

2019 World Wide Digi DX Contest

31 August – 1 September



***ZW5B team which achieved the overall top score
(back) Oms PY5EG, Pav PY5EJ, Peter PY5CC, Neto PU2TIB
(front) Luc PY5KD, Erika PU5SIX***

With the solar flux index at 66, the A index at 38 and the K index at 5, the very first World Wide Digi DX Contest experienced extremely poor conditions in the lowest part of sunspot cycle 24. Yet both FT4 and FT8 showed their value as contest modes under adverse conditions. A total of 168,685 QSOs were reported in 1,329 logs received. With very little 10 or 15-meter activity (only 5% of all QSOs), most contacts were made on 20 meters (49%). 40, 80 and 160 meters accounted for the other 46%.

Prior to the contest, there had been very little FT-mode contesting. One thing we did know was that when contest organizers recommended contest frequencies away from the standard FT frequencies, contesters still showed up on standard frequencies anyway. This caused a lot of confusion in other FT-mode contests because of the different exchanges used.

For the WW Digi DX contest, the organizers decided to make the contest exchange the same as the standard exchange so contest QSOs could be made on everyday FT frequencies without

disrupting casual QSOs. It seems to have been a good idea. Being able to use standard FT8 frequencies in addition to contest frequencies seemed to work well, especially late the contest.

One huge advantage FT-mode contesting has over its legacy counterparts is the ease at which the operation can be done remotely. Several operators reported operating remotely including Hisami, 7L4IOU, who wrote "Thanks to WWORF and SCC for organizing a wonderful contest. I worked most (80%) QSO by remote operation from JARTS booth of Tokyo HAM Faire."

SOAB High Power

Starting off in the Single Op All Band High Power category, Helmut, DF7EE, piloted the LX7I super station to 1373 contacts and 400,640 points for the win. He edged Matt, KA1R, by less than 4,000 points. Matt, located on the US East Coast in Massachusetts, finished with 356,720 points despite having 430 less contacts than Helmut. Matt also had 22 more multipliers (182 vs. 160) and averaged nearly 2.1 points per QSO compared to Helmut's 1.8. Lew, W7EW, located on the US West Coast in Oregon, was not far behind in 3rd with 329,522 points and 146 multipliers from 920 contacts. Lew had a better point-per-QSO average than both Helmut and Matt at 2.5. Well-known testers Bud, AA3B, and Alex, YO9HP, rounded out the top five. In all, the SOAB High Power category had 224 or 17% of all entries.



Helmut LX7I (DF7EE) won SOAB HP



Lew W7EW is 3rd SOAB HP

SOAB Low Power

Half of all entries (660) entered the Single Operator All Band Low Power category, making it the most popular by far. As with SOAB HP, there was an equally close finish between the first and second place finishers. David, VK3BDX, (342 QSOs/83 multipliers/133,049 points) eked out the win over Levi, K6JO, operating as KR1DX (718 QSOs/96 multipliers/130,272 points) from California. Levi had more than twice as many QSOs but David prevailed with a monstrous 4.7 point-per-QSO average compared to 1.9 for Levi. John, W7CD, finished third (115,632 points)

from Washington state. Fourth and fifth place finishers John, IK4LZH, and Filipe, CT1ILT, battled to a near dead heat. Their scores were separated by only 428 points.



David VK3BDX won SOAB LP



Leo CX3AL won 20 Meter LP

SOAB QRP

In the Single Op All Band QRP category, Karel, OK2FD (26,250 points), outdistanced Pat, ON3CQ (14,850), for first place. Places three through five were separated by only 202 points with Mark, K6UFO, operating remotely as NN7SS taking third with 10,471 points. Anthony, K8ZT, was fourth (10,368 points) and Helio, S92HP (10,336 points), was fifth. There were 40 entries in the SOAB QRP category.

