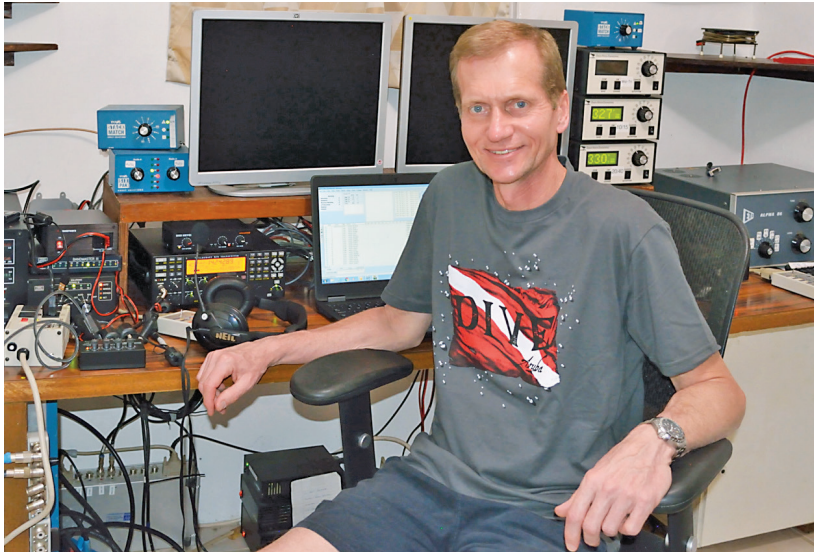


# 2020 ARRL International DX Phone Contest Results

This year's ARRL DX Phone Contest was held March 7 – 8, 2020.



John Bayne, KK9A, returned to Aruba for the first time since dismantling his own station there in 2011, and operated as P40A using the P49Y/P40L contest station for the 2020 ARRL International DX Phone Contest. John took the top spot in the DX Single Operator, Low Power category. [John Bayne, KK9A, photo]

The antenna farm at Rolandas Jokubauskas's, LY4A, station in Lithuania. Using his impressive contest station during the 2020 ARRL International DX Phone Contest, he secured a top 10 finish in the Single Operator, High Power category. [Rolandas Jokubauskas, LY4A, photo]

The next ARRL International DX Phone Contest will be held March 6 – 7, 2021.

## Full Results Online

You can read the full results of the contest online at <http://contests.arri.org>. You'll find detailed analysis and more play-by-play, along with the full line scores. Improve your results by studying your log-checking report, too.

## Affiliated Club Competition

Club	Score	Entries
<b>Unlimited</b>		
Frankford Radio Club	203,256,891	221
Yankee Clipper Contest Club	158,730,147	200
Potomac Valley Radio Club	125,333,460	207
Contest Club Ontario	40,659,135	70
Society of Midwest Contesters	32,984,049	101
Florida Contest Group	30,949,245	78
Arizona Outlaws Contest Club	25,176,708	67
Southern California Contest Club	23,722,218	65
Northern California Contest Club	18,854,454	64
Minnesota Wireless Assn.	17,091,219	97

## Medium

North Coast Contesters	21,503,790	17
Central Texas DX and Contest Club	19,301,061	40
Mad River Radio Club	14,020,425	31
Tennessee Contest Group	11,265,297	36
Hudson Valley Contesters and DXers	9,781,866	41
DFW Contest Group	9,759,267	30
Alabama Contest Group	9,166,704	25
Order of Boiled Owls of New York	8,940,084	13
Willamette Valley DX Club	8,421,534	29
Western Washington DX Club	7,912,608	24
Carolina DX Assn.	7,783,647	27
CTRI Contest Group	6,785,190	12
Niagara Frontier Radiosport	6,481,446	16
Grand Mesa Contesters of Colorado	6,456,495	29
Kentucky Contest Group	5,778,519	21
Northeast Wisconsin DX Assn.	5,721,366	9
Big Sky Contesters	5,591,079	12
Mother Lode DX/Contest Club	4,280,343	18
South East Contest Club	4,255,203	25
Bay Area DXers	3,154,776	11
North Texas Contest Club	2,889,171	10
Orca DX and Contest Club	2,460,033	16
Texas DX Society	2,131,746	11
Maritime Contest Club	2,131,734	5
Kansas City Contest Club	2,108,571	6
Northeast Maryland Amateur Radio Contest Society	1,811,289	13
Louisiana Contest Club	1,569,771	5
Rochester (NY) DX Assn.	1,388,301	15
Georgia Contest Group	1,382,631	5
Radiosport Manitoba	1,370,157	3
Metro DX Club	1,183,590	11
Great Places Contest Club	775,908	5
Portage County ARS	767,865	4
Port Lavaca ARC	767,283	6
Mississippi Valley DX/Contest Club	564,918	7
South Jersey Radio Assn.	528,999	8
Spokane DX Assn.	528,216	11
Pacific Northwest VHF Society	528,192	3
Skyview Radio Society	498,135	7
Driftless Zone Contesters	472,020	4
Swamp Fox Contest Group	442,386	4
North Carolina DX and Contest Club	423,990	3
New Providence ARC	393,882	8
599 DX Assn.	356,076	3
West Park Radiops	250,671	8
Great South Bay ARC	167,529	5
Arkansas DX Assn.	155,613	3
Silver Comet Amateur Radio Society	83,211	5
Burlington County Radio Club	12,804	3

