

Results of the 2022 CQ World Wide WPX SSB Contest

BY BUD TRENCH,* AA3B

“Well, this was my breakout contest of the new cycle! ... Cycle 25, here we go!” – W6QU

“What an absolute joy 15 meters was. There were stations I’d never heard before. Great time, and great contest.” – WI7J

“WPX has become one of my favorites. If it talks, you can work it!” – N7DX

“This was the most on-air fun I had in the past eleven years, and I’ve been operating since 1957. What a hoot” – W2STM

If the 2022 running of the CQWW WPX SSB contest is any sign, then we are in for a wild propagation ride during Cycle 25. Nearly one-third of all contacts were logged on 15 meters, and 10-meter QSOs were up over 400% compared to last year. A summary of the action is provided in *Figure 1*.

While the peak Solar Flux Index in 2022 was up by 175% from 2021, the number of logs received and QSOs verified were down by 17% and 9% respectively, undoubtedly influenced by the Russian invasion of Ukraine. The 2021 results included 548 logs from Russian DXCC entities, Belarus, and Ukraine; this accounts for about half the 2022



ED8W (EA1BP) finished first in the Low Power, Tribander / Single Element (TB-Wires) overlay.

* director@cqwpx.com

Metric	Continent						A11	2021
	AF	AS	EU	NA	OC	SA		
Logs	43	697	2,479	2,011	556	427	6,213	7,276
Operators	57	816	2,970	2,181	680	495	7,199	8,217
DXCC	13	26	54	24	13	15	145	142
Prefixes	22	212	684	541	119	126	1,704	1,962
Reported QSOs By Band (Post Log Checking)								
160M	1	127	10,816	1,922	31	7	12,904	34,758
80M	784	1,765	90,919	39,251	288	1,501	134,508	248,167
40M	3,223	20,302	193,609	137,492	37,028	11,220	402,874	591,199
20M	6,836	28,823	286,952	206,287	20,985	28,758	578,641	899,305
15M	15,478	82,441	217,986	219,716	37,955	47,819	621,395	343,266
10M	12,632	17,627	33,576	70,218	16,390	85,757	236,200	53,004
A11	38,954	151,085	833,858	674,886	112,677	175,062	1,986,522	2,169,699
Average Productivity								
QSOs/Log	906	217	336	336	203	410	320	298
QSOs/Opr	683	185	281	309	166	354	276	264

Figure 1. 2022 activity level summary by continent.

Category	Continent							Average per Entry	
	AF	AS	EU	NA	OC	SA	All	Op Time (Hours)	Score Reduction
Single Op High Power Entries									
All Band	15	157	499	674	82	49	1,476	13	9%
Single Band	5	69	221	100	57	59	511	13	10%
Single Op Low Power Entries									
All Band	11	211	941	882	158	96	2,299	11	10%
Single Band	4	162	377	183	204	172	1,102	8	13%
QRP Entries									
All Band	0	13	56	22	9	5	105	9	11%
Single Band	0	27	72	19	18	15	151	7	15%

