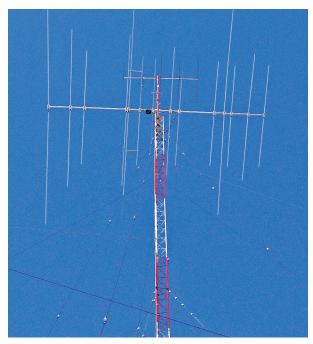
# 2018 ARRL International DX Phone Contest Results

This year's ARRL International DX CW Contest was held March 3 – 4, 2018.



LY5W's formidable tower. [Sam Zalnerauskas, LY5W, photo]



The operators of the final ARRL DX Phone Contest operation from Multioperator station W4RM. In the back row (from left to right) are John O'Mára, W4NF; Stu Mitchell, W7IY, and Lee Bradshaw, K4UVA. In the front row (from left to right) are Ace Jansen, N3AHA; Bill O'Mara, W4RM, and Ed Pitts, K5OF. [Ace Jansen, N3AHA, photo]

#### **Full Results Online**

You can read the full results of the contest online at www.arrl.org/contest-results-articles. 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.

Club	Score	Entrie
Unlimited		
Frankford Radio Club Yankee Clipper Contest Club Potomac Valley Radio Club Contest Club Ontario Society of Midwest Contesters Northern California Contest Club Florida Contest Group Minnesota Wireless Assn. Arizona Outlaws Contest Club Southern California Contest Club	172,592,772 132,887,993 92,201,523 31,211,409 24,283,068 22,549,515 22,141,410 21,013,506 15,480,914 11,675,511	21 21 19 5 11 7 6 9 6 5
Medium		
DFW Contest Group Central Texas DX and Contest Club North Coast Contesters Mad River Radio Club Alabama Contest Group Tennessee Contest Group Tennessee Contest Group Carolina DX Assn. Kentucky Contest Group Hudson Valley Contesters and DXer Western Washington DX Club Mother Lode DX/Contest Club Willamette Valley DX Club Northeast Wisconsin DX Assn. Niagara Frontier Radiosport Maritime Contest Club Big Sky Contesters North Texas Contest Club Rochester (NY) DX Assn. Bay Area DXers Kansas City Contest Club Grand Mesa Contesters of Colorado South East Contest Club Grand Mesa Contester Sol	14,035,332 12,584,514 9,755,037 8,917,230 7,463,787 6,924,051 fs 5,661,714 3,713,664 3,597,507 3,507,750 3,425,928 3,285,537 2,436,857 2,408,988 2,268,978 2,233,236 2,070,186	2 3 3 3 2 1 2 2 1 1 1 1 1
Northeast Maryland Amateur Radio Contest Society Order of Boiled Owls of New York Georgia Contest Group Mississippi Valley DX/Contest Club 599 DX Assn. Texas DX Society Metro DX Club North Carolina DX and Contest Club Spokane DX Assn. Swamp Fox Contest Group Pacific Northwest VHF Society Alberta Clippers Northern Arizona DX Assn. South Jersey Radio Assn. Great South Bay ARC West Park Radiops Skyview Radio Society Portage County Amateur Radio Ser Allegheny Valley Radio Assn. South Jersey DX Assn. South Jersey DX Assn.	1,145,451 1,070,925 905,472 888,786 872,688 833,049 827,634 b 803,589 581,628 494,832 360,516 283,275 278,892 237,015 133,548 129,564 115,962 91,554	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Local		
Central Virginia Contest Club CTRI Contest Group Bristol (TN) ARC Delara Contest Team Meriden ARC Hilltop Transmitting Assn. Sunday Creek Amateur Radio Federation	2,978,336 2,194,215 763,467 612,702 455,505 320,310 285,141	
Silver Comet Amateur Radio Society Peace River Radio Assn. Sterling Park ARC St. Louis ARC	y 261,873 126,279 117,171 95,769	

Top Ten	— US aı	nd Canad	la	
Single Ope	rator, High	Single Ope	rator	Single C
XL3A (VE3A	T on\	N2RJ	Low Power	80 Mete W2FU
ALSA (VESA	2,778,468	VA3DF	912,060 859,020	W3LL
N1UR	2,773,944	VE3PJ	560,694	W4QNW
AA1K	2,179,800	W3KB	535,572	K2UR
W9RE	1,993,431	VA2CZ	475,359	N6SS
K4AB	1,614,354	N2SQW	374,325	KØPJ
VY2TT (K6L		NY3B	310,524	N400
`	1,414,671	K8LY	291,924	NØOK
NR5M	1,220,670	W4ZAO	288,120	W4NGR
NA8V	1,091,748	N1DID	267,723	VE9OA
K3ZO	1,071,732			
N1PGA	1,070,610	Single Ope		Single C
		Unlimited,	QRP	40 Mete
Single Ope	rator,	W1JCW	67,968	W7WA
Low Power		NDØC	58,101	KØRF
N8II	511,428	N4IJ	43,218	N2PP
N4TZ	501,921	KC1EDE	42,624	VE9AA
W6DVS	332,820	W6QU (W80		WX5S (@
K8PGJ N7IR	308,133 261,324	N3CI	29,250 14,160	VE3DZ
VE3VN	245,310	KA8SMA	14,160	AG4W
WB8WKQ	240,660	K2YG	10,089	KD4RH
W2TF	238,008	K4WY	8,769	N8OO
K3SU	192,528	KZ3I	7,728	VE9ML
W1JQ	189,036		.,	
	,	Single Ope	rator,	Single C
Single Ope	rator, QRP	160 Meters	, í	20 Mete
WX2N	14.023	W2MF	6,396	KU2M
WB2DHY	1,390	W8ALP	5,742	KVØQ
WB4WXE	1,267	VE3PN	2,850	WA8RCI
		N3ZV	816	WR2G
Single Ope	rator	WD5BJT	108	N4OX
	High Power	K3WGR	108	W5FMH
VE3EJ	3,246,165	VA3XO	105	MDEK
K3WW	2,428,875	W3TS	105 36	WD5K
NC1I (K9PV		KD2BGM W8CO	36 12	W1AVK VE3TM
	2,382,744	WOOO	12	VESTIVI

Single Oper 80 Meters	ator,	
W2FU	34.587	
W3LL	33,480	
W4QNW	12,936	
K2UR	11,040	
N6SS	8,316	
KØPJ	6,669	
N400	6,201	
NØOK	4,032	
W4NGR	3,840	
VE9OA	3,510	
Single Operator, 40 Meters		
W7WA	208.206	
KUDE	146 043	

