	675	LOW
KM4HI	JIM	76	66	5,016	LOW	K5GQ	MARK	25	25	625	LOW
KM4CH	JOHN	72	65	4,680	LOW	K4GM	GEO	26	24	624	LOW
N8LR	GARY	69	67	4,623	LOW	N4NTO	TRIPP	25	24	600	LOW
KD2KW	KEN	71	65	4,615	LOW	G3SQU	CHRIS	24	22	528	LOW
SE5L	BEN	72	64	4,608	LOW	AJ1AJ	AJ	21	21	441	LOW
SP2R	DAREK	77	58	4,466	LOW	K6RM	BARRY	19	19	361	LOW
WT9Q	VIC	66	65	4,290	LOW	VE3LMS	GRANT	18	18	324	LOW
KG3V	TOM	66	63	4,158	LOW	OK2GU	GUST	19	16	304	LOW
W1KM	GREG	70	58	4,060	LOW	AA0AW	DOUG	17	17	289	LOW
K6RB	ROB	64	62	3,968	LOW	DH2URF	RICH	16	16	256	LOW

(Continued on next page)



(Continued from previous page)

Call	Name	QSOs	Mults	Score	Power	Call	Name	QSOs	Mults	Score	Power
NE9A	MEL	16	16	256	LOW	DL1NKB	BERND	9	7	63	LOW
UT3UZ	ALEX	16	16	256	LOW	CO6RD	REY	7	7	49	LOW
RK3TT	DIMA	14	14	196	LOW	K7MSO	MIKE	7	7	49	LOW
PA7KY	JOS	14	13	182	LOW	SJ6W	STEN	7	7	49	LOW
PY2QT	JOAO	12	12	144	LOW	UX1HW	ART	7	7	49	LOW
WA9LEY	LEE	12	12	144	LOW	SQ5VCO	ADAM	6	6	36	LOW
M0NGN	NIGE	12	11	132	LOW	TM10GFT	ANDY	4	4	16	LOW
SP9BRP	JAN	11	11	121	LOW	SV1SFQ	GEO	3	3	9	LOW
EA5KO	ANDY	10	10	100	LOW	B0GUS	BURT	2	2	4	LOW
W8EH	ERNIE	10	10	100	LOW	JH4FUF	IKKAN	2	2	4	LOW
WA8YZB	JOHN	10	10	100	LOW	OH2BN	JARMO	1	1	1	LOW
DD7CW	ROCKY	10	9	90	LOW						

Call	Name	QSOs	Mults	Score	Power	Call	Name	QSOs	Mults	Score	Power
W1UU	PETER	148	120	17,760	QRP	N6TVN	CARL	45	42	1,890	QRP
AG4EA	BILL	99	88	8,712	QRP	OK2NAJ	JIRI	46	38	1,748	QRP
LY5G	VITAS	68	54	3,672	QRP	AA5W	JIM	43	39	1,677	QRP
KR4AE	ALAN	62	57	3,534	QRP	UA6AK	VAL	42	35	1,470	QRP
WB5BKL	NICK	58	53	3,074	QRP	PE2K	ADI	28	23	644	QRP
W7LG	MIKE	54	53	2,862	QRP	RW3AI	VAL	24	19	456	QRP
N3CI	DAVE	49	46	2,254	QRP	UA9CHL	VADIM	8	8	64	QRP
W6GMT	BROCK	47	41	1,927	QRP	W9SAU	DAN	1	1	1	QRP

Session 2 Analysis:

For Region 1 High Power, Milen (LZ5R) once again came in first with final numbers of 370 QSOs, 281 Multipliers and a score of 103,970. Lacy (HA3NU) again came in second with a score of 76,692. Bud (AA3B) finished in first place again for Region 2 with an outstanding QSO count of 550, 366 Mults and a score of 201,300. Chas (K3MM) came in second place once more with a score of 186,354. For Region 3, Barry (VK2BJ) came in first with 26 QSOs, 26 Multipliers and a score of 676. Moving on to Low Power, the Region 1 winner was Hans (LB6GG) with a QSO total of 154 and a mult total of 129 resulting in a score of 19,866. Robert (SP1D) placed second with a score of 17,255. For Region 2 Don (N4ZZ) once again claimed first place with a QSO total of 378, a mult total of 295 and a score of 111,510 points. Lar (K7SV) again placed second again this year with a score of 90,828. In Region 3 Ikkan (JH4FUF) finished first with 2 QSOs and 2 Mults scoring 4 points. Moving on to the QRP class, the Region 1 winner was Vitas (LY5G) working 68 QSOs and 54 Multipliers for a total score of 3672. Jiri (OK2NAJ) finished second with a score of 1748. Region 2 first place was won by Peter (W1UU) with an impressive 148 QSOs, 120 mults and a score of 17,760. Bill (AG4EA) came in second with a score of 8,712.

Session 3 – 2000Z to 0000Z

Session 3 results represent the most significant increases for 2020. These increases are based on a truly fantastic count of 400 logs received, up 99% from last year, and again with submissions from all 3 ITU Regions. The QSO totals increased by an amazing 112% and the multipliers were up by 131%. These significant increases resulted in an overall increase in points of 169% and points per log increased by 35%. Session 3 had two submissions that exceeded 200K points and 18 exceeding 100K, 1 of which was a low power entry.

Here are the details for Session 3. Plaque and Trophy winners are highlighted in YELLOW.

(Continued on next page)



(Continued from previous page)

Call	Name	QSOs	Mults	Score	Power	Call	Name	QSOs	Mults	Score	Power
AA3B	BUD	544	393	213,792	HIGH	KE1B	RICH	238	228	54,264	HIGH
K3WW	CHAS	545	389	212,005	HIGH	K4QPL	JIM	255	211	53,805	HIGH
LZ5R	MILEN	506	340	172,040	HIGH	NN5O	LARRY	249	205	51,045	HIGH
N4AF	HOWIE	460	336	154,560	HIGH	N1RM	RICK	245	199	48,755	HIGH
N4BP	BOB	440	344	151,360	HIGH	9A1AA	IVO	253	185	46,805	HIGH
K0RF	CHUCK	440	335	147,400	HIGH	VE7KW	KEITH	217	212	46,004	HIGH
N5ZO	MARK	431	339	146,109	HIGH	K3SW	SW	239	192	45,888	HIGH
N5RZ	GATOR	440	323	142,120	HIGH	K8JQ	STEVE	234	187	43,758	HIGH
HA3NU	LACY	432	317	136,944	HIGH	GW2CWO	STEW	234	184	43,056	HIGH
N1LN	BRUCE	425	320	136,000	HIGH	N4YDU	NATE	226	185	41,810	HIGH
N3RD	DAVE	444	305	135,420	HIGH	G4DRS	JOHN	225	181	40,725	HIGH
HA5JI	GYURI	435	309	134,415	HIGH	WA3AAN	GRANT	225	180	40,500	HIGH
N3RS	SIG	415	314	130,310	HIGH	K5UV	MIKE	222	180	39,960	HIGH
K5TR	GEO	397	321	127,437	HIGH	N4DW	DAVE	212	175	37,100	HIGH
NA8V	GREG	392	294	115,248	HIGH	DF7TV	TOM	207	179	37,053	HIGH
N3QE	TIM	383	298	114,134	HIGH	K8MR	JIM	198	170	33,660	HIGH
K6AR	JIM	372	304	113,088	HIGH	AC6ZM	JUAN	185	175	32,375	HIGH
N5EE	KEN	367	303	111,201	HIGH	KV0I	BILL	191	167	31,897	HIGH
WT9U	JIM	378	288	108,864	HIGH	VA7DX	NEIL	177	177	31,329	HIGH
W4WF	CHRIS	358	304	108,832	HIGH	WS1L	CHUCK	190	161	30,590	HIGH
DK9PY	ARMIN	376	276	103,776	HIGH	PA3AAV	GERT	200	151	30,200	HIGH
I2WIJ	BOB	372	278	103,416	HIGH	K1RV	PI	187	160	29,920	HIGH
K5KG	GEO	354	292	103,368	HIGH	W2CDO	PETER	187	158	29,546	HIGH
K7RL	MITCH	349	288	100,512	HIGH	K4AFE	JOHN	185	157	29,045	HIGH
G3TXF	NIGEL	363	276	100,188	HIGH	W0VX	DAVE	191	150	28,650	HIGH
N3AD	ALAN	357	278	99,246	HIGH	WN7S	DICK	184	153	28,152	HIGH
W5TM	ED	346	283	97,918	HIGH	VE3KP	KEN	188	149	28,012	HIGH
K3WJV	BILL	362	264	95,568	HIGH	WT2P	CJ	176	159	27,984	HIGH
W1WEF	JACK	350	264	92,400	HIGH	W8FN	RANDY	167	163	27,221	HIGH
WD6T	DAVE	329	277	91,133	HIGH	KC7V	MIKE	172	148	25,456	HIGH
K2RD	IRA	331	272	90,032	HIGH	AD0AB	JIM	156	146	22,776	HIGH
K7TD	TERRY	316	275	86,900	HIGH	W2XYZ	FRANK	161	135	21,735	HIGH
N2MM	CAROL	325	266	86,450	HIGH	K2SX	DENNIS	153	142	21,726	HIGH
W2GD	JOHN	342	247	84,474	HIGH	N5AW	MARV	150	138	20,700	HIGH
VA2UR	GUY	317	266	84,322	HIGH	N3AM	JOHN	161	127	20,447	HIGH
AB0S	TIM	323	261	84,303	HIGH	N2RC	MIKE	152	133	20,216	HIGH
K4RUM	MIKE	329	253	83,237	HIGH	K4OV	ROB	140	135	18,900	HIGH
NG7M	MAX	310	262	81,220	HIGH	OZ3SM	STEVE	153	112	17,136	HIGH
K4BAI	JOHN	334	243	81,162	HIGH	W5GN	BARRY	145	116	16,820	HIGH
K1EBY	FRANK	306	262	80,172	HIGH	AB0TX	MIKE	133	124	16,492	HIGH
NW3Y	CHICK	316	252	79,632	HIGH	M2D	PHIL	154	106	16,324	HIGH
K0ZR	JEFF	318	250	79,500	HIGH	N3CW	ED	142	113	16,046	HIGH
KE2D	BOB	314	253	79,442	HIGH	KY7M	LEE	130	118	15,340	HIGH
K2TW	TOM	323	242	78,166	HIGH	W2XL	BOB	123	118	14,514	HIGH
DL3DXX	MAR	316	237	74,892	HIGH	OK1RR	MARTIN	138	104	14,352	HIGH
W3BES	JIM	302	247	74,594	HIGH	SF1Z	JENS	134	102	13,668	HIGH
N0TA	JOHN	307	239	73,373	HIGH	N7US	JIM	115	115	13,225	HIGH
N4CW	BERT	292	251	73,292	HIGH	AK1MD	ALEX	120	109	13,080	HIGH
KU8E	JEFF	307	230	70,610	HIGH	NA2U	FRED	126	103	12,978	HIGH
W0UO	JIM	294	239	70,266	HIGH	G3XLG	RAY	128	101	12,928	HIGH
K9CT	CRAIG	286	244	69,784	HIGH	W0AAE	BOB	120	107	12,840	HIGH
K6NR	DANA	292	238	69,496	HIGH	K2CJ	CARL	118	105	12,390	HIGH
K7QA	TOM	283	243	68,769	HIGH	N5UM	AL	111	111	12,321	HIGH
K3UL	BOB	295	233	68,735	HIGH	WG3J	ERIC	111	108	11,988	HIGH
W3FV	BARRY	291	228	66,348	HIGH	A14WW	DAN	109	106	11,554	HIGH
N4ZR	PETE	307	210	64,470	HIGH	UY1HY	VAL	117	97	11,349	HIGH
K3MD	JOHN	299	213	63,687	HIGH	K3SV	BILL	107	105	11,235	HIGH
K5CI	LEO	279	228	63,612	HIGH	VE2FK	CLAUDE	118	94	11,092	HIGH
WA4PSC	HOWIE	273	228	62,244	HIGH	DL5JQ	ERHARD	117	93	10,881	HIGH
K0VXU	RUSS	270	229	61,830	HIGH	W6SX	HANK	106	102	10,812	HIGH
M2G	JOHN	286	214	61,204	HIGH	RM2D	MATS	128	83	10,624	HIGH
N6RK	RICK	258	237	61,146	HIGH	W4XO	LEX	106	98	10,388	HIGH
N3JT	JIM	276	221	60,996	HIGH	K8BZ	STEVE	102	100	10,200	HIGH
K3CT	JOHN	262	227	59,474	HIGH	W1TO	TOM	96	96	9,216	HIGH
F4VSM	RON	272	218	59,296	HIGH	WA1BXY	DON	95	95	9,025	HIGH
N2NC	JOHN	272	218	59,296	HIGH	KB3Z	MARK	98	92	9,016	HIGH
EA1X	JUAN	253	228	57,684	HIGH	EA5FID	JUAN	94	94	8,836	HIGH
N5TOO	VAN	258	217	55,986	HIGH	K3IE	HUNTER	97	91	8,827	HIGH
AE6Y	ANDY	252	220	55,440	HIGH	K6MM	JOHN	93	93	8,649	HIGH

(Continued on next page)



(Continued from previous page)

Call	Name	QSOs	Mults	Score	Power	Call	Name	QSOs	Mults	Score	Power
PA0INA	FRANS	102	82	8,364	HIGH	EA4OR	IGNACIO	52	52	2,704	HIGH
DL4ME	RON	99	84	8,316	HIGH	PA5KT	HENK	49	43	2,107	HIGH
W5MX	TOM	92	90	8,280	HIGH	R4BZ	ANDY	46	43	1,978	HIGH
LY2A	VYTAS	90	90	8,100	HIGH	LA8HGA	JON	45	42	1,890	HIGH
W3FIZ	PAT	94	86	8,084	HIGH	WA5LHM	SCOTT	43	38	1,634	HIGH
AB2E	DARRELL	90	86	7,740	HIGH	K4QS	CHUCK	40	40	1,600	HIGH
W4VIC	VIC	90	81	7,290	HIGH	N4GU	MIKE	40	40	1,600	HIGH
K5LY	LEE	90	80	7,200	HIGH	LY7M	AL	39	39	1,521	HIGH
KC2LSD	CODY	90	78	7,020	HIGH	SD1A	ERIC	38	34	1,292	HIGH
K0TC	RON	87	80	6,960	HIGH	EA3HSO	AL	35	35	1,225	HIGH
K2AV	GUY	78	78	6,084	HIGH	KE4S	DAVE	35	35	1,225	HIGH
W9ILY	JOHN	77	73	5,621	HIGH	KJ9C	MEL	35	35	1,225	HIGH
KV1E	JACK	77	68	5,236	HIGH	N0CVW	CHAS	35	35	1,225	HIGH
ZL1BBW	GAVIN	71	71	5,041	HIGH	VK2GR	ALLAN	35	35	1,225	HIGH
N5VR	BILL	73	68	4,964	HIGH	E74X	VELJKO	36	34	1,224	HIGH
KA1IOR	GEOFF	70	70	4,900	HIGH	RK3TD	SERG	33	33	1,089	HIGH
K7UT	DARRYL	69	69	4,761	HIGH	W6KC	JIM	32	32	1,024	HIGH
K1TH	TOM	70	65	4,550	HIGH	W2DLT	VAN	33	31	1,023	HIGH
K6KM	ROB	71	64	4,544	HIGH	N5KO	TREY	32	31	992	HIGH
K1ESE	JOHN	65	63	4,095	HIGH	WA3GM	GREG	32	31	992	HIGH
KT4XN	TOM	65	62	4,030	HIGH	K1MT	DAVID	30	30	900	HIGH
WA5LXS	DENNIS	66	61	4,026	HIGH	WA6URY	DAN	30	30	900	HIGH
K3PP	GLENN	62	62	3,844	HIGH	VE3NNT	LES	30	29	870	HIGH
N2SO	CHAS	66	56	3,696	HIGH	VK2BJ	BARRY	23	23	529	HIGH
WB4HRL	ED	63	58	3,654	HIGH	SM7IUN	BJORN	22	22	484	HIGH
IK0YVV	MARCO	63	57	3,591	HIGH	K1SM	BILL	22	22	484	HIGH
KE4KY	TOM	58	58	3,364	HIGH	KF6NCX	LARRY	22	21	462	HIGH
WX8C	HARRY	59	56	3,304	HIGH	R7DA	ALEX	19	19	361	HIGH
SM0FPR	MATS	63	52	3,276	HIGH	W4PF	STEVE	17	17	289	HIGH
W8FJ	JOHN	57	52	2,964	HIGH	LB5GI	GERY	15	15	225	HIGH
LB3RE	RAG	58	51	2,958	HIGH	N2NT	ANDY	8	8	64	HIGH
NA4J	JIM	54	54	2,916	HIGH	PY5AMF	MAR	5	5	25	HIGH
HA5NR	GABOR	56	49	2,744	HIGH	JN1THL	KEN	2	2	4	HIGH