Figure 2. Single-Op participants by continent

2022 CQWW WPX SSB TOP SCORES

WORLD

Single Op All Band High Power	YV4EK906,984	Multi-Single Low Power	Tribander / Wires High Power	W9JOE111,699
PJ4K (N6KT)27,353,511	YU5M858,900	HK3RD4,342,170	CQ9T (CT3KN)8,033,674	WZ8P98,150
KP2M (NN3W)20,439,244	Single Op 7 MHz Low Power	Z32ID3,315,956	ZW2N (PY2MNL)8,030,328	Single Op 3.7 MHz High Power
V31XX (K4XS)19,794,390	ED7R (EA7GX)1,633,203	I03F2,887,995	IO6A (IK6QON)5,014,710	ND8DX898,012
KC1XX (NN1C)15,170,455	G8X (G4FJK)1,112,146	ZB2BU2,190,474	WT1A4,034,277	W3BGN496,740
H25A (LZ2HM)14,874,840	SX8V (SV1JG)581,196	9A1CRT2,116,296	MM9I3,887,952	K9ZO250,772
Single Op 28 MHz High Power	Single Op 3.7 MHz Low Power	Multi-Two	Tribander / Wires Low Power	Single Op 1.8 MHz High Power
PX2A (PY2LED)6,859,382	OK6T (OK1WCF)695,409	E110OC28,841,316	ED8W (EA1BP)3,680,849	N7GP7,728
LW1F (LU5FC)6,487,221	SN9B (SQ9OB)497,168	I12S23,839,776	ZF5T (LU8EOT)3,147,300	Single Op All Band Low Power
LO5D (LU9ESD)4,976,580	E7AA (E73AA)298,304	IR6T23,041,216	PA9M1,725,456	KR5X (K1BX)2,700,894
Single Op 21 MHz High Power	Single Op 1.8 MHz Low Power	ED1R21,560,058	EE7E1,645,666	WW2R (N2CEI)2,181,630
ZX5J (PP5JR)11,783,086	OK6Y (OK2PTZ)119,548	ND7K16,915,608	Youth High Power	KQ1F (K1XM)1,690,654
CR3DX (OM3RM)11,205,482	SQ8MFM69,870	Multi-Multi	KC1XX (NN1C)15,170,455	N2SQW1,498,128
TM6M (F4DXW)7,631,405	OK2BRQ14,940	D4Z75,189,590	NT0K (KC1KUG)6,496,256	N3AAA1,393,536
Single Op 14 MHz High Power	Single Op All Band QRP	PJ2T31,830,218	YT0C4,098,870	Single Op 28 MHz Low Power
PP4T (PY4BZ)6,973,018	LY9A852,885	YT5A30,417,686	LY5AX1,942,752	NA4W (K4WI)70,775
S55OO5,134,640	K3WW616,610	NH7T28,254,024	SA6NIA639,004	N3UA44,880
S57DX4,528,907	ND0C399,832	LZ9W28,043,532	Youth Low Power	N3GB40,071
Single Op 7 MHz High Power	LZ1DM387,247	Multi-Distributed	KM4SII1,122,498	Single Op 21 MHz Low Power
SN3A (SP3GEM)6,569,632	DK8R (DL8LR)241,640	IQ4FA14,669,700	9A2ZI834,815	N8II665,112
S51YI5,134,640	Single Op 28 MHz QRP	PR1T5,430,900	YC1LJT169,081	N9TGR261,744
OT2A3,830,015	TI0RC (TI2YO)98,230	PT1K5,184,930	DJ4MX160,686	N3ZA159,828
Single Op 3.7 MHz High Power	PU9YCZ27,750	4A7A3,790,044	VE30MV144,396	Single Op 14 MHz Low Power
ED5R (EA5Z)1,770,003	PY6GOE25,365	ED4W3,009,150	Rookie High Power	NG1R (W1QK)446,490
9A8M (9A7DM)1,639,208	Single Op 21 MHz QRP	Rookie Low Power	IU0OVB3,288,267	NY2A194,580
OK8NM (OM6NM)1,421,280	YB0SSF387,840	VA3IDD1,227,533	AA3R1,692,449	W3NO104,922
Single Op 1.8 MHz High Power	EF3O (EA3O)193,224	PP5KW1,036,836	VE3GJP700,740	Single Op 7 MHz Low Power
S53O196,238	YC1LJT169,081	IU1NKS713,680	DD5VL385,170	NS3T246,456
YL3FT170,586	Single Op 14 MHz QRP	D44PM623,076	EF5T (EA5JDN)216,495	KO3T96,707
S54ZZ165,808	M11M (M10LLG)59,475	M0KYB315,543	UNITED STATES	AB1J17,052
Single Op All Band Low Power	W2VRK47,064	Single Op All Band High Power	KC1XX (NN1C)15,170,455	Single Op 3.7 MHz Low Power
P40L (W6LD)13,745,550	JH7VHZ44,247	KC2M12,918,824	KQ2M12,918,824	K4FTO4,361
CF2Z (VA2CZ)5,405,823	Single Op 7 MHz QRP	AC1U (N1UR)11,394,975	K1LZ10,307,440	WZ6ZZ3,200
WP3C (N2TTA)4,590,718	JA6GCE108,251	K1LZ10,307,440	KT5J (K5TR)9,954,624	Single Op All Band QRP
VE4VT4,110,073	OE3MDB48,477	D44PM623,076	Single Op 28 MHz High Power	K3WW616,610
KP2B (EB7DX)3,923,920	SO55K45,756	M0KYB315,543	KZ5MM (W5PFR)354,295	ND0C399,832
Single Op 28 MHz Low Power	Single Op 3.7 MHz QRP	Classic High Power	W4DD287,375	K2YG199,617
PQ5B (PP5BZ)2,553,600	LY2OU17,017	PJ4R (KK9A)9,967,888	AA1K186,590	W6QU (W8QZA)156,524
PU5FJR2,021,012	Single Op 1.8 MHz QRP	CR6T (CT1ESV)9,111,732	Single Op 21 MHz High Power	K8SMA107,830
CE7VP1,545,360	DL1AOB10,658	WK5T (N2IC)6,871,590	KU2M4,795,371	Single Op 28 MHz QRP
Single Op 21 MHz Low Power	HA1TI8,127	WH7T (WH7W)6,837,244	KR4Z (N4OX)3,498,312	NK4O3,861
KP4PUA2,172,707	YO8WWW2,016	VA2EW6,834,304	K2SSS2,827,368	Single Op 21 MHz QRP
PY5QW1,828,108	Multi-Single High Power	Classic Low Power	AA1K186,590	KG1E56,994
ZV2C (PY2CX)1,750,536	V47T24,741,080	KR5X (K1BX)2,700,894	Single Op 14 MHz High Power	Single Op 14 MHz QRP
Single Op 14 MHz Low Power	FY5KE23,705,507	PY2NY813,232	W10WA (W0EWD)2,711,648	W2VRK47,064
IF9A (IT9WDC)1,473,435	E7DX22,404,187	G9X (M1LCR)737,380	KN2M1,913,994	N4CW27,400
	9A5Y17,455,788	M0PLX/M734,855	KJ4QHL1,855,146	N7SVI6,600
	SP8R16,181,287	N8II665,112	Single Op 7 MHz High Power	
			N9LR302,588	