## Local

Iowa DX and Contest Club	4,833,270	4
Central Virginia Contest Club	4,357,428	10
The Villages ARC	2,671,632	8
Murgas ARC	1,603,776	6
Bristol (TN) ARC	834,723	9
Hilltop Transmitting Assn.	606,072	7
Meriden ARC	362,826	3
Silver Springs Radio Club	202,287	4
Redwood Empire DX Assn.	195,909	4
Milford (OH) ARC	76,455	3
North Fulton ARL	71,316	4
Sterling Park ARC	12,657	3

## Top Ten — US and Canada

Single Operator, High Power	Single Operator Unlimited, High Power	Single Operator, 160 Meters	Single Operator, 20 Meters	Multioperator, Single Transmitter, Low Power
VY2ZM 3,563,388	AA1K 2,647,890	W2MF 10,920	W2RE 866,520	N1SOH 361,440
NR3X (N4YDU, op) 3,071,232	NC1I (K9PW, op) 2,400,930	AG4W 7,788	VE3DZ 504,561	NM1C 276,024
VY2TT 2,815,005	K1KI (KM1P, op) 2,397,933	VE3PN 5,760	N7TU (K2SS, op) 337,584	VD1TP 237,300
CF3A (VE3AT, op) 2,663,592	K3VWV 2,355,723	WB4WXE 3,456	W0EWD 249,705	N8YXR 227,520
N1UR 2,596,770	N3RD 2,274,300	VA3SK 1,656	AA6AA 200,178	KJ3T 182,214
W9RE 2,249,208	N3RS 2,096,766	W8KA 330	K8LX 155,682	AB5J 65,238
K4AB 1,749,468	W3UA 2,071,197	N0UY 75	AB4B 154,755	WA1F 59,169
K3ZO 1,592,748	AA3B 2,051,148	Single Operator, 80 Meters	K8FF 152,844	K9IU 48,654
N9RV 1,366,854	K5TR 2,030,145	W3BGN 55,278	W1AVK 80,136	K2AA 40,290
NA8V 1,277,760	K1RX 1,914,528	K8UR 47,064	K0BBB 70,227	NJ1F 23,814
Single Operator, Low Power	Single Operator Unlimited, Low Power	Single Operator, 40 Meters	Single Operator, 15 Meters	Multioperator, Two Transmitter
N4TZ 660,630	NN1C 1,397,955	KA1IS 28,362	K5RX 28,302	N1MM 2,508,768
K5KU 480,447	VA3DF 805,140	N0OK 26,733	K1KNQ 14,715	K8AZ 1,989,504
AD5A 452,160	NY6DX 593,460	K5KJ 19,440	N6WM 14,040	K2AX 1,545,372
NT6Q (N5ZO, op) 423,864	KS1J 500,712	VE9ML 16,686	W0C0B 10,605	W2CG 1,541,904
K5FUV 369,720	N2SQW 418,902	W9JOE 13,833	WB2AMU 8,280	W5WZ 1,360,176
N1DD 318,852	WA1FCN 417,750	Single Operator, 160 Meters	AJ6T 6,231	KA1ZD 1,331,388
W7RM (K2PO, op) 317,628	W3KB 401,622	W7WA 250,290	KX2S 5,880	K3MTR 1,165,920
KE3X 292,992	W9XT 375,708	KT3RR 31,086	W2NPT (W3EH, op) 5,301	KT7E 1,034,343
W6DVS 285,735	W1SIP 342,720	K2UR 30,552	AD4L 4,263	WB2P 821,712
K3SU 273,321	WO1N 330,270	KD4RH 25,668	WDSJW 2,898	W1QK 709,275
Single Operator, QRP	Single Operator Unlimited, QRP	Single Operator, 30 Meters	Single Operator, 10 Meters	Multioperator, Multitransmitter
WE6EZ 79,968	K8ZT 48,618	W2AAB 24,960	W5PR 1,404	K3LR 7,332,930
K3TW 41,976	K7SS 16,830	WB8YYY 22,326	W4DD 864	W3LPL 6,326,451
W6QU (W8QZA, op) 28,638	K2GMY 6,480	W8SRCN 18,900	N4TUT 486	K1TTT 3,478,596
AG4ZL 8,232	W8IQ 1,872	W00BGZ 13,356	K4WI 378	NE3F 1,335,180
KA6PNL 8,178	KJ5T 330	K3HW 13,350	Multioperator, Single Transmitter, High Power	W1CSM 783,144
N3CI 6,804	NR9Q 243	WA3FAE 12,054	NV9L 2,309,568	K5LRW 46,866
WX2N 6,660	K6CTA 3		K3ND 1,412,403	
K1MTD 4,935			K2LE 1,410,870	
K2MIJ 3,564			W3MF 1,096,704	
W7BAK 2,697			K3MD 1,012,500	
			N7NR 964,275	
			W8PR 954,018	
			W3LL 806,031	
			N3XF 761,001	
			WT3Q 753,480	