Call	Name	QSOs	Mults	Score	Power	Call	Name	QSOs	Mults	Score	Power
N4ZZ	DON	373	299	111,527	LOW	KE8G	JIM	157	146	22,922	LOW
W0UA	GEO	342	272	93,024	LOW	KG3V	TOM	162	139	22,518	LOW
K0AV	ALAN	333	260	86,580	LOW	OU2I	HEN	161	131	21,091	LOW
K0AD	AL	309	246	76,014	LOW	K3UA	PHIL	149	136	20,264	LOW
K7SV	LAR	311	232	72,152	LOW	DL5DBY	TOM	167	113	18,871	LOW
WJ9B	WILL	273	230	62,790	LOW	K5XU	MIKE	146	128	18,688	LOW
N8AA	JOHN	280	223	62,440	LOW	W0TG	BILL	147	122	17,934	LOW
K4OAQ	FRITZ	263	216	56,808	LOW	NJ8J	BEN	147	121	17,787	LOW
K1VUT	DAVE	262	216	56,592	LOW	N1VH	MARTY	143	123	17,589	LOW
N8BJQ	STEVE	261	203	52,983	LOW	XE1IM	SAL	129	129	16,641	LOW
K4FN	DAN	260	202	52,520	LOW	K3PI	RUSS	134	122	16,348	LOW
W6LAX	ROGER	241	215	51,815	LOW	WT3K	DARYL	131	124	16,244	LOW
W3KB	KEITH	268	193	51,724	LOW	DF5EG	JOE	137	117	16,029	LOW
K0VBU	BILL	229	194	44,426	LOW	N3CKI	DAVE	127	125	15,875	LOW
K1DJ	RICH	228	181	41,268	LOW	KM4FO	DWIGHT	138	114	15,732	LOW
SP1D	ROBERT	234	176	41,184	LOW	NS9I	DWIGHT	130	119	15,470	LOW
K0FX	DON	214	182	38,948	LOW	VE3GFN	MIKE	131	115	15,065	LOW
W1WBB	BILL	214	178	38,092	LOW	K9WX	TIM	129	113	14,577	LOW
N4OO	BRIAN	210	175	36,750	LOW	LB6GG	HANS	144	101	14,544	LOW
VA3SB	SERGE	200	176	35,200	LOW	W8OV	DAVE	126	115	14,490	LOW
N1DC	RICK	196	170	33,320	LOW	VE3TM	VLAD	127	114	14,478	LOW
K0NM	NIZ	185	178	32,930	LOW	NJ3K	BRUCE	122	117	14,274	LOW
N8LR	GARY	193	164	31,652	LOW	Z32U	ZOKI	133	102	13,566	LOW
N0AX	WARD	199	159	31,641	LOW	N5XE	CARL	126	107	13,482	LOW
K3JT	TERRY	195	160	31,200	LOW	KA5M	MARSH	122	110	13,420	LOW
K2ZR	DICK	191	159	30,369	LOW	NS6W	SERGE	125	101	12,625	LOW
K8AJS	JOHN	182	166	30,212	LOW	G3LDI	ROGER	137	92	12,604	LOW
N2UU	BOB	187	153	28,611	LOW	K5WQG	ED	112	112	12,544	LOW
W1QK	DAN	181	157	28,417	LOW	NF8M	FRANK	109	106	11,554	LOW
N8FYL	JOHN	182	143	26,026	LOW	KD2KW	KEN	113	98	11,074	LOW
KB3AAY	RON	173	149	25,777	LOW	EA3FZT	FRANCIS	114	97	11,058	LOW
K5ME	BOB	169	143	24,167	LOW	NK4O	AJ	114	97	11,058	LOW
						HB9ARF	PHIL	115	94	10,810	LOW

(Continued on next page)



(Continued from previous page)

Call	Name	QSOs	Mults	Score	Power	Call	Name	QSOs	Mults	Score	Power
W2AAB	FRED	111	96	10,656	LOW	K0VD	SAM	41	40	1,640	LOW
SP2R	DAREK	121	83	10,043	LOW	AD5XI	IAIN	42	38	1,596	LOW
N4HAI	TOM	103	96	9,888	LOW	DL5AXX	ULF	39	39	1,521	LOW
NW0M	MITCH	99	94	9,306	LOW	N4CWZ	DAVE	39	39	1,521	LOW
W8MET	MET	102	90	9,180	LOW	SM5IMO	DAN	43	35	1,505	LOW
WE0P	JOHN	102	90	9,180	LOW	EA5KO	ANDY	38	38	1,444	LOW
VE3UTT	ART	96	94	9,024	LOW	VE2FD	STEVE	38	38	1,444	LOW
K3HW	BILL	91	85	7,735	LOW	AB7MP	MARK	39	37	1,443	LOW
SQ9S	ADAM	93	82	7,626	LOW	K2NV	TONY	36	35	1,260	LOW
AA9SN	SCOTT	92	82	7,544	LOW	SV1RUX	GREECE	35	35	1,225	LOW
GM4WZG	BERN	108	68	7,344	LOW	G4DYC	MIKE	38	31	1,178	LOW
DJ1OJ	HEIJO	88	74	6,512	LOW	WB8MIW	PAT	34	34	1,156	LOW
W8EH	ERNIE	78	78	6,084	LOW	DL4XU	UWE	36	30	1,080	LOW
KM4CH	JOHN	81	75	6,075	LOW	M1X	STEVE	33	31	1,023	LOW
K3SEN	DALE	77	77	5,929	LOW	AG4CC	KAREN	32	31	992	LOW
VE3SMA	STEVE	77	77	5,929	LOW	K8LBQ	BAIN	32	31	992	LOW
N0EO	NEO	80	74	5,920	LOW	NB0Z	JAMES	32	31	992	LOW
W4THI	RICK	78	75	5,850	LOW	NE9A	MEL	31	31	961	LOW
W1KM	GREG	76	74	5,624	LOW	DQ750KL	LUTZ	30	30	900	LOW
G3WRJ	DICK	84	63	5,292	LOW	N4XL	KEN	30	30	900	LOW
K1GU	NED	72	72	5,184	LOW	PA3BFH	HERMAN	31	28	868	LOW
K9NW	MIKE	76	68	5,168	LOW	K8WWS	BILL	29	29	841	LOW
G4PVM	PAUL	79	65	5,135	LOW	WX9U	PETE	29	28	812	LOW
HA9RC	ZOLI	71	71	5,041	LOW	W1EQ	BOB	27	27	729	LOW
G3YLA	JIM	76	64	4,864	LOW	W3TAS	TOM	27	27	729	LOW
OH1SIC	GI	83	57	4,731	LOW	OK2GU	GUST	28	26	728	LOW
SF6W	GEO	76	62	4,712	LOW	SE5L	BEN	27	26	702	LOW
FG8NY	JEAN	70	64	4,480	LOW	RT5P	GENE	27	23	621	LOW
KB3LIX	ZIG	72	60	4,320	LOW	W9RE	MIKE	24	24	576	LOW
NG7Z	PAUL	64	64	4,096	LOW	OH2MZA	ZABA	27	21	567	LOW
W9NXM	GUS	63	63	3,969	LOW	PE1BQE	TON	22	22	484	LOW
EA1DP	JOSE	63	57	3,591	LOW	PY4XX	CARLOS	22	22	484	LOW
VA3DKL	DAVE	59	59	3,481	LOW	KE0TT	DAN	23	21	483	LOW
KM4HI	JIM	60	57	3,420	LOW	ND9M	JIM	21	21	441	LOW
VE7IO	FRED	57	57	3,249	LOW	N2EIM	BOB	20	20	400	LOW
K1LHO	MIKE	60	54	3,240	LOW	AF8A	GARY	17	17	289	LOW
K4BRU	JIM	57	56	3,192	LOW	DD7CW	ROCKY	16	16	256	LOW
N5MF	MARK	60	53	3,180	LOW	AJ1AJ	AJ	16	16	256	LOW
K4TZ	TOM	54	54	2,916	LOW	N5GNA	BOB	15	15	225	LOW
KQ4R	ED	55	53	2,915	LOW	VE2NCG	NICK	15	15	225	LOW
W7GF	MIKE	55	53	2,915	LOW	K5IX	DAVE	15	14	210	LOW
SM7CIL	ARNE	56	50	2,800	LOW	NA5W	SKIP	15	13	195	LOW
VA3PM	PIERRE	56	50	2,800	LOW	EI6KW	SLAV	12	12	144	LOW
K5GQ	MARK	53	51	2,703	LOW	IT9ORA	JO	12	12	144	LOW
K6RB	ROB	51	51	2,601	LOW	KF3G	SAM	12	12	144	LOW
K4GM	GEO	52	49	2,548	LOW	WA9LEY	LEE	12	12	144	LOW
KB4DE	BILL	50	48	2,400	LOW	SM7RYR	ROGER	11	11	121	LOW
W2LCQ	ED	51	47	2,397	LOW	DL1NKB	BERND	9	9	81	LOW
K7AZT	PAUL	49	46	2,254	LOW	JH4FUF	IKKAN	9	9	81	LOW
KB8GAE	RICH	47	45	2,115	LOW	PA7KY	JOS	6	6	36	LOW
NM5M	ERIC	47	45	2,115	LOW	RV3VR	VIT	6	6	36	LOW
K0INN	TOM	47	44	2,068	LOW	OE3GRJ	JEFF	3	3	9	LOW
K2MK	MIKE	45	45	2,025	LOW	JH1JNJ	HIRO	3	3	9	LOW
KC4WQ	BUD	44	44	1,936	LOW	G3SQU	CHRIS	2	2	4	LOW
N4MU	BILL	45	43	1,935	LOW	SJ6W	STEN	2	2	4	LOW
WA1FMM	DAN	47	41	1,927	LOW	OH2BN	JARMO	1	1	1	LOW
LZ1ZJ	SLAV	46	39	1,794	LOW	K7MSO	MIKE	1	1	1	LOW

Call	Name	QSOs	Mults	Score	Power
W1UU	PETER	155	130	20,150	QRP
N4FP	WAYNE	132	114	15,048	QRP
AG4EA	BILL	92	90	8,280	QRP
LY5G	VITAS	97	68	6,596	QRP
YL3FW	SERGE	85	65	5,525	QRP
N6TVN	CARL	70	67	4,690	QRP
OK2NAJ	JIRI	70	51	3,570	QRP
W6GMT	BROCK	60	57	3,420	QRP
WB5BKL	NICK	54	49	2,646	QRP

Call	Name	QSOs	Mults	Score	Power
WA7LNW	JACK	49	44	2,156	QRP
UA6AK	VAL	48	43	2,064	QRP
W7LG	MIKE	31	31	961	QRP
KR4AE	ALAN	23	23	529	QRP
RW3AI	VAL	11	10	110	QRP
KA3TTT	AUSTIN	10	10	100	QRP
N3CI	DAVE	9	9	81	QRP
W9SAU	DAN	1	1	1	QRP

(Continued on next page)



(Continued from previous page)

Session 3 Analysis:

For Region 1 High Power, Milen (LZ5R) once again came in first with final numbers of 506 QSOs, 340 Multipliers and a score of 172,040. Lacy (HA3NU) again came in second with a score of 136,944. Bud (AA3B) finished in first place again for Region 2 with a QSO count of 544, 393 Mults and a score of 213,792. Chas (K3MM) came in second place once more with a score of 212,005. Chas had 1 additional QSO, but down 4 in mults. A race to the finish! For Region 3, Allan (VK2GR) came in first with 35 QSOs, 35 Multipliers and a score of 1225. Moving on to Low Power, the Region 1 winner was Robert (SP1D) with a QSO total of 234 and a mult total of 176 resulting in a score of 41,184. Hen (OU2I) placed second with a score of 21,091. For Region 2 Don (N4ZZ) once again claimed first place with a QSO total of 373, a mult total of 299 and a score of 111,527 points. Second place went to Geo (W0UA) with a score of 93,024. In Region 3 Ikkan (JH4FUF) once again finished in first place with 9 QSOs and 9 Mults scoring 81 points. Moving on to the QRP class, the Region 1 winner was once again Vitas (LY5G) working 97 QSOs and 68 Multipliers for a total score of 6,596. Serge (YL3FW) finished second with a score of 5525. Region 2 first place once again was won by Peter (W1UU) with another impressive showing with a QSO total of 155 QSOs, 130 mults and a score of 20,150. Wayne (N4FP) came in second with a score of 15,048.

Team Scores:

The 2020 CW Open also delivered in the Team Entry statistics. Putting together a team to participate in the CW Opens is always a fun way to increase participation and friendly intra and inter team competition. This year we had 24 teams register. The team sizes ranged from only 2 members up to the maximum allowed of 10 members. Regions 1 and 2 participated in the team category. Region 3 also submitted a team, but they were not able to activate. Maybe next year. As you would expect, the team scores were WAY UP with the 2020 first place team score exceeding the 2019 first place team by over 2 million points. Here are the detail scores and team finishes:

	Session 1	Session 2	Session 3	Total
1. FRC Team Proficiency				
AA3B	215,940	201,300	213,792	631,032
K3WW	205,770	186,354	212,005	604,129
N3RD	134,976	120,950	135,420	391,346
W2GD	118,525	95,976	84,474	298,975
K3WJV	114,114	97,989	95,568	307,671
N3RS	106,312	120,736	130,310	357,358
K3MD	73,424	76,328	63,687	213,439
N3AD	59,823	88,603	99,246	247,672
K2TW	99,428	86,240	78,166	263,834
NW3Y	43,524	77,665	79,632	200,821
	1,171,836	1,152,141	1,192,300	3,516,277

	Session 1	Session 2	Session 3	Total
2. Deep Dixie CC Team Phoenix				
K7RL	146,775	126,225	100,512	373,512
K0RF	145,230	139,956	147,400	432,586
N5ZO	177,112	146,010	146,109	469,231
N4BP	97,226	143,902	151,360	392,488
K7SV	111,780	90,828	72,152	274,760
KU8E	90,816	87,500	70,610	248,926
WT9U	107,158	92,411	108,864	308,433
W0UA	107,067	66,976	93,024	267,067
W0UO	82,583	91,962	70,266	244,811
W4WF	76,053	114,076	108,832	298,961
	1,141,800	1,099,846	1,069,129	3,310,775

3. Deep Dixie CC Team Firebird				
N5EE	85,170	102,120	111,201	298,491
N8BJQ	59,796	43,920	52,983	156,699
W5TM	107,199	101,956	97,918	307,073
N8AA	63,176	63,874	62,440	189,490
AB0S	94,776	95,934	84,303	275,013
N4XL	63,140	45,770	900	109,810
K0AV	89,309	66,976	86,580	242,865
W1VE	95,565	50,907	0	146,472
AB0TX	77,826	42,020	16,492	136,338
N3JT	65,715	60,610	60,996	187,321
	801,672	674,087	573,813	2,049,572

4. Bands On The Run				
N4AF	157,842	158,096	154,560	470,498
WA4PSC	54,540	69,454	62,244	186,238
N4CW	74,104	43,056	73,292	190,452
N4KW	16,244	10,088	0	26,332
K4QPL	50,629	65,603	53,805	170,037
K2AV	42,173	38,130	6,084	86,387
K4OV	28,028	37,080	18,900	84,008
N4GU	10,028	37,105	1,600	48,733
K4BAI	114,570	91,590	81,162	287,322
N1LN	114,814	129,200	136,000	380,014
	662,972	679,402	587,647	1,930,021

(Continued on next page)



(Continued from previous page)

	Session 1	Session 2	Session 3	Total
5. EU-CWops Europhoria				
LB6GG	5,395	19,866	14,544	39,805
RM2D	5,412	13,674	10,624	29,710
DK9PY	64,584	59,082	103,776	227,442
IK0YVV	3,630	56,296	3,591	63,517
HA3NU	92,736	76,692	136,944	306,372
DL6KVA	3,942	27,750	0	31,692
9A1AA	15,228	31,556	46,805	93,589
LZ5R	120,888	103,970	172,040	396,898
I2WIJ	70,744	56,430	103,416	230,590
M2G	20,480	35,910	61,204	117,594
	403,039	481,226	652,944	1,537,209

7. FRC Team Competency				
W3KB	59,470	45,750	51,724	156,944
WG3J	73,872	48,756	11,988	134,616
KE2D	76,440	81,757	79,442	237,639
K3UL	45,568	34,569	68,735	148,872
K3PP	41,452	48,312	3,844	93,608
W3FV	64,680	55,638	66,348	186,666
K3CT	71,876	64,980	59,474	196,330
WA3AAN	41,830	37,736	40,500	120,066
W2LCQ	0	7,128	2,397	9,525
K3HW	0	5,110	7,735	12,845
	475,188	429,736	392,187	1,297,111

9. DFWCG Team Tejax				
NM5M	0	32,039	2,115	34,154
WA5LXS	5,390	960	4,026	10,376
W8OV	3,249	3,135	14,490	20,874
W0TG	4,356	16,872	17,934	39,162
K5GA	625	10,272	0	10,897
N5RZ	27,566	113,436	142,120	283,122
KG5RXG	1,330	756	0	2,086
K5TR	104,220	109,344	127,437	341,001
W0VX	0	45,441	28,650	74,091
KT5V	0	0	0	0
	146,736	332,255	336,772	815,763

11. FRC Team Efficiency				
W2MKM	58,575	0	0	58,575
N2NC	58,590	40,068	59,296	157,954
N2MM	0	0	86,450	86,450
N2RC	51,129	0	20,216	71,345
AB2E	11,322	1,122	7,740	20,184
K2CJ	13,250	8,550	12,390	34,190
KC2LSD	3,132	2,862	7,020	13,014
N2NT	143,812	1,156	64	145,032
W2AAB	10,088	2,809	10,656	23,553
N2UU	53,382	35,581	28,611	117,574
	403,280	92,148	232,443	727,871

