

Results of the 2019 CQWW WPX CW Contest

BY TERRY ZIVNEY,* N4TZ



The 80-meter, 4-square antenna at CN2CO is enjoying the Mediterranean beach while Dimitri, RA3CO, is busy operating the contest.

A record number of logs, 4,420, were received from the 41st running of the CQ Worldwide WPX CW contest. Sunspots were missing, but with a lot of sporadic propagation available on the high bands, operators had to make some unexpected strategic choices on the fly. A receiver on a second (or third) band was especially valuable in trying to be at the right place at the right time.

Single-Operator All Band

RA3CO at CN2CO finally ended 8P5A's winning streak, but Tom held off Ken, K6LA, at VY2TT to claim the North American plaque. Kevin, N5DX, traveled to New York to sign NN5J/2 to win the USA plaque. KQ2M/1 and NY4A (N4AF operator) placed and showed, respectively.

The single-operator unassisted low power all band class continues to be the most popular category. CR6K (CT1ILT, op) beat US2YW. KU1CW/7 posted the top USA score from the West Coast station of K2PO. NB4N (N9NB, op) placed second from Virginia, while NA5NN (N4OGW) came in third from Mississippi.

Single-Operator Single Band

About one third of the entries are for a single-band category. Half of those are for 20 meters, which generally offers the most reliable propagation to the most places, even without sunspots. RW7K's new 6 over 6 over 6 at 61 meters really ruled the 20-meter band. WIØWA (WØEWD, op) edged WO2X (N2MM, op) stateside.

email: n4tz@cqwpw.com

Forty meters with its double points for DX contacts produces big scores, too. EF3W (EA3CX, op) led the world, while NQ2F had the top stateside score. Surprisingly, given the non-existent sunspot situation, there were more 10-meter logs submitted than either 15- or 80-meter logs. The highest 10-meter score came from a low-powered station, RAØLQ/MM, who was able to take advantage of all the sporadic-E contacts into Europe. Most of the high scores on both 10 and 15 meters came from Europe, with the exception of PX2A (PY2LSM, op) who was the king of 15 meters.

Single-Operator Assisted

A total of 1,769 single-operator entries reported using QSO alerting assistance. CR3DX (OM3RM, op) led the pack for the top all-band assisted score. NW7R/1 (K1ZZ, op), won the USA crown yet again, beating KO7SS/1.

P4ØW (W2GD, op) repeated as the world-high all band low power assisted score. N3RS gets USA low-power assisted bragging rights.

Single-Operator QRP

There were 321 courageous individuals who used 5 watts or less to make their point(s), 21 more than last year. OK2FD is the world QRP champ, while N7IR retains his title as the USA champ. (see sidebar) IZ8JFL was at the top of the assisted QRP heap.

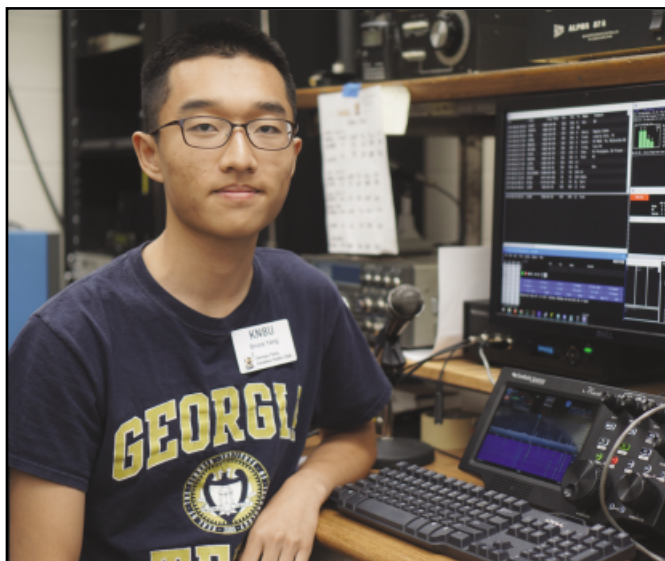
Overlay Categories

The Rookie overlay category was established to encourage recently licensed hams to try the contest experience. This