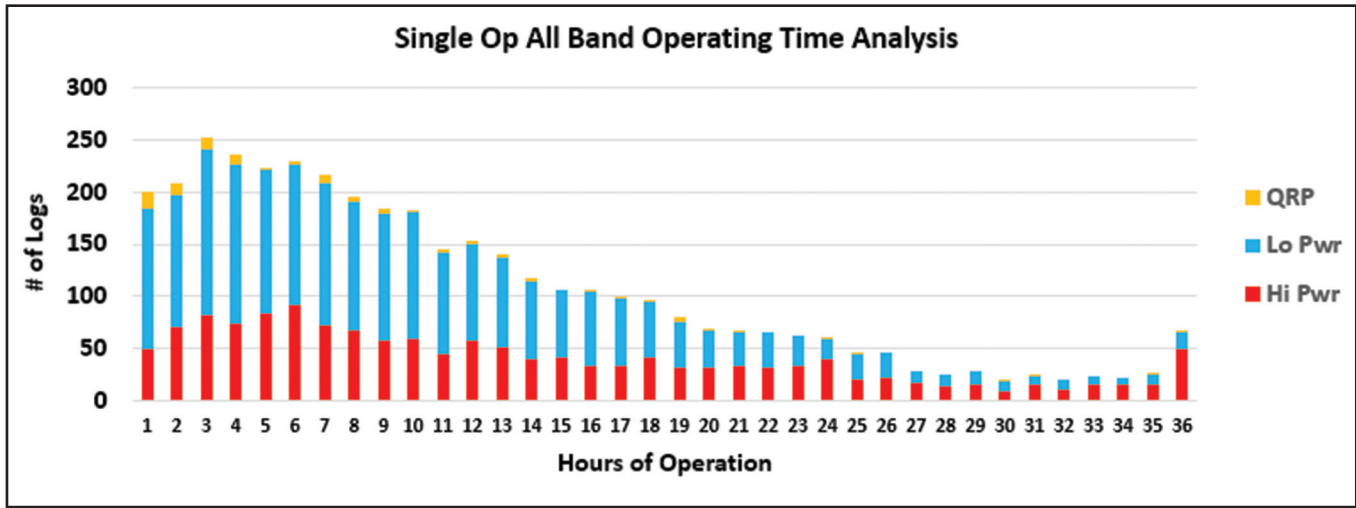


Figure 3. Single-Op All Band operating time histogram

Single Op 7 MHz QRP
 NOZIB2,448

Multi-Single High Power
 KU1CW8,521,194
 KA1ZD5,614,080
 NG3R4,897,896
 ND3D4,345,407
 AG3I3,582,023

Multi-Single Low Power
 WA1F713,592
 NJ1F63,910
 KX4AV37,128
 W8AJT21,854
 W7SU5,490

Multi-Two
 ND7K16,915,608
 K9CT14,385,538
 WW2Y10,763,665
 N7DX8,347,731
 WC6H8,206,957

Multi-Multi
 WX3B20,422,761
 NE1C17,299,692
 NR6O13,314,612
 NE3F3,724,877
 K5LRW45,904

Rookie High Power
 AA3R1,692,449
 W3FR170,568
 KE8SIQ146,952
 N3AML58,496
 KØGYQ34,545

Rookie Low Power
 KI2D115,290
 N3BAS112,761
 WØADL82,899
 WX7V78,490
 K1MWH70,858

Classic High Power
 WK5T (N2IC)6,871,590
 W57X3,971,880
 KD2RD3,080,528
 NJ6G (N7MH @ W6YX)2,332,998
 WU2X (N2QV)2,058,110

Classic Low Power
 KR5X (K1BX)2,700,894
 N8II665,112
 WA3LXD495,600

WA5JMZ451,605
 K5FUV403,048

Tribander / Wires High Power
 WT1A4,034,277
 N3QE3,171,867
 AD5XD3,132,550
 WR2G3,007,917
 K3DNE2,562,564

Tribander / Wires Low Power
 N2SQW1,498,128
 N3AAA1,393,536
 NGØC1,154,044
 K8ZM662,634
 AA8CA642,114

Youth High Power
 KC1XX (NN1C)15,170,455
 NTØK (KC1KUG)6,496,256
 W7AOF13,826
 WWØCJ12,998

Youth Low Power
 KM4SII1,122,498
 W9ADN68,760
 N8AJM2,992
 KO4SGC1,113

EUROPE

Single Op All Band High Power
 CR6K (CT1CJJ)13,798,050
 LZ5R (LZ5DB)12,730,676
 OMØR (OM3GI)11,958,947
 HG3R11,073,412
 IR4M (IK4MGP)10,922,415

Single Op 28 MHz High Power
 IR9W576,312
 E77A521,612
 LZ4TX387,801

Single Op 21 MHz High Power
 TM6M (F4DXW)7,631,405
 DL2ARD6,732,660
 IB9T (IT9BBL)4,502,181

Single Op 14 MHz High Power
 S55OO5,340,657
 S57DX4,528,907
 HA1AH3,343,506

Single Op 7 MHz High Power
 SN3A (SP3GEM)6,569,632

S51YI5,134,640
 OT2A3,830,015

Single Op 3.7 MHz High Power
 ED5R (EA5Z)1,770,003
 9A8M (9A7DM)1,639,208
 OK8NM (OM6NM)1,421,280

Single Op 1.8 MHz High Power
 S53O196,238
 YL3FT170,586
 S54ZZ165,808

Single Op All Band Low Power
 TM3Z (F4DSK)3,891,456
 LY4L3,670,144
 HGØR (HAØNAR)2,174,238
 PA9M1,725,456
 EE7E1,645,666

Single Op 28 MHz Low Power
 EA2LMI218,020
 EA7CVF167,160
 9A9R74,304

Single Op 21 MHz Low Power
 LZ6V1,000,252
 E73ESP (E77FA)402,896
 SP9XCN357,599

Single Op 14 MHz Low Power
 IF9A (IT9WDC)1,473,435
 YU5M858,900
 OL9R (OK6RA)801,060

Single Op 7 MHz Low Power
 ED7R (EA7GX)1,633,203
 G8X (G4FJK)1,112,146
 SX8V (SV1JG)581,196

Single Op 3.7 MHz Low Power
 OK6T (OK1WCF)695,409
 SN9B (SQ9OB)497,168
 E7AA (E73AA)298,304

Single Op 1.8 MHz Low Power
 OK6Y (OK2PTZ)119,548
 SQ8MFM69,870
 OK2BRQ14,940

Single Op All Band QRP
 LY9A852,885
 LZ1DM387,247
 DK8R (DL8LR)241,640
 IZ4AIF219,934
 SO2U (SP2UUU)207,473

