







USA, TX	212.0	LIU	Littlefield							02	07	06	01	10		01				11				
USA, TX	215.0	CSZ	"Crossroads" Athens																	23				
USA, VA	237.0	EZF	"Shannon" Fredericksburg				09	01						00			00	03	16					
USA, VT	221.0	DYO	"Smuto" Rutland														10							
USA, WI	221.0	RP	"Wickr" Rice Lake Airport, Carl's Field											17	11	17								
USA, WI	239.0	TN	"Tribe" Menominee											17										
Cou, S/P	QRG	ID	Name	AUS NSW mjn	AUS SA rw	CAN BC sm	CAN NS vm	CAN ON tsr	HWA mx	USA AZ sr	USA CA ha	USA CA od	USA CO ac	USA IL dt	USA MO dp	USA NE dn	USA NH jc	USA OH ra	USA PA el	USA TX du	USA VT se	USA WA rt	USA WA so	USA WA wo

**COUNTRIES HEARD:**

This table shows the number of NDBs logged from each radio country by each reporter.

Cou	Cou-Name	AUS NSW mjn	AUS SA rw	CAN BC sm	CAN NS vm	CAN ON tsr	HWA mx	USA AZ sr	USA CA ha	USA CA od	USA CO ac	USA IL dt	USA MO dp	USA NE dn	USA NH jc	USA OH ra	USA PA el	USA TX du	USA VT se	USA WA rt	USA WA so	USA WA wo
ALS	Alaska, AK			6			2	2	1	2	1									5	5	2
AUI	Austral Islands (Iles Tubuai)							1														
AUS	Australia, NN		1																			
AUS	Australia, NW	2	3																			
AUS	Australia, QD		2																			
AUS	Australia, SA		1																			
AUS	Australia, VI		2																			
AUS	Australia, WE		3																			
BRA	Brazil				1																	
CAN	Canada, AB			6				3	2		2			2						5	5	2
CAN	Canada, BC			5			1	4	3	5	2	1						1		5	4	4
CAN	Canada, MB			6	1	1		6	3	2	6	7	2	7		2		4		5	5	3
CAN	Canada, NB				2							1			2	2	1		1			
CAN	Canada, NL				2	1						1		1	1	1		1	1			
CAN	Canada, NS			1	2	1					1	2	1	1	2	1	1	1	1			
CAN	Canada, NU			1	3					1										1		
CAN	Canada, ON			3	6	6			1		2	7	1	5	7	6	2	3	2	1		
CAN	Canada, QC			4	13	6					3	9	2	5	10	6	4	4	5			
CAN	Canada, SK			3				2	2	1	3	2		2				1		2	3	1
CAN	Canada, YT			2																2	1	
INS	Indonesia		1																			
NZL	New Zealand		1																			
TUA	Tuamotu Archipelago							1														
USA	USA, AL											1		1		1						
USA	USA, AR										1	2	1	2		1						
USA	USA, AZ			1				1	1	1	1	1		1						1	1	
USA	USA, CO							1	1	1	1	1	1	1							1	
USA	USA, GA															3	1					
USA	USA, IA										1	1	1	1								
USA	USA, IN				1	1						3	1	1		3	1					
USA	USA, KS										1	1		1								
USA	USA, KY											2				1	1					
USA	USA, LA										1	1		1								
USA	USA, MD															1	1					
USA	USA, MI										1	2	1	1		1						
USA	USA, MO				1	1					1	2	2	2		1						
USA	USA, NC					1		1	1	1	1	1	1	1	1	3	3	1				
USA	USA, NE			1				1	1		1	1		1						1	1	1
USA	USA, NH														2							

USA	USA, NY					2									1									
USA	USA, OH														1									
USA	USA, OK														1									
USA	USA, PA				1										1									
USA	USA, SD														1									
USA	USA, TN														1									
USA	USA, TX														1									
USA	USA, VA				1	1			1	1	1				1									
USA	USA, VT														1									
USA	USA, WI														1									
Cou	Cou-Name	AUS NSW mjn	AUS SA rw	CAN BC sm	CAN NS vm	CAN ON tsr	HWA mx	USA AZ sr	USA CA ha	USA CA od	USA CO ac	USA IL dt	USA MO dp	USA NE dn	USA NH jc	USA OH ra	USA PA el	USA TX du	USA VT se	USA WA rt	USA WA so	USA WA wo		

**LISTENING TIMES:**

This table shows the number of NDBs logged by each reporter during the time periods.