2019 CQWW WPX CW TOP SCORES

WORLD

Single Op All Band High Power	PY2NY939,135	YT8A (YU1EA)250,782	Single Op 21 MHz QRP	S57M54,720
CN2CO (RA3CO)20,221,548	DLZP839,120	YL2SW241,920	LZ2RS146,010	HB9CPS23,766
8P5A (W2SC)13,501,559	Single Op 7 MHz Low Power	Single Op All Band Low Power Assisted	R7RAG20,280	Multi-Single High Power
VY2TT (K6LA)13,415,685	LY802,237,132	P44W (W2GD)6,539,580	DL3VTL16,851	PJ4G16,247,484
KP2M (KT3Y)12,925,215	RX9AF1,923,662	5B/RN3QQ (RN3QQ)5,910,736	Single Op 14 MHz QRP	LZ5R15,384,110
TM6M (F8DBF)12,408,240	LA2AB (LA7MFA)1,651,320	UZ3A (UX1AA)5,463,878	9A2EY271,167	RL3A15,203,640
Single Op 28 MHz High Power	Single Op 3.5 MHz Low Power	IQ8SN (IZ8FVN)4,699,552	YU1NR170,748	E7DX15,058,149
YT7Z (YU7EE)490,675	S530Q677,790	UT4LW4,542,174	OK1DSA118,776	RU1A14,703,052
C44C (5B4AHJ)453,492	E73B542,932	Single Op 28 MHz Low Power Assisted	Single Op 7 MHz QRP	Multi-Single Low Power
UA5EDQ400,219	OM3ZWA533,645	LZ1NG475,923	EW3M704,668	VP5M7,679,145
Single Op 21 MHz High Power	Single Op 1.8 MHz Low Power	RA6G281,710	IH9/IV3NVN360,446	IB9T6,452,550
PX2A (PY2LSM)2,627,970	F1AKK107,365	UZ1WW256,120	OK60K183,642	DP7D4,845,808
YU0Z (YU1ZZ)1,493,520	UR5FIL55,577	Single Op 21 MHz Low Power Assisted	Single Op 3.5 MHz QRP	Z3M3,850,215
UN9GD768,852	OK1JOK50,605	YO3FRI252,504	YU5YTT303,360	UR6EA3,245,177
Single Op 14 MHz High Power	Single Op All Band High Power Assisted	UN7G243,000	YL3FW104,200	Multi-Two
RW7K6,087,609	CR3DX (OM3RM)17,993,820	TM1W (F5HRV)112,980	UT7XX86,292	OM7M22,868,678
OH8X (OH6UM)5,518,896	EF8R (EA8RM)16,329,543	Single Op 14 MHz Low Power Assisted	Single Op 1.8 MHz QRP	KC1XX20,687,370
S57DX3,813,480	VC2W (VA2WA)10,813,284	FY5KE (F6FVY)3,673,638	HA1TI36,360	K1LZ20,399,578
Single Op 7 MHz High Power	S53MM10,266,508	RU4LM1,071,315	S53AR35,464	LX7I19,171,031
EF3W (EA3CX)5,546,827	SN7Q (SP7GIQ)9,972,400	K1KK (HK1A)980,229	R2FI12,069	P40X19,062,120
EW8W3,929,688	Single Op 28 MHz High Power Assisted	Single Op 7 MHz Low Power Assisted	Single Op All Band QRP Assisted	Multi-Multi
NQ2F2,472,120	DH8BQA690,801	SP6QJE2,717,319	IZ8JFL1,753,180	P33W53,492,648
Single Op 3.5 MHz High Power	LZ8R (LZ3BB)549,134	G8X (G4FJK)2,132,622	E74Y1,479,075	CN3A48,733,405
404A961,290	LY5W491,530	9A7T (9A5MR)1,995,888	RM5F1,366,960	9A1A30,067,992
OM0WR756,324	Single Op 21 MHz High Power Assisted	Single Op 3.5 MHz Low Power Assisted	HG7ZQRP (HA5MA)791,090	LZ9W27,250,500
R5WW477,282	9A5D (9A7Z)1,509,700	OL9R (OK6RA)971,681	S80A (SM0LPO)703,545	OZ5E16,993,672
Single Op 1.8 MHz High Power	RG7M1,114,856	Z0ZX (SP5MXZ)946,008	Single Op 28 MHz QRP Assisted	Rookie
9A2AJ258,934	OK5ZZ814,592	LZ33E (LZ5XQ)758,030	UW8SM118,845	Single Op All Band High Power
LY5BC (LY4T)209,483	Single Op 14 MHz High Power Assisted	Single Op 1.8 MHz Low Power Assisted	ON9EEE97,944	KN8U2,329,164
LY2NK193,980	S573G (S56M)5,566,752	LY4ZZ (LY2BMX)208,080	YO8WW93,240	CJ7DZO (VE7DZO)2,241,195
Single Op All Band Low Power	YT3X5,204,822	UW1U31,707	Single Op 21 MHz QRP Assisted	UW7EA1,526,676
CR6K (CT1ILT)5,820,416	OM0M (OM3CGN)4,879,672	GX4MBC (G4BWP)24,062	LZ60 (LZ3DX)486,576	OT5K239,856
US2YW5,309,073	Single Op 7 MHz High Power Assisted	Single Op All Band QRP	HG3IPA99,072	WZ1Y196,912
MU2K (RL5D)4,320,979	TM0R (F4DXW)7,116,948	OK2FD1,764,070	G4MBC (G4BWP)48,888	Single Op 7 MHz High Power
I13W (IK3QAR)4,166,393	SN3A (SP3SLA)6,799,456	MM3AWD1,178,268	Single Op 14 MHz QRP Assisted	NT2DR244,347
R8CT3,941,632	SN2M (SP2XF)5,953,085	DF5RF1,111,550	YL2BJ258,780	Single Op All Band Low Power
Single Op 28 MHz Low Power	Single Op 3.5 MHz High Power Assisted	UR5FEQ815,500	LZ8U (LZ2TU)228,641	R9CX641,240
RA0LQ/MM653,976	HG8K (HA8GY)1,383,533	UX2MF747,201	LY2OU159,120	NT0K605,085
UA6AK346,764	OL3Z (OK1HMP)1,345,024	Single Op 28 MHz QRP	Single Op 7 MHz QRP Assisted	R1ZM548,142
UR7EN130,659	EU4E1,245,909	DJ2RG80,880	ON3DI583,193	NG3A460,850
Single Op 21 MHz Low Power	Single Op 1.8 MHz High Power Assisted	Y08BSE18,120	OK6K (OK5IM)317,832	R2PU349,272
YT9W788,028	HG0R (HA0NAR)390,915	DL2TM15,504	HA4FY244,404	Single Op 21 MHz Low Power
9A3IH575,292	Single Op 7 MHz Low Power	Single Op 1.8 MHz QRP Assisted	Single Op 14 MHz QRP Assisted	YD8UYJ5,984
LZ9V423,192	YG0R (HA0NAR)390,915	OL1A103,115	YL28J258,780	PY2XRP3,549
Single Op 14 MHz Low Power			LZ8U (LZ2TU)228,641	Single Op 14 MHz Low Power
SN5F951,160			LY2OU159,120	IU1LCU409,200
			Single Op 7 MHz QRP Assisted	Single Op 7 MHz Low Power
			ON3DI583,193	YF0TUR20,956
			OK6K (OK5IM)317,832	
			HA4FY244,404	
			Single Op 3.5 MHz QRP Assisted	
			OL4W (OK1IF)314,404	
			S51Z191,722	
			EE3X (EA3KX)186,904	



Bruce, KN8U, the World Rookie champ, operating from the well-equipped Georgia Tech ARC station, W4AQL.



David, VE7DZO, age 15 operated under the SOAB HP category with the Rookie overlay using the callsign "CJ7DZO" from his home QTH in Prince George, BC. His station consisted of an 80-meter inverted-V at 100 feet, a 2-element 40-meter Yagi at 70 feet, a 4-element 20-meter Yagi at 60 feet, and a 2-element 15-meter Yagi at 45 feet. David was first licensed at the young age of 13 in late 2017. He is very passionate about CW and hopes to encourage more youth to embrace the hobby.

Tribander/Single Element	
Single Op All Band High Power	
R8TT	7,350,112
YT6W	6,669,390
EW5Z (EU1A)	6,404,262
R4RR	5,861,106
RT9S	5,528,299

Single Op 28 MHz High Power	
LY5W	491,530
S53V	344,706
UA3RU	89,414

Single Op 21 MHz High Power	
OK5Z	814,592
LZ19CC (LZ1CL)	680,582
JA1BPA	95,410

Single Op 14 MHz High Power	
I2ZFLX	1,502,550
I03X	1,368,820
EU1DX	815,556

Single Op 7 MHz High Power	
EW8W	3,929,688
I2IFT	3,087,377
KT4RR (W5MX)	1,211,870

Single Op 3.5 MHz High Power	
EU4E	1,245,909
LY4G	675,602
ES3VI	521,066

Single Op 1.8 MHz High Power	
HG0R (HA0NAR)	390,915
9A2AJ	258,934
YT8A (YU1EA)	250,782

Single Op All Band Low Power	
UT4LW	4,542,174
9A1AA	3,971,943
UW7LL	3,690,115
Y03APJ	3,304,594
PC3T	3,111,922