13. FRC Team Mastery				
W8FJ	106,426	0	2,964	109,390
NY3B	0	0	0	0
W3FIZ	10,767	10,800	8,084	29,651
K3TEJ	63,612	59,360	0	122,972
W3BES	9,191	17,250	74,594	101,035
K3SW	23,584	39,825	45,888	109,297
KB3Z	15,625	12,480	9,016	37,121
K2RET	16,520	22,440	0	38,960
	245,725	162,155	140,546	548,426

	Session 1	Session 2	Session 3	Total
6. Potomac Valley Radio Club				
N4ZR	0	56,970	64,470	121,440
W2CDO	45,548	46,367	29,546	121,461
WJ9B	73,321	47,368	62,790	183,479
AD5XI	16,320	12,096	1,596	30,012
N1RM	46,172	49,664	48,755	144,591
N3QE	131,864	128,100	114,134	374,098
N3FZ	0	0	0	0
KG3V	20,150	4,158	22,518	46,826
K0ZR	83,781	81,469	79,500	244,750
K3JT	46,899	37,701	31,200	115,800
	464,055	463,893	454,509	1,382,457

8. Deep Dixie CC Team Delta				
NN5O	56,070	69,689	51,045	176,804
K4OAQ	68,796	52,136	56,808	177,740
K7TD	58,300	41,478	86,900	186,678
AB5OR	0	0	0	0
K4AFE	45,504	26,245	29,045	100,794
AC6ZM	42,846	52,920	32,375	128,141
WT2P	43,945	0	27,984	71,929
KE8G	62,196	47,520	22,922	132,638
K5XU	15,510	22,188	18,688	56,386
N4DW	74,640	52,796	37,100	164,536
	467,807	364,972	362,867	1,195,646

10. K1USN Radio Club				
N1DC	32,860	29,016	33,320	95,196
K1VUT	51,761	49,820	56,592	158,173
WS1L	33,901	42,222	30,590	106,713
N1VH	13,161	13,034	17,589	43,784
K1RV	24,360	23,800	29,920	78,080
K1DJ	30,340	42,966	41,268	114,574
K1TH	4,554	3,074	4,550	12,178
K1EBY	59,985	63,656	80,172	203,813
	250,922	267,588	294,001	812,511

12. Team UK12. Team UK				
GW2CWO	20,736	27,666	43,056	91,458
G3WRJ	1,505	2,530	5,292	9,327
G3XLG	0	8,772	12,928	21,700
G3TXF	48,165	64,390	100,188	212,743
G3LDI	6,800	7,448	12,604	26,852
G4PVM	0	8,181	5,135	13,316
G4DRS	12,546	28,223	40,725	81,494
G4NVR	0	0	0	0
F4VSM	8,200	25,926	59,296	93,422
G3YLA	1,800	2,914	4,864	9,578
	99,752	176,050	284,088	559,890

14. GMCC WyCo				
N0TA	86,132	67,320	73,373	226,825
WC7S	0	0	0	0
K0FX	17,446	8,455	38,948	64,849
K7QA	87,544	54,441	68,769	210,754
K0SN	0	0	0	0
	191,122	130,216	181,090	502,428

(Continued on next page)



(Continued from previous page)

	Session 1	Session 2	Session 3	Total
15. KCG				
K4FN	59,479	56,496	52,520	168,495
KE4KY	3,025	0	3,364	6,389
K4FT	21,840	9,090	0	30,930
KM4FO	11,160	19,964	15,732	46,856
W5MX	88,818	60,401	8,280	157,499
KR4WI	15,048	2,448	0	17,496
W4PF	0	4,154	289	4,443
K4AVX	0	0	0	0
ND4Y	0	0	0	0
KC4WQ	2,025	2,500	1,936	6,461
	201,395	155,053	82,121	438,569

17. DFWCG Remember the Alamo				
K5RT	0	0	0	0
KG5U	0	0	0	0
WP3C	0	0	0	0
K5TU	0	0	0	0
K1DW	0	0	0	0
K5ME	0	15,180	24,167	39,347
K5CI	49,470	0	63,612	113,082
K5GQ	7,872	625	2,703	11,200
K5YZW	0	13,000	0	13,000
K0NM	44,503	17,136	32,930	94,569
	101,845	45,941	123,412	271,198

19. RHR Youth + Elmers				
AA4LS	0	0	0	0
KC1KUG	0	23,760	0	23,760
W0AAE	27,225	31,133	12,840	71,198
K1RX	27,825	0	0	27,825
	55,050	54,893	12,840	122,783

21. CW-ops global Sweden team				
SD1A	868	9,265	1,292	11,425
SM0Y	812	2,438	0	3,250
SE5L	1,702	4,608	702	7,012
OH1SIC	1,080	1,677	4,731	7,488
	4,462	17,988	6,725	29,175

23. LAARK				
KD2KW	6,935	4,615	11,074	22,624
NA5W	121	0	195	316
	7,056	4,615	11,269	22,940

	Session 1	Session 2	Session 3	Total
16. Hudson Valley Contesters and Dxers				
K4RUM	88,044	55,282	83,237	226,563
W2XL	39,104	24,716	14,514	78,334
W2EG	15,351	0	0	15,351
	142,499	79,998	97,751	320,248

18. EU-Cwops Eurockets				
PA3AAV	8,772	23,472	30,200	62,444
EA3HSO	0	2,401	1,225	3,626
Z32U	2,430	10,450	13,566	26,446
SP2R	1,178	4,466	10,043	15,687
HB9BJL	2,688	9,964	0	12,652
SF1Z	0	0	13,668	13,668
DL5DBY	8,217	8,686	18,871	35,774
SM0FPR	1,656	4,440	3,276	9,372
OU2I	858	16,303	21,091	38,252
SQ9S	529	6,052	7,626	14,207
	26,328	86,234	119,566	232,128

20. Team - Have fun from Whisky One				
NN1RR	1,088	0	0	1,088
WA1BXY	0	35,114	9,025	44,139
	1,088	35,114	9,025	45,227

22. Metro Mayhem				
W9ILY	324	17,024	5,621	22,969
N9TK	0	0	0	0
W9OA	0	0	0	0
K9PY	0	0	0	0
	324	17,024	5,621	22,969

24. Deep Dixie CC Team Cotton				
AA5W	0	1,677	0	1,677
K7JOE	0	0	0	0
WB0SND	0	0	0	0
NS8O	0	0	0	0
	0	1,677	0	1,677

Team Analysis:

The top six 2020 teams all finished with a higher score than the 2019 winning team. The first place team this year was the 10 member FRC Team Proficiency. The certainly proved they were "Proficient" by turning in a VERY impressive 3,516,277 point total. The Deep Dixie CC Team Phoenix placed second this year with a score of 3,310,775 points, only 6% behind Team Proficiency. Third place went to another Deep Dixie team - Team Firebird, with a score of 2,049,572. In this time of Social Distancing, what a great way for people to "get together"!

(Continued on next page)



(Continued from previous page)

Trophies and Plaques:

Below is a listing of the 2020 Trophy and Plaque winners. As in the past, should the same individual qualify for more than one award, the awards will be grouped on one Trophy or Plaque.

Trophies: High Score, each session, each ITU Region

Milen Dimov, LZ5R

Combined Scores, ITU Region 1 Winner

1290 QSOs, 913 Multipliers 396898 points

Session 1, ITU Region 1, Winner

414 QSOs 292 Multipliers 120888 points

Session 2, ITU Region 1, Winner

370 QSOs, 281 Multipliers 103970 points

Session 3, ITU Region 1, Winner

506 QSOs, 340 Multipliers 172040 points

Bud Trench, AA3B

Combined Scores, ITU Region 2 Winner

1684 QSOs 1125 Multipliers 631032 points

Session 1, ITU Region 2, Winner

590 QSOs 366 Multipliers 215940 points

Session 2, ITU Region 2 High Power Winner

550 QSOs 366 Multipliers 201300 points

Session 3, ITU Region 2 High Power Winner

544 QSOs 393 Multipliers 213792 points

Gavin Williams, ZL1BBW

Session 1, ITU Region 3 High Power Winner

56 QSOs 56 Multipliers 3136 points

Barry Simpson, VK2BJ

Session 2, ITU Region 3 High Power Winner

26 QSOs 26 Multipliers 676 points

Alan Mason, VK2GR

Session 3, ITU Region 3 High Power Winner

35 QSOs 35 Multipliers 1225 points

(Continued on next page)



(Continued from previous page)

Plaques: High Score, All power levels (HP, LP, QRP), each session, each ITU Region

High Power –

Milen Dimov, LZ5R

Session 1, ITU Region 1, Winner

414 QSOs 292 Multipliers 120888 points

Session 2, ITU Region 1, Winner

370 QSOs, 281 Multipliers 103970 points

Session 3, ITU Region 1, Winner

506 QSOs, 340 Multipliers 172040 points

Bud Trench, AA3B

Session 1, ITU Region 2, Winner

590 QSOs 366 Multipliers 215940 points

Session 2, ITU Region 2 High Power Winner

550 QSOs 366 Multipliers 201300 points

Session 3, ITU Region 2 High Power Winner

544 QSOs 393 Multipliers 213792 points

Gavin Williams, ZL1BBW

Session 1, ITU Region 3, High Power Winner

56 QSOs 56 Multipliers 3136 points

Barry Simpson, VK2BJ

Session 2, ITU Region 3, High Power Winner

26 QSOs 26 Multipliers 676 points

Allan Mason, VK2GR

Session 3, ITU Region 3, High Power Winner

35 QSOs 35 Multipliers 1225 points

Low Power -

Joe Rutjes, DF5EG

Session 1, ITU Region 1, Low Power Winner

100 QSOs 86 Multipliers 8600 points

Hans Ostnell, LB6GG

Session 2, ITU Region 1, Low Power Winner

154 QSOs 129 Multipliers 19866 points

(Continued on next page)



(Continued from previous page)

Robert Helminiak, SP1D

Session 3, ITU Region 1, Low Power Winner

234 QSOs, 176 Multipliers 41184 points

Don Binkley, N4ZZ

Session 1, ITU Region 2, Low Power Winner

416 QSOs 287 Multipliers 119392 points

Session 2, ITU Region 2, Low Power Winner

378 QSOs 295 Multipliers 111510 points

Session 3, ITU Region 2, Low Power Winner

373 QSOs 299 Multipliers 111527 points

Ikkan Sakamoto, JH4FUF

Session 2, ITU Region 3, Low Power Winner

2 QSOs 2 Multipliers 4 points

Session 3, ITU Region 3, Low Power Winner

9 QSOs 9 Multipliers 81 points

QRP -

Vitas Krasnickas, LY5G

Session 1, ITU Region 1, QRP Winner

45 QSOs 36 Multipliers 1620 points

Session 2, ITU Region 1, QRP Winner

68 QSOs 54 Multipliers 3672 points

Session 3, ITU Region 1, QRP Winner

97 QSOs 68 Multipliers 6596 points

Paul Gagnon, N6MA

Session 1, ITU Region 2, QRP Winner

166 QSOs 123 Multipliers 20418 points

Peter Butler, W1UU

Session 2, ITU Region 2, QRP Winner

148 QSOs 120 Multipliers 17760 points

Session 3, ITU Region 2, QRP Winner

155 QSOs 130 Multipliers 20150 points

In summary: Congratulations to the winners of trophies and plaques in the 2020 CW Open.
Thanks to EVERYONE that participated in the contest sessions to make them both fun, exciting

(Continued on next page)



(Continued from previous page)

and record setting. Thank you also to Rob, K6RB, for log processing and checking; and to Lar (K7SV), Bert (F6HKA), Roger (G3LDI) and Barry (VK2BJ) for their assistance in their respective regions to spread the word about the 2020 CW Open. Hopefully the propagation will improve for next year and that will give us the opportunity for another record breaking CW Open in 2021. Until then, I will see you on the bands and in the weekly CWTs.

73,

Bruce, N1LN, CW Open Manager

Giving Back Update

[Rob Brownstein K6RB](#)

CWops' Giving Back (GB) program is meant to provide on-air QSO experience and practice for anyone who wants it. It was initially intended as a way for our CW Academy students to get some on-air experience. We all know that when there is activity on the bands, these days, it's usually a DXpedition pileup or a contest. Today's CW aspirants have had little chance to work others who are skilled at CW, operate at moderate speed, and are committed to helping. That's the mission of Giving Back.

The GB volunteers get on the air at approximately 7 PM local time and seek out CQers, or call CQ, and engage in routine QSOs including some conversational tidbits. Here is the current schedule:

Giving Back Operating Schedule 7 PM Local Time 40 m										
	UTC+3	UTC+2	UTC+1	UTC/ BST	UTC-1	EDT	CDT	MDT	PDT	UTC-10
Mon				GM0EUL		AF8A	K8UDH	NS6W	N6HCN	KH6LC
Tues		SV2BBK	PG4I	GW2CW		WE5P		K7NJ	K6RB	
Wed				G0HKC	DF7TV	N4TMM	K5XU	KU7Y		
Thurs		SV2BBK		G2CWO					WU6X	AH6KO
Fri		SV2BBK				VE3FXX W2LCQ			K6RB	
Sat						VE3FXX	N8LR			
Sun						W8UA			K6RB	

(Continued on next page)



(Continued from previous page)

Those interested in working these folks and practicing should look for them at around 7 PM in each time zone. They will usually send a "CWA" just before signing after a CQ. This identifies them as GB volunteers and lets others know these people are there to help. Here are the results of July's GB efforts:

Stations Worked

AF8A: WI1B, K0ZK

AH6KO: KF7Q, K6EE, W7UDH, KB1FGC, W6BOC, N7MOB/KH6, K2HZO, KE5C, K7SS, W0OJ, W6BRY, WU6X, CO2QU, W5HWU

DF7TV: DK8ND, DL1ROT, EA3BUU, G4SZE, KY9KYO, M5JPG, SV1HDE, YO7NSP

G2CWO: PA8ZB, OH2BFZ, SP1NQU, IW2OGY, DJ1DD, MM7RNF, 4O3RB, DM5WGL

GM0EUL: SA5LOW, UR4MDD, UN7AB, EA5JAB, DK3GP, OM3TBG, IU3KGO, OE8FBF

GW2CWO: UY5BQ, DK1CWM, SM6CWP, DL8RBR, OK1DN, OM3TGK, RW4PAM, R2SW, YU5T, EA1JCE, RC3KA, HB9DAX, JA7MBT, DF9ZV/P, RV6AVU, YO8DOH, IK2ZJR, RA3BY, DL2AWA, DL1NKS, HA7MG, LA0CX, DL2JES, HA5OKE, OM8VL, YU1ZH, IK5DVT, DK3GP, OK1VK, YO5ODT, OM3TGK, YO2KSD, LY2BBF, DJ5IZ, UA1ALY, UR5FA, UA3AHI, ON4CLF, GM4PVM, U57WA, UA1AJ, PA5GU, DL4AN, DL1VJL, OH5YU, DL8NAC, OK1YR, OH2BFZ, ON5JT, UR5EOA, OK1CAS, IW1DNE

K6RB: N8AI, K5TR, K8MP, WA7A, K0AF, K7CHM, WA6MOW, K5CM, W1AO, K0QLM, AC2K, NX6BC

K7NJ: KN4TFR, N4DIQ, KL7IUI/E, W4EDE, WP4IZQ, N5NF, KK4GFR, W5WTH, KY9I, KC8JR, WA4JYX, K9CJM, KB7TBC, KJ7OTZ, KM9YWT, W4DWS, KD6GBY, W3UY, NE4J, KT7IM, N3BEV, N5WA, WA0QZK, KE6JAC, KN4RBN, WA4PKL, AC0IU, K0VW

K8UDH: WA4QWN, KG5IEE, W9JJE

KH6LC: K7ULM, NM6IF, KH6FHI, W7VGZ, NU6F, WB6DJI, K5OGX, KE5C

N4TMM: KA9PQB, NR8M, K2HYD

N6HCN: N5CW, K5DX, KC1KUG, K8NY, WA6OUW

PG4I: IK0DMS SM7R IZ5PQT OK2UKQ I3PZI IK6PRN R1KA EA7EM EA1ASG

SV2BBK: DL6FAX, DH-MAX, RV6FQ, UA3QVC, G4LHI, UY5QR, I8PXT, OM3CAZ, DL1AH, DL8MCG

VE3FFX: AA4TFR, KA5JRX, K1MLP, WB4AQL, AB5X, W0DQ, VE2MFD, KC1BMD

W8OV: N3YWQ, K9ETC, K4NAX, WX9U, K3DY, WA2PCN, W0/E74ZH

WE5P: KP4Q, W1GF, W6GMT, W2CW, K2HZO, N7KM, KF5WJ, N4SNI

Call For Nominations

[Don Greenbaum, N1DG](#)

It's election season again and the nominating committee is getting ready for the big event in November.

In 2020 we shall be electing a President and the Directors from Asia and South America. Mac, NN4K, has decided not to run for another term so that position is open. Nodir, EY8MM, has also decided to pass on running for re-election. We thank both for their time and dedication to making CWops such a great and vibrant club.