Single Op 28 MHz QRP
 YU7ZZ13,760
 IZ8IEV8,976
 EF7W (EC7KW)7,038

Single Op 21 MHz QRP
 EF3O (EA3O)193,224
 ES2MC154,100
 SP7M120,344

Single Op 14 MHz QRP
 MI1M (MIØLLG)59,475
 HF5WIM36,792
 F1AKK33,428

Single Op 7 MHz QRP
 OE3MDB48,477
 SO55K45,756
 G4Y (M6OXO)24,120

Single Op 3.7 MHz QRP
 LY2OU17,017

Single Op 1.8 MHz QRP
 DL1AOB10,658
 HA1TI8,127
 YO8WW2,016

Multi-Single High Power
 E7DX22,404,187
 9A5Y17,455,788
 SP8R16,181,287
 SJ2W14,613,312
 EC5AN11,984,022

Multi-Single Low Power
 Z32ID3,315,956
 IO3F2,887,995
 ZB2BU2,190,474
 9A1CRT2,116,296
 DM5B1,797,818

Multi-Two
 EI1ØØC28,841,316
 I12S23,839,776
 IR6T23,041,216
 ED1R21,560,058
 HG7T16,006,000

Multi-Multi
 YT5A30,417,686
 LZ9W28,043,532
 OT5A18,369,735
 DP7D17,895,600
 LN8W12,204,242

Multi-Distributed
 IQ4FA14,669,700
 ED4W3,009,150
 DL2C2,982,150
 OO4O2,753,610
 ED2R1,523,657

Rookie High Power
 IUØØVB3,288,267
 DD5VL385,170

EF5T (EA5JDN)216,495
 MØNVK176,847
 HA5MIG171,094

Rookie Low Power
 IU1NKS713,680
 MØKYB315,543
 TK4TH293,235
 SN3J (SP3DAT)249,050
 OH8RX239,425

Classic High Power
 CR6T (CT1ESV)9,111,732
 ES6RW5,318,693
 EA4KD3,473,331
 OH1F (OH1NOA)3,441,942
 HG1S (HA1DAE)3,400,544

Classic Low Power
 G9X (M1LCR)737,380
 MØPLX/M (MØPLX/M)734,855
 DL6MRM657,248
 F4FVA340,000
 OM4IK279,174

Tribander / Wires High Power
 IO6A (IK6QON)5,014,710
 MM9I3,887,952
 EA3CI3,165,304
 IK3UNA3,040,112
 HG1A (HA1ZN)2,748,955

Tribander / Wires Low Power
 PA9M1,725,456
 EE7E1,645,666
 PC3T1,597,200
 G4PVM1,054,702
 DO4OD918,048

Youth High Power
 YTØC4,098,870
 LY5AX1,942,752
 SA6NIA639,004
 LY1LB348,492

Youth Low Power
 9A2ZI834,815
 DJ4MX160,686
 DO2YX79,868
 SY8DQX31,824
 SP3GTP16,728

Category	Continent						A11	Average per Entry	
	AF	AS	EU	NA	OC	SA		Op Time (Hours)	Score Reduction
High Power Overlay Entries									
TB-Wires	4	22	101	82	17	12	238	15	8%
Classic	1	21	60	53	16	11	162	14	9%
Rookie	0	2	13	13	1	0	29	11	10%
Youth	0	1	4	4	0	0	9	22	13%
Low Power Overlay Entries (Includes QRP)									
TB-Wires	2	37	144	103	18	24	328	12	8%
Classic	2	65	205	134	44	27	477	9	12%
Rookie	1	21	95	62	29	12	220	10	14%
Youth	0	14	19	7	6	1	47	8	10%

Figure 4. Single-Op overlay participation summary

shortfall. Verified QSOs from Europe and Asia were down nearly 40% as compared to 2021, while all other continents saw increases. We are all hoping that this tragic situation is resolved as quickly as possible.

Single-Operator Highlights

N6KT returned to the revitalized PJ4K station and added Bonaire to the list of locations from which he has won the world in the Single-Op High Power (SO HP) category, achieving a score of 27.3 million (M) points and a new South American record. Second place went to KP2M operated remotely by NN3W with 20.4M points. The inaugural entry in the SO HP category by NN1C using call-sign KC1XX generated the top score USA score of 15.2M points, and perennial contender KQ2M was second in the USA with 12.9M points.

P40L (W6LD) was one of several contest expeditioners able to return to a DX location after a two-year COVID-19 induced hiatus. John battled local noise to score 13.7M points and win the Single-Op Low Power (SO LP) category. Thanks to CF2Z (VA2CZ) for activating another rare prefix from Quebec and congratulations on his second place SO LP finish. KR5X (K1BX) returned to WPX SSB for the first time since 2010 and secured the top USA SO LP score at 2.7M points.

LY9A achieved his second consecutive win of the Single-Op QRP category. The QRP bug has bitten K3WW who was second overall and first in the USA.

The SO HP Single-Band categories were dominated by Brazilians as PP4T (PY4BZ), ZX5J (PP5JR), and PX2A

(PY2LED) were the 20M, 15M, and 10M winners, respectively. SN3A (SP3GEM) notched a third 40M HP win. First time entrant KP4PUA had the highest 15M LP score.