UTC (hh)	AUS NSW mjn	AUS SA rw	CAN BC sm	CAN NS vm	CAN ON tsr	HWA mx	USA AZ sr	USA CA ha	USA CA od	USA CO ac	USA IL dt	USA MO dp	USA NE dn	USA NH jc	USA OH ra	USA PA el	USA TX du	USA VT se	USA WA rt	USA WA so	USA WA wo		
00:00 - 00:59					2						6	4	8	15	1								
01:00 - 01:59		6		1	4		1			3	7	1	12	4		2		4					
02:00 - 02:59							3									4	1	5			10		
03:00 - 03:59							2								37	8		1			3		
04:00 - 04:59				1	2		2														2		5
05:00 - 05:59			9	1	1		1												7				
06:00 - 06:59			3	1		3		5	3				1								6		
07:00 - 07:59			5	2				9		1		2					3			2	1		
08:00 - 08:59			3	5				3	2			4	4							8			
09:00 - 09:59			6	5					3	8					1					1			
10:00 - 10:59			12						4	1	14			1			6			1			
11:00 - 11:59									2	8	2	1					4			1	3		
12:00 - 12:59		3			7		11			9							16				1		
13:00 - 13:59			1				4		1														7
14:00 - 14:59	2	2									1												
15:00 - 15:59																							
16:00 - 16:59		3														4							1
17:00 - 17:59				10							22	4	18										
18:00 - 18:59				1																			
19:00 - 19:59						1																	
20:00 - 20:59											1												
21:00 - 21:59				1																			
22:00 - 22:59				2																			
23:00 - 23:59				4	4					3	7			7		1	2						
UTC (hh)	AUS NSW mjn	AUS SA rw	CAN BC sm	CAN NS vm	CAN ON tsr	HWA mx	USA AZ sr	USA CA ha	USA CA od	USA CO ac	USA IL dt	USA MO dp	USA NE dn	USA NH jc	USA OH ra	USA PA el	USA TX du	USA VT se	USA WA rt	USA WA so	USA WA wo		
<b>NDBs:</b>	2	14	39	34	21	3	24	17	15	33	60	16	43	28	39	19	32	10	28	26	13		

**NDB COUNTS, BY FREQUENCY:**

and the number logged by all on each frequency, ignoring offsets:

NDBs	QRG	AUS NSW	AUS SA	CAN BC	CAN NS	CAN ON	HWA	USA AZ	USA CA	USA CA	USA CO	USA IL	USA MO	USA NE	USA NH	USA OH	USA PA	USA TX	USA VT	USA WA	USA WA	USA WA	NDBs
		mjn	rw	sm	vm	tsr	mx	sr	ha	od	ac	dt	dp	dn	jc	ra	el	du	se	rt	so	wo	
1	198.0					1		1	1	1	1	1	1	1	1	1	1	1					1
3	200.0			2		1		1	1	2	3	2	1	1	1	1	1	1		2	1	2	3
7	201.0		1	2	2			2	1	1	3	4		3	2	1		2		2	2		7
4	203.0		1	2				2	1	2		1		1						2	2	1	4
3	204.0			1	1	1		1			1	1		1						1	1		3
2	205.0																1	1	1				2
4	206.0			2	1	2					2	3	2	3	1	1	1	1	1				4
3	207.0			1	2	1		1	1	1	1	2	1	2	1	1	1	1		2	2		3
6	209.0			2	2	1	1	2	1	2	2	3	2	2	3	1	2	2	1	1	2	1	6
1	210.0											1				1	1	1					1
1	211.0											1				1	1	1					1
10	212.0		2	2	2	1		2	2	2	3	5	2	3	1	2	1	3	1	2	2	1	10
1	213.0				1							1			1								1
2	214.0			1	1															1			2
4	215.0			2	1	1		2			2	2		2		1		1		1	1	1	4
3	216.0			1	2							2		1	3	1				1	1	1	3
4	218.0		2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	4
5	219.0			1	1			1	1	1	1	1		1	1	2	2	1		1	1	1	5
2	220.0			1	1	1						1		1	1	2	1	1	1				2
9	221.0		2	2	2	1		1	1		1	3	1	1	2	2	1	1		1	1	1	9
3	223.0			1								1		1		2	1			1	1		3
6	224.0	1	1	3	2	1		1	2	1	2	2	1	3	2	3	1	2	1	2	1	1	6
1	225.0			1					1											1	1		1
7	227.0		1	2	1	1		1			1	4	3	3		4	1	2		1	1		7
1	229.0			1																1	1		1
6	230.0		1	1	3	1					2	4		3	2	1	1	3	1				6
1	231.0					1																	1
1	232.0				1	1						1			1	1							1
8	233.0		1	3	1	1	1	3	2	1	4	5	1	4	1	4	1	4	1	3	3	3	8
2	234.0											1		1	1	1		1					2
1	235.0			1	1	1					1	1		1	1	1	1		1				1
4	236.0			2	1	1						3		2	1	1	1	2	1	1	1		4
3	237.0				3	1						1			1	1	1						3
2	238.0		1	1					1		1					1	1				1		2
2	239.0	1	1									1											2
1	282.5							1															1
1	284.5							1															1
1	381.5				1						1	1	1	1		1							1
NDBs	QRG	AUS NSW	AUS SA	CAN BC	CAN NS	CAN ON	HWA	USA AZ	USA CA	USA CA	USA CO	USA IL	USA MO	USA NE	USA NH	USA OH	USA PA	USA TX	USA VT	USA WA	USA WA	USA WA	NDBs
		mjn	rw	sm	vm	tsr	mx	sr	ha	od	ac	dt	dp	dn	jc	ra	el	du	se	rt	so	wo	

**MOB:** The following NDBs were heard by one reporter only - 'Mine Only Beacons' !  
(Occasionally an entry may be the result of an incorrectly received ident)

QRG	ID	Name	S/P	ITU	Rptr	UTC
224.0	BH	"Mc Den" Birmingham	AL	USA	dn	0018
239.0	TN	"Tribe" Menominee	WI	USA	dt	1729
212.0	HP	"Anger" Hammond	LA	USA	du	1130

215.0	CSZ	"Crossroads" Athens	TX	USA	du	2338
209.0	MJ	Lawrence Corner	NH	USA	jc	2359
216.0	CO	"Epsom" Concord	NH	USA	jc	0004
209.0	GF	"Ganse" Glens Falls	NY	USA	jc	2359
219.0	YMG	Manitouwadje	ON	CAN	jc	0119
201.0	GL	La Grande Riviere	QC	CAN	jc	2353
205.0	YRQ	Trois Rivieres	QC	CAN	jc	0137
221.0	DYO	"Smuto" Rutland	VT	USA	jc	1025
233.0	AG	"Bushe" Augusta	GA	USA	ra	0332
234.0	EQQ	"Coweta County" Newnan	GA	USA	ra	0332
233.0	AYE	Ayers Rock	NN	AUS	rw	0135
221.0	WG	Wagga Wagga	NW	AUS	rw	0135
212.0	IFL	Innisfail	QD	AUS	rw	1640
218.0	CMU	Cunnamulla	QD	AUS	rw	0135
227.0	OOM	Moomba	SA	AUS	rw	0135
203.0	HML	Hamilton	VI	AUS	rw	0135
212.0	SHT	Shepparton	VI	AUS	rw	0135
218.0	WBR	Warburton Range	WE	AUS	rw	1230
221.0	KU	Kununurra	WE	AUS	rw	1440
230.0	LST	Leinster	WE	AUS	rw	1430
201.0	WK	Waikabubak		INS	rw	1635
238.0	KT	Kaitaia		NZL	rw	1630
221.0	9A	Hanna	AB	CAN	sm	0930
227.0	MHM	Minchumina	AK	ALS	sm	0700
282.5	RT	Avera (Rurutu Island)		AUI	sr	1315
284.5	MH	Manihi Atoll (Tuamotu Archipelago)		TUA	sr	1315
204.0	GB	"Plazz" Buffalo	NY	USA	tsr	2335
231.0	BU	"Klump" Buffalo	NY	USA	tsr	1247
237.0	7C	Fogo	NL	CAN	vm	2325
204.0	YFY	Forbay - Iqaluit	NU	CAN	vm	0456
214.0	YIO	Pond Inlet	NU	CAN	vm	0952
237.0	YJI	Broughton / Qikiqtarjuaq	NU	CAN	vm	0920
201.0	YIF	St. Augustin	QC	CAN	vm	1606
212.0	YTQ	Tasiujaq	QC	CAN	vm	0948
219.0	W7	"Pabok" Du Rocher-Pierce	QC	CAN	vm	1612
221.0	YAS	Kangirsuk	QC	CAN	vm	0618
230.0	TBT	Tabatinga		BRA	vm	0527