(Continued on next page)



(Continued from previous page)

Stew GW0ETF has indicated an interest for the post of President and Ken, JN1THL, has also expressed interest in the Asia directorship.

The slate so far is:

President: Stew, GW0ETF
Directors: Ken, JN1THL
Matt, CE2LR

Per our by-laws, during the Month of October nominations are solicited. The nominating committee hereby solicits anyone interested in the post of President, or the Asia and South America 3 year directorships. Please send an email to me at dongreenbaum@gmail.com by October 31st if you are interested in nominating someone or yourself.

Don, N1DG

Chair nominating committee
CWops member #2

Upgrading A Linear Loaded 40 Meter Shorty Beam

[Tom McGinley, K7QA](#)

Almost every ham desires a good antenna for 40 meters. A full sized fully spaced 40 meter beam is a large scale serious undertaking for most. But a 2 element shorty is more manageable and a huge improvement over a dipole or vertical. Adding one to my skyhook arsenal has been on my wish-list for a long time.

I found and purchased a used HyGain DIS-72/DIR-73 (photo, right) on QTH.com in Kansas last year. After a long journey using 3 different ham buddies to get it to Billings, MT without paying any freight costs, I drove to Billings from Missoula to pick it up from my good friend and fellow broadcast engineer Dick Jones, W7JDX.

After a few months, we got it up on a 40-foot crank-up tower on loan from my local club with a 10 foot mast extension. It worked OK for only a few



(Continued on next page)

(Continued from previous page)

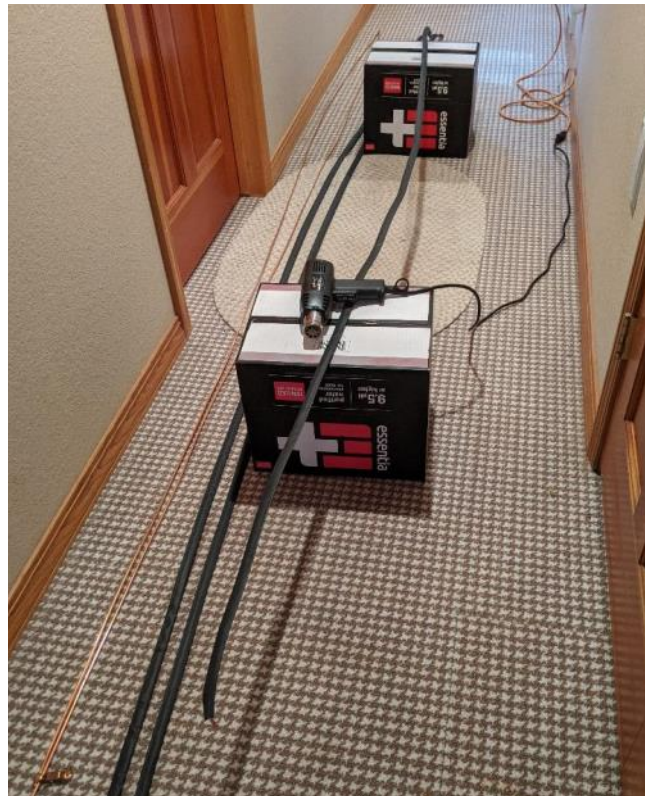
hours during the 2019 SS and then, Murphy jumped in with a 10:1 SWR mismatch. We later pulled it down and cleaned up all the connections on the aluminum linear loading wires and stainless hardware which are prone to oxidizing and becoming intermittent.

Upon reinstallation, it worked OK for another 6 months or so until Murphy paid a return visit. I could only get it to behave normally under higher power levels over 400 watts or so. Anything lower saw the dreaded 10:1 SWR mismatch again. Eventually, even high power encountered the same problem. K7ABV, Eric another avid fellow MT contestator and CWops member, had mentioned to me he had the same exact problem with his DIS-72, being able to only use high power for a year or so until the antenna finally said no more.

I decided to start looking for a better design solution and found the M2 40 meter beam upgrade loading coil kits that include all the necessary modification hardware, priced at \$240 per element. M2 has adapted these coil substitutes for the failure prone linear loading wires for several 40 meter shorty beams. They have field tested their own M2 40M2L/3L as well as the KLM 40M2/M3 and the Hygain 402BA/403, but not the DIS-72 as of yet.

I'm an M2 fan so I contacted them for more information in mid-March, just in time for the Covid-19 lockdowns. Robert told me the plant was essentially closed and there were no coil kits available. He had no idea when they would start back up and make new stock. Waiting for the M2 and investing another \$500 into this antenna was not all that appealing.

Being a do-it-yourself antenna enthusiast, I decided winding my own coils and fabricating the needed extra hardware would be a fun project to rehab my DIS-72. Determining the element lengths and suitable inductors for the coils would be a job for EZNEC, so I enlisted my antenna project and contesting cohort K0SN to



(Continued on next page)

(Continued from previous page)

start modeling a reasonable solution. Tom and I pounded away with many possible solutions and finally decided to use 15 turns of 3/16 inch copper tubing at 3 inches diameter and 5 ½ inches long. M2 uses 3/16 copper-clad aluminum wire to minimize weight which was not easily obtainable.

eBay had almost all the materials needed for the project. I bought 50 feet of 3/16 Cu tubing for \$35 and cut it into four exact 12 ½ feet equal lengths. Winding the coils on a coffee thermos cylinder by hand was fairly easy. I also decided to protect them with black heat shrink using 3:1 polyolefin 1/2 inch tubing which was easy to thread on the straight pieces of 3/16 Cu tubing. Another eBay find getting 50 feet for only \$25 (photos, page 29).

I attached #10 Cu lugs from Home Depot onto the coil ends which fit very tight and then soldered them. The coils are placed directly over the existing HyGain black insulators about half way out



on each half element for both the driven and the reflector. We made sure those insulators were not cracked or defective. I used 10/32 SS hardware to secure them to the existing tubing clamps. M2 provides plastic coil covers and support forms in their kit to provide optimum protection from weather elements but since heavy icing almost never occurs in this area, we decided to go with just the heat shrink tubing.

The completed coils (above) each measured about 7.8 μH with an LCR meter, but we found after actual testing that the EZNEC model wanted about 6.3 μH as an inductive trap load. That value made the antenna resonate at 7030 kHz with optimal gain and F/B figures within the constraints of the short element lengths. We think the coils may act more like compact helices, which could probably be more accurately modeled in EZNEC. We decided to just get it in the air and fine tune

(Continued on next page)

(Continued from previous page)

as needed.

We finished the tuning using a total driven element half-length of 273 inches and 287 inches for the reflector half element. The existing DIS-72 elements do not extend that far, so I added 24-inch long 5/8 inch OD extenders with 7/8 by 5 inch outside sleeves to lengthen the existing 5/8 inch tubing sections. DX Engineering supplied those @ \$9.

EZNEC predicted maximum forward gain of 9.5 dBi and F/B of 17 dB at 7030 kHz with the 22 ½ foot boom at a height of 50 feet above average ground. Getting a good 1.1:1 match to the 50 ohm current balun and LMR-400 line required moving the hairpin shorting bar in to about 38 inches.

The other upgrade (photo, below) in this modification includes the addition of support trusses for each element. The Cu tubing coils and longer elements are a bit heavier than the original DIS-72 linear loaded design that did not use trusses. The M2 kit specified truss supports which seemed highly advisable considering the extra weight and stress on the existing HyGain boom to element clamps.

We used 2-foot sections of one inch by 1/8 aluminum angle mounted on 3 x2 inch aluminum flat



(Continued on next page)

(Continued from previous page)

plates along with aluminum window shade corner support blocks all secured by SS 10/32 hardware. These are bolted on top of each boom to element clamp. 1/8 inch Mastrand-M rope from DX Engineering was used for the truss supports, connected at the top of each aluminum angle bar with 1/4 inch aluminum turnbuckles back to each half element about 3 feet beyond the coil. One inch SS pipe clamps and single metal loops with a smooth surface are attached and provide a suitable end connection for the rope. They are easily adjusted to achieve proper tensioning for the elements. All this additional hardware totaled about \$50.

While M2 originally inspired this project, I also gleaned valuable info from ON4UN's *Low Band DXing*, fifth edition. John discusses the improvements and advantages gained using hand wound high-Q coils instead of linear loading wires on an 80 meter beam. Many hams have assumed coil loading on beams is an efficiency killer and that linear loading was preferred to reduce losses. John argues that the use of low loss very high Q coils actually outperforms linear loading and is more durable. He also advises the use of heat shrink tubing on the coils for proper protection.

M2 claims only a 0.3 dB loss in the coils. We modeled this beam using full length elements without loading at the same spacing in EZNEC and computed only 0.5 dB more forward gain and a few dB LESS F/B but with a flatter SWR curve. Clearly the trade-off in size versus performance is worth the use of coil loading.

This modified 2 element 40 meter shorty appears to be much more stable and works better than the original design for me in all respects. SWR

is lower and broader and forward gain and F/B play higher. We've witnessed the antenna tolerate 50-60 mph wind gusts without problems but do not yet know how well the coils will perform and hold up over time, especially under winter conditions. Nonetheless, if you have a linear loaded beam and even if it is still working, I highly recommend you consider this modification.

I am indebted to the expertise of CWops members Tom, K0SN for his invaluable assistance as well Dick, W7XT getting the tower up and down to enable the relatively easy modifications and testing. My DIS-72 also included the 3rd element DIR-73K option kit to make it a 3 element shorty on a 35-1/2 foot boom. I have yet to muster the courage to add my coil mod and director element mostly because I will need to install a heavier tower to make that happen. I do have a HG-52SS in storage. Maybe some day



Tom, K0SN and Dick W7XT provided valuable assistance.

The Mississippi QSO Party

[Mal Keown, W5XX](#)

Unlike major contests, State QSO Parties come and go depending on sponsors and interest. There was a Mississippi QSO Party in the 60's which I participated in regularly from Tennessee as K4RIN, but the QSO Party eventually disappeared. In order to put Mississippi back on the map (as well as Arkansas and Louisiana), I organized the ARRL Delta Division QSO Party in the 70's with the help of Delta Division Director W4WHN. This worked well for several years, but as I developed many other obligations, I saw the need to give the QSO Party Chairmanship to someone else.



Mal, W5XX

Time passes. I was wandering around in the Flea Market at Dayton in 2002 when K5MAT from New Mexico approached me. After swapping some war stories, Bill said one of his major interests was collecting wallpaper from State QSO Parties. At this point he only needed two states to complete his wallpaper collection... you guessed it – Mississippi and Oklahoma. He suggested I organize a four-hour QSO Party so he could get a certificate. After some head scratching, I agreed. Thus, the first resurrected Mississippi QSO Party (MSQP) was held in February 2003 on a weekend when there was minimum competition from other QSO parties/contests.

The results were somewhat discouraging. There was plenty of interest from outside of the State from county hunters and wallpaper collectors, but many people, who promised to be on the air in Mississippi, never made it. Only 37 logs were received. Obviously, some spade work needed to be done if the Mississippi QSO Party was to continue.

In looking at the situation a few things were obvious. Mississippi was not exactly a contest-oriented State. Further, no one in the State extensively operated mobile or portable other than myself. On the other hand, Mississippi has many counties that have no active Hams which makes it very interesting from outside the State.

After discussing this problem area with other long time QSO Party Chairmen at Dayton, I contacted out of state mobile operators NO5W, K4ZGB, W3DYA, and W4SIG, who all agreed to conduct a mobile operation during the upcoming 2004 MSQP. Further, I contacted N5FG, who was President of the Magnolia DX Association, and he agreed to strong arm the membership to support the QSO Party. This worked reasonably well. There were enough stations on from Mississippi to

(Continued on next page)

(Continued from previous page)

have a creditable QSO Party. One station from New York made 175 QSOs while chasing the mobiles, and 80 of the 82 Mississippi Counties were on the air.

Time passes. In-state interest in the MSQP seemed to wane. In another development, I was “drafted” to be the [ARRL Section Manager](#) to complete another ham’s two-year term (I’m still at it). As a result, my circle of acquaintances grew rapidly, and I found out there were many potential testers, who were hidden in their shacks.

I cornered many of them during Hamfests and picnics, and “extracted” a face to face commitment to support the next MSQP. This has worked well over past years. Then 2020 came to town with Covid-19. The Governor issued a “Shelter in Place Declaration” meaning for the MSQP, no mobiles or portables. This was a MSQP participation disaster in the making.

What to do? There is a direct correlation between members of DX associations and contest clubs and those willing to conduct a BIC contest operation. Using the rolls of the DX associations in the State and everyone listed in contest results for the past few years, I made a list of hard-core/medium-core potential testers in the State. I started telephoning two weeks before the 2020 MSQP weekend in April. This developed into a lot of interesting conversations mostly about positive and negative views on contests, DX exploits, and a few fears of being on the business end of a contest pile up. I noted that we didn’t want Mississippi to look bad during the 2020 MSQP. I found many appreciated the call and were pleased that someone took an interest in them.

After some 25 phone calls, endless publicity on the Mississippi Section Phone Net and the Magnolia Section Phone Net, and several bulletins on the Section Manager’s Remailer, the big day finally arrived. Activity was great. The activity was probably in part attributable to the fact that most people were in a “Shelter in Place” mode, [the State QSO Party Challenge](#) was in progress, and three other QSO Parties were being conducted during the same weekend all of which attracted a lot of outside the state participation. As a result, over a hundred Mississippi Stations were on the air, 27 of whom made major BIC efforts. Many first time Mississippi participants found out to their delight that they could run and hold a frequency, and their pre-contest fears were for naught. As a result, we may have some new budding testers, and a few of these people showed up during the next weekends in the Georgia and Florida QSO Parties.

Despite the catastrophic impact of Covid-19 there is at least one positive spin-off. The Mississippi QSO Party looks like solid in-state participation will be with us for a few more years.

So, what to do if you are in a state that is not contest oriented and has a lack of contest operators? Phone calls work, but if you call somebody out of the blue and want them to get on the air the next weekend to put Podunk County on the air, they may quickly turn you off. In that year before the QSO Party you can’t hide in your shack waiting for the next contest. You must get out among the troops at Hamfests and picnics, check into section phone and CW nets, and go to club meetings to pound the flesh. This will pay off when you start calling people a week before your QSO Party because they know you.

Between campaigning for QSO party participation, professionally handling the log checking, and providing the results and certificates, sponsoring a successful year-round QSO party requires a year-round effort.

The G4UZN QSL Card Collection

[Jim Talens, N3JT](#)

I recently reconnected with Tony, G4UZN, a former CWops member, and learned of his incredible efforts at collecting and preserving historic QSL cards. As he puts it, "They are history. They are the history of radio operating. And often with a bit of politics thrown in, and geography." I will let him tell the story.

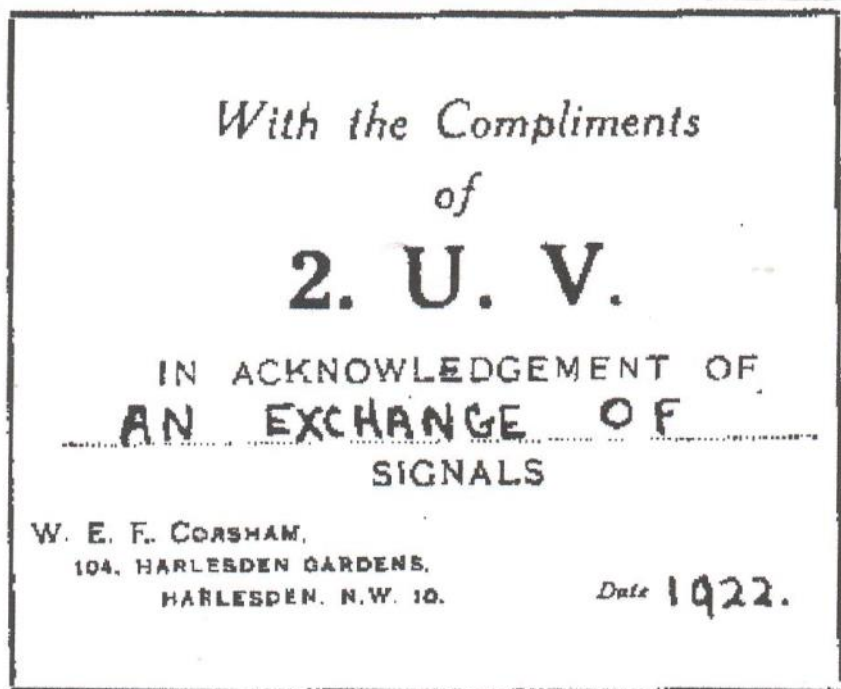
I started collecting "other people's" cards about twenty years ago, when I passed a stamp dealer's shop in London and saw a few cards in the window for sale for a very nominal price. There were about a dozen of them, all British ones, from the 1920's. I'd never seen early cards before, and it started my interest in the history of operating; not equipment or anything technical, but how the hobby had developed – who the ops were, where they were, what they were doing there, the history of operating from different places).

Over the years, intermittently, I have built up a very big collection, initially through old-timers I met at radio dinners, etc., and ops I knew from over the air, and later through my occasional advert in *Radcom* (no great mass of replies from that one).

The cards all get thrown away. Nobody wants them. I mostly rescue them from the tip.