Single Op 28 MHz Low Power	
UZ1WW	256,120
HG8C	208,494
R3LC	82,490

Single Op 21 MHz Low Power	
SF6W (SM6EWB)	112,992
EF8P	98,260
JF3BFS	49,800

Single Op 14 MHz Low Power	
DL9ZP	839,120
IZ8EFD	732,780
CE3AA (XQ4CW)	474,352

Single Op 7 MHz Low Power	
YU1A (YU1RA)	1,203,930

DL5KUD	823,480
S57X	635,904

Single Op 3.5 MHz Low Power	
OL9R (OK6RA)	971,681
3Z0X (SP5MXZ)	946,008
S57KM	722,250

Single Op 1.8 MHz Low Power	
S57M	54,720
HA1TI	36,360
YO2AQB	20,181

UNITED STATES

Single Op All Band High Power	
NN5J (N5DX @N2QV)	10,905,128
KQ2M	8,255,728
NY4A (N4AF)	7,941,000
WC1M	7,426,729
AA3B	7,339,068

Single Op 28 MHz High Power	
NA4W (K4WI)	50,974

Single Op 21 MHz High Power	
K4OAO	441,322

Single Op 14 MHz High Power	
WI0WA (W0EWD)	2,408,516
W02X (N2MM)	2,359,296
W4NZ	1,422,596

Single Op 7 MHz High Power	
NQ2F	2,472,120
K5RX	1,521,450
KT4RR (W5MX)	1,211,870

Single Op 3.5 MHz High Power	
K7XC	95,200

Single Op All Band Low Power	
KU1CW	3,345,120
NB4N (N9NB)	3,145,923
NA5NN (N4OGW)	3,002,060
KQ1F (K1XM)	2,786,198
KS9K (N4TZ)	2,523,036

Single Op 28 MHz Low Power	
KN4Y	31,623

Single Op 21 MHz Low Power	
KZ5J	42,350

Single Op 14 MHz Low Power	
WB4TDH	589,050
N5JJ	423,225
NJ3K	231,308

Single Op 7 MHz Low Power	
KA1IS	1,397,400

KM4FOC (WA1FCN)	743,142
W2EG	602,667

Single Op 3.5 MHz Low Power	
K9UIY	47,064
K5CAO	37,403
KU1N	16,200

Single Op All Band High Power Assisted	
NW7R (K1ZZ)	8,460,807
KO7SS	7,954,652
WK1Q (K1MK @K1TTT)	4,998,510
N3QE	4,709,420
K3WW	4,160,007

Single Op 28 MHz High Power Assisted	
AA1K	3,150
N6SS	2,508
W3IP	2,091

Single Op 21 MHz High Power Assisted	
K8IA	110,170
N7BV	14,924

Single Op 14 MHz High Power Assisted	
WW4R (N4ZZ)	2,762,320
WB9Z	2,734,963
W0RIC (W4IX)	2,152,377

Single Op 7 MHz High Power Assisted	
AC5O (N8OO)	5,380,515
W9PA	1,123,848
K9OM	1,017,212

Single Op 3.5 MHz High Power Assisted	
W3NO	217,218
N9GB	86,523
ND9G	67,894

Single Op 3.5 MHz High Power Assisted	
NM1JY	11,999

Single Op All Band Low Power Assisted	
N3RS	4,095,774
NE9U	2,017,500
N4XL	1,657,435
N4ZR	1,114,958
NU4E	1,070,399

Single Op 14 MHz Low Power Assisted	
K1KK (HK1A)	980,229

N3HCN	336,896
K8YE	78,144

Single Op 7 MHz Low Power Assisted	
AA4NP	352,692
WK9U	176,144
AE7AA	124,146

Single Op 3.5 MHz Low Power Assisted	
K3TW	55,062
N3HEE	54,944
AB1J	22,188

Single Op 1.8 MHz Low Power Assisted	
K1NZ	2,232

Single Op All Band QRP	
N7IR	483,973
W7YAO	255,285
W6OU (W8QZA)	185,484
W6JTI	164,475

Single Op 14 MHz QRP	
WE6EZ	53,464
N0LY	32,805

Single Op All Band QRP Assisted	
K8ZT	215,049
NE6M	63,840
W4QO	57,200

Single Op 28 MHz QRP Assisted	
K2GMY	1,050

Single Op 7 MHz QRP Assisted	
W4ER	3,956

Multi-Single High Power	
NW1P	10,940,086
N4WW	7,867,320
NU7Y	4,692,160
KU7T	4,234,576
KZ7X	4,126,881

Multi-Single Low Power	
W3LL	2,823,040
WE5P	167,900
W1FM	160,284

Multi-Two	
KC1XX	20,687,370
K1LZ	20,399,578
K9CT	11,895,975
KN7NV	10,387,104
WF7T	8,480,675

Multi-Multi	
NR4M	16,422,360
NR6O	8,365,440

W7RN	3,490,032
KU6W	2,522,208

Rookie	
Single Op All Band High Power	
KN8U	2,329,164
WZ1Y	196,912
WV4P	127,308

Single Op 7 MHz High Power	
NT2DR	244,347

Single Op All Band Low Power	
NT0K	605,085
NG3A	460,850
A16PW	112,519
AA0O	60,450
K6BFL	52,080

Tribander/Single Element	
Single Op All Band High Power	
N3QE	4,709,420
K3MD	3,800,808
N6AR	2,961,927
WN1GV (N4BP)	2,959,704
K3WJV	2,916,724

Single Op 14 MHz High Power	
WZ7ZR (W7ZR)	797,181
KM4HI	300,050
KD6X	70,844

Single Op 7 MHz High Power	
KT4RR (W5MX)	1,211,870
N6MA	1,038,880
K9OM	1,017,212

Single Op All Band Low Power	
NE9U	2,017,500
N4ZR	1,114,958
NU4E	1,070,399

Single Op 14 MHz Low Power	
N5JJ	423,225
N3HCN	336,896
NJ3K	231,308

Single Op 7 MHz Low Power	
W2EG	602,667
W2AAB	410,970
K3JT	229,376

Single Op 3.5 MHz Low Power	
N3HEE	54,944
AB1J	22,188
WA7NWL	11,760



Sergey, R8TT, operated SO2R to win the world high Tribander / Single-Element plaque.

year, 56 entries checked this overlay category. About half of the Rookies entered an assisted category with most choosing to use low power. KN8U won the Rookie plaque with an all-band high power effort. CJ7DZO was right on his heels.