Jiligle Operator,		
15 Meters		
KØEJ	71,706	
KM4HI	27,054	
AA4NP	13,992	
K9LA	11,286	
WC4H	9,588	
K7XE	5,481	
AA9LC	5,040	
W6RKC	4,770	
WN4AFP	4,698	
K4TRH	4,410	
Single Operator,		

Single Operator

	ator, Single r, Low Pow
W1QK	609,168
WK1DS	260,043
N8YXR	182,277
W3ZGD	132,300
KM1MM	79,422
WA1F	78,660
NA1RA	22,989
W1KBN	4.725
N8RB	3,588
N1TN	2,223
Multianare	stor Turo

single Operator,		
40 Meters		
W7WA	208,206	
KØRF	146,043	
N2PP	132,840	
VE9AA	98,406	
WX5S (@N6	RO)	
	73,632	
VE3DZ	70,200	
AG4W	44,178	
KD4RH	24,660	
N8OO	16,815	
VE9ML	14,241	

10 Meters		
W5PR	6,798	
W4DD	3,294	
K4WI	1,518	
KG9Z	1,326	
W2RR (WA2A)	OG, op)	
	1,260	
W7USA	480	
NØJK	429	
WB2AMU	75	
Multioperator, Single		

Multioperator, Iwo		
Transmitte	er	
K1XM	4,273,632	
KA1ZD	2,263,500	
N1MM	2,191,356	
W4RM	1,693,305	
K2AX	1,593,834	
W5WZ	1,224,720	
WA3EKL	1,074,807	
W2CG	958,914	
N1RR	758,100	
NX6T	711,504	

100 Melela	
W2MF	
W8ALP	
VE3PN	
N3ZV	
WD5BJT	
K3WGR	
VA3XO	
W3TS	
KD2BGM	
W8CO	

Single Ope 20 Meters	rator,
KU2M	591,696
KVØQ	347,475
WA8RCN	190,557
WR2G	183,744
N4OX	123,006
W5FMH (KN	14SII, op)
	120,360
WD5K	93,873
W1AVK	75,330
VE3TM	56,940
K7ABV	39,744

Multiopero Transmitte	itor, Single r, High Powe
NV9L	1,669,017
K3EL	976,536
K1KP	962,640
VA2SJ	775,890
W3MF	726,546
WN9O	615,600
K5UA	576,081
W100	508,620
K7ZS	447,468
NN3W	426,756
	-,

Multioperator, Multitransmitter			
K3LR	7,258,608		
W3LPL	5,710,146		
K1TTT	3,882,144		
K1KI	3,133,482		
NE3F	1,397,601		
WØAIH	1,341,420		
K3EST	680,433		
W1CSM	472,446		
N1SOH	330,186		
WX3B	253,119		

# Top Ten — DX

N2SR

1,519,392

K3WW 2,428,875 NC1I (K9PW, op) 2,382,744 N3RS 2,019,375 W1NT 1,936,062 K5TR 1,805,760 K1RX 1,701,720 K5ZD 1,589,793 N2MM 1,539,660 N2SR 1519,392

# Single Operator, High Power 8P5A (W2SC, op) 7,626,660 ZF2MJ (N6MJ, op) 6,444,774 KH7XS (K4XS, op) 5,188,314 TO5A (F5VHJ, op) 3,393,495 TM0T (F4HOZ, op) 2,887,110 CR6K (CT1CJJ, op) 2,704,248 1,632,306 EASDFV 1,032,759 EA5DFV 1,032,759 CB8E (CE8EIO, op) 823,608 **НК3С** 821,043 Single Operator, Low Power ZF9CW 3,705,885 HC2GRC (HC2AO, op) 1,788,366 TG9ANF 819,000 TI2CY 773,604 NIECY (KSVV) (p)

TG9ANr TI2OY 7/0,0 NP2X (K9VV, op) 591,015 VP9/W6PH 475,875 112CJJ 448,803 410,856

410,856 387,585

386,625

VP9/W6PH KH6CJJ YV7MAY CO6HZ

8P1W

88

Single Ope Unlimited, V26K (AA3E KH7M (NA2 ZZ2T (PY2N EA6FO CE2MVF UW1M EW6W EF1W (EA1 XE2T GØDWV	High Power 3, op) 5,220,960 U, op) 2,113,464 MNL, op) 1,919,097 1,217,460 897,225 822,744 790,032
Single Ope Unlimited, HH2AA (W2 S52NR PR5K (PY5I EA7JXZ PY1AX YV5EMG PY2ZR EA4TD YY2JAB PY1AN	Low Power (GD, op) 1,472,472 466,137

Single Ope Unlimited, F5BEG JQ1NGT JR4DAH PA2TMS UT5EOX JH1APZ PY2BN IZ0FUW JH1OGC PD0PIW	
Single Ope 160 Meters NP2J (K8RF KV4FZ LU8DPM HGØR S56P G4AFJ UY2IF	•
Single Ope 80 Meters XE2X KP4KE GM3PPG (G PY2LED F1AKK SN2M I4AVG CO2JD	195,762 194,706