Figure 2 shows the breakdown of Single-Op power levels by continent as well as all band (AB) vs. single band (SB) log counts. LP was the choice of 60% of the SO entrants. SB entries were

2022 CQWW WPX SSB PLAQUE WINNERS AND DONORS

SINGLE OPERATOR ALL BAND

WORLD - High Power: Tom Georgens, W2SC Plaque. Won by: **PJ4K operated by Rich Smith, N6KT**
WORLD - Low Power: Caribbean Contesting Consortium Plaque. Won by: **P40L operated by John Fore, W6LD**
WORLD - QRP: Phil Krichbaum, N0KE Plaque. Won by: **Gediminas Lucinskas, LY9A**

USA - High Power: Alabama Contest Group Plaque. Won by: **KC1XX operated by Marty Sullaway, NN1C**
USA - Low Power: Terry Zivney, N4TZ Plaque. Won by: **KR5X operated by Art Hambleton, K1BX**
USA - QRP: Doug Zwiebel, KR2Q Plaque. Won by: **Charles D. Fulp Jr., K3WW**
USA Zone 3 - High Power: Adrian Ciuperca, KO8SCA Plaque. Won by: **KK6P operated by Paul F Merrill, W7IV**
USA Zone 3 - Low Power: Buz Reeves, K2GL Memorial by Willamette Valley DX Club Plaque. Won by: **NG6O operated by Don Taylor, K6GHA**
USA Zone 4 - High Power: Jerry Rosalius, WB9Z and Val Hotzfeld, NV9L Plaque. Won by: **KT5J operated by George Fremin III, K5TR**
USA Zone 4 - Low Power: Jerry Rosalius, WB9Z and Val Hotzfeld, NV9L Plaque. Won by: **M. Charlie Anderson, NG0C**
USA Zone 5 - High Power: Charles Wooten, NF4A Plaque. Won by: **Robert L. Shohet, KQ2M****

EUROPE - High Power: Dave Siddall, K3ZJ Plaque. Won by: **CR6K operated by Jose Manuel Farto Lopes, CT1CJJ**
EUROPE - Low Power: Richard DiDonna, NN3W Plaque. Won by: **TM3Z operated by Dimitri Cosson, F4DSK**
EUROPE - QRP: Walter Skudlarek, DJ6QT Memorial by Rhein-Ruhr DX Association Plaque. Won by: **Plamen Ivanov, LZ1DM****

AFRICA: Atilano Oms, PY5EG Plaque. Won by: **CQ9T operated by Ricardo Martins, CT3KN**
ASIA: Chris Terkla, N1XS Memorial by Yankee Clipper Contest Club Plaque. Won by: **H25A operated by Andrey Sachkov, LZ2HM**
NORTH AMERICA* - High Power: Martin Huml, OL5Y Plaque. Won by: **KP2M operated by Richard F DiDonna, NN3W**
NORTH AMERICA* - Low Power: Tim Shoppa, N3QE Plaque. Won by: **WP3C operated by Yuri Rakushchynets, N2TTA**
NORTH AMERICA* - QRP: Phil Krichbaum, N0KE Plaque. Won by: **Howard Rosen, VP2V/A2AE**
SOUTH AMERICA: Andrew Faber, AE6Y Plaque. Won by: **PJ4R operated by John Bayne, KK9A****
SOUTHERN CONE (CE CX LU) - Low Power: LU Contest Group Plaque. Won by: **L5SH operated by Diego Andres Dimunzio, LW5HR**
OCEANIA - High Power: Sid Caesar, NH7C Plaque. Won by: **WH7T operated by Mark Gerber, WH7W**
CANADA - High Power: Saskatchewan Contest Club Plaque. Won by: **CJ3A operated by Ron Vander Kraats, VE3AT**
CANADA - Low Power: Paul Cassel, VE3SY Memorial by Contest Club Ontario Plaque. Won by: **CF2Z operated by Pierre Loranger, VA2CZ**
JAPAN: Hamad Alnusif, 9K2HN Plaque. Won by: **Masa Okano, JH4UYB**
ASEAN (3W 9M 9V DU HS V85 XU XW XZ YB) - High Power: Agus Wibisono, YB2TX Plaque. Won by: **E2A operated by Champ C. Muangamphun, E21E1C**
INDONESIA - Any Single-Operator: Anda Yudas, YB6HA1 Plaque. Won by: **Santosa Sunny Ruslie, YB0AGW**

SINGLE OPERATOR, SINGLE BAND

WORLD - 28 MHz: Mamuka Kordzakhia, 4L2M Plaque. Won by: **PX2A operated by Fernando Cordoba, PY2LED**
WORLD - 21 MHz: Stuart Santelmann, KC1F Memorial by W3UA/RA3AA Plaque. Won by: **ZX5J operated by Sergio Almeida, PP5JR**
WORLD - 14 MHz: Lynn Schriener, W5FO Memorial by N5RZ Plaque. Won by: **PP4T operated by Fernando Laguardia, PY4BZ**
WORLD - 7 MHz: Vince Weal, K4JC Plaque. Won by: **SN3A operated by Jerzy Smoczyk, SP3GEM**
USA - 28 MHz: Maurice Schietecatte, N4LZ Plaque. Won by: **KZ5MM operated by Chuck Dietz, W5PR**
USA - 21 MHz: Maurice Schietecatte, N4LZ Plaque. Won by: **Peter Bizlewicz, KU2M**
USA - 14 MHz: Charles Wooten, NF4A Plaque. Won by: **WI0WA operated by Mike Kelly, W0EWD**
USA - 7 MHz: Yankee Clipper Contest Club Plaque. Won by: **Miroslav Kiseacanic, N9LR**
USA - 3.5 MHz: Bernie Welch, W8IMZ Memorial by W3ASW Plaque. Won by: **Karl Brandt, ND8DX**

favoured by participants from South America and Oceania, while AB entries were strongly preferred in North America and Europe.

A study of Figure 3, showing operating times by power levels for the SO AB categories, reveals that about 60% of the operators exited after 12 hours and 90% by 24 hours. This profile is nearly identical to that seen in 2021. There were 66 AB entrants who lasted the full 36 hours along with eight SB entrants.