The Tribander / Single-Element overlay category was established to recognize that many stations face space constraints for antennas, and 751 entrants selected this overlay. R8TT again posted the world high score. N3QE repeated as the leader among the USA Tribander / Single-Element competitors. UT4LW had the highest low-power TB / wires score. NE9U paced the USA low-power group.

Multi-Operator

With the African and Asian multi-operator stations vacating the Multi-Single category this year, it seemed that a European station might finally win it. Alas, PJ4G managed to work enough multi-point, 40-meter QSOs to offset the huge numbers of short-skip QSOs made among the Europeans. A group of Tennessee hams won the USA crown by remotely operating NW1P in Maine. VP5M again won the plaque in the multi-single low power category, this time beating out

IB9T. W3LL was the top USA low power score.

OM7M triumphed in the Multi-Two category. KC1XX edged out K1LZ to take the USA plaque. The Multi-multi class also had a new champion, P33W, with the CN3A team finishing



Uli, ZR2A served as a Referee at the 2018 World Radiosport Team Championship in Wittenberg, Germany. He hopes to be a competitor in the 2022 event in Italy. He operated at ZS4TX's QTH with an ICOM 7800 at 500 watts, Optibeam OB12-4, a full-size 80-meter vertical, and a dipole for 160 meters. (Credits: antenna photo by Bernie, ZS4TX; Uli's photo by Carsten, DM9EE)

second. NR4M was the top USA station, sixth place worldwide.

Club Competition

Nearly a third of the total points in the contest were unclaimed by any club.

The Bavarian Contest Club defended its club title while the Russian Contest Club edged out the Croatia Contest Club as runner up DX club. The Yankee Clipper Contest Club edged past the Potomac Valley Radio Club to retain the USA title, despite the much larger number of stations fielded by the PVRC.

Records

There were no single-operator records set this year, but two multi-multi teams set new continental marks. P33W set a new Asian record while CN3A has the new African record. Congratulations to all of those involved. Records for all of

the various categories and countries can be found at <www.cqwp.com/records.htm>.

Searchable Databases

You can use the searchable score database at <www.cqwp.com/scores/cw.htm> to process even more information about this contest. For example, although you may think there is relatively little competition in the less-populated (at least by hams) parts of the world, the Oceania single-operator race featured four scores between 4.88 million and 5.08 million points. Wily veteran N6TJ operating as KH7M barely edged out VK6LW, 9M6NA, and VK2IA.

You can also see the competitors' logs at <www.cqwp.com/publiclogs>. In conjunction with software such as SH5 Contest Log Analyzer by

2019 CQWW WPX CW PLAQUE WINNERS AND DONORS

SINGLE OPERATOR ALL BAND

WORLD: Steve Bolia, N8BJQ Plaque. Won by: **CN2CO** operated by Dimitri Kryukov, RA3CO
WORLD Low Power: Caribbean Contesting Consortium Plaque. Won by: **CR6K** operated by Filipe Lopes, CT1ILT
WORLD QRP: Bill Parker, W8QZA Plaque. Won by: **Karel Karmasin, OK2FD**

USA: Dennis Motschenbacher, K7BV Plaque. Won by: **NN5J** operated by Kevin R Stockton, N5DX
USA Low Power: Ken Boasi, N2ZN Plaque. Won by: **Alex Tkatch, KU1CW**
USA QRP: John T. Laney, K4BAI Plaque. Won by: **Gary Hembree, N7IR**
USA Zone 3 High Power: Northern California Contest Club Plaque. Won by: **NO6T** operated by Axel W. Bruderer, K16RRN
USA Zone 3 Low Power: Arizona Outlaws Contest Club Plaque. Won by: **Willie L Baber, WJ9B**
USA Zone 4 High Power: Jerry Rosalius, WB9Z and Val Hotzfeld, NV9L Plaque. Won by: **NU5A** operated by Dennis Alexander, K5GN
USA Zone 4 Low Power: Jerry Rosalius, WB9Z and Val Hotzfeld, NV9L Plaque. Won by: **NA5NN** operated by Torsten Clay, N4OGW
USA Zone 5 High Power: Steve Narducci, W9SN Plaque. Awarded to: **Robert Shohet, KQ2M1***

EUROPE High Power: Ivo Pezer, 5B4ADA/9A3A Plaque. Won by: **TM6M** operated by Sebastien Le Gall, F8DBF
EUROPE Low Power: Vitor Santos, PY2NY Plaque. Awarded to: **Slava Zhuk, US2YW***
EUROPE QRP: Bruce Olney, WY7N Plaque. Awarded to: **Scott Mcleman, MM3AWD***

AFRICA: Chris Terkla, N1XS Plaque. Awarded to: **Ricardo Martins, CT3KN***
ASIA: Rick Tavan, N6XI Plaque. Won by: **UP0L** operated by Victorovich Vinichenko, UN9LW
NORTH AMERICA: Louisiana Contest Club Plaque. Awarded to: **8P5A** operated by Tom Georgens, W2SD
NORTH AMERICA Low Power: Dick Green, WC1M Plaque. Won by: **Reinaldo Rodriguez Guzman, CO6RD**
NORTH AMERICA QRP: Dale Martin, KG5U Plaque. Won by: **Oswaldo Hernandez Cutiño, CO8OH**
OCEANIA High Power: Lloyd Cabral, KH6LC Plaque. Won by: **KH7M** operated by Jim Neiger, N6TJ
OCEANIA Low Power: Wes Printz, W3SE/ZL3TE Plaque. Won by: **Xenia Berger, ZL4YL**
SOUTHERN CONE (CE, CX, LU) Low Power: LU Contest Group Plaque. Won by: **Alejandro Cozzi, LU5WW**
CANADA High Power: Radio Amateurs of Canada (RAC) Plaque. Won by: **VY2TT**, operated by Ken Widelit, K6LA
CANADA Low Power: Contest Club Ontario Plaque. Won by: **Serge Bertuzzo, VA3SB**
JAPAN: Wes Printz, W3SE/ZL3TE Plaque. Won by: **Katsuhiko Kondou, JE6RPM**

SINGLE OPERATOR, SINGLE BAND

WORLD 28 MHz Low Power: Six Stars Contest Station LS1D Plaque. Won by: **Dmitry Slezko, RA0LQ/MM**
WORLD 14 MHz: Gene Walsh, N2AA Plaque. Won by: **Andy Kotovsky, RW7K**
WORLD 7 MHz: LZ2RF Memorial (OR2F sponsor) Plaque. Won by: **EF3W**, operated by Ariel Vazquez, EA3CX
WORLD 3.5 MHz: Ranko Boca, 4O3A Plaque. Won by: **Dragan Djordjevic, 4O4A**
WORLD 1.8 MHz: Dusko Dumanovic, ZL3WW Plaque. Won by: **Tomislav Polak, 9A2AJ**