## Top Ten — DX

[illegible]

## Sponsored Plaque Winners

Thanks to the generous support of numerous clubs and individuals, we are pleased to list the winners of the sponsored International DX Phone Contest plaques below. For more information on plaque sponsorship or to order a duplicate plaque, contact ARRL Contest Branch Manager Paul Bourque, N1SFE, at 860-594-0232 or [contests@arrl.org](mailto:contests@arrl.org). Plaques cost \$80, which includes all shipping charges.

Winner	Plaque Category	Plaque Sponsor
W5PR	W/VE 28 MHz Phone	Jeff Stuparits, W4DD
8P5A	North America Single Operator, High Power CW	Potomac Valley Radio Club
PY2UDB	World 28 MHz CW	Jeff Stuparits, W4DD
KH6LC (N6TJ, op)	Oceania Single Operator, High Power Phone	Albert Crespo, F5VHJ — In memory of Carl Cook, AI6V
KP2M (N2TK, op)	World Single Operator Unlimited, High Power Phone	Charles Dietz, W5PR
ZF1A	North America Multioperator, Single Transmitter, High Power Phone	Nick Lash, K9KLR
W9RE	Central Division Single Operator, High Power Phone	Society of Midwest Contesters
N4TZ	Central Division Single Operator, Low Power Phone	Society of Midwest Contesters
AA9A	Central Division Multioperator, Single Transmitter CW	Society of Midwest Contesters
T32AZ	Oceania 3.5 MHz Phone	Burton M. Parmeter, KG7MD, Memorial Award
N4TZ	Central Division Single Operator, Low Power CW	Society of Midwest Contesters
AA9A (N9UA, op)	Central Division Single Operator Unlimited, High Power Phone	Society of Midwest Contesters
W9XT	Central Division Single Operator Unlimited, Low Power Phone	Society of Midwest Contesters
WB9Z	Central Division Single Operator Unlimited, High Power CW	Society of Midwest Contesters
W9XT	Central Division Single Operator Unlimited, Low Power CW	Society of Midwest Contesters

## Division Winners

### Single Operator, High Power

Atlantic	K3ZO	1,592,748
Central	W9RE	2,249,208
Dakota	K0JJR	172,674
Delta	AC4G	412,764
Great Lakes	NA8V	1,277,760
Hudson	W2XL	318,636
Midwest	N0UU	28,140
New England	NR3X (N4YDU, op)	3,071,232
Northwestern	N9RV	1,366,854
Pacific	W6YX (N7MH, op)	1,012,206
Roanoke	KA8Q	301,140
Rocky Mountain	N2IC	920,580
Southeastern	K4AB	1,749,468
Southwestern	W6AFA	457,776
West Gulf	K5WA	896,448
Canada	VY2ZM	3,563,388