Contests within the Contest – Overlays

The Single Operator Tribander – Wires (TB-Wires) overlay is intended to allow participants using a triband antenna and single-element antennas for 160 / 80 / 40 meters to compete on a near-level playing field. This overlay was the most popular among SO HP participants and had the smallest average score reduction of any data set analyzed as shown in Figure 4. There was a razor thin difference between winner CQ9T (CT3KN) and runner-up ZW2N (PY2MNL) in the TB-Wires HP overlay;

Figure 5. Noteworthy accomplishments by Youth overlay operators

Youngest Op to Achieve:	Call	Age
>10 Hours of Op Time	BG8INK	8
>100 QSOs	PU5JDA	12
>100,000 Points	VE30MV	12
>1 Meg Points	NT0K (KC1KUG)	16
>10 Meg Points	KC1XX (NN1C)	20
Perfect log (294 QSOs)	DJ4MX	19

their scores differed by only 0.04%. WT1A put in his longest ever WPX SSB effort to win the HP TB-Wire overlay in the USA, followed by N3QE who had won the previous three years. ED8W (EA1BP) and N2SQW were the World and USA LP TB-Wire overlay winners, respectively.

The Classic Overlay is for Single-Ops using one radio, without QSO finding assistance, and their score is based on the first 24 hours of their on-times. This was the LP overlay of choice. PJ4R (KK9A) secured his second consecutive Classic overlay win, on his birthday, by edging out CR6T (CT1ESV). WK5T (N2IC) returned to CQWW WPX SSB for

the first time in 11 years and delivered the #1 Classic overlay score in the USA. Similarly, KR5X (K1BX) was back after 12 years and was the LP Classic overlay world champion; PY2NY was second.

The Rookie overlay is intended to attract new contesters licensed under three years. The top scorers using the Rookie overlay were both in their second year of eligibility. IU0OVV doubled his 2021 score for a win in 2022. Second place overall and first place in the USA went to AA3R. The winner of the LP Rookie overlay was VA3IDD who also set a new Canadian record.

Applause goes out to the Youth On the Air (YOTA) leadership for their rec-

EUROPE - 28 MHz: Chuck Dietz, W5PR Plaque. Won by: **G. Tommaso, IR9W**
 EUROPE - 14 MHz: SJ2W Contest Team Plaque. Won by: **Goran Andric, S5500**
 EUROPE - 3.5 MHz: Ranko Boca, 4O3A Plaque. Won by: **9A8M operated by Igor Ovcin, 9A7DM****

OVERLAY CATEGORIES

WORLD - Tribander/Single-Element: Nate Moreschi, N4YDU Plaque. Won by: **CQ9T operated by Ricardo Martins, CT3KN**
 USA - Tribander/Single-Element: Tom Francis, W1TEF Memorial by Swamp Fox Contest Group Plaque. Won by: **Timothy Bubier, WT1A**
 USA - Tribander/Single-Element Low Power: Alex M Jozsa, KG1E Plaque. Won by: **Ken Goetz, N2SQW**
 EUROPE - Tribander/Single-Element: Angel Turpin, EA5Z Plaque. Won by: **IO6A operated by Francesco Giancola, IK6QON**
 WORLD - Rookie: Val Edwards, W8KIC Memorial by K3LR Plaque. Won by: **Roberto Ursino, IU0OVV**
 USA - Rookie: Bud Trench, AA3B Plaque. Won by: **Fred Tollin, AA3R**
 EUROPE - Rookie: G0CKV, OH1VR, OH2BH, OH2KI Plaque. Won by: **Renato Baiunco, IU1NKS****
 EUROPE - Youth: G0CKV, OH1VR, OH2BH, OH2KI Plaque. Won by: **Janko Mihailovic, YT0C**
 WORLD - Youth: Ukrainian Contest Club Plaque. Won by: **KC1XX operated by Marty Sullaway, NN1C**

MULTI-OPERATOR, SINGLE-TRANSMITTER

WORLD: Latvian Contest Club Plaque. Won by: **V47T operated by K3NM, K5ZD, N2NT**
 WORLD - Low Power: Mike Goode, N9NS Memorial by Hoosier DX and Contest Club Plaque. Won by: **HK3RD operated by HK3JJB, HK3PMC, HK3EA, HK3TU, HK3LCU**
 USA: Steve Bolia, N8BJQ Plaque. Won by: **KU1CW operated by K2PO, KU1CW**
 USA - Low Power: Matt Tatro, NM1C Plaque. Won by: **WA1F operated by WA1F, WA1S**
 EUROPE: Tonno Vahk, ES5TV Plaque. Won by: **E7DX operated by E70T, E74A, E76C, E77DX, E77EA**
 NORTH AMERICA*: Jerry Rosalius, WB9Z and Val Hotzfeld, NV9L Plaque. Won by: **TO3Z operated by FG/F6HMQ, FG/F6GWV****
 ASEAN (3W 9M 9V DU HS V85 XU XW XZ YB): Champ C. Muangamphun E21EIC Plaque. Won by: **7D1C operated by 9A3JH, YB0AR, YD0RGI, YB1EME, YB1FAV, YB1IUQ, YB1NWP, YC1FCC, YD1DSV, YD1EBP, YD1EBQ, YD1IUZ, YD1JSX, YD1KDA, YD1NKL, YE1AA, YF1AJW**

MULTI-OPERATOR, TWO-TRANSMITTER

WORLD: Ken Adams, K5KA Memorial Plaque. Won by: **E1100C operated by EI3JE, EI3JZ, EI3KD, EI4BZ, EI4HQ, EI5GSB, EI5LA, EI6LA, EI7IG, EI8IR, ON4EI**
 USA: Florida Contest Group Plaque. Won by: **ND7K operated by N6WIN, N6MJ, KL9A, W9KKN, W4IX, K7ZO @N6WIN**
 EUROPE: Rich Strand, KL7RA Memorial Plaque. Won by: **II2S operated by IZ2FOS, IK2QEI, IZ2KXC, IK2TDM, IU2IBU, IK2SGC, IK2UJS, IZ2DLV, IZ1ZHG****