USA 21 MHz: Charlie Wooten, NF4A Plaque. Won by: **Fritz Reuning, K4OAQ**
USA 14 MHz: Kansas City DX Club Plaque. Won by: **WI0WA**, operated by Mike Kelly, W0EWD
USA 7 MHz: Darin Divinia, WG5J Plaque. Won by: **NQ2F**, operated by John F. Bagno, KD2RD
USA 3.5 MHz: Wes Printz, W3SE/ZL3TE Plaque. Won by: **Tim Marek, K7XC**

EUROPE 3.5 MHz: Ranko Boca, 4O3A Plaque. Awarded to: **Peter Galanda, OM0WR***

SINGLE OPERATOR ASSISTED

WORLD: D4C Monteverde Contest Team Plaque. Won by: **CR3DX**, operated by Tibor Ferenc, OM3RM
USA: Ron Sigismonti, N3RS Plaque. Won by: **NW7R/1**, operated by Dave Sumner, K1ZZ
USA Zone 4: Jerry Rosalius, WB9Z Plaque. Won by: **KD5DD**, operated by Gary Van Winkle, K5KU
EUROPE: Martin Huml, OL5Y Plaque. Won by: **Matija Brodnik, S53MM**
ASIA: Rafal Dunal, SQ6CNN Plaque. Won by: **4X7R**, operated by Zvi Stessel, 4X6FR
OCEANIA: Sid Caesar, NH7C Plaque. Won by: **Rob Van Geen, NH6V**

UA4WLI, you can see how Alex, KU1CW, used the propagation to his West Coast location to his benefit against the East Coast station NB4N, the Gulf Coast station NA5NN, and the Midwest black hole station of KS9K.

Miscellaneous Statistics

Low-power entries were submitted by 2,172 single operator stations while 1,541 used high power and 321 went QRP, similar proportions from a year ago. Overall, unassisted operation continues to be favored by a majority of the single operators, 2,265 to 1,769. High-power stations favored assisted (861 vs. 680) while low-power operators continue to overwhelmingly endorse the “boy and his radio” style of operation (1,378 unassisted vs. 794 assisted) and the QRP ops voted 207 to 114 for the unassisted style of operation. The pro-

portions of operators making these various “style” choices were very similar to those in the SSB weekend.

Final Observations

Unfortunately, a number of stations continue to submit their logs after the five-day deadline spelled out in the rules. Some of these would have won certificates and plaques. Logs received after the official deadline are shown in italics in the line scores and are not eligible for any awards. Please help get the word out to your friends and competitors.

Speaking of rules, be sure to check before the contest for updates and revisions. A summary of the rules will be published in CQ with a link to the complete rules published on our contest website: <www.cqwp.com>.

There are a number of volunteers who make running and reporting the contest

CANADA: Tom Haavisto, VE3CX Plaque. Won by: **VC2W, operated by Victor Androsov, VA2WA**
CHINA: LZ9W Contest Team Plaque. Won by: **Yan Bing, BA8BA**

OVERLAY CATEGORIES

USA Tribander/Single-Element: Joe Miller, KJ8O Plaque. Won by: **Tim Shoppa, N3QE**
Europe Tribander/Single-Element: Matija Brodnik, S53MM Plaque. Won by: **Mladen Bogdanov, YT6W**
WORLD Rookie: Val Edwards W8KIC Memorial (K3LR sponsor) Plaque. Won by: **Zhenhao Yang, KN8U**
NORTH AMERICA Rookie: Chris Kantarjiev, K6DBG Plaque. Awarded to: **CJ7DZO, operated by David Samu, VE7DZO***

MULTI-OPERATOR, SINGLE-TRANSMITTER

WORLD: Walter Skudlarek, DJ6QT memorial by Rhein-Ruhr DX Association Plaque. Won by: **PJ4G operated by W1MD and K2NG**
WORLD-Low Power: Mike Goode, N9NS Memorial by Hoosier DX and Contest Club Plaque. Won By: **VP5M operated by K4QPL, K4BAI, K2SX, and KK4R**
USA: Phil Allardice, KT3Y Plaque. Won by: **NW1P operated by W9SN, AA4CF, VE7ZOm and W9RNY**
EUROPE: YO3CTK Memorial by Andy Ruse YO3JR/YR1A Plaque. Won by: **LZ5R operated by LZ1JZ, LZ1NK, LZ1RGT, LZ1UK, LZ1YQ, LZ1ZF, LZ2PL, LZ2XA, LZ3ND, LZ3ZZ, LZ4UX, LZ5DB, and Z36W**
EUROPE-Low Power: LZ2PO Memorial by LZ9W Contest Team Plaque. Won by: **IB9T operated by IK2WAD, IT9BLB, IT9CLN, IT9EJW, IT9GAC, IT9RZU, and IT9VDQ**
NORTH AMERICA: Rich Strand, KL7RA Memorial Plaque. Awarded to: **ZF1A operated by AC6T and N5DO***
CHINA: Andrey Sachkov, LZ2HM Plaque. Won by: **BD7DT operated by BA4MY, BD7DX, BG7AJH, and BG7DOD**

MULTI-OPERATOR, TWO-TRANSMITTER

WORLD: UA1DZ Memorial (W3UA Sponsor) Plaque. Won by: **OM7M operated by LY3X, OK2BFN, OM2KI, OM3PA, OM5RM, OM5RW, and OM5ZW**
USA: Florida Contest Group Plaque. Won by: **KC1XX operated by KC1XX, K1CC, K1QX, K1TR, KM1P, KM3T, NN1C, W1FV, W2RQ, and WA1Z**
EUROPE: Tom Georgens, W2SC Plaque. Awarded to: **LX7I operated by DL3BPC, DL5KUT, DL5SE, PC5A, and YU7EF**

MULTI-OPERATOR, MULTI-TRANSMITTER

WORLD: Steve Merchant, K6AW Plaque. Won by: **P33W operated by LY4AA, LZ2HM, 4Z5LA, UT5UDX, RA2FA, R4FO, UA4FER, RW4WR, and RA3AUU**
USA: Mori Young KR5V Memorial (Ralph Bowen, N5RZ sponsor): Won by: **NR4M operated by K4QS, KG3V, K7SV, N3AC, KN4DEB, KC4D, WØIMD, N1RM, WS6X, NY3A, WN4AFP, NR4M, N2YO, K4GMH, N3AIU, N3UA, K4GM, and KA4RRU**
EUROPE: Jeff Demers, N1SNB Plaque. Awarded to: **9A1A operated by 9A5W, 9A9A, 9A7R, 9A6A, 9A5E, 9A2EU, 9A8A, 9A4WW, 9A7RA, and 9A3SMS**