### Single Operator, Low Power

Atlantic	KE3X	292,992
Central	N4TZ	660,630
Dakota	NG0C	129,480
Delta	K5KU	480,447
Great Lakes	N8GLS	264,735
Hudson	N2HMM	138,138
Midwest	N0YO	77,760
New England	N1DD	318,852
Northwestern	W7RM (K2PO, op)	317,628
Pacific	W6US	78,648
Roanoke	W6DVS	285,735
Rocky Mountain	WA2JQZ	23,562
Southeastern	WW4XX (LZ4AX, op)	174,084
Southwestern	NT6Q (N5ZO, op)	423,864
West Gulf	AD5A	452,160
Canada	VA1SEA	179,580

### Single Operator, QRP

Delta	N5MZC	2,520
Hudson	WX2N	6,660
New England	K1MTD	4,935
Northwestern	N7JI	1,044
Roanoke	AG4ZL	8,232
Southeastern	K3TW	41,976
Southwestern	W6QU (W8QZA, op)	28,638
West Gulf	WE6EZ	79,968

### Single Operator Unlimited, High Power

Atlantic	AA1K	2,647,890
Central	AA9A (N9UA, op)	1,523,520
Dakota	WA0MHJ	342,528
Delta	WV4P	621,432
Great Lakes	W8MJ	1,232,640
Hudson	KF2O	853,470
Midwest	K0VXU	324,198
New England	NC1I (K9PW, op)	2,400,930
Northwestern	K7RL	1,605,120
Pacific	K6RC	309,042
Roanoke	N4RV	1,137,150
Rocky Mountain	K0RF	1,477,074
Southeastern	K1MM	1,797,780
Southwestern	N6RV	565,110
West Gulf	K5TR	2,030,145
Canada	VE5MX	934,212

### Single Operator Unlimited, Low Power

Atlantic	W3KB	401,622
Central	W9XT	375,708
Dakota	N0UR	160,776
Delta	KB5QR	7,020
Great Lakes	WB8WKQ	306,270

Hudson	NY6DX	593,460
Midwest	AA0AI	130,524
New England	NN1C	1,397,955
Northwestern	WZ8T	161,586
Pacific	KL7HQR/W6	38,982
Roanoke	WT8VV	129,360
Rocky Mountain	AD1C	94,470
Southeastern	WA1FCN	417,750
Southwestern	KF7DUR	45,978
West Gulf	N5DO	223,650
Canada	VA3DF	805,140

### Single Operator Unlimited, QRP

Great Lakes	K8ZT	48,618
Midwest	NR0Q	243
Northwestern	K7SS	16,830
Pacific	K2GMY	6,480
West Gulf	KJ5T	330

### Single Operator, 160 Meters

Atlantic	W2MF	10,920
Dakota	N0UY	75
Southeastern	AG4W	7,788
Southwestern	W8KA	330
Canada	VE3PN	5,760

### Single Operator, 80 Meters

Atlantic	W3BGN	55,278
Central	W9JOE	13,833
Dakota	N0OK	23,364
New England	KA1IS	26,733
Northwestern	KK6ZM	35,460
Pacific	WD6T (@N6RO)	28,362
Roanoke	K8UR	47,064
Southeastern	K4RZR	810
West Gulf	K5KJ	19,440
Canada	VE9ML	16,686

### Single Operator, 40 Meters

Atlantic	KT3RR	31,086
Central	K2UR	30,552
Great Lakes	WA8RCN	18,900
Hudson	W2AAB	24,960
Midwest	WD0BGZ	13,356
New England	KC1IMK	126
Northwestern	W7WA	250,290
Pacific	WA6SSO	420
Roanoke	KD4RH	25,668
Southeastern	NS4T	4,224
Southwestern	N7RK	4,050
West Gulf	K15EBJ	3
Canada	VE4VJR	1,764

### Single Operator, 20 Meters

Atlantic	AI3Q	50,850
Central	W9ILY	64,242
Dakota	K0BBB	70,227
Delta	KB8VND	7,182
Great Lakes	KB8LX	155,682
Hudson	W2GFV	12,558
Midwest	W0EWD	249,705
New England	W2RE	866,520
Northwestern	K17DG	9,450
Pacific	AA6AA	200,178
Roanoke	N4GVW	390
Rocky Mountain	WA0PFC	1,680
Southeastern	AB4B	154,755
Southwestern	N7TU (K2SS, op)	337,584
West Gulf	W1JCW	45,630
Canada	VE3DZ	504,561