2019 WORLD WIDE DIGI DX CONTEST PLAQUE SPONSORS AND WINNERS

Single-Operator High Power

World All Band: Sponsored by Araucaria DX Group. **Winner:** LX7I (op. Helmut Mueller, DF7EE)
Europe All Band: Sponsored by MSHV Development Team – OZ1PIF Memorial. **Winner:** Alex Panoiu, YO9HP
USA All Band: Sponsored by MSHV Development Team – OZ1PIF Memorial. **Winner:** Matthew Power, KA1R
World 1.8 MHz: Sponsored by Richard Palio, WU6W. **Winner:** DM7C (op. Olaf Brunner, DL7CX)
World 21 MHz: Sponsored by Luciano Scandelari, PY5KD. **Winner:** Luciano Scandelari, PY5KD
World 28 MHz: Sponsored by Thomas Carney, K6EU. **Winner:** Kristjan Kodermac, S50XX

Single-Operator Low Power

World All Band: Sponsored by Joe Taylor, K1JT. **Winner:** David Burden, VK3BDX
Europe All Band: Sponsored by DX-WORLD NET. **Winner:** Gianluca Mazzini IK4LZH
North America All Band: Sponsored by Ivo Jereb S57AL. **Winner:** KR1DX (op. Levi Jefferies, K6JO)
Asia All Band: Sponsored by MSHV Development Team – OZ1PIF Memorial. **Winner:** Tex Izumo 9M2TO
Oceania All Band: Sponsored by MSHV Development Team – OZ1PIF Memorial.
Winner: Turjiman Kendhagawessi YF0TUR
USA All Band: Sponsored by Dennis Motschenbacher, K7BV. **Winner:** John Zantek, W7CD
World 7 MHz: Sponsored by Patrick Moyer W3RGA. **Winner:** Tine Brajnik, S50A
USA 7 MHz: Sponsored by Cedrick Johnson, WT2P. **Winner:** Robert Beaudoin, WA1FCN
World 14 MHz: Sponsored by The NN6NN Digital Team. **Winner:** Leonardo Correa Gordiola, CX3AL
World 21 MHz: Sponsored by Dick Dievendorff, K6KR. **Winner:** Jose Maria Benitez Granada ZP6ARO

Single-Operator QRP

World All Band: Sponsored by Fred Gaisser KK4HEG. **Winner:** Karel Karmasin, OK2FD
North America All Band: Sponsored by Ed Muns, W0YK. **Winner:** NN7SS op. Mark Aaker K6UFO

Multi-Operator Single Transmitter High Power

World: Sponsored by Ronald Lodewyck, N6EE. **Winner:** Clubstation DL0CS

Multi-Operator Single Transmitter Low Power

World: Sponsored by Tine Brajnik, S50A. **Winner:** Resava Valley Contest Club YU5R

Multi-Operator Two Transmitter

World: Sponsored by Araucaria. **Winner:** Radioklub Triglav S51A

Multi-Operator Multi-Operator

World: Sponsored by Iztok Saje, S52D. **Winner:** Araucaria DX Group ZW5B
Europe: Sponsored by MSHV Development Team – QZ1PIF Memorial. **Winner:** Croatian DX Club 9A1A
Asia: Sponsored by MSHV Development Team – OZ1PIF Memorial. **Winner:** Andrey Sachkov and Team P33W

Club Competition

World: Sponsored by Slovenia contest Club. **Winner:** Northern California Contest Club
USA: Sponsored by Northern California Contest Club. **Winner:** YANKEE CLIPPER CONTEST CLUB

