

NDB LIST 'Barn Door' CLE No. 184

Wideband listening centred on 360 kHz 25 July - 28 July 2014

COMBINED RESULTS
REST OF THE WORLD

For overall statistics, please see the covering email.

Reporters, frequencies used and equipment:

Key to background colours:

- 1AD single active device with regen.
- Other enhanced homebrew
- Ultralight portable receiver
- 'Antique' receiver
- Modern receiver used with 'barn door' settings

AUS	TA	rw	Bob Warren, New Norfolk 242 - 413 (171 kHz)
CAN	BC	to	Tom Mitchell, Comox, Vancouver Island 203 - 404 (201 kHz)
HWA		mx	Mike Tuggle, Kaneohe, Hawaii 200 - 525 (325 kHz)
USA	CA	dn	Don Tomkinson, Upland 203 - 526 (323 kHz)
USA	CA	p0	Phil Atchley, Merced, Central California 200 - 526 (326 kHz)
USA	CA	pa	Phil Atchley, Merced, Central California 203 - 526 (323 kHz)
USA	CO	ac	Anthony Casorso, Westminster 207 - 414 (207 kHz)
USA	ID	m6	Mark Moulding, While at Island Park 286 - 521 (235 kHz)
USA	IL	dt	Dave Tomasko, Galena 206 - 517 (311 kHz)

Receiver: Noil 2206 Automatic Direction Finder, Nippon Oceanics Institute, 1977
Antenna: Miniwhip

Kenwood R-300, AM mode with two analogue/bandsread dials
Antennas: Yard loop, MFJ Amped whip, 2M Rotatable Amped Loop

A 1-transistor regen circuit using a Siemens 1216 dual gate UHF MOSFET
Antenna: 70-ft long inverted L, 39 feet high

Perseus SDR with 6 kHz bandwidth
Antenna:

Icom IC-735 Transceiver AM wide filter
Antenna(s): 30 foot 'Low Noise Vertical' Active mini-whip at 36 feet

Realistic DX380 portable
Antenna(s): 30 foot 'Low Noise Vertical' Active mini-whip at 36 feet

Mosfet regen with varactor tuning and IC based audio amplifier.
Antenna: 1 metre loop

Tecsun PL-660 in AM mode
Antenna: Kaito KA35

Grundig Satellit 800 with AM mode and 6 kHz bandwidth
Antenna: ALA100

USA	MI	jb	Joe Miller, Troy 299 - 423 (124 kHz)
USA	MI	wl	Bill Cromwell, Houghton Lake 332 - 413 (81 kHz)
USA	MN	gs	George Sherman, Apple Valley 209 - 434 (225 kHz)
USA	MO	dp	Dick Palmer, Foristell 206 - 434 (228 kHz)
USA	NH	jc	John Collins, Charlestown 205 - 523 (318 kHz)
USA	NJ	ge	George Muha, Cream Ridge 273 - 409 (136 kHz)
USA	OR	sr	Steve Ratzlaff, La Grande, NE Oregon 200 - 414 (214 kHz)
USA	TX	du	Douglas Springfield, New Chapel Hill 215 - 512 (297 kHz)

Icom 7410 transceiver tuned to USB with all filters of ndwidth)
Antenna: Grounded-mounted Hustler 5BTV

RCA RAK-7 (6-tube regenerative) WWII
Antenna: 125 foot wire

Magnavox D-2935 from 80's
Antenna: Internal ferrite bar

SONY ICF-2010, wide AM mode, at least +/- 4 kHz
Antenna: Clifton Z1501 active, base up 25 foot, 10 foot whip

MacKay type 128AX 1941 vintage regenerative receiver
Antenna: 380' wire

Home brew up-converter driving Yaesu FR-101 AFC off, AM wide mode (6 kHz filter)
Antenna: Home brew LZ1AQ 8' diameter loop

R75 in AM mode
Antenna: active whip

SONY ICF-2010 on AM, wide bandwidth
Antenna: K9AYx4

For full details, please see the individual reporters' logs,
as previously posted by them to the List.
If you spot an omission or problem in your own details
please let me know (ndbcle'at'gmail.com - replace the 'at' by an '@' symbol)

BEACONS HEARD:

Beacons are shown in kHz order within each Country and State/Province

The numbers shown within the table are the times in 'hh' UTC that the beacons were logged.

(e.g. 8 indicates logged between 08:00-08:59 UTC)

Any Offshore NDBs and UNIDs appear at the end of the list.