### Single Operator, 15 Meters

Atlantic	KX2S	5,880
Central	WB9HFK	2,016
Delta	AJ6T	6,231
Great Lakes	N8PPF	714
Hudson	WB2AMU	8,280
Midwest	AD0H	2,706
New England	W1CEK	3
Pacific	N6WM	14,040
Roanoke	AD4L	4,263
Rocky Mountain	NC0B	10,605
Southeastern	K1KNQ	14,715
Southwestern	N6RM	882
West Gulf	K5RX	28,302
Canada	VE2NCG	396

### Single Operator, 10 Meters

Southeastern	W4DD	864
West Gulf	W5PR	1,404

### Multioperator, Single Transmitter, High Power

Atlantic	K3ND	1,412,403
Central	NV9L	2,309,568
Dakota	NR0T	87,543
Great Lakes	W8PR	954,018
Hudson	WU2X	258,063
New England	K2LE	1,410,870
Northwestern	W7VO	222,264
Pacific	NW6P	595,392
Southeastern	K2DM	537,768
Southwestern	N7NR	964,275
Canada	VA2UR	402,570

### Multioperator, Single Transmitter, Low Power

Atlantic	K2AA	40,290
Central	K9IU	48,654
Dakota	N0DC	8,832
Great Lakes	N8YXR	227,520
Hudson	NJ1F	23,814
New England	N1SOH	361,440
Northwestern	W7JCR	36
Southeastern	KJ3T	182,214
Southwestern	WA6SUN	168
West Gulf	AB5J	65,238
Canada	VD1TP	237,300

### Multioperator, Two Transmitter

Atlantic	K2AX	1,545,372
Delta	W5WZ	1,360,176
Great Lakes	K8AZ	1,969,504
Hudson	W2CG	1,541,904
Midwest	N0MA	97,497
New England	N1MM	2,508,768
Northwestern	K7TE	1,034,343
Pacific	W6WB	145,089
Southeastern	K4VQ	277,887
West Gulf	N5AA	109,926
Canada	VE6FI	643,914

### Multioperator, Multitransmitter

Atlantic	K3LR	7,332,930
New England	K1TTT	3,478,596
Rocky Mountain	K5LRW	46,866

## Continental Winners

### Africa

Single Operator, High Power	EA8RM	1,762,344
Single Operator, Low Power	EA8AUW	203,610
Single Operator Unlimited, High Power	ED8M (EA8DIG, op)	195,552
Single Operator Unlimited, Low Power	EF8O (EA8OM, op)	6,660
Single Operator, 20 Meters	D4Z	555,768
Single Operator, 15 Meters	EA8DED	46,569

### Asia

Single Operator, High Power	JA2AXB	132,933
Single Operator, Low Power	JH1EAQ	103,095
Single Operator, QRP	JH7UJU	11,592
Single Operator Unlimited, High Power	JA0FVU	55,980
Single Operator Unlimited, Low Power	JA6WFM	21,450
Single Operator Unlimited, QRP	JK1TCV	2,040
Single Operator, 160 Meters	RT0F	1,554
Single Operator, 80 Meters	JA0JHA	50,544
Single Operator, 40 Meters	RA9V	3,780
Single Operator, 20 Meters	JA7NVF	122,472
Multioperator, Single Transmitter, High Power	JH4UYB	701,244
Multioperator, Single Transmitter, Low Power	JK2VOC	7,584
Multioperator, Two Transmitter	JH8YOH	439,200
Multioperator, Multitransmitter	JA3YBK	849,537

### Europe

Single Operator, High Power	IR2Q (IK2PFL, op)	1,688,460
Single Operator, Low Power	IW1FRU	431,748
Single Operator, QRP	LZ9W (LZ1UQ, op)	117,549
Single Operator Unlimited, High Power	DL6FBL	2,912,760
Single Operator Unlimited, Low Power	S52NR	582,180
Single Operator Unlimited, QRP	OK2FD	21,420
Single Operator, 160 Meters	IS4VA	23,760
Single Operator, 80 Meters	F6KHM (F4DXW, op)	159,384
Single Operator, 40 Meters	CR6T (CT1ESV, op)	451,794
Single Operator, 20 Meters	S50R	332,568
Single Operator, 15 Meters	EC5K	38,760
Multioperator, Single Transmitter, High Power	IR4M	2,970,768
Multioperator, Single Transmitter, Low Power	EA2RCA	9,504
Multioperator, Two Transmitter	M6T	2,228,373
Multioperator, Multitransmitter	9A1A	3,611,376