Single Op High Power All Band	Single Op Low Power All Band	Single Op QRP All Band	Multi-Single High Power
LX7I (DF7EE) 400,640	VK3BDX 133,049	OK2FD 26,250	DL0CS 47,712
KA1R 356,720	KR1DX (K6JO) 130,272	ON3CQ 14,850	JL3ZHU 6,594
W7EW 329,522	W7CD 115,632	NN7SS (K6UFO) 10,471	UT7AXA 3,050
AA3B 238,128	IK4LZH 109,670	K8ZT 10,368	
YO9HP 177,536	CT1ILT 109,242	S92HP 10,336	Multi-Single
KH6KR (NH6Y) 135,142	AA5AU 100,254	CO8LY 10,166	Low Power
K6OK 121,437	YL1ZF 75,810	SP2EWQ 7,602	YU5R 62,280
W6OAT 119,519	W0YK 69,300	EA3FHP 6,902	JJ1ZEJ 14,190
KH6TU (AD6E) 108,252	KA6BIM 65,108	UN7EG 6,230	4F3BZ 4,422
N3QE 92,232	YF0TUR 64,855	ON4PB 5,760	YM3KC 4,224
			ET3AA 3,654
28 MHz	28 MHz	28 MHz	4A2MAX 2,700
W5PR 2,220	S50XX 560	IZ3NVR 506	EA3RCB 1,281
DL1REM 384	UZ1WW 140		9M2SDX 66
	YT7AW 78	21 MHz	JF2IWL/150 3
21 MHz		US5EFU 580	
PY5KD 1,984	21 MHz	HB9EZC 91	Multi-Two
	ZP6ARO 3,760	PU5IKE 18	S51A 274,626
14 MHz	DL9MEU 1,425		NA5NN 147,100
YW1K (YV1KK) 51,303	UR5WCW 470	14 MHz	NW8S 67,490
EA6VQ 32,725	DO1HFS 288	OH1MN 850	VR2CC 57,057
VP8LP 30,566	DL1RPR 264	CT7AIX 767	CT3KN 57,024
OT1A 28,080	PU7ASP 248	SV1AZL 630	LU4FM 51,652
W1RM 26,609	SP6IHE 18	DU4DXT 611	W9AV 35,264
YC6RMT 26,410		JR1NKN 518	N1WW 33,600
N4BP 23,940	14 MHz	DU1DA 238	W3YA 4,320
HB9CZF 23,016	CX3AL 30,072	N6HI 210	
UT8NT 21,200	ES5MG 16,646	4Z4UO 144	Multi-Multi
UR4QX 20,436	CE7VPQ 16,213	PD0GP 80	ZW5B 622,945
	NC4RY 13,908	CO8OH 54	P33W 477,630
7 MHz	RW0SR 10,914		9A1A 394,621
N6MA 15,505	JF1RYU 10,044	7 MHz	K1SFA 388,755
UW5EKD 11,268	YO9BCM 9,042	ON3DI 870	RW0A 252,150
UR5NMZ 10,593	IT9GSF 8,995	BD4RHV 660	WA3EKL 138,972
KD4RH 6,160	S56A 7,710	DX7EVM (DU7OK) 492	KA4RRU 85,434
SP9UNX 5,175	VU2EOJ 6,930	K1SX 344	NT0K 75,114
JH1CTV 5,152		KB2HSH 138	NW6P 51,667
AB4SF 4,200	7 MHz	4G7RAZ 5	W8DC 33,475
YC8UYJ 2,826	S50A 29,889	BD4LB 1	
OH5BM 320	SN2K (SP2FWC) 22,725		
HB9CAT 184	S51CK 21,758	3.5 MHz	
	VK7NET 14,796	YT5YTT 1,386	
3.5 MHz	ES5RY 13,804	W8QZA 1,056	
DK8ZZ 6,812	8P2K 11,640	IK4UXA 768	
R2IN 3,600	YO3JW 11,458	CO2JD 451	
UV5QQ 1,530	WA1FCN 8,450		
UT3N (K) 600	UT3UA 7,221	1.8 MHz	
VK3KJ 592	3Z0X 6,552	UN1L 12	
1.8 MHz	3.5 MHz		
DM7C 387	W1UE 6,400		
YL2VW 286	UR5QU 4,728		
CX6VM 225	SP5DL 4,290		
LZ2ZG 198	DO4DXA 3,128		
JH2FXK 12	SQ1BVG 1,526		
	YU1XX 1,020		
	JI1MUT 780		
	UA4HDB 576		
	EA3EGB 495		
	SP5VIH 340		
	1.8 MHz		
	OH2OT (OG55W) 826		
	IZ5MOQ 780		
	UA9AJK 444		
	UW1U (UT7UA) 360		
	AJ6T 65		
	BG1REN 32		