S54ZZ 9A8M (9A3XU, op) 48,240

40 Meters	
YV1KK	389,880
S52AW	259,380
SP3GEM	212,025
TM5EE (F6A	
	186,576
SN8B (SP8C	
	154,440
S56X	142,272
US1I (UX2IO	, op)
(	136,971
IZ2KXC	132,006
LU5FC	128,325
EA3QP	82.110
EASQP	02,110
e: 1 e	_
Single Oper	ator,
20 Meters	
	653 418
FY5FY	653,418 595,665
FY5FY PJ2T	595,665
FY5FY	595,665 (W, op)
FY5FY PJ2T TM6M (F4DX	(W, op) 594,018
FY5FY PJ2T	595,665 (W, op) 594,018 Y, op)
FY5FY PJ2T TM6M (F4DX IR4X (IT9RG	595,665 (W, op) 594,018 Y, op) 416,691
FY5FY PJ2T TM6M (F4DX	595,665 (W, op) 594,018 Y, op) 416,691 M, op)
FY5FY PJ2T TM6M (F4DX IR4X (IT9RG DK3T (DK3D	595,665 (W, op) 594,018 Y, op) 416,691 M, op) 408,822
FY5FY PJ2T TM6M (F4DX IR4X (IT9RG DK3T (DK3D	595,665 (W, op) 594,018 Y, op) 416,691 M, op) 408,822
FY5FY PJ2T TM6M (F4DX IR4X (IT9RG	595,665 (W, op) 594,018 Y, op) 416,691 M, op) 408,822 S, op)
FY5FY PJ2T TM6M (F4DX IR4X (IT9RG DK3T (DK3D IR1Y (IK1HJS	595,665 (W, op) 594,018 Y, op) 416,691 M, op) 408,822 S, op)
FY5FY PJ2T TM6M (F4DX IR4X (IT9RG DK3T (DK3D IR1Y (IK1HJS	595,665 (W, op) 594,018 Y, op) 416,691 M, op) 408,822 S, op) 382,653 381,738
FY5FY PJ2T TM6M (F4DX IR4X (IT9RG DK3T (DK3D IR1Y (IK1HJS	595,665 (W, op) 594,018 Y, op) 416,691 M, op) 408,822 S, op) 382,653 381,738 K, op)
FY5FY PJ2T TM6M (F4DX IR4X (IT9RG DK3T (DK3D IR1Y (IK1HJS 9A9A TM4L (F8ARI	595,065 (W, op) 594,018 Y, op) 416,691 M, op) 408,822 S, op) 382,653 381,738 K, op) 381,738
FY5FY PJ2T TM6M (F4DX IR4X (IT9RG DK3T (DK3D IR1Y (IK1HJS	595,665 (W, op) 594,018 Y, op) 416,691 M, op) 408,822 S, op) 382,653 381,738 K, op) 381,738 YXI, op)
FY5FY PJ2T TM6M (F4DX IR4X (IT9RG DK3T (DK3D IR1Y (IK1HJS 9A9A TM4L (F8ARI GM5X (GM4)	595,665 (W, op) 594,018 Y, op) 416,691 M, op) 408,822 S, op) 382,653 381,738 K, op) 381,738 YXI, op) 375,333
FY5FY PJ2T TM6M (F4DX IR4X (IT9RG DK3T (DK3D IR1Y (IK1HJS 9A9A TM4L (F8ARI	595,665 (W, op) 594,018 Y, op) 416,691 M, op) 408,822 S, op) 382,653 381,738 K, op) 381,738 YXI, op)

Single Operator, 40 Meters

15 Meters	sidioi,
FY5KE (F1)	HAR, op)
,	441,969
9Y4D	301,962
ZV2C	184,614
YV2CAR HK3TK	164,883
LU9VD (LU	146,439
LUSVD (LU	133,551
EA8NF	57,582
PP5JN	57,546
PY2NA	53,802
CO6LC	37,638
Circula Orr	
Single Ope	eraior,
LW7DX	84.780
4M6R (YV6	
	79.443
PP5FB	59,532
XQ3PC	52,761
PU1LMN	6,300
CB3LR (CE	3GDR, op)

PU2WDX PU5AEC LU9CBL PJ2DX (KB7Q,

Single Operator.

37,638	Multioper Transmitte	
or,	VP5V TI7/WJ1B	3,2
84,780 op)	ZW8T PV8AA	1,0
79,443	JE1LFX	
59,532 52,761	ED3D TC4A	
6,300	G3YNN	
OR, op)	XE2N F4EPP	
5,508 4.752		
4,209	Multioper Two Trans	
1,998 op)	P40L	10,1
1,632	HI3K	5,2

Multioper	ator, Single
Transmitte	r, High Powe
PJ4G	6,473,280
PJØDX	5,103,468
PZ5K	4,935,237
H72DX	4,491,924
TI1T	4,162,734
KH6J	3,431,358
TO3Z	3,084,480
V31VP	2,808,444
M6T	1,735,587
LZ5R	1,262,976
	ator, Single
Transmitte	r, Low Power
VP5V	3,295,512
TI7/WJ1B	1,022,400
ZW8T	1,015,764

Transmitte	r, Low Powe
VP5V	3,295,512
TI7/WJ1B	1,022,400
ZW8T	1,015,764
PV8AA	62,640
JE1LFX	37,296
ED3D	19,305
TC4A	15,732
G3YNN	8,214
XE2N	3,450
F4EPP	2,070

Multioper	rator,
Two Trans	smitter
P4ØL	10,149,762
HI3K	5,239,248
KH6LC	4,222,416
EA2RY	3,132,600
ZV5O	2,692,524
HG7T	1,362,594
IK2YCW	1,248,426
KL7RA	1,146,216
RL3A	696,891
XE2B	458,598

#### Multioperator, Multitransmitter 3,401,838 1,408,260 935,256 C6ANM LZ9W JA3YBK

# **Sponsored Plaque Winners**

Thanks to the generous support of numerous clubs and individuals, we are pleased to list the winners of the Sponsored DX Phone plaques below. For more information on plaque sponsorship or to order a duplicate plaque, contact ARRL Contest Branch Manager Bart Jahnke, W9JJ, at 860-594-0232 or w9jj@arrl.org. Plaques costs \$75, which includes all shipping charges.