Most of you will have heard of Danny Weil, Don Miller, Gus Browning, the Colvins. And of W6AM. There have been some good books written about them, still available from the ARRL. Those names are the key-words for operating and DXing. But of course that is the tip of the iceberg.

There are very few collectors of old QSL cards around, although some of these, or their national societies, have put up some very good web sites. The cards are fascinating, and the people, and the events. If you are as old as me you will remember the post-WW2 operations from the American (and other) Forces in Europe and the Pacific. And the co-existent British and French Colonies (remember when Ghana was called the Gold Coast ?)



Bill Corsham G2UV is credited with introducing the first QSL card in Europe, in 1922

(Continued on next page)

(Continued from previous page)

Now, you do need interaction with other people to enjoy a hobby.

I have a big website – [G4UZN QSL Collection](#) – which attracts a fair number of hits.

I have a long-standing connection with Wolf Harranth, the curator of the Dokufunk, the Vienna archive and QSL collection, and have helped with many of their projects. I recently did a very large research exercise on TI9 Cocos Island, It has just gone live, and there is a lot of it!!

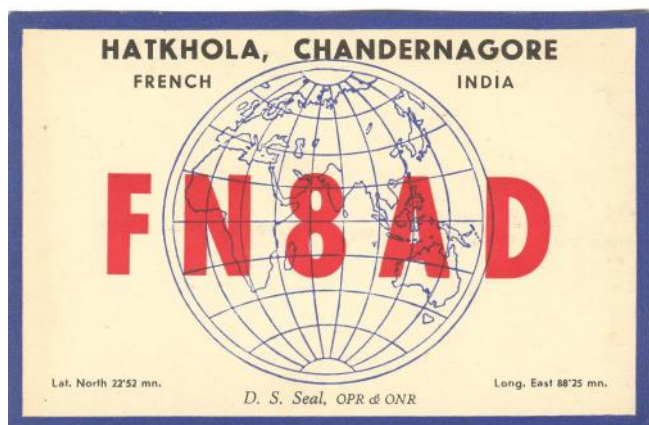
I help Alan 5B4AHJ with scans for Clublog whenever I can assist.

I send scans to Tom K8CX for Ham Gallery, the big American site, and F6AJA of the REF site.

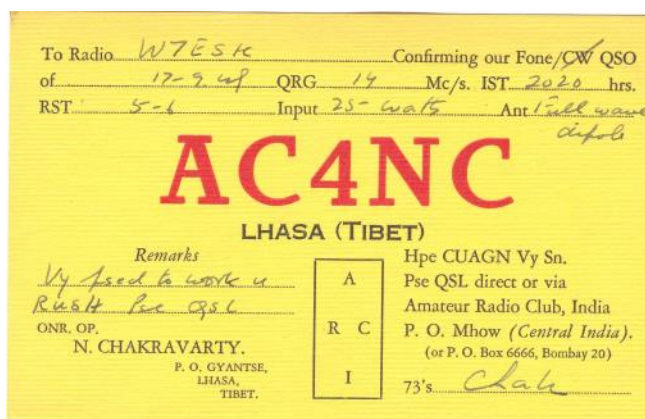
And I run a group on [Groups.io – QSL Card Collectors group](#). It has about 60 members including all the big guns of interest mentioned above.

I'm lucky, despite downsizing, to have the space to store the cards (pre-war and post-war about 15,000 or so). I do not keep common European, U.S.A. or Japan. No space and few have any interest.

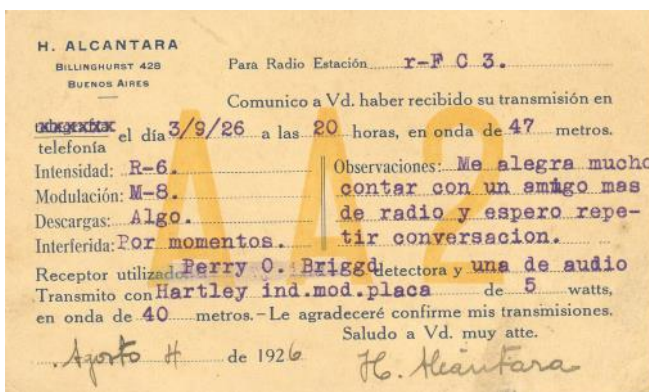
I am not planning a book or anything like that. I doubt if it would sell !!



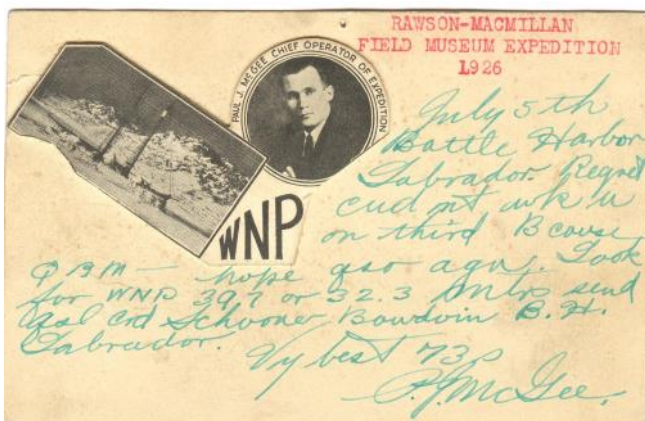
FN8AD French India 1950



AC4NC Lhasa Tibet 1949



AA 2 1926, Buenos Aires



WNP Rawson-MacMillan Field Museum Expedition 1926

(Continued on next page)

(Continued from previous page)

American Radio Relay League Station 1AW
Hiram Percy Maxim, Owner 276 No. Whitney Street, Hartford, Conn.
Radio 1-24
Your _____ signals were worked here on _____ at about _____
AM. E.S.T.
P.M.
on Tuska three-circuit tuner and two stages audio amplification, Baldwin phones.
Audibility _____
Remarks: The QST has been very good and I am getting more and more interested in it.
Would like report on 1AW's signals if you hear them. Best 73's.
Hiram Percy Maxim Operator

Wave-length _____
QRM _____
QRN _____
QSS _____
Weather _____
Tone _____
Wave _____

1AW

1AW Hiram Percy Maxim 1925

9CA
RADIO STATION 9ZN, 5525 SHERIDAN ROAD.
Chicago, Ill., _____ 19____
Your signals heard here. _____ Audibility _____
Characteristics _____ Note _____ Wave _____
Other information _____
Equipment at 9ZN comprises:—
Transmitting—2 K.W., 500 cycle Telefunken panel quenched set.
2 K.W., 60 cycle, non-synchronous set.
2 K.W., CW and radiophone set.
Receiving—C. R. L. Paragon-Amplifon (2-step) combination.
Aerial—10-wire vertical fan, 90 ft. high, 150 ft. long.
Wave lengths—200, 250, 375 meters.
Hours of operation—10 P. M.—2 A. M., nightly.
9ZN is the Central Division Distributing Station of the A. R. R. L. and will be very glad to handle any traffic you may have at any time. Please QSL.
QRK ?
Operator, 9ZN.

9ZN card is R.H. Matthews, joint founder of Zenith.

NRRL NRRL
U.S.S. SEATTLE
AUSTRALIAN-NEW ZEALAND CRUISE OF UNITED STATES FLEET
Radio 9DGT heard _____ worked _____
We were Hawaii
Send a weekly report of your reception of NRRL or communication with NRRL to the U. S. Naval Research Laboratory, Bellevue, D. C., and to the American Radio Relay League, 1711 Park St., Hartford, Conn.
DO NOT QSL BY RADIO.
F. H. Schnell
Lieut. U.S.N.R.F., Traffic Mgr. A.R.R.L.

F. H. SCHNELL 1MO 1925 Aboard U.S.S. Seattle at Hawaii

ELLSWORTH · ANTARCTIC · EXPEDITION
1938-1939
OM W 9QMD RST 549X QRM 0440 GMT
POSITION WRKD FROM 1600 SE Ocean Nov 8 1938
LDU C
NORWEGIAN M.V. WYATT-EARP
FRED C. SEID
New York, U.S.A.
Commercial Opr of Expedition
J. H. (RED) LYMBURNER
Montreal, Canada
Chief Aviation Dept of Expedition

Ellsworth Antarctic Expedition 1938

CW Academy

[Kate Hutton K6HTN](#) [Joe Fischer AA8TA](#) [Bob Carter WR7Q](#)

Why do hundreds of students every year take a CW Academy class? Hopefully, it is to gain skills to make CW contacts on the air. Sometimes, getting a student to actually do that is harder than whatever assignments they had in their classes.

The Federal Communication Commission (FCC) in the United States used to offer a Novice license, and many other countries had something similar. This was relatively easy to obtain but

(Continued on next page)



(Continued from previous page)

had many restrictions including being CW-only (but with some exceptions). This was many people's entry to amateur radio (in the U.S.) and they could be found in the "Novice" subband (around 7100 kHz) working other Novices, sending slowly and making a lot of mistakes. But it was OK since they all were just starting out and learning. Altruistic experienced operators would tune into that area and work the newcomers and help them build their skills. Eventually, the new hams would upgrade their licenses and feel confident enough to head into the lower frequencies to join contests, traffic handling, general conversations or whatever was there.

Many of the people who started out that way are members of our club and are advising in the CW Academy. Those concepts they experienced are long gone and many lament that there is no place for new CW operators to gather and feel "safe" with their just-starting skills. Much discussion about that has occurred and several experienced people felt motivated to actually do something about it. A few considerable efforts have been made to create hang-out areas where new CW operators can gather.

Rob, K6RB, created the Giving Back program which is discussed in every newsletter. This is not a contest and has no particular structure. Experienced CW ops call CQ and will work with anybody who answers. New operators who are learning are expected and no judgements about their abilities are made. A great way to break the ice and get some confidence that CW operating is not so hard.

A new effort is one offered by the K1USN club that is a simple contest-style exchange on Sunday evenings (North America time). The speeds are supposed to be kept to a maximum of 20 WPM and many experienced operators call at lower speeds than that. The exchange is simply enough, and fixed, so that a new CW operator should get the hang of it quickly.

Some other efforts have been made to coincide with the late Wednesday CWT session (0300, Thursday, UTC) where ops gather in the old "Novice" subband (7100 kHz) and limit their speeds. As with the K1USN event, this is designed with a simple exchange and the operators will match the speed of whoever calls. There are some other events that happen on other days and are promoted by an active Facebook group.

All of this shows that the mentoring spirit is alive and well and we have many advisors who are not formal CW Academy advisors. Anybody who hears a slower operator and slows down and helps them through a contact is doing a great service. Those of us who are advisors often hear an excited student tell the whole class about a few contacts they made in the previous few days. This goes a long way to motivate our students that what they are learning is fun and can actually be used.

73,

Kate K6HTN, Joe AA8TA, Bob WR7Q
CW Academy Managers



CWops Tests

[Rich Ferch, VE3KI](#)

It's time for a reminder about the special slow-speed CWT sessions on November 11-12. This is the last set of under-20 wpm CWTs this year, to welcome the graduates from the latest round of CW Academy classes. Some of these folks may have been getting a taste of CWT action at the beginning of the 0300Z sessions using slower CW on frequencies just above 7100 kHz. Others have probably been getting the contesting bug from [the K1USN slow-speed tests](#) on Sunday evenings (0000-0100Z Mondays UTC. That should be a good source of new call signs for us to work in the CWTs.

As I am writing this, there has been some discussion on the CWops user group from people wanting to increase their QSO counts, hoping to reach various round-number thresholds such as 100 QSOs during a session. While not everyone is looking to the numbers as their primary objective, a numerical target (QSO count) is easy to measure and compare against over time.

The relevance to each operator of any particular numerical target depends on many factors, including, among others, location (proximity to a large pool of stations to work), station equipment (transmitter power and especially antennas – in a nutshell, how loud your signal is), propagation, operating strategy, and skill in executing that strategy. A QSO total that would be considered a flop by one person might seem beyond the reach of another. In my own case, a round number of 100 QSOs in a CWT falls squarely in the middle of my usual range.

If there is one strategy choice that for the most part separates my scores above 100 from those below, it is how much running (calling CQ) I do during the session. Once I find a frequency to CQ on, personally I hope for enough callers to keep my average QSO rate above 2 QSOs/minute. That is not very often a steady 2 QSOs every minute. More often it is something like 4 QSOs one minute, then no-one at all during the next minute. Anyway, if my average rate drops much below this, it's time to move on.

On the other hand, if I am not able to find and establish a run frequency and am forced to (or choose to) search & pounce instead of running, a total of 100 S&P QSOs in a CWT seems to be almost beyond my reach, even with the help of the automation features my logging program (N1MM+) offers.

Running demands more efficiency on the part of the operator than S&P. Computerization can play a big role here. Perhaps the biggest time-saver is having the computer send CW messages. Besides reducing the mental effort of sending a message using a bug or paddle to just a single keystroke per message, using computer-sent CW also speeds things up by avoiding errors and repeats. Machine-sent code may not have personality, but it's easier to copy and gets the job done more quickly. If QSO rate is what you are after, let the computer do the chore of sending your ritual exchanges.

Whether a strategy of running works out or not depends on other factors, of course. In particular, you need to be loud enough to attract callers and defend a frequency against intrusion by louder stations. Station improvements that make your signal louder pay off.

Other station automation helps too. Anything that makes the operator's job easier contributes to

(Continued on next page)



(Continued from previous page)

efficiency, and in the long run to scores. I don't imagine those guys at the top of the scoreboard are making all those QSOs using straight keys, pencil and paper while operating on two bands at once – if they were, that would make their achievements even more amazing. Who's having more fun, the guy who is re-creating the thrill he felt starting out, or the guy who's feeling the rush of making four QSOs a minute for 60 minutes on end? Whatever floats your boat!

We do the CWTs because they're fun; let's all make sure they continue to be fun for everyone.

73,

Rich, VE3KI

New Members

[Trung Nguyen W6TN](#)

With great pleasure we welcome the following new members to CWops:

CWops	Call	Name
2688	W1GF*	Greg
2689	GM4WZG/GM4X	Bern
2690	NK4O*	AJ
2691	VA7DX	Neil
2692	WA6SVX*	Michael

CWops	Call	Name
2693	K9UCX*	Ken
2694	OZ1AAR	Villy
2695	K3ZA*	Tony
2696	VE7IO	Fred
2697	DJ4MX*	Sven

CWops	Call	Name
2698	US0YW/UR2Y	Val
2699	CT1ILT/CR6K*	Fil
2700	G4SMB	Michael
2701	K5UV*	Mike
2702	VE7JH*	Gabor

*Life Member

Current Nominees

As of October 8, 2020

Need Sponsors: W0CD, W0ECS, K8HU, W2DWL

Invitations Extended: YT5FD

For more details about nominees and up-to-date status, check the "Membership" then "Members only" page on the website: <http://www.cwops.org>. For information about joining CWops, check the "Membership" page on the website: <http://www.cwops.org>

Notes: If you have updated your personal info, e.g., new QTH, new callsign, or additional callsign, please send it to membership@cwops.org so I can add it to the roster. Vice versa, if your callsign becomes inactive I can remove it, too. Then the roster will be accurate and current for our usage.

73,

Trung W6TN, Membership Manager



CWops Member Awards

[Bill Gilliland W0TG](#)

The Annual Competition Award (ACA) is based on the number of members worked each calendar year. You get one point per member worked, once per year. It resets to zero at the beginning of each year. The Cumulative Member Award (CMA) is based on how many members you've worked since January 3, 2010 on each band and continues to grow in perpetuity. [Use the new online tool to submit your data](#). It's easy! (Watch the tutorial if you have not used the online tool before.)

This table is a composite of scores from the old system and the new. Anyone who submitted logs via the new web page will see those submitted scores here. Those who have not adopted the new process will see scores they reported via the old system. Anyone who see errors in their scores should report them to cwopscam@w0tg.com.

Members whose call signs are in **RED** have achieved a milestone: 100 DX entities, 40 WAE entities, 50 states (WAS).