World Top Scores

Single Op High Power All Band	Single Op Low Power All Band	Single Op QRP All Band	Multi-Two
KA1R 356,720	KR1DX (K6JO) 130,272	NN7SS (K6UFO) 10,471	NA5NN 147,100
W7EW 329,522	W7CD 115,632	K8ZT 10,368	NW8S 67,490
AA3B 238,128	AA5AU 100,254	K2XR 1,575	W9AV 35,264
K6OK 121,437	W0YK 69,300	KM4CQG/P 1,280	N1WW 33,600
W6OAT 119,519	KA6BIM 65,108	KC9NBV 924	W3YA 4,320
N3QE 92,232	K1JT 61,337	N7UVH 550	
KW6S 82,302	WB0TEV 59,541	N8URE 528	Multi-Multi
NG7M 75,255	K1HTV 52,398	W5UHQ 340	K1SFA 388,755
W6SX 55,451	WT8V 50,639	KC1DVT 136	WA3EKL 138,972
N4IQ 49,572	W3LL 50,084	WB0SIO 126	KA4RRU 85,434
			NT0K 75,114
			NW6P 51,667
			W8DC 33,475
28 MHz	14 MHz	14 MHz	
W5PR 2,220	NC4RY 13,908	N6HI 210	
	WA7BNM 5,175		
14 MHz	NN6NN (W6XK) 4,706		
W1RM 26,609	NA1KW (N1SPX) 4,444	7 MHz	
N4BP 23,940	W9ILY 3,250	K1SX 344	
N7EPD 7,776	N6QQ 2,210	KB2HSH 138	
WX4G 2,047	K7XC 2,160		
KE7SW 1,781	K7RE 1,995	3.5 MHz	
AA4VV 1,560	ND4G 1,280	W8QZA 1,056	
K9DR 936	NF7E 1,120		
N2YBB 732			
WA5NOM 720	7 MHz		
W6SR 671	WA1FCN 8,450		
	N5WRX 5,126		
7 MHz	KC1BB 4,560		
N6MA 15,505	K3SSS 2,356		
KD4RH 6,160	W9ET (WB9SBD) 2,176		
AB4SF 4,200	N9OU 1,598		
	KM4HI 972		
	N2OPW 308		
	KA2YRA 273		
	W1RH 270		
	3.5 MHz		
	W1UE 6,400		
	K6ST 133		
	W8WTS 104		
	1.8 MHz Band		
	AJ6T 65		

United States Top Scores

Single Op High Power All Band	Single Op Low Power All Band	Single Op QRP All Band	Multi-Single High Power
LX7I (DF7EE) 400,640	IK4LZH 109,670	OK2FD 26,250	DL0CS 47,712
YO9HP 177,536	CT1ILT 109,242	ON3CQ 14,850	UT7AXA 3,050
S53X 83,190	YL1ZF 75,810	SP2EWQ 7,602	
YO6BHN 76,727	US0YA 50,568	EA3FHP 6,902	Multi-Single
UA6CE 62,567	RW7M 44,538	ON4PB 5,760	Low Power
HB9DDO 59,013	9A2JK 43,862	DL5RK 5,544	YU5R 62,280
OM7JG 58,280	S57AM 41,810	SM0LPO 5,440	EA3RCB 1,281
IX1CLD 56,244	S57AW 38,220	PC1EMR 3,848	
OK2EA 51,568	SQ3MZM 37,920	PE2K 3,213	Multi-Two
ER4DX (UT5UDX) 50,692	UX7QV 35,949	YL3FW 3,052	S51A 274,626
			Multi-Multi
28 MHz	28 MHz	28 MHz	9A1A 394,621
DL1REM 384	S50XX 560	IZ3NVR 506	
	UZ1WW 140		
14 MHz	YT7AW 78	Op 21 MHz	
EA6VQ 32,725		US5EFU 580	
OT1A 28,080	21 MHz	HB9EZX 91	
HB9CZF 23,016	DL9MEU 1,425		
UT8NT 21,200	UR5WCW 470	14 MHz	
UR4QX 20,436	DO1HFS 288	OH1MN 850	
OZ1ADL 17,179	DL1RPR 264	CT7AIX 767	
HA6NN 5,856	SP6IHE 18	SV1AZL 630	
DK3RA 4,980		PD0GP 80	
IU3KHJ 4,232	14 MHz	CT1END 36	
IK3ASM 4,108	ES5MG 16,646		
	YO9BCM 9,042	7 MHz	
7 MHz	IT9GSF 8,995	ON3DI 870	
UW5EKD 11,268	S56A 7,710		
UR5NMZ 10,593	DF1SD 4,750	3.5 MHz	
SP9UNX 5,175	OE3DXA 4,536	YT5YTT 1,386	
OH5BM 320	Z39A 4,142	IK4UXA 768	
HB9CAT 184	EI5KO 4,026		
	UR7QM 3,652		
3.5 MHz	OH2LU 3,500		
DK8ZZ 6,812			
R2IN 3,600	7 MHz		
UV5QQ 1,530	S50A 29,889		
UT3N (K) 600	SN2K (SP2FWC) 22,725		
	S51CK 21,758		
1.8 MHz	ES5RY 13,804		
DM7C 387	YO3JW 11,458		
YL2VW 286	UT3UA 7,221		
LZ2ZG 198	3Z0X 6,552		
	US7KC 5,808		
	S50B 4,715		
	EW6DM 3,287		
	3.5 MHz		
	UR5QU 4,728		
	SP5DL 4,290		
	DO4DXA 3,128		
	SQ1BVG 1,526		
	YU1XX 1,020		
	UA4HDB 576		
	EA3EGB 495		
	SP5VIH 340		
	DO2HEY 200		
	1.8 MHz		
	OH2OT (OG55W) 826		
	IZ5MOQ 780		
	UW1U (UT7UA) 360		