CONTEST EXPEDITION

WORLD: Phil Goetz, N6ZZ Memorial by Paul Goetz Trophy. Won by: **S79HA operated by Laszlo Kiss, HA7JTR**

COMBINED AWARDS

WORLD Single Operator Combined Score: (SSB and CW) Yuri Blanarovich, K3BU Plaque. Won by: **CN2CO operated by Dimitri Kryukov, RA3CO**
USA Single Operator Combined Score: (SSB and CW) Bill Fisher W4AN Memorial Plaque (KM3T Sponsor). Won by: **Kevin R Stockton, N5DX**
WORLD Single Operator Combined Prefixes: Norm Koch, WN5N Memorial by Gail M. Sheehan, K2RED Plaque. Won by: **CN2CO operated by Dimitri Kryukov, RA3CO (2,490 total)**
CQ WPX Contest Triathlon Award: (Single Operator Combined Score on RTTY, SSB, and CW). Rudy Bakalov, N2WQ Plaque. Won by: **Todd Bendtsen, VE5MK (20,995,552 points, 7,766 QSOS)**
WORLD Club Score: CQ Magazine Plaque. Won by: **Bavarian Contest Club, 284,798,492 points**

**Denotes awarded to runner-up in category*

CLUB SCORES

UNITED STATES

Club	# Entrants	Score
Yankee Clipper Contest Club	104	177,578,325
Potomac Valley Radio Club	179	163,044,999
Northern California Contest Club	125	130,967,035
Frankford Radio Club	85	114,818,502
Society Of Midwest Contesters	81	64,460,423
Florida Contest Group	50	55,696,340
Southern California Contest Club	46	50,074,355
Arizona Outlaws Contest Club	56	48,539,796
Tennessee Contest Group	35	40,104,959
Central Texas DX And Contest Club	27	34,376,533
North Coast Contesters	15	25,359,731
Western Washington DX Club	33	24,935,827
Willamette Valley DX Club	32	21,793,309
Alabama Contest Group	23	18,263,658
Georgia Contest Group	14	15,081,573
South East Contest Club	23	14,823,721
Mad River Radio Club	20	14,216,902
Minnesota Wireless Assn	45	11,822,248
Grand Mesa Contesters Of Colorado	18	11,629,707
Dfw Contest Group	21	8,674,537
Kentucky Contest Group	14	7,765,071
Deep Dixie Contest Club	11	6,873,115
CTRI Contest Group	6	5,681,663
Swamp Fox Contest Group	12	4,664,936
Texas DX Society	15	3,213,385
Hudson Valley Contesters And DXers	12	3,107,961
North Texas Contest Club	6	2,937,901
Order Of Boiled Owls Of New York	12	2,544,744
Kansas City Contest Club	9	2,509,468
Northeast Wisconsin DX Assn	7	1,855,645
NE Maryland Amateur Radio Contest Society	13	1,632,606
Carolina DX Association	7	1,626,592
Niagara Frontier Radiosport	15	1,080,030
Big Sky Contesters	6	886,117
Bay Area DXers	4	567,279
Mississippi Valley DX/Contest Club	6	517,137
Metro DX Club	6	500,530
Rochester (Ny) DX Assn	8	490,769
South Jersey Radio Association	5	465,338
North Carolina DX And Contest Club	4	294,279
Idaho DX Association	4	218,539
Spokane DX Association	4	192,948
Pueblo West Amateur Radio Club	4	191,118
Utah DX Association	4	129,813
The Villages Amateur Radio Club	5	101,272
Sterling Park Amateur Radio Club	4	32,125

DX

Club	# Entrants	Score
Bavarian Contest Club	221	284,798,492
Russian Contest Club	60	140,756,988
Croatian Contest Club	32	135,962,603
Ukrainian Contest Club	132	131,876,792
Italian Contest Club	67	123,804,805
EA Contest Club	48	101,798,769
Araucaria DX Group	34	99,237,163
Rhein Ruhr DX Association	107	93,169,435
Contest Club Ontario	57	89,357,599
HA-DX-Club	16	77,448,033
Slovenia Contest Club	32	67,173,415
Kaunas University Of Technology Radio Club	55	55,071,305
Belarus Contest Club	25	54,786,947
Contest Club Serbia	47	48,612,986
Clipperton DX Club	19	48,326,030
Vytautas Magnus University Radio Club	19	45,569,217
SP DX Club	35	45,092,124
Contest Club Finland	30	42,740,684
Ural Contest Group	25	40,155,020
LU Contest Group	29	37,394,983
Latvian Contest Club	30	33,419,459
LA Contest Club	10	28,484,510
Belokranjec Contest Club	10	27,400,669
Maritime Contest Club	10	25,548,048
Contest Group Du Quebec	8	22,701,328
VK Contest Club	18	22,353,727
Rio DX Group	32	20,251,632
Crows Contest Team	5	16,563,312
Thracian Rose Club	39	13,939,017
Orca DX And Contest Club	20	12,977,655
Catalonia Contest Club	15	12,628,676
Lithuanian Contest Group	6	12,292,869