Call	ACA	CMA	Call	DX	Call	WAS	Call	WAE	Call	WAZ
AA3B	1560	9968	W1RM	208	WT9U	50	W1RM	59	UR5MM	39
K3WW	1422	7567	F6HKA	191	WT2P	50	UR5MM	58	W1RM	38
N5RZ	1342	4600	DL6KVA	162	WA9LEY	50	DL6KVA	58	OK1RR	38
K3WJV	1286	5300	W4VQ	155	WA4JUK	50	OH2BN	55	OH2BN	38
NA8V	1255	5752	UR5MM	152	W9ILY	50	F6HKA	54	N8BJQ	38
W1RM	1248	6850	G4BUE	149	W7GF	50	VE3KI	50	F6HKA	38
F6HKA	1172	6138	OH2BN	148	W6KY	50	OK1RR	49	AA3B	38
N8BJQ	1170	6490	OK1RR	141	W4VQ	50	DJ1YFK	49	9A1AA	38
WT9U	1136	4035	VE3KI	134	W1UU	50	9A1AA	49	W4VQ	37
K4WW	1106	3083	N8BJQ	126	W1RM	50	G4BUE	47	VE3KI	37
K7QA	1094	3254	K3WW	125	W0EJ	50	AA3B	47	G4BUE	37
VE3KI	1083	5894	AA3B	125	VK7CW	50	N8BJQ	46	W0VX	36
I2WIJ	1054	2260	K1ESE	120	VE3KI	50	K3WW	46	N5PHT	36
K1VUT	1051	3344	9A1AA	119	NU7Y	50	G4HZV	46	K3WW	36
N7US	1038	3987	W0VX	118	NA8V	50	PG4I	45	DL6KVA	36
W4PM	1038	2122	AC4CA	118	NA6O	50	K3WJV	45	AC4CA	36
K3JT	1026	3588	N5IR	116	N8BJQ	50	W4VQ	44	N5RR	35
KG9X	1026	3500	N5PHT	113	N7US	50	SM0HEV	44	ON4CAS	34
AC6ZM	996	1844	W9ILY	111	N5RZ	50	NA8V	44	N1EN	34
N4ZR	939	3122	EA8OM	111	N5RR	50	IK0YVV	44	IK0YVV	34
K1ESE	924	4407	K1SM	110	N5PHT	50	W9ILY	43	4X6GP	34
K8JQ	922	3829	N1EN	109	N5IR	50	K1ESE	43	W9ILY	33
K6NR	920	2151	4X6GP	106	N4ZR	50	I5EFO	43	VK7CW	33
DL6KVA	918	4193	VK7CW	105	N2UU	50	4X6GP	43	NA8V	33
K9WX	911	3307	N5RR	105	N2RC	50	N5RR	42	N5IR	33
AC3BU	904	2062	N2UU	104	N1EN	50	N2UU	42	K1ESE	33
N1DC	898	3427	K3WJV	104	N1DC	50	M0RYB	42	K0VBU	33

(Continued on next page)



(Continued from previous page)

Call	ACA	CMA	Call	DX	Call	WAS	Call	WAE	Call	WAZ
W4WF	898	2355	W1UU	103	KY7M	50	EA8OM	42	I5EFO	33
NA4J	897	2035	NA8V	103	KU7Y	50	DL5DBY	42	K1SM	32
K1DW	896	3987	I5EFO	103	KE4S	50	AC4CA	42	I5IYJ	32
KE8G	882	2648	N7US	101	K9WX	50	N5IR	41	WA9LEY	31
WA4JUK	876	2557	IK0YVV	101	K8JQ	50	K1SM	41	RM2D	31
K8AJS	869	3331	AE1T	101	K8AJS	50	HB9ARF	41	N7US	31
K1DJ	868	3082	ON4CAS	99	K7QA	50	G3LDI	41	N5RZ	31
KO8SCA	859	1556	EA1WX	99	K6NR	50	SM7IUN	40	N2UU	31
WN7S	842	2281	K0VBU	98	K5IX	50	RM2D	40	W1UU	30
W0VX	833	4522	K8AJS	96	K5CM	50	K8AJS	40	OK1RP	30
N5PHT	829	4236	WA9LEY	95	K5AX	50	W0VX	39	NA6O	30
9A1AA	823	3260	WT9U	93	K4WW	50	N4ZR	39	N7RD	30
W9ILY	822	4457	N5RZ	92	K4GM	50	N1EN	39	N2RC	30
KV8Q	810	1764	N4ZR	90	K3WW	50	LA8OM	39	KR3E	30
KT5V	807	2384	K1DJ	90	K3WJV	50	K1DJ	39	K8AJS	30
N2UU	804	4378	K1DW	88	K3SEN	50	IT9MUO	39	K3WJV	30
K2TW	789	2308	N2RC	87	K3JT	50	I2WIJ	39	N4ZR	29
WT2P	786	3467	F6JOE	87	K2QB	50	G4NVR	39	K3JT	29
K4TZ	754	1773	KY7M	86	K1ESE	50	AE1T	39	IT9VDQ	29
WS1L	752	1343	KR3E	86	K1EBY	50	MI0WWB	38	WT9U	28
W6LAX	742	1248	DJ1YFK	86	K1DW	50	M0DHP	38	N5AW	28
CO8NMN	735	1959	RM2D	85	K1DJ	50	LB6GG	38	KT5V	28
NJ3K	729	1292	N7RD	85	K0VBU	50	K3JT	38	K1DW	28
N4FP	728	1351	K3JT	85	K0MP	50	IT9VDQ	38	DJ1YFK	28
NR3Z	721	1226	I5IYJ	83	IK0YVV	50	DK1WI	38	K4GM	27
W3WHK	700	2148	AD1C	83	I5EFO	50	DF7TV	38	WT2P	26
VE3TM	698	1134	K4HQB	81	G4BUE	50	SM5IMO	37	N1ZX	26
K0TC	672	2111	PG4I	80	F6JOE	50	PA3BFH	37	KU7Y	26
VE3MV	671	2194	NA6O	80	F6HKA	50	OZ3SM	37	K7QA	26
W1UU	663	3227	K9WX	80	F5MNK	50	KR3E	37	K5ZD	26
WA9LEY	644	2990	N1DC	79	EA8OM	50	K3MD	37	K5CM	26
KK0ECT	640	1275	K5AX	79	AE1T	50	K1DW	37	K4HQB	26
DF7TV	636	913	DL8PG	79	AD1C	50	G4ILW	37	K2QB	26
N5IR	613	3780	SM0HEV	77	AC4CA	50	F6JOE	37	K1DJ	26
K3SEN	603	2052	N1ZX	77	AB7MP	50	W1UU	36	I2WIJ	26
K4GM	600	2867	K4GM	77	AA8TA	50	SQ9S	36	WA4JUK	25
W2NRA	599	1950	IT9VDQ	77	AA3B	50	G4DRS	36	V31MA	25
IT9MUO	597	1924	WA4JUK	76	WN7S	49	EA1WX	36	LA8OM	25
K0VBU	595	4266	G3LDI	76	WB5BKL	49	WA4JUK	35	KE8G	25
K0MP	594	1709	WT2P	75	WA5LXS	49	PA3HEN	35	K9WX	25

(Continued on next page)



(Continued from previous page)

Call	ACA	CMA	Call	DX	Call	WAS	Call	WAE	Call	WAZ
KB4DE	588	1127	G4HZV	75	WA3GM	49	ON4VT	35	IT9MUO	25
LB6GG	582	1197	LA8OM	74	W4WF	49	ON4CAS	35	HB9ARF	25
WA2USA	579	1129	KE4S	74	W4PM	49	N7US	35	DK1WI	25
WA5LXS	572	1366	HB9ARF	74	W4ER	49	N5RZ	35	SM0HEV	24
KB8GAE	571	1314	K2QB	73	W3WHK	49	N1DC	35	K4WW	24
AG4EA	567	1002	IT9MUO	73	W2NRA	49	K5ZD	35	DL4FDM	24
W8OV	566	1517	K7QA	72	W0VX	49	K0VBU	35	PG4I	23
KT4XN	566	1363	I2WIJ	72	VE3MV	49	IN3FHE	35	NA4J	23
KE4S	558	2276	KE8G	71	VA7ST	49	WT9U	34	N1DC	23
OZ3SM	557	1115	K5ZD	71	NN4K	49	SV2BBK	34	K8JQ	23
W0TG	556	1591	DL5DBY	71	NA4J	49	N5AW	34	K6NR	23
W8DN	554	1310	DK1WI	71	N7RD	49	K4HQB	34	G4HZV	23
K5ZD	550	2306	N5AW	70	N5AW	49	K1VUT	34	DF7TV	23
AA8TA	534	1869	K4WW	70	N2WK	49	IK0NOJ	34	WE5P	22
W2VM	528	1573	W2NRA	69	N1ZX	49	G3WZD	34	N2WK	22
NN4K	522	2198	SM7IUN	69	KV8Q	49	EA5IUY	34	KO8SCA	22
SM0HEV	521	1110	N7WY	68	KT5V	49	EA3FZT	34	KG9X	22
K6KM	520	896	F5MNK	68	KM4FO	49	DL4FDM	34	KE4S	22
KF8O	519	1001	OZ3SM	67	KK0ECT	49	W4PM	33	K1EBY	22
KC8J	515	1038	N2WK	66	KG9X	49	W2NRA	33	G3LDI	22
W1EQ	514	897	VE3MV	65	KE8G	49	K7QA	33	W7GF	21
W2CDO	501	706	V31MA	65	KE4RG	49	F5IYJ	33	W4PM	21
N7RD	500	1437	OK1RP	65	K6RB	49	DL4KG	33	SM7IUN	21
M0RYB	494	1085	M0RYB	65	K6DGW	49	SP1D	32	OZ3SM	21
W4VQ	487	3075	KT5V	65	K4TZ	49	N2WK	32	K6DGW	21
N3FZ	486	1143	KG9X	65	K4HR	49	N2RC	32	K3SEN	21
K2YR	461	702	K1EBY	65	K4AFE	49	KY7M	32	G4DRS	21
K4AFE	456	1903	G4NVR	65	K3MD	49	K4GM	32	W2NRA	20
KC4WQ	454	694	W3WHK	64	K2TW	49	I5IYJ	32	W0TG	20
W8FN	450	2055	SM5IMO	64	K1VUT	49	F5MNK	32	VA7ST	20
HB9ARF	447	1736	K3DMG	63	K0TC	49	EA4OR	32	NN4K	20
SQ9S	445	847	VA7ST	62	DL6KVA	49	DK3WW	32	JF2IWL	20
K5QR	445	674	K1VUT	62	AC6ZM	49	CO8NMN	32	IN3FHE	20
K1EBY	443	2370	NA4J	61	AC3BU	49	VK7CW	31	F5IYJ	20
W2XYZ	442	629	K8JQ	61	9A1AA	49	VE3MV	31	CO8NMN	20
AA8R	438	965	K5CM	61	W8OV	48	V31MA	31	AC3BU	20
W1AJT	438	562	K3SEN	61	W8FN	48	OK1RP	31	AA8R	20
OK1RR	437	2806	G4DRS	61	W8DN	48	N1ZX	31	W4ER	19
G4BUE	424	3816	F5IYJ	61	W6LAX	48	KO8SCA	31	W3WHK	19
NG1R	413	828	DF7TV	61	W2VM	48	KE4S	31	VE3MV	19

(Continued on next page)



(Continued from previous page)

Call	ACA	CMA	Call	DX	Call	WAS	Call	WAE	Call	WAZ
G3LDI	409	1681	CO8NMN	61	W0TG	48	K5AX	31	SQ9S	19
SP1D	404	693	W4PM	60	VE3TM	48	K4WW	31	M0RYB	19
N4CWZ	403	611	SQ9S	60	UR5MM	48	DL8PG	31	KB8GAE	19
KM4FO	401	1440	DL4FDM	60	OK1RR	48	DD7CW	31	K4HR	19
DJ1YFK	397	1887	ON4VT	59	NJ3K	48	WA9LEY	30	K0TC	19
G4NVR	388	1265	KO8SCA	59	N7WY	48	W3WHK	30	G4NVR	19
KJ4M	386	1176	LB6GG	58	KT4XN	48	NA6O	30	WN7S	18
K4EES	377	678	M0DHP	57	KR3E	48	KG9X	30	WB5BKL	18
RM2D	375	1332	K4QS	57	KO8SCA	48	KE8G	30	WA3GM	18
G4HZV	368	1269	W6KY	56	KE6K	48	K1EBY	30	W8FN	18
N1RM	367	490	NN4K	56	KC8J	48	DL5JQ	30	SP1D	18
NU7Y	356	1450	K6RB	56	KB8GAE	48	PF5X	29	ON4VT	18
SM7IUN	356	828	IN3FHE	56	KB4DE	48	N7RD	29	NU7Y	18
UR5MM	340	2920	WE5P	55	KA9BHD	48	N5PHT	29	M0DHP	18
PG4I	339	734	AC3BU	55	K6KM	48	K4QS	29	LB6GG	18
WA5PFJ	338	724	K2TW	52	K5ZD	48	K2QB	29	KE6K	18
K8RJW	337	697	IK0NOJ	52	K4QS	48	G0ELZ	29	K6KM	18
W6TN	331	958	G4ILW	52	K4HQB	48	NN4K	28	K4AFE	18
G4DRS	324	955	AA8R	52	K3DMG	48	K9WX	28	K1VUT	18
VA7ST	322	2579	WN7S	51	K1SM	48	K3SEN	28	IK0NOJ	18
WE5P	322	917	KU7Y	51	IT9VDQ	48	K2TW	28	DL4KG	18
NA6O	319	3352	K4AFE	51	IT9MUO	48	AD1C	28	W4WF	17
W8XC	318	651	K0TC	51	I2WIJ	48	AC3BU	28	SM5IMO	17
G3WZD	317	595	W2VM	50	EA1WX	48	WT2P	27	KV8Q	17
OH2BN	314	1311	W0TG	50	DL8PG	48	W4WF	27	KK0ECT	17
AB7MP	313	1259	K4HR	50	4X6GP	48	VA7ST	27	K2TW	17
KE4RG	311	1142	W4WF	49	WT8P	47	NA4J	27	K0MP	17
DK3WW	311	491	M10WWB	48	WS1L	47	M0NGN	27	DK3WW	17
EA5IUY	308	413	W8DN	47	WA2USA	47	K8JQ	27	W8DN	16
VE6JF	303	844	NR3Z	47	W8XC	47	NR3Z	26	W6TN	16
EA3FZT	301	461	N3FZ	47	W6TN	47	K3DMG	26	W2VM	16
KD2KW	294	413	K6NR	47	W2NO	47	G0MGM	26	VE3TM	16
AJ1DM	292	787	DL4KG	47	VE1OP	47	WN7S	25	NR3Z	16
PA3BFH	286	477	SP1D	46	SM5IMO	47	VE3TM	25	N3FZ	16
W7GF	282	999	DK3WW	46	ON4CAS	47	PA0INA	25	KT4XN	16
AA0O	282	375	PA3BFH	45	OH2BN	47	NJ3K	25	DL5DBY	16
W3RZ	278	478	KT4XN	45	NR3Z	47	G4LPP	25	W8XC	15
4X6GP	274	1780	G3WZD	45	N4FP	47	W2VM	24	W8OV	15
WT8P	267	510	G0MGM	45	LA8OM	47	N1RM	24	NJ3K	15
WB5BKL	266	1285	W4ER	44	KJ4M	47	K6RB	24	NG1R	15

(Continued on next page)



(Continued from previous page)

Call	ACA	CMA	Call	DX	Call	WAS	Call	WAE	Call	WAZ
DL5JQ	266	381	KB8GAE	44	KF8O	47	DL1NKB	24	N4FP	15
N1EN	264	2444	EA3FZT	44	K4EES	47	N4FP	23	M10WWB	15
DL5DBY	261	1123	KV8Q	43	I5IYJ	47	N3FZ	23	KM4FO	15
N7SU	258	497	W8FN	42	HB9ARF	47	K5QR	23	KE4RG	15
KE6K	244	946	SV2BBK	42	DK1WI	47	K5CM	23	KC8J	15
PF5X	242	323	NJ3K	42	CO8NMN	47	EA1DP	23	KB4DE	15
DD7CW	235	325	KK0ECT	42	AG4EA	47	AA8R	23	G4ILW	15
EA4OR	234	397	WB5BKL	41	AA8R	47	SP2R	22	G3WZD	15
DL4KG	221	308	WA3GM	41	WE5P	46	NG1R	22	AJ1DM	15
N7MU	219	536	W8XC	41	WA5PFJ	46	K6NR	22	AC6ZM	15
M10WWB	203	508	PA3HEN	41	W1AJT	46	DL8BH	22	AB7MP	15
W6GMT	198	391	K3MD	41	VE6JF	46	AC6ZM	22	WA5LXS	14
NF5KF	198	289	PF5X	40	V31MA	46	W8DN	21	WA2USA	14
KI3F	197	308	EA5IUJ	40	RM2D	46	KT5V	21	W2NO	14
KR4WI	197	255	DL5JQ	40	N7SU	46	JF2IWL	21	VE6JF	14
PA3HEN	192	295	VE3TM	39	N3FZ	46	GD4EIP	21	PF5X	14
GD4EIP	184	199	NG1R	39	N0PP	46	F5PBL	21	N7MU	14
M0DHP	181	515	DD7CW	39	KC4WQ	46	WA2USA	20	N0PP	14
K1IG	177	226	WA5LXS	38	K8RJW	46	W2CDO	20	KJ4M	14
K9CPO	169	192	EA4OR	38	K5QR	46	W0TG	20	K5QR	14
SV2BBK	166	351	AA8TA	38	K2YR	46	K4HR	20	EA3FZT	14
AF4T	159	179	W8OV	37	JF2IWL	46	K4AFE	20	AG4EA	14
KA9BHD	157	755	N4FP	37	G3LDI	46	K0TC	20	AA8TA	14
KU7Y	154	1674	K6DGW	37	DL5DBY	46	WS1L	19	W3RZ	13
KG5VK	147	163	W0EJ	36	AJ1DM	46	WE5P	19	SV2BBK	13
OK1RP	136	701	AC6ZM	36	W2CDO	45	KT4XN	19	PA3BFH	13
ON4VT	131	678	W2NO	35	W1EQ	45	GW4MVA	19	KF8O	13
G4LPP	131	183	JF2IWL	35	W0PHX	45	WB5BKL	18	K4TZ	13
W8EH	130	149	M0NGN	34	SM0HEV	45	WA3GM	18	K4EES	13
M0NGN	117	138	WS1L	33	OZ3SM	45	W8XC	18	WS1L	12
AF3K	116	618	KM4FO	33	NG1R	45	W6KY	18	WA5PFJ	12
F5IYJ	108	683	KB4DE	33	N4CWZ	45	W2NO	18	W6LAX	12
EA1DP	104	131	G0ELZ	33	G4NVR	45	VE1OP	18	KA9BHD	12
DL1NKB	96	123	WA2USA	32	G4HZV	45	KB8GAE	18	K2YR	12
G0ELZ	94	206	W7GF	32	AF3K	45	G4RCG	18	DD7CW	12
K8MP	84	89	VE1OP	32	AA0O	45	AG4EA	18	W2XYZ	11
GW4MVA	82	95	K5QR	32	W3RZ	44	W8FN	17	W1EQ	11
DL8BH	81	115	AG4EA	31	W2XYZ	44	W2XYZ	17	W0PHX	11
PA0INA	68	86	NU7Y	29	PG4I	44	W1EQ	17	M0NGN	11
SP2R	65	90	KC8J	29	ON4VT	44	PA0VLD	17	KC4WQ	11