Plaque Category	Plaque Sponsor	Winner
CW		
V/VE Single Operator, High Power	Frankford Radio Club	KM7W (KL9A, op)
V/VE Single Operator, Low Power	The CW Operators' Club	N8II
V/VE Single Operator, QRP	Bill Parker, W8QZA	N7IR
V/VE Single Operator Unlimited, High Power	Harold Ritchey, W3WPG, Memorial	AA3B
V/VE Single Operator Unlimited, Low Power	Chick Allen, NW3Y	W3KB
V/VE Multioperator, Single Transmitter, High Power	The CW Operators' Club	W2FU
I/VE Multioperator, Two Transmitter	The CW Operators' Club	K1LZ
//VE Multioperator, Unlimited Transmitter	Drew Vonada-Smith, K3PA	W3LPL
//VE 1.8 MHz	Jerry Rosalius, WB9Z	W4ZV
//VE 3.5 MHz	The CW Operators' Club	W3BGN
I/VE 7 MHz	Drew Vonada-Smith, K3PA	N2MF
I/VE 14 MHz	The CW Operators' Club	KU2M
//VE 21 MHz	Carl Luetzelschwab, K9LA	N2PP
//VE 28 MHz	Richard Hassell-Bennett, KØXG	K4WI
/orld Single Operator, High Power	North Jersey DX Association	TI7W (N4YDU, op)
/orld Single Operator, Low Power	The CW Operators' Club	ZF9CW
		NP4Z
forld Single Operator, QRP	Gerald (Jerry) Griffin, K6MD/DK6MX	
/orld Single Operator Unlimited, High Power	The CW Operators' Club	V26M (N3AD, op)
orld Single Operator Unlimited, Low Power	The CW Operators' Club	P40W (W2GD, op)
orld Multioperator, Single Transmitter, High Power	John Patterson, WCØW/V31TP	ZF1A
/orld Multioperator, Single Transmitter, Low Power	John Patterson, WCØW/V31TP	V3T
/orld Multioperator, Two Transmitters	Frankford Radio Club – K2TD Memorial	PJ4A
/orld Multioperator, Unlimited	H. Stephen Miller, NØSM	PJ2T
orld Malloperator, Orlinnied Orld 3.5 MHz		XE2X
	W1FJ, In Memory of W1BIH & N4XR	
/orld 7 MHz	The CW Operators' Club	FY5KE
/orld 21 MHz	Caribbean Contesting Consortium, PJ2T	TO1A
tlantic Division Single Operator	Chick Allen, NW3Y	AA1K
entral Division Single Operator, High Power	Northern Illinois DX Association	W9RE
entral Division Single Operator, Low Power	Society of Midwest Contesters	N9CK
entral Division Single Operator Unlimited, High Power	Society of Midwest Contesters	K9NW
Pentral Division Single Operator Unlimited, Low Power	Society of Midwest Contesters	W9XT
Pentral Division Multioperator, Single Transmitter		AA9A
	Society of Midwest Contesters	
reat Lakes Division Single Operator	North Coast Contesters	NA8V
acific Division Single Operator, Low Power	Central California DX Club, Inc., W6MEL	N6ZFO
S Seventh Call Area Single Operator High Power	Willamette Valley DX Club	N9RV
sia Multioperator, Single Transmitter, High Power	Yankee Clipper Contest Club	JH4UYB
Caribbean Single Operator, Low Power	Frankford Radio Club – 9Y4VU Memorial	ZF9CW
Europe Single Operator, High Power	Jim George, N3BB	CR6K (CT1ILT, op)
Europe Single Operator, Low Power	Jeff Hartley, N8II	IK1JJM
Europe Single Operator, QRP	The CW Operators' Club	HB9BMY
Europe Single Operator Unlimited, High Power	The CW Operators' Club	LX7I (DL5SE, op)
Europe Multioperator, Single Transmitter	The CW Operators' Club	CU4DX
Europe Multioperator, Two Transmitter	The CW Operators' Club	IR4X
urope Multioperator, Unlimited	Charles Wooten, NF4A	9A1A
apan Single Operator, Low Power	The CW Operators' Club	JI1RXQ
lorth America Multioperator, Single Transmitter	The CW Operators' Club	ZF1A
Jorth America Single Operator, High Power	Potomac Valley Radio Club	TI7W (N4YDU, op)
lorth America Single Operator, Low Power	Fred Hoffert, NA2U	ZF9CW
lorth America Single Operator, QRP	The CW Operators' Club	V31MA
	·	
V/VE Single Operator, High Power, Combined Score CW and Phone	Chick Allen, NW3Y	N1UR
hone		
//VE Single Operator, High Power	Frankford Radio Club	XL3A (VE3AT, op)
	Pete Carter, K3VW, Memorial	VE3EĴ
V/VE Single Operator Unlimited, High Power		K3LR
	In Memory of Deb Jahnke, K1DAJ	
//VE Multioperator, Unlimited Transmitter	In Memory of Deb Jahnke, K1DAJ Butch Greve, W9EWC, Memorial	W2MF
//VE Multioperator, Unlimited Transmitter //VE 1.8 MHz	Butch Greve, W9EWC, Memorial	
//VE Multioperator, Unlimited Transmitter //VE 1.8 MHz //VE 7 MHz	Butch Greve, W9EWC, Memorial Charles Wooten, NF4A	W7WA
//VE Multioperator, Unlimited Transmitter //VE 1.8 MHz //VE 7 MHz //VE 21 MHz	Butch Greve, W9EWC, Memorial Charles Wooten, NF4A Northern Illinois DX Association	W7WA KØEJ
//VE Multioperator, Unlimited Transmitter //VE 1.8 MHz //VE 7 MHz //VE 21 MHz SA Single Operator, High Power	Butch Greve, W9EWC, Memorial Charles Wooten, NF4A Northern Illinois DX Association Ed Sawyer, N1UR	W7WA KØEJ N1UR
//VE Multioperator, Unlimited Transmitter //VE 1.8 MHz //VE 7 MHz //VE 21 MHz SA Single Operator, High Power /orld 14 MHz	Butch Greve, W9EWC, Memorial Charles Wooten, NF4A Northern Illinois DX Association Ed Sawyer, N1UR Don Wallace, W6AM, Memorial Award	W7WA KØEJ N1UR V26K (AA3B, op)
//VE Multioperator, Unlimited Transmitter //VE 1.8 MHz //VE 7.8 MHz //VE 7 MHz //VE 21 MHz SA Single Operator, High Power /orld 14 MHz /orld Single Operator, High Power	Butch Greve, W9EWC, Memorial Charles Wooten, NF4A Northern Illinois DX Association Ed Sawyer, N1UR Don Wallace, W6AM, Memorial Award North Jersey DX Association	W7WA KØEJ N1UR V26K (AA3B, op) 8P5A (W2SC, op)
//VE Multioperator, Unlimited Transmitter //VE 1.8 MHz //VE 7.8 MHz //VE 7 MHz //VE 21 MHz SA Single Operator, High Power /orld 14 MHz /orld Single Operator, High Power	Butch Greve, W9EWC, Memorial Charles Wooten, NF4A Northern Illinois DX Association Ed Sawyer, N1UR Don Wallace, W6AM, Memorial Award	W7WA KØEJ N1UR V26K (AA3B, op)
//VE Multioperator, Unlimited Transmitter //VE 1.8 MHz //VE 7 MHz //VE 7 MHz SA Single Operator, High Power /orld 14 MHz /orld Single Operator, Ligh Power /orld Single Operator, Low Power /orld Single Operator, Low Power	Butch Greve, W9EWC, Memorial Charles Wooten, NF4A Northern Illinois DX Association Ed Sawyer, N1UR Don Wallace, W6AM, Memorial Award North Jersey DX Association Arizona Outlaws Contest Club	W7WA KØEJ N1UR V26K (AA3B, op) 8P5A (W2SC, op) ZF9CW
//VE Multioperator, Unlimited Transmitter //VE 1.8 MHz //VE 7 MHz //VE 7 MHz SA Single Operator, High Power /orld 14 MHz /orld Single Operator, High Power /orld Single Operator, Low Power /orld Single Operator, Low Power /orld Single Operator, QRP	Butch Greve, W9EWC, Memorial Charles Wooten, NF4A Northern Illinois DX Association Ed Sawyer, N1UR Don Wallace, W6AM, Memorial Award North Jersey DX Association Arizona Outlaws Contest Club Bill Parker, W8QZA	W7WA KØEJ N1UR V26K (AA3B, op) 8P5A (W2SC, op) ZF9CW R2GM
//VE Multioperator, Unlimited Transmitter //VE 1.8 MHz //VE 7.8 MHz //VE 21 MHz SA Single Operator, High Power /orld 14 MHz /orld 14 MHz /orld Single Operator, Low Power /orld Single Operator, Low Power /orld Single Operator, QRP /orld Single Operator, QRP /orld Single Operator Unlimited, High Power	Butch Greve, W9EWC, Memorial Charles Wooten, NF4A Northern Illinois DX Association Ed Sawyer, N1UR Don Wallace, W6AM, Memorial Award North Jersey DX Association Arizona Outlaws Contest Club Bill Parker, W8QZA Charles Dietz, W5PR	W7WA KØEJ N1UR V26K (AA3B, op) 8P5A (W2SC, op) ZF9CW R2GM ED7W (EA7OT, op