CAN	QC	366	YMW	Maniwaki									2	2	7			1	2		
CAN	QC	371	GW	Kuujuarapik									2					1			
CAN	QC	373	2Q	Mont Laurier														1			
CAN	QC	378	RJ	Roberval														1			
CAN	QC	384	F8	Victoriaville														1			
CAN	QC	392	ML	Charlevoix									2					1			
CAN	QC	396	YPH	Inukjuak									3		7			1	2		
CAN	QC	401	Y8	Drummondville														1	2		
CAN	QC	407	ZHU	Montreal St Hubert														1	2		
CAN	QC	414	3U	Gatineau														2			
CAN	SK	290	QR	Regina		7															
CAN	SK	317	VC	La Ronge		7									9					5	
CAN	YT	341	DB	Burwash		7	12														
CKS	-	320	AI	Aitutaki			15														
CKS	-	352	RG	Nikau Rarotonga Is			8														
FJI	-	307	NA	Nausori			20														
FSM	-	366	PNI	Pohnpei Is.			15														
HWA	-	242	HN	Honolulu Ewa Beach			7														
HWA	-	327	VYI	Kahului Valley Is			7														
HWA	-	332	POA	Pahoa			7	10													
HWA	-	339	BSF	Camp Pohakuloa			7														
HWA	-	353	LLD	Lanai City			7	12													
HWA	-	373	HHI	Wahiawa			7														
MDW	-	400	MDY	Sand Is. Midway			15														
MHL	-	316	MAJ	Majuro Atoll			15														
MHL	-	359	NDJ	Bucholz Kwajalein			8														
NCL	-	256	TH	Touho			14														
NFK	-	260	NF	Norfolk Is.	10		15														
NIU	-	345	NU	Niue			15														
NZL	-	238	KT	Kaitaia.			15														
NZL	-	274	GB	Great Barrier Island			15														
NZL	-	310	HK	Hokitika	10		15														
NZL	-	322	CI	Chatham Islands			15														
NZL	-	346	TG	Tauranga			15														
NZL	-	366	SF	Springfield			15														
PTR	-	391	DDP	San Juan Dorado														2			

USA	KS	408	JDM	Colby					2										
USA	KS	414	GL	Goodland					11										
USA	KY	400	XW	Mason Flemingsburg									3						
USA	LA	247	VED	Leesville														17	
USA	LA	278	AUR	Sulphur														9	
USA	LA	284	VIV	Vivian														16	
USA	LA	356	FWX	New Roads														5	
USA	LA	368	ROQ	Ruston														9	
USA	LA	375	SPH	Springhill														16	
USA	LA	379	LRR	Oakdale														9	
USA	LA	407	OOO	Natchitoches														18	
USA	LA	410	DQU	De Quincy														18	
USA	LA	414	MSD	Mansfield														16	
USA	LA	418	CW	Lake Charles Moss Bluff														9	
USA	MA	205	ORE	Orange													16		
USA	MA	365	FIT	Fitchburg													16		
USA	MA	368	IMR	Marshfield													16		
USA	MA	389	PVC	Provincetown													16		
USA	MA	395	GBR	Great Barrington													1		
USA	MA	397	OW	Norwood													1		
USA	MA	402	LW	Lawrence													1		
USA	MD	349	APG	Aberdeen Proving Grnds													0		
USA	ME	278	BST	Belfast													1		
USA	ME	334	RM	Rockland													2		
USA	ME	356	SUH	Rockland													1		
USA	ME	366	AU	Augusta													1		
USA	MI	332	PH	Port Huron									23						
USA	MI	338	DE	Detroit									23						
USA	MI	359	GYG	Grayling									2						
USA	MI	359	YI	Detroit Ypsilanti.									23						
USA	MI	400	CI	Sault Ste Marie									3						
USA	MI	419	RYS	Detroit Grosse Ile									0						
USA	MN	239	BBB	Benson										23					
USA	MN	251	BR	Brainerd										10					
USA	MN	253	GB	Marshall										7					
USA	MN	260	JYG	St James										4					

USA	MN	264	ON	Winona										8					
USA	MN	272	ULM	New Ulm										8					
USA	MN	274	RG	Red Wing										8					
USA	MN	277	OT	Worthington										9					
USA	MN	282	ROS	Rush City										9					
USA	MN	327	JMR	Mora										20					
USA	MN	337	FF	Fergus Falls										20					
USA	MN	342	ST	St Cloud										20					
USA	MN	350	CBG	Cambridge										20					
USA	MN	353	IN	International Falls										7					
USA	MN	359	LXL	Little Falls										20					
USA	MN	365	AA	Fargo								2		20					
USA	MN	368	PNM	Princeton										20					
USA	MN	374	EE	Alexandria										20					
USA	MN	379	OW	Owatonna										20					
USA	MN	385	BA	St Paul										20					
USA	MN	400	PPI	St Paul										20					
USA	MN	404	XCR	Little Falls										20					
USA	MN	407	GYL	Glencoe										20					
USA	MN	420	FQ	Fairmont							16			10					
USA	MO	227	FZ	St Louis															21
USA	MO	233	AZN	St Joseph							12								21
USA	MO	281	DMO	Sedalia															21
USA	MO	326	SU	St Louis															21
USA	MO	338	LM	St Louis															21
USA	MO	356	UUV	Sullivan															21
USA	MO	371	PUR	Marshall															21
USA	MO	388	GLY	Clinton															21
USA	MO	397	JE	Jefferson City															21
USA	MO	400	TRX	Trenton															11
USA	MO	404	ST	St Louis															21
USA	MS	349	GW	Greenwood															8
USA	MT	286	EKS	Ennis Big Sky									4						
USA	MT	335	CVP	Helena								4	10	4					6
USA	MT	339	MKR	Glasgow Milk River							5								
USA	MT	344	BKU	Baker									1						6