(Continued on next page)



(Continued from previous page)

Call	ACA	CMA	Call	DX	Call	WAS	Call	WAE	Call	WAZ
G4ILW	59	693	K4TZ	29	N7MU	44	KV8Q	17	K8RJW	11
LA8OM	54	1370	AJ1DM	29	KD2KW	44	KB4DE	17	EA5IUY	11
I5EFO	52	1447	W6TN	28	G4DRS	44	W4ER	16	EA4OR	11
ON4CAS	39	1131	KF8O	28	F5IYJ	44	K8RJW	16	AF3K	11
OK4MM	37	40	KA9BHD	28	DF7TV	44	W1AJT	15	N7SU	10
K4NE	29	77	K6KM	28	SM7IUN	43	KU7Y	15	KI3F	10
KM3A	28	33	G4LPP	28	N5KW	43	KF8O	15	K1OJ	10
VK7CW	20	1809	EA1DP	28	N1RM	43	WA5PFJ	14	K1IG	10
PA0VLD	20	37	DL1NKB	28	KI3F	43	W8OV	14	GD4EIP	10
DD5KG	17	18	W3RZ	27	DJ1YFK	43	AJ1DM	14	G0ELZ	10
AC4CA	0	4479	KE6K	27	W6GMT	42	AA8TA	14	DL8BH	10
N5RR	0	4223	KE4RG	27	N7ID	42	K2YR	13	DL5JQ	10
K6RB	0	4032	DL8BH	27	SQ9S	41	K0MP	13	WT8P	9
K5AX	0	3634	PA0INA	26	M0RYB	41	WA5LXS	12	W6GMT	9
N2RC	0	3271	N1RM	26	LB6GG	41	KK0ECT	12	W2CDO	9
KY7M	0	3252	N0PP	26	DL4FDM	41	KI3F	12	PA3HEN	9
AE1T	0	3206	K8RJW	26	NA1VT	40	KE4RG	12	N7ID	9
F6JOE	0	3002	K0MP	26	KR4WI	40	KC8J	12	N1RM	9
IK0YVV	0	2958	GD4EIP	26	SP1D	39	K6DGW	12	KG5VK	9
K5CM	0	2866	F5PBL	26	K1IG	39	KM4FO	11	G4LPP	9
EA8OM	0	2758	WA5PFJ	24	IN3FHE	39	KA9BHD	11	F5PBL	9
K1SM	0	2566	W2XYZ	24	G3WZD	39	K4TZ	11	DL1NKB	9
N5AW	0	2510	W1EQ	24	W4MDV	38	W3RZ	10	WX5CW	8
N2WK	0	2339	K5IX	24	K9CPO	38	W0EJ	10	W4MDV	8
N7WY	0	2303	AB7MP	24	AF4T	38	NF5KF	10	W1AJT	8
K4HQB	0	2193	W2CDO	23	W9KM	37	NA1VT	10	NA1VT	8
K6DGW	0	2122	SP2R	23	NF5KF	37	N5KW	10	KD2KW	8
AD1C	0	2101	K2YR	23	KB8PGW	37	K9CPO	10	G4RCG	8
W6KY	0	2088	W6LAX	22	IK0NOJ	37	KJ4M	9	EA1DP	8
K4QS	0	2069	NF5KF	22	DK3WW	36	AF4T	9	AF4T	8
K2QB	0	2023	G4RCG	22	OK1RP	35	W6TN	8	AA0O	8
EA1WX	0	1961	K4EES	21	MI0WWB	35	W6LAX	8	SP2R	7
DL8PG	0	1789	GW4MVA	21	GD4EIP	35	SM7CIL	8	SM7CIL	7
K3DMG	0	1773	KJ4M	20	G0MGM	35	N0PP	8	OK4MM	7
K3MD	0	1734	AF3K	19	W8EH	34	KD2KW	8	N5KW	7
K4HR	0	1698	W1AJT	18	M0DHP	34	K6KM	8	K9CPO	7
IT9VDQ	0	1618	VE6JF	18	PF5X	33	K5IX	8	GW4MVA	7
KR3E	0	1602	KI3F	18	KG5VK	33	K1IG	8	PA0INA	6
V31MA	0	1520	KC4WQ	18	DL4KG	32	KG5VK	7	N4CWZ	6
SM5IMO	0	1382	W0PHX	17	EA3FZT	31	K4EES	7	KR4WI	6

(Continued on next page)



(Continued from previous page)

Call	ACA	CMA	Call	DX	Call	WAS	Call	WAE	Call	WAZ
N1ZX	0	1348	PA0VLD	17	G4ILW	30	AF3K	7	W9KM	5
W4ER	0	1311	N7MU	16	EA4OR	30	VE6JF	6	PA0VLD	5
WA3GM	0	1230	K1IG	16	PA3BFH	29	OK4MM	6	W8EH	4
F5MNK	0	1111	NA1VT	14	K8MP	29	AA0O	6	KM3A	4
W2NO	0	961	N5KW	14	G4RCG	28	NU7Y	5	K4NE	4
DK1WI	0	908	AF4T	14	K4NE	27	KC4WQ	5	K8MP	3
K5IX	0	892	K9CPO	13	EA5IUY	27	AB7MP	5	DD5KG	3
I5IYJ	0	837	KD2KW	12	DL5JQ	27	W7GF	4	AF9W	3
IN3FHE	0	769	AA0O	12	SV2BBK	23	W6GMT	4		
VE1OP	0	768	SM7CIL	11	DD7CW	23	KE6K	4		
W0EJ	0	754	KG5VK	11	AF9W	23	W0PHX	3		
JF2IWL	0	674	K1OJ	11	G0ELZ	21	N7SU	3		
DL4FDM	0	646	WX5CW	10	WX5CW	20	N4CWZ	3		
N5KW	0	639	W6GMT	10	PA3HEN	19	KR4WI	3		
N0PP	0	550	OK4MM	10	G4LPP	19	WT8P	2		
G0MGM	0	495	N7SU	10	M0NGN	18	N7MU	2		
W0PHX	0	426	N7ID	9	KM3A	17	N7ID	2		
IK0NOJ	0	366	WT8P	8	DL1NKB	14	KB8PGW	2		
N7ID	0	311	W4MDV	8	SM7CIL	13	DD5KG	2		
NA1VT	0	306	N4CWZ	7	OK4MM	13	WX5CW	1		
KB8PGW	0	284	KR4WI	6	GW4MVA	13	W9KM	1		
W9KM	0	236	KB8PGW	5	F5PBL	13	W4MDV	1		
W4MDV	0	225	W9KM	4	EA1DP	13	KM3A	1		
F5PBL	0	134	DD5KG	4	DL8BH	11	K1OJ	1		
G4RCG	0	131	W8EH	3	DD5KG	10				
AF9W	0	59	K4NE	3	SP2R	3				
WX5CW	0	49	KM3A	2	PA0INA	3				
SM7CIL	0	35	K8MP	2	K1OJ	3				
K1OJ	0	29	AF9W	2	PA0VLD	2				

New to Member Awards?

[Use the new online tool to submit your data.](#) It's easy! (Watch the tutorial if you have not used the online tool before.)



QTX Report

Enjoying the Art of Conversational CW

[Bruce Murdock K8UDH](#)

I've received several comments recently from QTXers about Marathon QSOs, which are CW QSO of more than 60 minutes in length. Wow, more than an hour long!!! Now that's a real conversational QSO, Hi Hi.

When I first heard about these really long QSOs I had the impression that they would have to be extremely rare. But that's not really the case. They're unusual to be sure, but not extremely rare. In fact, several CWops ragchewers enjoy long QSOs and are working to earn the coveted Marathon QSO Award. Often times these folks have to search for other ragchewers who are willing to have a conversational hour-long CW QSO. That's what happened to me. In the QTX comment section below I reported that I had three such QSOs with N5IR, K5KV, and W2OZB. They asked me and we scheduled it. They were great fun. So now I'm hooked and I'm working on my own [Marathon Award](#). It normally takes quite a while to garner the required 100 hour-long QSOs. We'll see how it goes.

Marathon QSOs are just one more way to enjoy CW. They're not for everyone and that's OK. CW is not for everyone and that's OK too. Whatever way we choose to use CW is also OK. It's all good.

Let's take a look at the comments and reports from our group of ragchewers.

Comments from QTX submissions

K6DGW: Post K1USN SST was the source of 2 of the 3 QTX.

WS1L: I enjoyed a couple of chats with K4EWG, particularly talking about restoring old radios. One of those was the longest of the month, at 43 minutes although AA4MC was close second at 42 minutes.

W9EBE: My longest QSO this month was with our very own CWops member #2020: Phil/W2OZB. We chewed the rag for 1 hour and 9 minutes. Thanks for the great QSO, OM! 73 to all my fellow September QTX & MQTX QSO ops. ~ ZUT~

AA5AD: Nice to chat with Gary N5PHT on 40 m again, longest contact was a 31 minute rag chew with Randy N1SP up in VT. Not much time to operate this month because of being deployed for disaster relief work in down in Louisiana, hope to bring up the total as the bands open up in October!

KCOVKN: Lowband condx are improving and had some really great ragchews this month.

W3PNM: Busy month with not much time on the radio. October looks more promis-

(Continued on next page)



(Continued from previous page)

ing. Another granddaughter due 10/8!

G3WZD: Not a lot of activity this month; too many distractions! Hopefully, October will be better.. 73, Duncan

F5IYJ: At times where new restrictions are in place to limit COVID-19 spreading, staying at the station and rag chewing with friends on the air is a good option to stay healthy.

N8AI: Computer crash forced me to change from Aether Log to 73 Ham Log on my new 13" iPad Pro. Having trouble recovering old log from ADIF, but iPad is beautiful. Best QTX of the month was 59 minutes John WA8YWG from my home state of Ohio.

N6HCN: Fine QTX with Scott KC9YI, Mike WA6OUW, and Gary AB0BM. Dave, W3WKP in Reading, PA, was running his remote station near the Appalachian Trail, and Wilson KG5TRV had just finished brewing a batch of stout beer.

KB6NU: Sorry about the delay this month. I'm not sure what to credit for my higher score this month. Maybe guys were just feeling more talkative than usual. :)

AJ1DM: Condx haven't been great lately, but the rag-chews are still fun. 73

WA2USA: I had an interesting Q with an op who's entire station was homebrewed. His RX and TX and 2 el 40 meter Yagi 4 feet off the ground were all homebrewed. Yep, 4 ft off the ground. Not too shabby.

K8UDH: This month I enjoyed three Marathon QSOs over 60 minutes long with Bill N5IR, Benny K5KV, and Phil W2OZB. Great fun.

Awards and Medals for 2020

Medals for 2020 are awarded for three different levels in QTX:

Gold – 400 QTX QSOs

Silver Medal – 300 QTX QSOs

Bronze – 200 QTX QSOs

The Gold Medals earned through September 30th are Art (K8CIT) with 1136 QTX QSOs, Joe (KC0VKN) with 629 QSOs, and Bill (N5IR) with 593 QSOs. Gary (N5PHT) with 388 QSOs, Tom (DL5DBY) with 358 QSOs, Chris (N8AI) with 351 QSOs, and Chip (W9EBE) with 350 QSOs have qualified for Silver Medals. Our Bronze Medal earners are John (K1ESE) with 297 QSOs, Chuck (WS1L) with 250 QSOs, and Dan (KB6NU) with 210 QSOs.

(Continued on next page)



(Continued from previous page)

QTX for September 2020

Call	QTX	Call	QTX	Call	QTX	Call	QTX
K8CIT	131	KB6NU	27	N5PHT	10	K6DGW	3
N5IR	88	N8AI	27	AJ1DM	9	W3PNM	2
F5IYJ	57	K5YQF	25	K8UDH	9	W3WHK	2
KC0VKN	55	W9EBE	22	KG5IEE	8		
K1ESE	52	K4AHO	15	AA5AD	7		
WS1L	36	N6HCN	13	WA2USA	5		

MQTX for September 2020

Call	MQTX	Call	MQTX	Call	MQTX	Call	MQTX
SV2BBK	34	AA5AD	13	N6HCN	3	K8UDH	1
W9EBE	29	K8CIT	11	W2USA	3	N5PHT	1
N8AI	26	WS1L	10	W3PNM	3	W3WHK	1
K1ESE	16	K4AHO	7	G3WZD	2		
KG5IEE	14	K6DGW	3	K5YQF	1		

QTX for 2020

Call	QTX	Call	QTX	Call	QTX	Call	QTX
K8CIT	1136	KB6NU	210	AG4EA	50	K6DGW	9
KC0VKN	629	K5YQF	196	AA5AD	49	N5LB	9
N5IR	593	F5IYJ	160	W3PNM	45	W5LA	5
N5PHT	388	N6HCN	140	SV2BBK	25	AB7MP	4
DL5DBY	358	K4AHO	133	W3WHK	24	G3WZD	3
N8AI	351	K2KRG	111	WB6TOU	23	KU7Y	3
W9EBE	350	AJ1DM	91	IK0IXI	22	KR4TH	1
K1ESE	297	K8UDH	68	EW6BS	15		
WS1L	250	KG5IEE	51	WA2USA	9		

MQTX for 2020

Call	MQTX	Call	MQTX	Call	MQTX	Call	MQTX
DL5DBY	684	AA5AD	106	W3PNM	29	KU7Y	5
N8AI	464	K1ESE	100	K6DGW	26	W5LA	5
W9EBE	269	KG5IEE	67	K8UDH	23	W2USA	3
SV2BBK	218	K4AHO	61	AG4EA	22	N5LB	3
WS1L	168	N6HCN	57	AJ1DM	17	KR4TH	1
K2KRG	134	G3WZD	54	W3WHK	13		
N5PHT	123	K5YQF	48	WB6TOU	11		
K8CIT	107	MI0WWB	47	AB7MP	9		

(Continued on next page)



(Continued from previous page)

Stay healthy and have fun with CW.

73,

Bruce K8UDH, QTX Manager

My Story: New Member Biographies

Sven Lovric, DJ4MX

At first, I would like to thank Philipp (DK6SP) for nominating me, and that I got so many sponsors after only some hours. And as well big thanks to DL6KVA, WT9U, K1VUT, PA3AAV, WT8P and G3WZD for being my sponsors.

I was born in May 2002 and I'm now 18 years old. I have been almost my entire life in contact with amateur radio, because my father (DJ2MX) is also a ham. At first, I didn't really know what he was doing all the time in front of the radio and I found it funny when he was doing CW, because I only heard that "strange" sounds.



In 2015 my dad requested a training-callsign (DN5MX) for the "training contest" by DARC, and he asked me if I would like to operate a bit and make my first QSOs. I was a bit scared at first and didn't wanted to talk into the microphone, but after some practice it was really fun and I couldn't get enough of it. I operated with DN5MX mostly contests in SSB and RTTY, and in May 2017 I passed the exam for the novice class, and got my callsign DO4MX, some months later in September 2017 I upgraded to the "full" license and got my callsign DJ4MX.

Since then I operated almost only SSB und occasionally some RTTY in contests. But my dad always told me that I have to learn CW to have the most fun in amateur radio. So, I started to practice with LCWO in 2019 but after some weeks I had lost the motivation and stopped again, but my CW was good/bad enough to give "dj4mx" and "5nn tu" and so I made my first CW QSO's. But during my free time in the lockdown I practiced a lot with LCWO and Morse Runner and im-

(Continued on next page)

(Continued from previous page)

proved a lot. At the moment I really enjoy CW contesting, and especially the weekly CWTs.

Since March 2019 I also hold a Croatian Callsign, at first 9A5AAX and since March 2020 9A5MX. You will most likely hear me operating remote from the 9A1TT station in Contests. I´m also a member of the Bavarian Contest Club, and in the past, I was mostly QRV in Contests as DJ4MX in single op entries or as DP4X together with my dad in multi op entries, and from our club station DK0EE.

Apart from contesting I enjoy chasing DXCCs, activating and chasing SOTA summits and when we are on holiday in Croatia activating Islands for the IOTA and IOCA program.

I finished school in May this year and now I start to study electrical engineering at the Munich University of Applied Sciences in October this year. I hope I still have as much time for the radio in the next few years during my study as the last few months, and I get to operate the weekly CWTs in the future.