Europe Top Scores

Single Op, Single Band

Of the single band entries, the winners of 80 meter high and low power classes were near even in score with high power winner Zik, DK8ZZ, scoring 6,812 points and low power winner Dennis, W1UE, finishing with 6,400 points. On 40 meters, the top three low power entries (S50A Tine, SP2FWC Jan operating as SN2K, and S51CK Ivan) all scored higher than HP winner Paul, N6MA.



Club station SN2K antenna farm used by Jan SP2FWC for 2nd place 40 Meter Low Power

The high and low power winners on 20 meters were both from South America and both won by wide margins. In HP, the winner was Julio, YV1KK, operating as YW1K. The 20 meter LP winner was Leonardo, CX3AL.



Olaf DM7C (DL7CX) won 160 Meter HP



Alex UR5NMZ was 3rd 40 Meter HP



Alex YT5YTT won 80 Meter QRP



Gabriel EA6VQ 2nd 20 Meter HP



Bob VP8LP, 3rd 20 Meter HP



Pete W1RM, 5th 20 Meter HP



Javier CE7VPQ, 3rd 20 Meter LP



Robert NC4RY, 4th 20 Meter LP



Markus OH1MN won 20 Meter QRP



Jose ZP6ARO won 15 Meter LP

It was no surprise there were very few entries in the 10 and 15 meter single band categories because of poor high band conditions and the lack of E-skip. There weren't many entries for single band 160 meters either. Digital contesting on top band is fairly new plus 160 meters is not thought to be great at the end of August in the northern hemisphere. However, FT modes work extremely well on top band during the summer months. With FT-modes being fairly new, a lot of people may not know this. Expect this category to become more popular in the future as the next few years could still be low on sunspots.

WORLD SINGLE OPERATOR ASSISTED ALL BAND

LX7I	46/0/16	270/0/30	397/0/45	536/0/50	108/0/13	16/0/6
KA1R	87/0/26	219/0/37	300/0/50	306/0/53	29/0/15	2/0/1
W7EW	8/0/6	184/0/31	342/0/47	359/0/51	27/0/11	0/0/0
AA3B	49/0/16	185/0/30	382/0/43	265/0/34	27/0/9	0/0/0
YO9HP	31/0/14	96/0/20	249/0/42	288/0/42	117/0/28	10/0/6
KH6KR	2/0/2	36/0/11	153/0/32	294/0/45	11/0/6	2/0/2
*VK3BDX	0/0/0	12/0/6	228/0/47	102/0/30	0/0/0	0/0/0
*KR1DX	0/0/0	101/0/18	313/0/32	289/0/38	15/0/8	0/0/0
K6OK	0/0/0	74/0/17	180/0/39	232/0/41	10/0/6	0/0/0
W6OAT	16/0/9	86/0/19	171/0/36	238/0/38	8/0/4	1/0/1

WORLD MULTI-OPERATOR SINGLE-TRANSMITTER

*YU5R	4/0/2	77/0/17	151/0/25	233/0/27	59/0/16	4/0/3
DLOCS	0/0/0	29/0/10	155/0/30	206/0/36	22/0/8	0/0/0
*JJ1ZEJ	0/0/0	8/0/6	44/0/20	34/0/23	7/0/5	1/0/1
JL3ZHU	0/0/0	0/0/0	34/0/19	44/0/23	0/0/0	0/0/0
*4F3BZ	0/0/0	0/0/0	43/0/17	32/0/10	12/0/6	0/0/0
*YM3KC	0/0/0	0/0/0	3/0/2	136/0/22	0/0/0	0/0/0
*ET3AA	0/0/0	0/0/0	0/0/0	80/0/18	0/0/0	0/0/0
UT7AXA	0/0/0	7/0/3	15/0/7	90/0/15	0/0/0	0/0/0
*4A2MAX	0/0/0	0/0/0	0/0/0	103/0/20	0/0/0	0/0/0
*EA3RCB	0/0/0	0/0/0	4/0/2	37/0/15	2/0/2	3/0/2