MULTI-OPERATOR, MULTI-TRANSMITTER

WORLD: Sid Caesar, NH7C Plaque. Won by: **D4Z operated by G4BVY, G4CLA, GD4XUM, IK2NCJ, IZ4DPV, SQ9D**
 USA: Dale Hoppe, K6UA Memorial Plaque. Won by: **WX3B operated by WX3B, WR3R, WA3AER, N3FZ, W3IDT, NH7C, N8IVN, NY3A, KC3EMA, AK3Z**

MULTI-OPERATOR, DISTRIBUTED

WORLD: Atilano Oms, PY5EG Plaque. Won by: **IQ4FA operated by IU4AZC, IK3AES, IU4FBU, IK4LZH, IU4ICT, IZ4ORO, IZ4COW, IZ4AKO, IZ4VUS, IU4NIZ, IU4NDY, IZ4UEZ**

CONTEST EXPEDITION

WORLD - Contest Expedition: Gail M. Sheehan, K2RED Plaque. Won by: **PJ4T operated by W0CG, K4UEE, K4WK, W4ATL, W5MJ, N7VWH, KG5U, W5GAI, WX4W, W5XU****

* Applies only to North American stations outside the USA and Canada
 **Denotes awarded to runner-up in category



The GT0SP Multi-Single High Power operating team at the Scarlett Point Tower on the Isle of Man.



PV2K (PY2KNK) finished third overall in Brazil in the Single-Op High Power category.



Devanir, PY2SGL, operated 31 hours and finished fourth from Brazil in the Single Op, All Band, Low Power category.



CE1RT finished second in Chile using the 15-meter band in the Single-Op Low Power category.



DV1IWW Multi-Single Low Power station layout, piloted by DV1IWW, 4G1LD, 4G1LDE, DV1VTZ, and DV1TCP to third place in Oceania.



Sebastian, CE4JW, is a proud member of Radio Club Eternautas, operating outdoors!



Oscar, EA7CVF finished second in Europe in the 10-meter Low Power category.

Category	Continent						All	Average per Entry	
	AF	AS	EU	NA	OC	SA		Op Time (Hours)	Score Reduction
Multi Single HP	1	8	55	27	6	10	107	30	11%
Multi Single LP	0	12	38	6	9	6	71	20	14%
Multi Two	1	7	14	20	3	0	45	33	11%
Multi Multi	1	3	13	6	2	4	29	31	10%
Multi Distributed	1	3	9	1	0	2	16	29	13%

Figure 6. Multi-Op participation summary

ommendation to add the Youth Overlay to WPX. This overlay attracted 56 entries, ranging in age from 8 to 25. In addition to achieving the top SO HP score in the USA, contest prodigy NN1C - using the call KC1XX - dominated the Youth overlay. KC1KUG borrowed call-sign NT0K and K1RX's station to place second overall. Two entries in the Youth Overlay were QRV for 36 hours — LY5AX and KC1XX (NN1C). Additional noteworthy accomplishments by Youth overlay operators are celebrated in Figure 5.

Multi-Operator Masters

St. Kitts had been absent from WPX since 2003, but that all changed this year thanks to K3NM, N2NT, and K5ZD. Their V47T efforts resulted in the top Multi-Single HP score of 24.8M and a new North American record. FY5KE was second, and KU1CW was the winner in the USA. The top score in the Multi-Single LP category belongs to HK3RD.

E1100C, commemorating the 100th anniversary of the Irish Free State Constitution Act of 1922, was the top gun in the Multi-Two transmitter class. The crew at ND7K secured their second consecutive victory in the USA at the N6WIN superstation.

D4Z dominated the Multi-Multi category with a score of over 75M points. Second place went to PJ2T at 32M points, achieved by a new crew of operators with widely varying levels of contesting experience. The USA winner and runner up both returned to Multi-Multi operations after a hiatus of several years — WX3B at 20.4M and NE1C at 17.3M.

The 12-member team at IQ4FA leveraged the Multi-Distributed category to win the world, moving up from third in 2021. The members of the PR1T team characterized their effort as small setup

No Reduction		>1000 QSOs		
Call	QSOs	Call	QSOs	Reduction
F4FTA	397	PA9M	1,088	1.7%
W6QU	315	HB9DQL	1,065	1.7%
DJ4MX	294	PX2V (PY2KJ)	2,262	1.9%
LY3CY	260	V55Y (V51WH)	1,638	1.9%
AE5LQ	224	IK3UNA	1,671	2.1%
DL8UV	224	AL2F	1,464	2.3%
IU2JWF	214	KE2D	1,188	2.3%
G4G (G4FZN)	201	TM3Z (F4DSK)	1,759	2.5%
W3AVP	200	WB2ZAB	1,400	2.5%
AC9BJ	186	KR5X (K1BX)	1,575	2.6%

Figure 7. Single-op exemplary accuracy achievements

High Power		Low Power		QRP	
Call	Rate	Call	Rate	Call	Rate
KP2M (NN3W)	288	P40L	209	JT1BV	106
PJ4K (N6KT)	283	WP4SD	184	HZ1LG	94
WP2Z (K9VV)	264	HI8RD	169	DV9IGT	79
KT5J (K5TR)	264	VE4VT	161	K3WW	77
TI7W (N3KS)	263	8P1W	155	EA2AFV	76

Figure 8. Single-Op peak 60-minute rates

among friends that had fun on their way to second place.

Figure 6 shows the breakdown of Multi-Op participation by continent. Half of all Multi-Op stations were from Europe.

Pushing the Performance Envelope

Accuracy is a competitive discriminator that can determine the final rankings. Figure 7 recognizes exemplary accuracy performances. The left two columns provide the Top 10 participants sorted by total QSOs that had ZERO point

reductions after log checking. The right three columns show the Top 10 lowest score reductions achieved by ops working a minimum of 1,000 contacts.