//VE Multioperator, Unlimited Transmitter //VE 1.8 MHz //VE 7 MHz //VE 21 MHz SA Single Operator, High Power /orld 14 MHz /orld 14 MHz /orld Single Operator, High Power /orld Single Operator, Low Power /orld Single Operator, QPP /orld Single Operator, QPP /orld Single Operator, QPP /orld Single Operator Unlimited, High Power /entral Division Single Operator, High Power	Butch Greve, W9EWC, Memorial Charles Wooten, NF4A Northern Illinois DX Association Ed Sawyer, N1UR Don Wallace, W6AM, Memorial Award North Jersey DX Association Arizona Outlaws Contest Club Bill Parker, W8QZA Charles Dietz, W5PR Society of Midwest Contesters	W7WA K0EJ N1UR V26K (AA3B, op) 8P5A (W2SC, op) ZF9CW R2GM ED7W (EA7OT, op W9RE
V/VE Multioperator, Unlimited Transmitter V/VE 1.8 MHz V/VE 7 MHz V/VE 7 MHz V/VE 21 MHz ISA Single Operator, High Power Vorld 14 MHz Vorld Single Operator, High Power Vorld Single Operator, Low Power Vorld Single Operator, QRP Vorld Single Operator Unlimited, High Power Vorlatnat Division Single Operator, High Power Ventral Division Single Operator, High Power Ventral Division Single Operator, Low Power	Butch Greve, W9EWC, Memorial Charles Wooten, NF4A Northern Illinois DX Association Ed Sawyer, N1UR Don Wallace, W6AM, Memorial Award North Jersey DX Association Arizona Outlaws Contest Club Bill Parker, W8QZA Charles Dietz, W5PR Society of Midwest Contesters Society of Midwest Contesters	W7WA K0EJ N1UR V26K (AA3B, op) 8P5A (W2SC, op) ZF9CW R2GM ED7W (EA7OT, op W9RE N4TZ
//VE Multioperator, Unlimited Transmitter //VE 1.8 MHz //VE 7 MHz //VE 21 MHz SA Single Operator, High Power //orld 14 MHz //orld Single Operator, High Power //orld Single Operator, Low Power //orld Single Operator, CwP //orld Single Operator Unlimited, High Power	Butch Greve, W9EWC, Memorial Charles Wooten, NF4A Northern Illinois DX Association Ed Sawyer, N1UR Don Wallace, W6AM, Memorial Award North Jersey DX Association Arizona Outlaws Contest Club Bill Parker, W8QZA Charles Dietz, W5PR Society of Midwest Contesters Society of Midwest Contesters Society of Midwest Contesters	W7WA K0EJ N1UR V26K (AA3B, op) 8P5A (W2SC, op) ZF9CW R2GM ED7W (EA7OT, op W9RE N4TZ WO9Z
V/VE Nultioperator, Unlimited Transmitter V/VE 1.8 MHz V/VE 7. MHz V/VE 21 MHz VSA Single Operator, High Power Vorld 14 MHz Vorld Single Operator, High Power Vorld Single Operator, Low Power Vorld Single Operator, CwP Vorld Single Operator Unlimited, High Power Vorld Single Operator Unlimited, High Power Vorlat Division Single Operator, High Power Vorlat Division Single Operator, Low Power Vorlat Division Single Operator Unlimited, High Power Vorlated Division Single Operator Unlimited, High Power Vorlated Division Single Operator Unlimited, High Power	Butch Greve, W9EWC, Memorial Charles Wooten, NF4A Northern Illinois DX Association Ed Sawyer, N1UR Don Wallace, W6AM, Memorial Award North Jersey DX Association Arizona Outlaws Contest Club Bill Parker, W8QZA Charles Dietz, W5PR Society of Midwest Contesters Society of Midwest Contesters	W7WA K0EJ N1UR V26K (AA3B, op) 8P5A (W2SC, op) ZF9CW R2GM ED7W (EA7OT, op W9RE N4TZ
IV/E Single Operator Unlimited, High Power V/VE Multioperator, Unlimited Transmitter V/VE 1.8 MHz V/VE 7 MHz V/VE 7 MHz V/VE 21 MHz V/VE 21 MHz V/VE 3 MHz Vorld Single Operator, High Power Vorld 14 MHz Vorld Single Operator, Low Power Vorld Single Operator, Low Power Vorld Single Operator, QRP Vorld Single Operator Unlimited, High Power Vorlat Division Single Operator, Low Power Vorlat Division Single Operator Unlimited, High Power Vorlat Division Single Operator Unlimited, Low Power Vorlat Area Single Operator Unlimited, Low Power Vorlat Area Single Operator Unlimited, High Power	Butch Greve, W9EWC, Memorial Charles Wooten, NF4A Northern Illinois DX Association Ed Sawyer, N1UR Don Wallace, W6AM, Memorial Award North Jersey DX Association Arizona Outlaws Contest Club Bill Parker, W8QZA Charles Dietz, W5PR Society of Midwest Contesters Society of Midwest Contesters Society of Midwest Contesters	W7WA K0EJ N1UR V26K (AA3B, op) 8P5A (W2SC, op) ZF9CW R2GM ED7W (EA7OT, op W9RE N4TZ WO9Z
V/VE Multioperator, Unlimited Transmitter V/VE 1.8 MHz V/VE 7 MHz V/VE 7 MHz V/VE 91 MHz ISA Single Operator, High Power Vorld 14 MHz Vorld Single Operator, High Power Vorld Single Operator, Low Power Vorld Single Operator, CRP Vorld Single Operator Unlimited, High Power Vorld Single Operator Unlimited, High Power Vorld Division Single Operator, Low Power Vorlat Division Single Operator, Low Power Vorlat Division Single Operator Unlimited, High Power Vorlat Division Single Operator Unlimited, High Power Vorlat Division Single Operator Unlimited, High Power Vorlat Area Single Operator Unlimited, High Power Vorlat Area Single Operator Unlimited, High Power	Butch Greve, W9EWC, Memorial Charles Wooten, NF4A Northern Illinois DX Association Ed Sawyer, N1UR Don Wallace, W6AM, Memorial Award North Jersey DX Association Arizona Outlaws Contest Club Bill Parker, W8GZA Charles Dietz, W5PR Society of Midwest Contesters Contesters Charles Wooten, NF4A	W7WA K0EJ N1UR V26K (AA3B, op) 8P5A (W2SC, op) ZF9CW R2GM ED7W (EA7OT, op) W9RE N4TZ W09Z W9XT W6DVS
V/VE 1.8 MHz V/VE 1.8 MHz V/VE 1.8 MHz V/VE 2.1 MHz V/VE 2.1 MHz VSA Single Operator, High Power Vorld 14 MHz Vorld Single Operator, High Power Vorld Single Operator, Low Power Vorld Single Operator, CAP Vorld Single Operator Unlimited, High Power Vorld Single Operator Unlimited, High Power Vorlat Division Single Operator, High Power Vorlat Division Single Operator Unlimited, Low Power Vorlat Division Single Operator Unlimited, Low Power Vorlat Division Single Operator Unlimited, High Power Vorlat Alexa Single Operator Unlimited, High Power	Butch Greve, W9EWC, Memorial Charles Wooten, NF4A Northern Illinois DX Association Ed Sawyer, N1UR Don Wallace, W6AM, Memorial Award North Jersey DX Association Arizona Outlaws Contest Club Bill Parker, W8QZA Charles Dietz, W5PR Society of Midwest Contesters Charles Wooten, NF4A North Coast Contesters	W7WA K0EJ N1UR V26K (AA3B, op) 8P5A (W2SC, op) ZF9CW R2GM ED7W (EA7OT, op W9RE N4TZ W09Z W9XT W6DVS NA8V