WORLD MULTI-OPERATOR TWO-TRANSMITTER

S51A	44/0/14	133/0/28	355/0/42	384/0/50	138/0/26	15/0/11
NA5NN	39/0/10	187/0/19	374/0/32	395/0/32	15/0/7	0/0/0
NW8S	18/0/5	100/0/18	177/0/29	202/0/28	9/0/5	0/0/0
VR2CC	0/0/0	0/0/0	126/0/32	243/0/38	10/0/7	0/0/0
CT3KN	0/0/0	26/0/10	122/0/23	279/0/27	47/0/12	0/0/0
LU4FM	3/0/2	14/0/10	74/0/22	67/0/23	44/0/17	0/0/0
W9AV	43/0/8	115/0/16	189/0/20	129/0/19	1/0/1	0/0/0
N1WW	0/0/0	90/0/15	139/0/19	131/0/22	0/0/0	0/0/0
W3YA	0/0/0	6/0/3	61/0/8	63/0/14	2/0/2	0/0/0

WORLD MULTI-OPERATOR MULTI-TRANSMITTER

ZW5B	11/0/9	126/0/23	348/0/47	423/0/48	134/0/23	10/0/5
P33W	104/0/24	170/0/33	401/0/43	557/0/46	192/0/29	71/0/8
9A1A	102/0/19	201/0/22	391/0/40	528/0/45	225/0/28	58/0/13
K1SFA	160/0/24	280/0/38	408/0/40	382/0/43	63/0/14	27/0/4
RW0A	56/0/20	78/0/22	234/0/42	428/0/52	15/0/11	4/0/3
WA3EKL	72/0/14	172/0/26	282/0/33	219/0/34	5/0/4	0/0/0
KA4RRU	81/0/10	157/0/18	225/0/27	158/0/26	22/0/6	0/0/0
NT0K	65/0/5	137/0/14	353/0/27	221/0/27	2/0/2	4/0/3
NW6P	0/0/0	81/0/13	177/0/22	239/0/21	16/0/5	0/0/0
W8DC	45/0/9	135/0/13	110/0/13	130/0/26	4/0/4	0/0/0

World Top Scores Band Breakdowns

USA SINGLE OPERATOR ASSISTED ALL BAND

KA1R	87/0/26	219/0/37	300/0/50	306/0/53	29/0/15	2/0/1
W7EW	8/0/6	184/0/31	342/0/47	359/0/51	27/0/11	0/0/0
AA3B	49/0/16	185/0/30	382/0/43	265/0/34	27/0/9	0/0/0
*KR1DX	0/0/0	101/0/18	313/0/32	289/0/38	15/0/8	0/0/0
K6OK	0/0/0	74/0/17	180/0/39	232/0/41	10/0/6	0/0/0
W6OAT	16/0/9	86/0/19	171/0/36	238/0/38	8/0/4	1/0/1
*W7CD	0/0/0	77/0/14	190/0/40	280/0/41	5/0/3	1/0/1
*AA5AU	34/0/7	180/0/21	239/0/29	298/0/32	40/0/9	0/0/0
N3QE	23/0/9	154/0/19	230/0/30	246/0/26	0/0/0	0/0/0
KW6S	8/0/4	22/0/10	114/0/24	306/0/39	16/0/9	1/0/1

USA MULTI-OPERATOR SINGLE-TRANSMITTER

No entries

USA MULTI-OPERATOR TWO-TRANSMITTER

NA5NN	39/0/10	187/0/19	374/0/32	395/0/32	15/0/7	0/0/0
NW8S	18/0/5	100/0/18	177/0/29	202/0/28	9/0/5	0/0/0
W9AV	43/0/8	115/0/16	189/0/20	129/0/19	1/0/1	0/0/0
N1WW	0/0/0	90/0/15	139/0/19	131/0/22	0/0/0	0/0/0
W3YA	0/0/0	6/0/3	61/0/8	63/0/14	2/0/2	0/0/0

USA MULTI-OPERATOR MULTI-TRANSMITTER

K1SFA	160/0/24	280/0/38	408/0/40	382/0/43	63/0/14	27/0/4
WA3EKL	72/0/14	172/0/26	282/0/33	219/0/34	5/0/4	0/0/0
KA4RRU	81/0/10	157/0/18	225/0/27	158/0/26	22/0/6	0/0/0
NT0K	65/0/5	137/0/14	353/0/27	221/0/27	2/0/2	4/0/3
NW6P	0/0/0	81/0/13	177/0/22	239/0/21	16/0/5	0/0/0
W8DC	45/0/9	135/0/13	110/0/13	130/0/26	4/0/4	0/0/0