### North America

Single Operator, High Power	TI7W (N6MJ, op)	7,611,516
Single Operator, Low Power	VP2MMF (K1XX, op)	3,342,993
Single Operator Unlimited, High Power	KP2M (N2TK, op)	4,222,245
Single Operator Unlimited, Low Power	VP9I (K3SW, op)	1,629,360
Single Operator, 160 Meters	WL7N	264
Single Operator, 80 Meters	XE2X	201,780
Single Operator, 40 Meters	CM2XN	160,911
Single Operator, 20 Meters	WP4SD	145,962
Single Operator, 15 Meters	KP4RV	225,888
Multioperator, Single Transmitter, High Power	ZF1A	6,404,508
Multioperator, Single Transmitter, Low Power	VP5M	3,290,130
Multioperator, Two Transmitter	HQ9X	6,030,822

### Oceania

Single Operator, High Power	KH6LC (N6TJ, op)	2,781,360
Single Operator, Low Power	KH6CJJ	942,033
Single Operator, QRP	VK4FOMP	960
Single Operator Unlimited, High Power	VK4QH	144,336
Single Operator Unlimited, Low Power	YE8XBN	3,120
Single Operator Unlimited, QRP	YC2VOC	126
Single Operator, 80 Meters	ZC2AZ	19,656
Single Operator, 40 Meters	VK3GK	69,795
Single Operator, 20 Meters	DX7EVM (DU7OK, op)	4,347
Multioperator, Single Transmitter, High Power	KH7M	3,368,418
Multioperator, Single Transmitter, Low Power	DX4EVM	1,440

### South America

Single Operator, High Power	CE3CT	759,015
Single Operator, Low Power	P40A (KK9A, op)	4,035,720
Single Operator, QRP	PY2BN	540
Single Operator Unlimited, High Power	PT5J (PP5JR, op)	3,947,010
Single Operator Unlimited, Low Power	HK4GOO	491,526
Single Operator Unlimited, QRP	PY2XC	47,088
Single Operator, 160 Meters	LU8DPM	5,859
Single Operator, 80 Meters	PX2B (PY2LED, op)	58,320
Single Operator, 40 Meters	LU5FC	161,820
Single Operator, 20 Meters	FY5FY	578,829
Single Operator, 15 Meters	FY5KE (F1HAR, op)	358,380
Single Operator, 10 Meters	PY2TMV	5,859
Multioperator, Single Transmitter, High Power	OA4O	1,222,404
Multioperator, Single Transmitter, Low Power	HC0T	1,917,480
Multioperator, Two Transmitter	PJ4G	8,094,204
Multioperator, Multitransmitter	PJ2T	7,052,760



**All ARRL members can now enjoy the digital edition of QEX as a member benefit. Coming up in the September/October 2020 and future QEX issues are articles and technical notes on a range of amateur radio topics. These are at the top of the queue.**

- André Champel, F5SQ, alerts us in his Technical Note of a fire hazard in using window transmission line.
- Gwyn Griffiths, G3ZIL; Rob Robinett, AI6VN, and Glenn Elmore, N6GN, estimate LF and HF band noise while acquiring WSPR spots.

- Carl Luetzelschwab, K9LA, comments in a Technical Note on extending the matching range of an 80-meter antenna.
- Eric Nichols, KL7AJ, in the second installment of his Essay Series, discusses setting up a home electrical engineering lab.
- John Post, KA5GSQ, generates and receives single-sideband signals using GNU radio companion.
- Grant Saviers, KZ1W, and Rob Fanfant, N7QT, report on their H40TT “suitcase” DXpedition to Pigeon Island, Temotu Province.

*QEX*, a forum for the free exchange of ideas among communications experimenters, is edited by Kazimierz “Kai” Siwiak, KE4PT, ([ksiwiak@arrrl.org](mailto:ksiwiak@arrrl.org)) and is published bimonthly. All ARRL members can

enjoy the digital edition as a member benefit. The *printed edition* annual subscription rate (six issues per year) for members and non-members in the United States is \$29. First-class delivery in the US is available at an annual rate of \$40. For international subscribers, including those in Canada and Mexico, *QEX* can be delivered by airmail for \$35 annually, see [www.arrl.org/qex](http://www.arrl.org/qex).

Would you like to write for *QEX*? We pay \$50 per published page for full articles and *QEX* Technical Notes. Get more information and an Author Guide at [www.arrl.org/qex-author-guide](http://www.arrl.org/qex-author-guide). If you prefer postal mail, send a business-size self-addressed, stamped (US postage) envelope to: *QEX* Author Guide, c/o Maty Weinberg, ARRL, 225 Main St., Newington, CT 06111.