Club	# Entrants	Score
Russian CW Club	29	11,848,033
UA2 Contest Club	13	10,971,163
Riihimaan Kolmoiset	4	10,848,789
Csta Suceava	5	10,294,906
West Serbia Contest Club	8	9,695,809
Vrhnika Contesters	5	8,961,938
Guara DX Group	15	8,951,987
RCC	11	8,793,799
Ce Contest Group	6	7,903,473
South Ural Contest Club	13	7,601,690
Csa Steaua	4	7,470,957
YB Land DX Club	85	7,441,880
Gipanis Contest Group	10	7,289,069
ARCK	12	7,187,890
Danish DX Group	13	6,462,515
RSGB Contest Club	5	5,934,318
Arktika	13	5,422,549
Interest Group Rtty	4	4,515,532
World Wide Young Contesters	12	4,472,996
Radiosport Manitoba	5	4,378,901
Central Siberia DX Club	5	3,741,352
599 Contest Club	6	3,672,404
Tartu Contest Team	4	3,286,118
Siam DX Group	15	2,919,173
Alrs St Petersburg	7	2,677,020
Black Sea Contest Club	8	2,392,196
Lkk Lviv Shortwave Club	6	2,215,920
Cdr Group	24	1,982,967
Saudi Contest Group	4	1,750,927
Trac Radio Amateur Club Izmir Branch	4	1,671,110
Cabreuvadx	10	1,651,634
Ru-Qrp Club	14	1,566,901
Thailand DX Association	7	1,509,307
Chiltern DX Club	6	1,433,169
Vu Contest Group	16	1,407,535
Volyn Contest Group	6	1,407,443
Vladimir Contest Group	10	1,404,949
Stavropol Region Contest Club	4	1,166,986
Russian Digital Radio Club	4	1,117,226
GMDX Group	6	1,117,161
Csm Craiova	4	1,089,155
YB6 DXC	5	1,048,757
Bosnia And Herzegovina Contest Club	5	940,730
Sk6Aw Hisingens Radioklubb	5	930,180
Saratovskaya Oblast Radio Club	5	865,190
Admira Arad	5	817,715
Associacao De Radioamadores Do Parana	7	802,799
Domodedovo	4	780,591
Sp-Cw-C	5	763,705
YO DX Club	12	741,627
Radio Club Venezolano Caracas	4	735,758
Korea Contest Club	4	673,840
NRRL	4	623,633
YYP Club	5	619,487
UR-Qrp-Club	6	552,541
Donbass Contest Club	4	532,141
Irkutsk Radio Club	5	531,616
Silver Comet Amateur Radio Society	6	437,145
German DX Foundation	5	390,281
Just For Fun Contest Club	9	360,949
Little Gun Club	5	334,470
Sharp Ham Club	4	322,436
Fuchu Amateur Radio Club	7	270,682
Uppsala Radioklubb	5	262,337
Tall Trees Contest Group	4	253,190
Skyview Radio Society	5	246,920
Port Elizabeth Amateur Radio Society	4	235,251
Single Fighter DX Group	8	203,637
Orari Lokal Kediri	8	179,933
The Akita DX Association	6	169,435
Torbay ARS	5	150,744
Cmdxgroup	5	125,601
New Providence Arc	4	116,986
University Of Tokyo Contest Club	4	109,295
Mumbai Amateur Radio Institute	8	107,375
Orari	4	97,266
Radio Club Kvarner Rijeka	4	63,701
Japan Contester'S Club	6	53,965
Orari Lokal Bogor	9	50,153
West Borneo DX Club	6	45,502
RTTY Contesters Of Japan	4	5,372
Serbian Contest Club	5	442

CQ World-Wide WPX CW Contest All-Time Records

The contest is held each year on the last full weekend of March. The All-Time Records will be updated and published annually. Data following the calls: Year of operation, total score, and number of prefix multipliers.

WORLD RECORD HOLDERS Single Operator

1.8	IH9/OL5Y('98)	341,068	182
3.5	TC3D('16)	2,112,711	457
7.0	3V8CB('10)	10,758,020	805
14	CN2DD('18)	9,738,872	1144
21	HK1R('15)	8,721,150	1097
28	ZX5J('02)	6,787,440	857
AB	CR3A('15)	21,403,527	1241
LP	D41CV('16)	13,881,372	1059
QRP	P4ØW('97)	4,018,208	632
Assisted	D41CV('16)	13,881,372	1059

Multi-Operator Single Transmitter

P33W('15)	35,165,691	1503
-----------	------------	------

Multi-Operator Two Transmitter

P33W('16)	42,511,820	1495
-----------	------------	------

Multi-Operator Multi-Transmitter

HC8N('99)	54,697,072	1264
-----------	------------	------

CLUB RECORD

Bavarian Contest Club ('12)	441,610,686
-----------------------------	-------------

U.S.A. RECORD HOLDERS Single Operator

1.8	WV8JR('07)	56,760	132
3.5	KIKI('18)	782,892	396
7.0	NN1AA('18)	3,738,640	680
14	N2NC('06)	5,418,630	915
21	NU5A('99)	4,411,299	789
28	WW4M('01)	2,547,046	674
AB	KC3R('15)	12,574,257	1121
LP	N5AW('15)	6,317,732	989
QRP	N2WN/4('12)	1,686,608	592
Assisted	NY3A('12)	9,923,563	1079

Multi-Operator Single Transmitter

KM3T/1('12)	15,311,340	1254
-------------	------------	------

Multi-Operator Two Transmitter

NN3L('12)	21,964,974	1362
-----------	------------	------

Multi-Operator Multi-Transmitter

NR4M('12)	26,785,984	1426
-----------	------------	------

CONTINENTAL RECORD HOLDERS

AFRICA

1.8	IH9/OL5Y('98)	341,068	182
3.5	7XØRY('08)	1,701,260	407
7.0	3V8CB('10)	10,758,020	805
14	CN2DD('18)	9,738,872	1144
21	CT3KN('15)	7,064,082	1017
28	ZS4TX('01)	4,602,028	722
AB	ED8X('16)	19,852,770	1162

ASIA

1.8	4X4NJ('96)	259,420	170
3.5	TC3D('16)	2,112,711	457
7.0	ZC4LI('10)	4,770,336	632
14	UP2L('09)	7,928,886	1043
21	4L8A('15)	6,681,246	1014
28	HZ1AB('02)	3,669,994	659
AB	UPØL('17)	12,798,242	1013

EUROPE

1.8	SN7Q('08)	339,542	307
3.5	TM5Y('08)	1,983,366	567
7.0	CT1JLZ('09)	6,075,936	816
14	CR2X('15)	6,869,928	1164
21	CR1X('12)	7,293,280	1154
28	9HØA('01)	3,965,315	841
AB	CR2X('16)	13,738,624	1186

NORTH AMERICA

1.8	VA1A('99)	103,680	120
3.5	FM5BH('97)	833,490	315
7.0	TI5W('17)	7,012,980	810
14	N2NC('06)	5,418,630	915
21	ZF1A('99)	5,330,129	799
28	FM5GU('01)	2,849,769	621
AB	8P5A('16)	15,690,486	1162

OCEANIA

1.8	KH6ND('07)	22,100	50
3.5	KH6ND('09)	596,673	231
7.0	ZM3A('09)	6,437,695	737
14	WH7AA('18)	6,186,952	964
21	KH6ND('99)	6,107,256	813
28	KH6ND('00)	1,523,008	424
AB	KH7XX('15)	12,449,866	1111

SOUTH AMERICA

1.8	HK1R('16)	25,440	60
3.5	YX3A('89)	1,004,060	305
7.0	PJ4A('13)	8,744,862	826
14	HK1X('11)	7,254,266	1006
21	HK1R('15)	8,721,150	1097
28	ZX5J('02)	6,787,440	857
AB	PJ4A('11)	16,272,730	1018

MULTI-OPERATOR SINGLE TRANSMITTER

AF	CN2AA('16)	34,551,215	1411
AS	P33W('15)	35,165,691	1503
EU	ES9C('15)	18,609,024	1472
NA	ZF1A('15)	19,649,390	1294
OC	AH2R('01)	11,541,420	957
SA	P49V('01)	19,760,744	1034