USA Top Scores Band Breakdowns

EUROPE SINGLE OPERATOR ASSISTED ALL BAND

LX7I	46/0/16	270/0/30	397/0/45	536/0/50	108/0/13	16/0/6
YO9HP	31/0/14	96/0/20	249/0/42	288/0/42	117/0/28	10/0/6
*IK4LZH	1/0/1	105/0/20	189/0/24	341/0/42	60/0/15	15/0/8
*CT1ILT	23/0/10	52/0/14	104/0/22	321/0/43	41/0/10	5/0/3
S53X	0/0/0	51/0/14	234/0/26	252/0/34	68/0/14	12/0/6
YO6BHN	21/0/9	51/0/13	139/0/29	339/0/32	60/0/12	2/0/2
*YL1ZF	33/0/11	124/0/22	232/0/20	237/0/26	43/0/10	19/0/6
UA6CE	10/0/6	40/0/10	182/0/32	258/0/30	27/0/10	1/0/1
HB9DDO	0/0/0	0/0/0	70/0/26	249/0/46	34/0/11	0/0/0
OM7JG	12/0/7	40/0/11	131/0/23	210/0/31	81/0/18	5/0/4

EUROPE MULTI-OPERATOR SINGLE-TRANSMITTER

*YU5R	4/0/2	77/0/17	151/0/25	233/0/27	59/0/16	4/0/3
DLOCS	0/0/0	29/0/10	155/0/30	206/0/36	22/0/8	0/0/0
UT7AXA	0/0/0	7/0/3	15/0/7	90/0/15	0/0/0	0/0/0
*EA3RCB	0/0/0	0/0/0	4/0/2	37/0/15	2/0/2	3/0/2

EUROPE MULTI-OPERATOR TWO-TRANSMITTER

S51A	44/0/14	133/0/28	355/0/42	384/0/50	138/0/26	15/0/11
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EUROPE MULTI-OPERATOR MULTI-TRANSMITTER

9A1A	102/0/19	201/0/22	391/0/40	528/0/45	225/0/28	58/0/13
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Europe Top Scores Band Breakdowns

Multi-Single

In Multi-Single, the top low power entry YU5R (IV3FSG, YT3PL & YT7AW) had a higher score (62,280 points) than the high power winner DLOCS (DL1VH & DK2OY with 47,712 points).

Multi-2

In the Multi-2 category, the S51A team of S51TC, S51ZJ, S52D, S55KZ, S56B, S57PM and S59MZ blew away the competition with 274,626 points. In second was NA5NN (K2FF & W5UE) in Mississippi with 147,100 points. Third went to another US station, NW8S (KB8O & AB8M) in Ohio with 67,490 points.



S51A won Multi-Two

(sitting, front to back) Sergej S51ZJ and Iztok S52D

(standing left to right) Ziga S55KZ, Matjaz S59MZ, Andreja S56B, Tone S51TC



Glenn K2FF pushing hard



Randy W5UE

2nd Place Multi-Two team at NA5NN



***Doug AB8M & Jay KB8O
operated NW8S for 3rd Place Multi-Two***



***Pansy VR2XYL & Charlie VR2XMT
operated VR2CC for 4th Place Multi-Two***

Multi-Multi

The biggest surprise in multi-op has to be the competition in Multi-Multi. There were several perennial powerhouse Multi-op stations taking part this year. ZW5B (PP5NS, PU2TIB, PU5SIX, PY5CC, PY5EG, PY5EJ and PY5KD) took the win by outdistancing P33W (LZ2HM & Andy Jr.). 9A1A (9A9A, 9A7R, 9A7ROR, 9A4BP and 9A3GZI) was third. K1SFA (K1MK, K1NZ, K1SFA, K1TTT and K2IW) operating from K1TTT in Massachusetts came in fourth. RW0A (RA0AM, RW0AR, RV0AR, R0ACG and RA0AAC) completed the top five.

Club Competition

As with the CQ WW contests, club competition is separated into US clubs and DX clubs (all non-US clubs). 17 US clubs had the minimum 3 logs while 19 DX clubs met the criteria. The Northern California Contest Club (NCCC) mounted a focused effort to do well in the first WW-Digi contest, and it obviously paid off as they were the only club to break a million points with the highest number of logs, 51. The Yankee Clipper Contest Club (YCCC) took second with only 15 logs. Third overall was the Araucaria DX Group (ADXG) who led the DX Club scores.