One of the greatest thrills in radiosport is a sustained high-rate run. A review of Figure 8 suggests that CQ Zones 7, 8, and 9 are the places to be if you want to peg the rate meter. Further, a special shout out to the amazing SSB QRP operators who achieved sustained high rates despite the crowded bands.

There were no new world records set in 2022; however 10 new regional



PJ4K (N6KT) on his way to a Single-Op High Power win and new South American record.

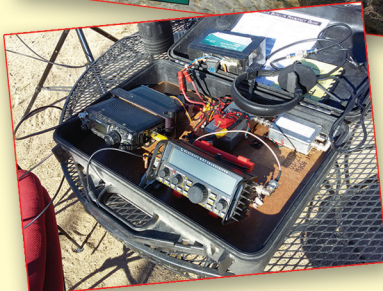
records were achieved as shown in *Figure 9*. Note that several of these records stood for more than 20 years. Please go to www.cqwp.com/records.htm to see all record scores by category in each DXCC entity as well as call districts in the USA, Japan, Russia, and Canada.

CQWW WPX SSB 2022 Reflections

The CQWW WPX Committee continues to benefit from synergies with other CQ sponsored contests, particularly CQWW DX and CQWW WPX RTTY, as well as the infrastructure provided by World Wide Radio Operators Foundation. It is apparent that these synergies and shared infrastructure have been widely leveraged by CQ WPX participants, as the quality of logs and the timeliness of their submittal continues to improve.

The major hurdles that were experienced during the log checking process were twofold. The first area was regarding the Classic Overlay. The use of QSO alerting systems (Assistance) is prohibited for the Classic Overlay; 95 logs were determined to be ineligible for the Classic Overlay because of this concern. The second challenge was out of

CQ 2023-2024 calendars



We have two calendars to choose from this year.

The CQ Ham Radio Operator's Calendar with fifteen spectacular color images relating to amateur radio shacks and antennas from across the country; DXpeditions to exotic places and fellow hams!

The CQ Ham Shack Project Calendar which features fifteen spectacular color images of amateur radio building projects.

These 15-month calendars (January 2023 through March 2024) include dates of important Ham Radio events, major contests and other operating events, meteor showers, phases of the moon and other astronomical information plus important and popular holidays.

Only \$14.95 each or get BOTH for only \$26.95

Plus applicable shipping & handling

CQ Communications, Inc.
<http://store.cq-amateur-radio.com>

Category	Region	New Record		Previous Record		
		Call	Score	Call	Score	Year
Single Op High Power	South America	PJ4K (N6KT)	27,353,511	HC8A (N6KT)	25,180,199	2001
Multi-Single High Power	North America	V47T	24,741,080	VP2EC	24,409,580	1992
Multi-Distributed	Europe	IQ4FA	14,669,700	IQ4FA	12,589,255	2021
40M Low Power	Africa	EA8CZK	357,298	CT3HY	224,961	2018
40M QRP	Asia	JA6GCE	108,251	JA6UBK	99,160	1995
Classic High Power	South America	PJ4R (KK9A)	9,967,888	LU5FC	5,387,382	2021
Classic High Power	Oceania	WH7T (WH7W)	6,837,244	WH7T	2,224,285	2021
Classic Low Power	USA	KR5X (K1BX)	2,700,894	KU1CW	2,116,828	2020
Classic Low Power	Africa	CT3IQ	514,080	EE8K (EA8AV)	422,988	2020
Classic Low Power	Oceania	YC5AKH	383,019	YB8RW	274,200	2021

Figure 9. New regional records

band operation which spawned multiple committee actions including revised logs, warnings, and disqualification.

Finally, stations competing for World, Continent, and USA awards are reminded that they must provide accurate frequencies for all contacts in their logs.

Looking Forward to 2023

This was the third consecutive year in which external events heavily influenced CQWW WPX SSB. COVID-19 stimulated activity in 2020 and 2021 as social distancing and travel restrictions meant that there was not much else to do other than getting on for the contest from home. The response to the Russian invasion of Ukraine by several contest sponsors, including CQ, was unprecedented; this coupled with the situation in Ukraine suppressed 2022 CQWW WPX SSB participation. It is my sincerest wish that the tragedy in Europe is resolved as soon as possible and that the only external influence that will need to be addressed in 2023 is the progress of Cycle 25.

It is with the deepest appreciation that I would like to acknowledge all those who contributed to the 2022 CQWW WPX SSB contest, including 3V8SS, CT1BOH, DL6RAI, EA4KD, ES5TV, F6BEE, I2WIJ, IK2QEI, JK3GAD, K1AR, K1DG, K1EA, K5TM, K5ZD, KM3T, KR2Q, LA6VQ, N8BJQ, OH6LI, OK2FD, PA3AAV, PY2WS, S50A, S50XX, SV1DPI, VE3TM, W0YK, WA7BNM, and YO3JR. It was an honor to work with such an esteemed group of volunteers who are unrelenting in their efforts to serve the radiosport community.

Thanks to all who participated this year, and I look forward to the next running of CQ WPX SSB on March 25th and 26th, 2023.

(Scores on page 96)



Enjoy the hobby that connects people throughout the world...

It's Contest Season!

10 Years running the undisputed choice among top DXers Contesters and DXpeditions

Quality supported by our exclusive 5 Year Warranty on our deluxe "dream edition" headsets.



RS20S-10A Listen-Only \$199
RS60CF-10A Boom-Mic \$309
 (Headset-To-Radio cables for most popular Desktop HF Radios) add \$99- \$109

See our SuperLight Travel Headsets on our Web Site.

See what our users have to say - visit 

radiosport
 headsets
 www.arlancommunications.com

805-504-3944 M-F 10AM-5PM MST (all year around)