MULTI-OPERATOR TWO TRANSMITTER

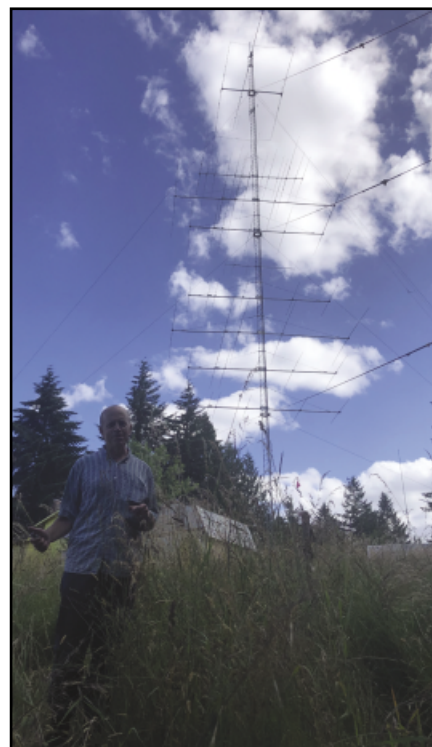
AF	CN3A('18)	35,274,220	1420
AS	P33W('16)	42,511,820	1495
EU	OL4A('15)	25,417,163	1579
NA	NN3L('12)	21,964,974	1362
OC	KH6LC('12)	17,095,460	1198
SA	PW7T('12)	34,156,451	1457

MULTI-OPERATOR MULTI-TRANSMITTER

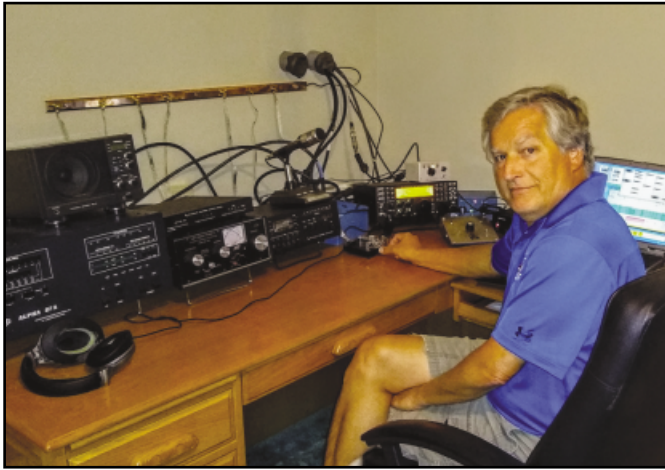
AF	CN3A('19)	48,733,405	1505
AS	P33W('19)	53,492,648	1514
EU	DR1A('12)	34,790,058	1598
NA	6Y2A('02)	38,821,328	1274
OC	ZL6QH('04)	16,143,840	1010
SA	HC8N('99)	54,697,072	1264

QRP

AF	5Y4FO('92)	649,057	311
AS	ZC4BS('02)	2,515,388	521
EU	LY5A('01)	2,331,414	646
NA	TI5X('01)	2,568,470	615
OC	FO8JP('86)	572,131	259
SA	P4ØW('97)	4,018,208	632



Bill, K2PO, lent his station to Alex, KU1CW/7. That tower sports 5 over 5 on 20 meters, 6 over 6 on 15 meters and 10 meters, a Moxon on 40 meters, and a rotatable dipole on 80 meters.



Scott, NE9U, just moved to a new QTH and is still unpacking. His dipoles work really well on a 115-foot glacial moraine with steep drop-offs in all directions — Mother Nature's ultimate skyhook. In between contests, Scott golfs and runs to keep in shape for those long sessions in the operating chair.



Four guys in Tennessee remotely operated the NW1P station and posted the top USA Multi-Single score. VE7ZO, W9RNY, AA4CF, and W9SN seem to be happy with the results.

possible. The software support from K1EA and KM3T are more important than ever with the rapid log adjudication cycle. Doug, K1DG, handles the plaques in a very timely manner. A special thanks to those who choose to donate the plaques. Paper logs were manually entered by N4TZ. K5ZD runs and updates the already outstanding CQ WPX website and helps with almost every part of running the contest.

N7IR's Story

Here is a photo of me at the controls of my SO2R station. In the recent WPX CW contest, I used my two Elecraft K3 radios running at 5 watts each with N1MM Logger+, an old DX Doubler SO2R control box, and a WinKeyer to generate CW and PTT. Normally I would run on the left rig and search and pounce on the right. However, this year I ran very little and used both radios for search and pounce on adjacent bands. My antennas are shown in the second photo. I use Force 12 Yagis on 40 through 10 meters with a delta loop on 80 meters and shunt feed the 72-foot tower for 160 meters. The short-

The 2020 CQ WPX CW Contest will be held **May 30-31**. This is **not** the Memorial Day weekend in the U.S., so there should be no excuses for your friends to not operate. The log deadline is five days after the conclusion on the contest, **June 5 at 2359Z**. Updated rules will be announced in the January issue of CQ and will be posted on the <www.cqwp.com> website.

(Continued on page 101)

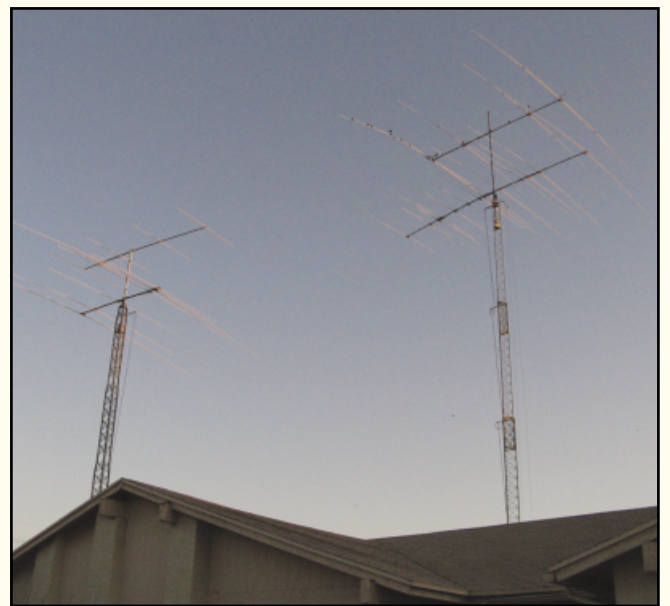
er tower is 40 feet. A K9AY loop array is used for receive on 80 and 160 meters.

I was originally licensed as a Novice in 1963 when I lived in Salt Lake City, Utah and have been continuously licensed since 1965. I earned my 20 WPM Amateur Extra license before an FCC examiner in 1976 and have held my current callsign since 1977. I have been competing in the WPX CW contest at the QRP power level since 1989.

– Gary, N7IR



N7IR at his shack.



N7IR has an impressive antenna farm