Potomac Valley Radio Club (PVRC) was fourth, Rhein Ruhr DX Association was fifth and Slovenia Contest Club (SCC) was sixth overall. Congratulations to all the club participation which is summarized in the [Clubs web page](#) on the 2019 [Results web page](#).



SCC awards team: Iztok S52D, Lili and Tine S50A

Awards

Certificates are available for all entrants who submitted their log by the deadline of 2350 UTC on 6 September 2019. For each entry in the Scores Database (<https://ww-digi.com/scores.htm>) there is a certificate link at the right-hand end of the line. The certificate design was done by Lili of the SCC (see photo above).

Lili also created the plaque design for the many plaques sponsored by the gracious supporters of the first WW Digi contest (<https://ww-digi.com/plaques.htm>). Thanks so much to the sponsors and congratulations to the winners! Big thanks to Tine S50A for organizing the certificate and plaque programs and to Iztok S52D for his invaluable contributions to the contest committee.

Nil QSO Penalty removed for 2019

The WW Digi rules state that NIL QSOs are penalized 2 times the equivalent point value. Each good QSO is awarded 1-7 points based upon distance between the Grid Squares of the two QSO partners. If a log has a QSO that is not in the log of the QSO partner, that QSO is deemed a NIL (Not in Log) and 2 times the point value is subtracted from the score of that log. Note that this affects the score by 3 times the point value because instead of getting N points, the log gets -2N points.

This NIL penalty is the same in all CQ WW contests (note the World Wide Digi DX Contest is not sponsored by CQ but is still in the family of WW contests along with CW, SSB and RTTY) in order to encourage participants to try hard to make good QSOs rather than simply logging a questionable contact, e.g., not copying a clear acknowledgement or QSL.

- Problem

WW Digi log checking resulted in large score reductions from the Raw Scores posted on the web site to the final log-checked scores. A number of the final scores were actually negative! The primary cause of these reductions was an abnormally high number of NIL QSOs across most logs.

In CW, SSB and RTTY WW contests, the average NIL rate across all logs is about 1%, but in WW Digi it was 5%, which indicates something is particularly different about FT mode contesting compared to the legacy modes. For reasons not fully understood, FT QSO partners more often disagree about whether a QSO was completed and should be logged, compared to the legacy modes. One side logs the QSO but the other side does not, which results in a NIL penalty for the QSO partner who logged the QSO. This can be due to an operator decision or how the FT software determines whether a QSO is complete.

In the legacy modes, the “fault” for a NIL is most always on the side that logged the QSO. For the FT mode it is not yet clear where the fault is, but in any case, the amount of NILs is abnormally high.

- Solution

During WW Digi log checking the contest committee faced a dilemma. On the one hand, it seemed that we had to apply the rules and just let the scores fall where they may. On the other hand, it is assumed that the vast majority of participants entered in good faith and to enjoy the event. Presenting them with greatly reduced final scores, even negative scores, just didn't seem appropriate. Ultimately, the contest committee decided to waive the NIL penalty. NIL QSOs still receive zero points, but they are not further reduced with the 2x penalty. So, there is still incentive for participants and software developers to learn how to reduce NIL rates in contesting.

Here is a summary of how a QSO is scored:

Good QSO: N points

Dupe QSO: zero points

Incorrect exchange: zero points

NIL QSO: zero points (-2N points in the CQ WW CW/SSB/RTTY contests)

Incorrect ("busted") call: -2N points

Interestingly, busted call signs average about 1% in the legacy modes, but are virtually zero in FT mode contests so far. The primary way a call sign can be busted in an FT contest is manual entry, which seldom occurs. The FT software is renowned for perfect copy, or no copy at all.

Future

Going forward, FT contesting needs to better define how QSO partners can reliably communicate whether a QSO is complete and should be logged. The responsibility resides both with contest participants and FT contest software developers.

A big thank you to everyone who participated to make the first World Wide Digi DX Contest a success. The contest will continue in 2020 and take place on the last full weekend in August. Bjorn, SE0X, may have captured the excitement when he wrote "Wow! This is something completely new in contesting! I see a lot of potential for the World Wide Digi DX Contest to lead development of the future of contesting. With the fast pace of development in digital modes and the rise of live scoring, radiosport has the potential to be attractive as an e-sport to young hams. This can certainly help revitalize ham radio!". We hope you're right, Bjorn. See you in 2020, on 29-30 August.