//VE Multioperator, Unlimited Transmitter //VE 1.8 MHz //VE 7 MHz SA Single Operator, High Power //orld 14 MHz //orld Miller //orld Single Operator, High Power //orld Single Operator, Low Power //orld Single Operator, QRP //orld Single Operator, QRP //orld Single Operator, Unlimited, High Power //orld Single Operator Unlimited, High Power //orld Single Operator, Low Power //orld Single Operator, Low Power //orld Single Operator Unlimited, High Power //orld Single Operator Unlimited, Low Power //orld Single Operator Unlimited, High Power //orld Single Operator, Low Power	Butch Greve, W9EWC, Memorial Charles Wooten, NF4A Northern Illinois DX Association Ed Sawyer, N1UR Don Wallace, W6AM, Memorial Award North Jersey DX Association Arizona Outlaws Contest Club Bill Parker, W8QZA Charles Dietz, W5PR Society of Midwest Contesters Society of Midwest Contesters Society of Midwest Contesters Society of Midwest Contesters Charles Wooten, NF4A North Coast Contesters Charles Wooten, NF4A	W7WA K0EJ N1UR V26K (AA3B, op) 8P5A (W2SC, op) ZF9CW R2GM ED7W (EA7OT, op) W9RE N4TZ W09Z W9XT W6DVS NA8V KF4DX
//VE Multioperator, Unlimited Transmitter //VE 1.8 MHz //VE 7 MHz SA Single Operator, High Power //orld 14 MHz //orld Single Operator, High Power //orld Single Operator, Low Power //orld Single Operator, Cap //orld Single Operator, Unlimited, High Power //orld Single Operator Unlimited, High Power //orld Single Operator Unlimited, High Power //orld Division Single Operator, Low Power //orld Division Single Operator, Low Power //orld Division Single Operator Unlimited, High Power //orld Division Single Operator Unlimited, High Power //orld Area Single Operator Unlimited, High Power //orld Lakes Division Single Operator, Low Power //orld Single Operator High Power	Butch Greve, W9EWC, Memorial Charles Wooten, NF4A Northern Illinois DX Association Ed Sawyer, N1UR Don Wallace, W6AM, Memorial Award North Jersey DX Association Arizona Outlaws Contest Club Bill Parker, W8QZA Charles Dietz, W5PR Society of Midwest Contesters Contesters Charles Wooten, NF4A North Coast Contesters Charles Wooten, NF4A Willamette Valley DX Club	W7WA K0EJ N1UR V26K (AA3B, op) 8P5A (W2SC, op) ZF9CW R2GM ED7W (EA7OT, op) W9RE N4TZ W09Z W9XT W6DVS NA8V KF4DX N7ZG
WVE Multioperator, Unlimited Transmitter WVE 1.8 MHz WVE 1.8 MHz WVE 21 MHz SA Single Operator, High Power World Single Operator, High Power World Single Operator, Low Power World Single Operator, Low Power World Single Operator, Unlimited, High Power World Single Operator Unlimited, High Power World Single Operator, High Power World Single Operator Unlimited, High Power World Single Single Operator High Power World Single Transmitter, High Power	Butch Greve, W9EWC, Memorial Charles Wooten, NF4A Northern Illinois DX Association Ed Sawyer, N1UR Don Wallace, W6AM, Memorial Award North Jersey DX Association Arizona Outlaws Contest Club Bill Parker, W8QZA Charles Dietz, W5PR Society of Midwest Contesters Charles Wooten, NF4A North Coast Contesters Charles Wooten, NF4A Willamette Valley DX Club Yankee Clipper Contest Club	W7WA K0EJ N1UR V26K (AA3B, op) 8P5A (W2SC, op) ZF9CW R2GM ED7W (EA7OT, op W9RE N4TZ W09Z W9XT W6DVS NA8V KF4DX N7ZG JH4UYB
//VE Multioperator, Unlimited Transmitter //VE 1.8 MHz //VE 7 MHz SA Single Operator, High Power //orld 14 MHz //orld Single Operator, High Power //orld Single Operator, Low Power //orld Single Operator, QRP //orld Single Operator, QRP //orld Single Operator, Unlimited, High Power entral Division Single Operator, High Power entral Division Single Operator, Low Power entral Division Single Operator Unlimited, High Power entral Division Single Operator Unlimited, Low Power entral Division Single Operator Unlimited, Low Power ourth Call Area Single Operator Unlimited, High Power reat Lakes Division Single Operator outheastern Division Single Operator Single Operator Low Power SA Seventh Call Area Single Operator High Power sia Multioperator Single Transmitter, High Power	Butch Greve, W9EWC, Memorial Charles Wooten, NF4A Northern Illinois DX Association Ed Sawyer, N1UR Don Wallace, W6AM, Memorial Award North Jersey DX Association Arizona Outlaws Contest Club Bill Parker, W8QZA Charles Dietz, W5PR Society of Midwest Contesters Contesters Charles Wooten, NF4A North Coast Contesters Charles Wooten, NF4A Willamette Valley DX Club	W7WA K0EJ N1UR V26K (AA3B, op) 8P5A (W2SC, op) ZF9CW R2GM ED7W (EA7OT, op) W9RE N4TZ W09Z W9XT W6DVS NA8V KF4DX N7ZG
//VE Multioperator, Unlimited Transmitter //VE 1.8 MHz //VE 7 MHz SA Single Operator, High Power //orld 14 MHz //orld 14 MHz //orld Single Operator, Low Power //orld Single Operator, CRP //orld Single Operator, Unlimited, High Power //orld Single Operator Unlimited, High Power //orld Single Operator Unlimited, High Power //orld Single Operator, High Power //orld Single Operator, High Power //orld Single Operator, Low Power //orld Single Operator Unlimited, High Power //orld Seventh Call Area Single Operator, Low Power //orld Seventh Call Area Single Operator High Power //orld Seventh Call Area Single Operator High Power //orld Single Transmitter, High Power //orld Single Transmitter, High Power //orld Single Transmitter, High Power	Butch Greve, W9EWC, Memorial Charles Wooten, NF4A Northern Illinois DX Association Ed Sawyer, N1UR Don Wallace, W6AM, Memorial Award North Jersey DX Association Arizona Outlaws Contest Club Bill Parker, W8QZA Charles Dietz, W5PR Society of Midwest Contesters Society of Midwest Contesters Society of Midwest Contesters Society of Midwest Contesters Charles Wooten, NF4A North Coast Contesters Charles Wooten, NF4A Willamette Valley DX Club Yankee Clipper Contest Club Nick Lash, K9KLR	W7WA K0EJ N1UR V26K (AA3B, op) 8P5A (W2SC, op) ZF9CW R2GM ED7W (EA7OT, op W9RE N4TZ W09Z W9XT W6DVS NA8V KF4DX N7ZG JH4UYB
//VE Multioperator, Unlimited Transmitter //VE 1.8 MHz //VE 7.MHz //VE 7.MHz //VE 21 MHz SA Single Operator, High Power /orld 14 MHz /orld Single Operator, High Power /orld Single Operator, Low Power /orld Single Operator, ORP /orld Single Operator, ORP /orld Single Operator, ORP /orld Single Operator, High Power entral Division Single Operator, High Power entral Division Single Operator, Low Power entral Division Single Operator Unlimited, High Power entral Division Single Operator Unlimited, Low Power ourth Call Area Single Operator Unlimited, High Power reat Lakes Division Single Operator outheastern Division Single Operator SA Seventh Call Area Single Operator, Low Power sia Multioperator Single Transmitter, High Power	Butch Greve, W9EWC, Memorial Charles Wooten, NF4A Northern Illinois DX Association Ed Sawyer, N1UR Don Wallace, W6AM, Memorial Award North Jersey DX Association Arizona Outlaws Contest Club Bill Parker, W8QZA Charles Dietz, W5PR Society of Midwest Contesters Charles Wooten, NF4A North Coast Contesters Charles Wooten, NF4A Willamette Valley DX Club Yankee Clipper Contest Club	W7WA K0EJ N1UR V26K (AA3B, op) 8P5A (W2SC, op) ZF9CW R2GM ED7W (EA7OT, op W9RE N4TZ W09Z W9XT W6DVS NA8V KF4DX N7ZG JH4UYB