### FREQUENCIES REVISITED - Progress Statistics

(Please see the explanation below)

**THEN** CLE257 190-239.9 kHz / 190.5-999.5 kHz 26.06.2020 - 29.06.2020  
**NOW** CLE273 190-239.9 kHz / 190.5-999.5 kHz 22.10.2021 - 25.10.2021

Listener	Av km		Total km x		NDBs		Max km	
	THEN	NOW	1000	1000	THEN	NOW	THEN	NOW
AUS, SA rw	1611	1535	16	21	10	14	3401	3401
CAN, BC sm	1037	1801	27	70	26	39	2089	4569
CAN, NS vm	1071	1295	40	44	37	34	2333	5536
HWA mx	4371	4402	9	13	2	3	4428	4465
USA, AZ sr	1524	2693	15	65	10	24	4096	7388
USA, CA ha	1306	2137	3	36	2	17	1310	4035
USA, CA od	897	2465	2	37	2	15	1248	3717

USA, CO ac	827	1610	6	53	7	33	1750	3658
USA, IL dt	510	1176	5	71	10	60	685	3265
USA, MO dp	404	1034	4	17	9	16	574	2120
USA, NE dn	408	1399	2	60	5	43	996	3455
USA, NH jc	693	733	13	21	19	28	1484	1646
USA, TX du	1071	1636	11	52	10	32	2959	3742
USA, WA so	385	1353	2	35	6	26	856	2128
<b>Averages:</b>	<b>1151</b>	<b>1805</b>	<b>11</b>	<b>43</b>	<b>11</b>	<b>27</b>	<b>2015</b>	<b>3795</b>
<b>% Increase:</b>		<b>57</b>		<b>287</b>		<b>148</b>		<b>88</b>

Listener	Av km		Total km x 1000		NDBs		Max km	
	THEN	NOW	THEN	NOW	THEN	NOW	THEN	NOW
AUS, NSW mjn		382		1		2		487
CAN, ON tsr		798		17		21		1944
USA, OH ra		901		35		39		2228
USA, PA el		748		14		19		1529
USA, VT se		721		7		10		1386
USA, WA rt		1450		41		28		2911
USA, WA wo		1264		16		13		2342
<b>Averages:</b>		<b>895</b>		<b>19</b>		<b>19</b>		<b>1832</b>
<b>% Increase:</b>								

Av. km = Average distance from listener to NDB for all their loggings  
Total km = Sum of distances from listener to NDBs for all their loggings  
NDBs = Number of NDBs logged  
Max km = Maximum distance from listener to an NDB logged  
(UNIDs are not included)

Explanation:

We ENJOY Listening Events, but their real value is to encourage us to improve our knowledge of our hobby, our listening techniques, our receivers and aeriels, etc. Many of our CLEs re-use the same narrow range of frequencies after a year or so. This can provide each of us with an excellent way of measuring our personal progress by comparing our results THEN with our corresponding results NOW.

The upper table shows statistics for listeners who took part in both the events. The bottom lines compare the general conditions found during the two events.

Each listener's own results also depend, of course, on many other things, such as changes in receivers or aeriels, time available for listening, use of recording equipment and maybe a move of QTH, as well as progress made through listening practice.

Comparing the results between individual listeners is not very meaningful - we each have so many unavoidable things that affect our ability to hear NDBs; where we and they happen to be, whether we are in a city or in wide open spaces or by the sea, our spending limit, how long we are able to devote to listening, etc. Another recent reason for differences, especially in Europe, is the use of programs which can 'hear' and identify NDBs, replacing traditional listening with human ears!