Thanks again and hope to cu on the bands, in or outside a contest.

Halvor J. Østtveit, LA1IO

Hello CWops members!

Thank you for letting me in to your exclusive club.

First of all I wish to thank my CW Academy advisor Keith, G0HKC and his co-advisor Kit, G0JPS for their fine and enjoying Academy lessons. And also the fellow students in the class. We had a great time in all the 16 Zoom-meetings!

My launch to the earth happened in 1951 and I got my license in 1970. CW has always been my favorite mode.

I am not so much into DX-chasing and contesting, I like more making real QSOs with leisure chatting. Nevertheless, I am the proud taker of the Worked All Continents Award!

Now in my retirement-days I find increasing CW-speed a fine way to keep Mr. Alzheimer away, and enjoy my time a lot making CW QSOs and train my brain for always better reading and sending. I use a lot of hours just listening. The CWA resources are a tremendous asset for increasing proficiency. I use the Daily Morse Code «Scales» and Pangrams every day at a speed a little higher than my comfort speed, and I am getting slowly better



(Continued on next page)

(Continued from previous page)

and better managing accuracy and high speed skills. As a famous Jazz musician said when asked what one should do to get so good: "Practice man, practice!"

I love my Begali keys; I mainly use a Begali Signature Edition. I also have a Begali Stradivarius, which is being used on Sundays and feast days.

The photo shows my radio shack as of September 2020.

In my professional life I retired in 2015 after 40 years from work as a church-organist and choir director.

My best 73s to all. Stay safe, practice and get on the air!

Filipe Lopes, CT1ILT, F4VPX, CR6K, CR5E

First of all I would like to thank my nomination to Mats Strandberg RM2D and also to the sponsors, in which a few minutes validated my nomination, Lada Prajsner, OK2PAY, Zoran Grozdanovski, Z32U and Jim Walter, WT9U.

CW has been in my guts since before I was an amateur radio (2002). I will share this story with you so you know how much I love CW.

When I was just a young boy, our family used to live in my grandmother's house, and the radio shack was located just outside the house in a small house which my father CT1CJJ transformed into a shack. Basically, my father did not want me to touch the radio stuff, especially his CW paddle, to focus on studies and kid's stuff, but unfortunately when you say NO to a child it tends to do the opposite! My father is left handed and I am right handed, and for him not to know I have touched the CW paddle (which is a Bencher) I learnt to send CW with the left hand, so every time he got home from work he did not know I have been making CW QSOs with his callsign (luckily there was no CW skimmer at the time). I should have been around 13 or 14 years old. Unfortunately in Portugal at the time one could only take the Ham Radio exam at the age of 16, so my gift, for my birthday in 2002, was to go to ANACOM and pass my Ham Radio exam and CW was still obligatory and a few weeks later I got my call CT1ILT.

Since then I participate on every major contest from our contest station in Portugal as CR6K or CR5E, I was team leader of the very first Portuguese Team to participate in a WRTC (2014) and I have operated, mostly CW contests from K1LZ, 6Y1V, VP5X, TI5W.



(Continued on next page)

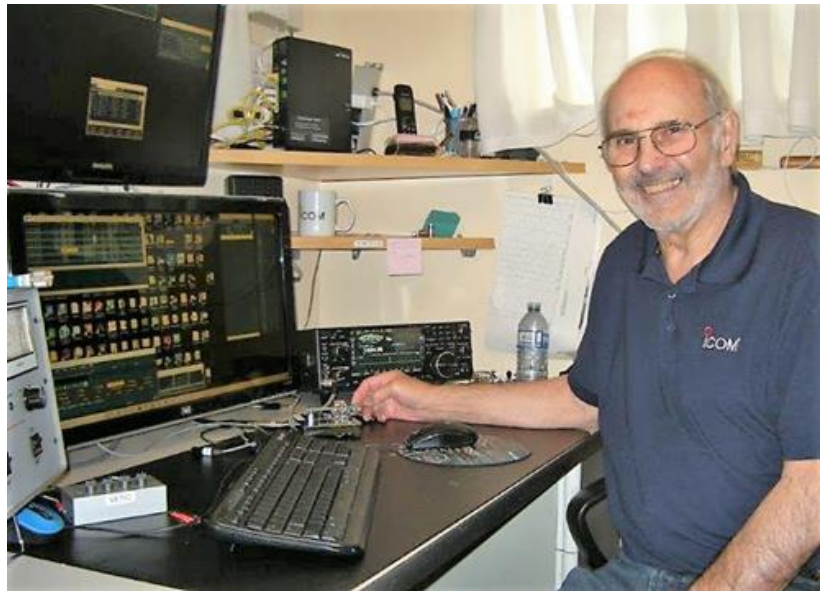
(Continued from previous page)

Living and working now in France I operate on a daily basis via remote, but I am also very much into hiking and SOTA activations (my call in France F4VPX).

Fred Orsetti VE7IO

First thanks to Keith, VE7KW, for nominating me to CWops I am very grateful for his support. As well, my sincere thanks to those who sponsored my nomination making my membership a reality.

I was first licenced as VE7CJG in 1975 and operated for one year on CW only as was required in those days. In 1976 I wrote my advanced exam and passed which allowed me to use phone but I still found CW was my favorite mode. My first setup was a Viking Ranger transmitter a Hallicrafters SX 115 receiver and a 20 m dipole. My first contact on CW was with WN7YGO, Chuck, a retired railroad telegrapher and his code was so good that, as a newly licenced ham, it gave me confidence. After a year or so I assembled a Heathkit HW 101 transceiver and thought this was the greatest improvement.



From 1976 to 1980 I mainly worked DX and participated in local traffic nets but then my responsibilities as manager in the newspapers changed resulting in my work days becoming much longer. I had to put ham radio to the side for a while. In 1990 I received my two letter call VE7IO and in 1994 I took early retirement allowing me to have much more free time. From 1994 to the present I have done several upgrades to my station as contesting became my main interest. My good friend Jim, VE7FO, and I teamed up to provide our local club with contest training causing me to seriously look at making the station more user friendly. In 1995 I made my first trip to Dayton and Contest University in the later years was my source for ideas and information to improve my station and operating skills. Thanks to Tim Duffy, K3LR, and the entire CU team I now feel the station is fun to use as an M/M small contest station. Not just the physical improvements but operating strategies as well.

The station now has two positions each with an Icom IC7610, amplifier and computer all networked together with a third station manager computer. I use an 8x2 Antenna Genius antenna switch to handle the two radios into two towers and two wire antennas. One tower has a 3 element SteppIR and the other a TH6 triband. I use a 250 ft OCF antenna for 160, 80 and 40 as well as an 80 meter dipole at 90 ft. The station is setup to operate remotely.

I am looking forward to participating as a CWops member and, again, thank you all who helped with my successful nomination.

(Continued on next page)

(Continued from previous page)

Tony D'Alonzo, K3ZA

I want to thank you for welcoming me aboard. Also, thanks go out to those folks who sponsored me.

I've been in this hobby since the age of 13, back when it was so exciting to work someone from your basement shack to other parts of the country, let alone the WORLD! Now, how exciting was that? Remember how exciting it was to work 2 weekends of SSB and CW contests with written logs and written dupe logs?? Thank god for the computers and this great software.

Was able to save money from a Philadelphia Evening Bulletin paper route. After 2 years, I accumulated enough to update my Heath AR3 receiver to a new Hallicrafters SX110, which I still have and works. The Globe Chief 90A with 4 crystals, got me on the air. There was no SWR meter, no big antennas, but TV 300 ohm twin lead which got us on the air. A Gotham 10 m conduit 3 element Yagi on my parent's chimney worked during that great 1959 solar cycle.



To cut this short, I took this hobby with me through high school, US Navy (Radioman 3 Class), schooling after the Navy and into married life and family raising. I always had a shack and enjoyed many of the modes of our hobby, my "Man Cave." The kids and the XYL had a place for me to go to when I was being less cooperative!

Today's gear: a new Kenwood TS890, TS-590SG, still have my great working FT1000mp. For the afterburner, I use an ALPHA 8410, which gets me into some of the battles. The radiators are a 42-year-old TH6dxx @ 65Ft, which has been rebuilt several times, wires in all sorts of configurations, a 4 element 6 m Yagi and variety of VHF/UHF antennas. I have gotten into C4FM/WiresX and DMR for time when you want a quiet QSO without QRM, QRN QSB and poor condx.

Looking forward to being a member of CWops. If it wasn't for knowing the code at a young age, I would never been a US Navy radioman. I enjoy CW, however, as I am now approaching 75 years, things don't work the same as in the past, like ears and fist.

Hope to CU all on the bands, during the various contests and don't forget to work me during the CW-mini's.

Mike Briggs G4SMB

First of all, I would like to thank Bud AA3B for nominating me for CWops membership and my sponsors, Roger G3LDI, Emil I5EFO and Carston OY1CT, I am very pleased and proud to have been accepted as a member of CWops and I will most certainly uphold the mission to pursue and project the art of CW.

(Continued on next page)

(Continued from previous page)

I am married to my wife Pamela of some 41 years and still going strong, we have 3 children all doing well in life and their chosen professions.

My wife and I live in the market town of Drifffield, East Yorkshire. Our house purchase was governed by 2 criterion: 1, it had to have at least 3 bedrooms (it does) and 2, the garden front to back had to be in excess of 102 feet long (which it does and the G5RV lives therein).

At the age of 16 I decided to join the army. Of course at the age of 16 I had to obtain my parent's permission and blessings for such an adventure so a burly army sergeant from the recruiting office came to visit to explain things to my parents; somewhat tricky because I hadn't actually told my parents of my future intentions!! Anyway, permission was granted by mum and dad and I was summoned back to the Leeds office for the sign up. I sat some psychometric tests, took the Oath of Allegiance and received the Queen's shilling.



The army recruiting system chose me to train as a radio operator, and that is how it all began. The trade training was over a 12-month period and I graduated at 20 wpm CW.

I served for some 26 years most of which was hands on radio operations and then through promotion and other appointments, transport and logistics.

At my 22-year service milestone, in 1988, I was commissioned to Captain - Royal Corps of Transport.

I served in Northern Ireland, Germany (call sign DA1EK), Cyprus (UN) Falkland Islands (post war - callsign VP8BAO) and Canada.

In October 1990 I was mobilised and sent to Al Jubail, Saudi Arabia for the build up to the mission to free Kuwait from its Iraqi aggressors - Desert Storm and served throughout the conflict returning home in March 1991.

In 1982 I was introduced to amateur radio by G4EJP (SK) an instructor in one of my radio training teams. I had moved to Perth, Scotland on a new appointment so I joined the Perth & District Amateur Radio Club and studied for the City and Guilds Amateur Radio Certificate; duly passed I

(Continued on next page)

(Continued from previous page)

went to the Aberdeen Coast Guard Station and sat the A licence morse test at 12 wpm, passed that and G4SMB came in the post a week or so later and still going strong.

Now fully retired, my main radio interests are DX chasing and CW award chasing I also enjoy portable operations; and of course, nowadays, CWT sessions which are very enjoyable. Thank you.

Chaly Valery, UR2Y/US0YW

Hello! Thanks for joining the club!

A little about myself. I have been in amateur radio since I was 15. This year I was 60 years old. First, a circle in the house of Young Technicians. Then SWL call UB5-082-143 work on collective radio stations UK5YAN Daily work and in competitions. In 1982 received the callsign UB5YDY after reforming the callsigns US0YW.

Contest callsigns UT7Y and currently UR2Y. I do not work for diploma programs, only in contests. Won a lot of tests 2016 2017 won IARU contexts SO 20 M SSB LOW POWER.

Since 1998, my position has been in the Bukovyna Carpathians on the Megura mountain 1313 meters high. I only use solar energy for electricity. There is also a mountain hotel Kovcheg. I am the owner of this establishment.

I work all tests with low power without an amplifier for lack of powerful energy. Calling my wife US5YLY.

Thanks again for admitting to the club.

Kenneth Cary, K9UCX

First and foremost, I want to thank Dan Domondon WA6URY / 7J1ABD #1176 for being my sponsor who nominated me



(Continued on next page)

(Continued from previous page)



For membership into CWops, and a special "Thank You" to Hal Offutt W1NN 785 for all his time including the kindness he extended to help me achieve membership into this extremely honorable organization.

Additionally, I would like to thank all others who took their time to sponsor and support me through the membership process.

My amazing journey in ham radio began in 1968 at the age of 12 when I obtained my Novice call WN9EHV and I then quickly fell in love with CW and continue to be CW only for the last 52-years.

At age 17 I enlisted in the United States Marine Corp and aced the CW exam. I was then made to retake the CW exam for which I again passed with 100% copy.

I was immediately placed into communications (CW), and I must say that it was a true pleasure and honor to work with CW daily in the USMC including teaching many Marines the fine art of high-speed CW.

(Continued on next page)

(Continued from previous page)

After discharge and working around studies at college, university, marriage, children, and work commitments I proceeded to pass the General, Advanced and 20-WPM Extra Class exam and continue to hold the call K9UCX.

I work a ton of CW and I am on HF every day. 40 m, the bread and butter band, is always a lot of fun, and I really enjoy 30 m, both DX and Ragchewing alike. 20 m CW is a must, but a few sun-spots would be appreciated!

I have easily worked over 100,000 CW QSO's with most in the format of Ragchewing, and of course I have worked my fair share of DX as DX clearly enjoys CW as it is a highly successful mode.

I am a member of the Fists CW Club #6873, SKCC #7002, QCWA #30138 and now the prestigious CWops #2693.

Lastly, I look forward to working many club members and participating in the weekly one-hour CWT sessions.

Andrew (A.J.) Stockton, NK4O

My story started early: my parents were both hams (now AA4RO & AG0K). When I was six, my parents shifted to sending each other CW while commuting so that my little ears would not know what was being discussed. So, by the time I was 8 years old in 1978, 5 WPM was in the bag and I had my Novice certificate, KA0EFG. Eventually, I would sit sidebar with my mom working November Sweepstakes, and learned how to pull high speed CW out of pileups. We were in Missouri at the time and always a needed multiplier! The next Novice Roundup, I operated and placed very high for the 0 area / Missouri section. My final step towards CW improvements was operating with the NOSS Field day crew. Wow, I was surrounded by really great operators.

BUT, sitting at the bottom end of the Novice band and missing out on all those operators down in the General portion drove me crazy. I had the 20 wpm certificate before even attempting to take the General theory. Of course, once I passed the General, it seemed like all the good DX stayed down in the Extra portion to have 'less' pile up noise. Of course, I had to buckle down and knock out the Advanced (which meant nothing for CW) and the illustrious EXTRA Class!

I have always worked CW with the exception of VOICE/QRP when commuting. Hurricane Andrew came in 92 and took everything away. Soon after we had kids, and life priorities consumed most of my time.

(Continued on next page)



(Continued from previous page)

Recently, COVID put us all home bound, and in my down time I decided to search YouTube for high speed CW. Sure enough, I came across NG7M #1201 MAX, showing CWops operating. OH MY, hamming has come a LONG way with the cross pollination of computing and hamming, along with the incredible dashboards - I was ALL IN! Thanks for the hook MAX!

Appreciate all of you for letting me into the club, I have already started mentoring a non-ham, hoping to keep them on the brighter 'CW' side of things...

Villy Nielson, OZ1AAR

Now that I am a member, I think it is time to say thanks to OZ3SM, Stephan who introduced me to CWops world.

I was already from a very young age interested in radio engineering and communication.

By winding roads I came to the radio telegraph school on Fanø where I got my certificate as a radio operator at springtime 1970.

Before I set sail in the Danish merchant navy "Maersk Line," I had 7 months of military service on Cyprus in the UN Dancon XI signal department as a telegraph operator.

From April 1970 and 7 years onwards I sailed as radio officer. In 1973 I got my ham radio license and until 1977 I was very active as OZ1AAR / MM. In my service time at sea, I had, when in ports, often the opportunity to have eye ball QSO with hams met on the bands when at sea.

I was transferred to the head office in Copenhagen in 1978 and started a new career and got family with everything that goes with it.

Unfortunately, there was no time for radio amateur activities before I retired some 11 years ago. Got the dust off my old Yaesu FT101B, put up a horizontal loop and started with the Morse key again.

A year later, I bought an Elecraft K3 as a kit. A radio that I am very happy to use and own.

My set up is currently as follows:

- Elecraft K3, 100 watts.
- My main antenna is a 2 el. GEM quad on a 10 meter high pole mounted with 5 bands. 10 m, 12 m, 15 m, 17, and 20 m and the rotator at the bottom of the pole.
- And horizontal loop approx. 12 m above ground, as well as a 12 m high GP with radials which are tuned with an autotuner at the GP base. I also have an 18 meter high Spider

(Continued on next page)



(Continued from previous page)

pole, which I set up for the CW contest when the 160 m band is on the play list.

In the summertime I occasionally put up Yagi antenna for 6m operations.

DX hunting is also of great interest to me and I become almost completely happy when I via LP get eg. ZL, VK or another Oceania station in the log

I love contesting and do not any longer care to much about the 599 report debate. To me the measure of my antennas, the station and not least my ears tells me more than any individual report ever could. However, outside of the contest weekends, chatting at a somewhat moderate speed is relaxing. So if you hear me on air, do not hesitate to give me a call and have a chat.

May we all stay safe.