## **Continental Winners**

Africa Single Operator, High Power Single Operator, Low Power Single Operator, 40 Meters Single Operator, 20 Meters Single Operator, 20 Meters Single Operator, 15 Meters Single Operator, 15 Meters  Asia Single Operator, Low Power Single Operator, Low Power Single Operator Unlimited, High Power Single Operator Unlimited, Low Power Single Operator Unlimited, QRP Single Operator, 40 Meters Single Operator, 20 Meters Single Operator, 20 Meters Single Operator, Single Transmitter, Low Power Multioperator, Single Transmitter, Low Power Multioperator, Multitransmitter  Europe Single Operator, High Power Single Operator, High Power Single Operator, High Power Single Operator Unlimited, Low Power Single Operator Unlimited, Low Power Single Operator Unlimited, QRP Single Operator, 80 Meters Single Operator, 80 Meters Single Operator, 80 Meters Single Operator, 150 Meters	ZS1TMJ 5Z4 EF8I EA8ZS EA8AM EA8NF  RW0CR JH1EAQ JG7PSJ JN1ILK JQ1NGT JE1SPY JA8NFV RN0CT JE2OTM JH4UYB JE1LFX JH8YOH JA3YBK  TM0T (F4HQZ, op) EC5EA EA6FO SS2NR F5BEG HG0R GM3PPG (G4BYB, op) SS2AW TM6M (F4DXW, op) CR140AA (CU3AAA, op) M6T ED3D EA2RY LZ9W	49,368 12,408 12,408 129,744 53,595 55,872 57,582  130,845 40,872 205,884 4,860 7,878 3 14,198 150,528 99 598,560 37,296 417,600 935,256  2,887,110 73,080 1,217,460 466,137 10,332 672 122,850 259,380 594,018 28,728 1,735,587 19,305 3,132,600 1,408,260	North America Single Operator, High Power Single Operator, Low Power Single Operator Unlimited, High Power Single Operator Unlimited, Low Power Single Operator, 160 Meters Single Operator, 80 Meters Single Operator, 20 Meters Single Operator, 20 Meters Single Operator, 15 Meters Single Operator, 10 Meters Multioperator, Single Transmitter, High Power Multioperator, Single Transmitter, Low Power Multioperator, Two Transmitter Multioperator, Multitransmitter  Oceania Single Operator, High Power Single Operator Unlimited, High Power Single Operator Unlimited, High Power Single Operator, 80 Meters Single Operator, 15 Meters Single Operator, 15 Meters Single Operator, 51 Meters Single Operator, Single Transmitter, Low Power Multioperator, Low Power Single Operator Unlimited, Low Power Multioperator Unlimited, High Power Single Operator Unlimited, Low Power Single Operator Unlimited, Low Power Single Operator Unlimited, Low Power Single Operator, 160 Meters Single Operator, 160 Meters Single Operator, 20 Meters Single Operator, 20 Meters Single Operator, 15 Meters	8P5A (W2SC, op) ZF9CW V26K (AA3B, op) HH2AA (W2GD, op) NP2J (K8RF, op) XE2X CO6LP KP4RV CO6LC CO6EC PJØDX VP5V HI3K C6ANM  KH7XS (K4XS, op) KH6CJJ KH7M (NA2U, op) YG3VI (YB3VI, op) KH6QJ VK4QH DU7P NH7PE KH6J YE1ZAL KH6LC  OA4SS HC2GRC (HC2AO, op ZZ2T (PY2MNL, op) PR5K (PY5FO, op) PY2EN LU8DPM PY2LED YV1KK FY5FY FY5KE (F1HAR, op) LW7DX
Multioperator, Multitransmitter	LZ9W	1,408,260	Single Operator, 20 Meters Single Operator, 15 Meters	FY5FY FY5KE (F1HAR, op)

# The next ARRL International DX CW Contest will be held March 2 – 3, 2019.

## W1AW Schedule

W1AW's schedule is at the same local time throughout the year. From the second Sunday in March to the first Sunday in November, UTC = Eastern US time + 4 hours. For the rest of the year, UTC = Eastern US time + 5 hours.



PAC	MTN	CENT	EAST	UTC	MON	TUE	WED	THU	FRI
6 AM	7 AM	8 AM	9 AM	1300		FAST CODE	SLOW CODE	FAST CODE	SLOW CODE
7 AM- 1 PM	8 AM- 2 PM	9 AM- 3 PM	10 AM- 4 PM	1400-1600 1700-1945	VISITING OPERATOR TIME (12 PM-1 PM CLOSED FOR LUNCH)			CH)	
1 PM	2 PM	3 PM	4 PM	2000	FAST CODE	SLOW CODE	FAST CODE	SLOW CODE	FAST CODE
2 PM	3 PM	4 PM	5 PM	2100		CC	DE BULLE	ETIN	
3 PM	4 PM	5 PM	6 PM	2200	DIGITAL BULLETIN				
4 PM	5 PM	6 PM	7 PM	2300	SLOW CODE	FAST CODE	SLOW CODE	FAST CODE	SLOW CODE
5 PM	6 PM	7 PM	8 PM	0000	CODE BULLETIN				
6 PM	7 PM	8 PM	9 PM	0100	DIGITAL BULLETIN				
6 <sup>45</sup> PM	7 <sup>45</sup> PM	8 <sup>45</sup> PM	9 <sup>45</sup> PM	0145	VOICE BULLETIN				
7 PM	8 PM	9 PM	10 PM	0200	FAST CODE	SLOW CODE	FAST CODE	SLOW CODE	FAST CODE
8 PM	9 PM	10 PM	11 PM	0300		CO	DE BULLE	TIN	

♦ Morse code transmissions: Frequencies are 1.8025, 3.5815, 7.0475, 14.0475, 18.0975, 21.0675, 28.0675, 50.350, and 147.555 MHz.

Slow Code = practice sent at 5, 7½, 10, 13, and 15 WPM. Fast Code = practice sent at 35, 30, 25, 20, 15, 13, and 10 WPM. Code bulletins are sent at 18 WPM.

7.626.660 3,705,885 5,220,960 1,472,472 58,653 195,762 26,574 169,344 37,638 5,103,468 3,295,512 5,239,248 3,401,838

5,188,314 448,803 2,113,464 1,023 273 52,632 2,484 3,431,358 4,222,416

1,632,306 1,788,366 1,919,097 175,500 2,142 2,040 86,130 389,880 653,418 441,969 84,780 6,473,280 1,015,764

10,149,762

- ♦ W1AW Qualifying Runs are sent on the same frequencies as the Morse code transmissions. West coast qualifying runs are transmitted by various west coast stations on CW frequencies that are normally used by W1AW, in addition to 3590 kHz, at various times. Underline 1 minute of the highest speed you copied, certify that your copy was made without aid, and send it to ARRL for grading. Please include your name, call sign (if any), and complete mailing address. Fees: \$10 for a certificate, \$7.50 for endorsements.
- Digital transmissions: Frequencies are 3.5975, 7.095, 14.095, 18.1025, 21.095, 28.095, 50.350, and 147.555 MHz.

Bulletins are sent using 45.45-baud Baudot, PSK31 in BPSK mode, and MFSK16 on a daily revolving schedule.

Keplerian elements for many amateur satellites will be sent on the regular digital frequencies on Tuesdays and Fridays at 6:30 PM Eastern time using

- ♦ Voice transmissions: Frequencies are 1.855, 3.99, 7.29, 14.29, 18.16, 21.39, 28.59, 50.350, and 147.555 MHz. Voice transmissions on 7.290 MHz are in AM double sideband, full carrier.
- ♦ Notes: On Fridays, UTC, a DX bulletin replaces the regular bulletins. W1AW is open to visitors 10 AM to noon and 1 PM to 3:45 PM Monday through Friday. FCC-licensed amateurs may operate the station during that time. Be sure to bring your current FCC amateur license or a photocopy. In a communication emergency, monitor W1AW for special bulletins as follows: voice on the hour, teleprinter at 15 minutes past the hour, and CW on the half hour.

W1AW code practice and CW/digital/phone bulletin transmission audio is also available real-time via the *EchoLink Conference Server* W1AWBDCT. The conference server runs concurrently with the regularly scheduled station transmissions. The W1AW Qualifying Run texts can also be copied via the EchoLink Conference Server.

During 2018, Headquarters and W1AW are closed on New Year's Day, Presidents Day (February 19), Good Friday (March 30), Memorial Day (May 28), Independence Day (July 4), Labor Day (September 3), Thanksgiving and the following day (November 22 and 23), and Christmas (December 25). For more information, visit us at www.arrl.org/w1aw.