USA	MT	347	SBX	Shelby						10										
USA	MT	359	SDY	Sidney						10										
USA	MT	362	RPX	Roundup		8					4									
USA	MT	371	ITU	Truly Great Falls		8	8	4	5	10	4							6		
USA	MT	410	GDV	Glendive							11									
USA	MT	414	LYI	Libby														6		
USA	MT	415	LO	West Yellowstone							4									
USA	MT	515	SAK	Kalispell Smith Lake				7												
USA	MT	521	INE	Missoula			8	4	5		4									
USA	NC	216	CLB	Wilmington Carolina Beach															2	
USA	NE	233	OKS	Oshkosh						2										
USA	NE	269	SWT	Seward										9	21					
USA	NE	305	OI	South Sioux City										23						
USA	NE	329	PMV	Plattsmouth										10	21					
USA	NE	356	ODX	Ord						3										
USA	NE	371	MLE	Omaha Millard										20						
USA	NE	383	CNP	Chappell						1										
USA	NE	389	CSB	Cambridge						11										
USA	NE	404	FNB	Falls City									12				5			
USA	NH	209	MJ	Manchester															16	
USA	NH	216	CO	Concord															16	
USA	NH	328	LC	Laconia															16	
USA	NH	359	AS	Nashua															16	
USA	NH	379	IVV	Lebanon White River															16	
USA	NH	386	GMA	Whitefield															16	
USA	NJ	363	RNB	Millville															1	0
USA	NJ	369	TT	Trenton																2
USA	NJ	396	NEL	Lakehurst																0
USA	NM	278	CEP	Ruidoso Capitan			8													
USA	NM	414	ATS	Artesia			8			11										
USA	NY	209	GF	Glens Falls															16	
USA	NY	356	HEU	Schenectady															16	
USA	NY	400	PTD	Potsdam															1	2
USA	NY	523	JJH	Johnstown															2	
USA	OH	239	HKF	Middletown									13							
USA	OH	299	HW	Wilmington									23							

CAN	Canada	QC									5	1	4	1	30	9		
CAN	Canada	SK		2									1				1	
CAN	Canada	YT		1	1													
CKS	Cook Is.(Southern)	-			2													
FJI	Fiji	-			1													
FSM	Micronesia	-			1													
HWA	Hawaii (US State)	-			6	2												
MDW	Midway Is.	-			1													
MHL	Marshall Is.	-			2													
NCL	New Caledonia	-			1													
NFK	Norfolk Is.	-	1		1													
NIU	Niue Is.	-			1													
NZL	New Zealand	-	1		6													
PTR	Puerto Rico	-														1		
SLM	Solomon Is.	-			1													
SMA	Samoa, American	-			2													
USA	USA	AR																4
USA	USA	AZ				5	1	1										
USA	USA	CA		2	1	12	9	8	2	2							1	
USA	USA	CO				2	1	1	10									
USA	USA	FL																2
USA	USA	IA									16			17	6			
USA	USA	ID				1	2	1	1	4							3	
USA	USA	IL									7				20			
USA	USA	IN									5	3			3			
USA	USA	KS							6									1
USA	USA	KY										1						
USA	USA	LA																11
USA	USA	MA														7		
USA	USA	MD														1		
USA	USA	ME															4	
USA	USA	MI										5	1					
USA	USA	MN									1	1		24				
USA	USA	MO									1				11			
USA	USA	MS																1
USA	USA	MT		2		3	4	3	5	7							4	
USA	USA	NC															1	
USA	USA	NE							4		1			4	3			
USA	USA	NH														6		

USA	USA	NJ														1	3		
USA	USA	NM				2			1							4	1		
USA	USA	NY									1	6							
USA	USA	OH																	
USA	USA	OK						3	1									9	
USA	USA	OR					3	3										4	
USA	USA	PA															1		
USA	USA	SC														1			
USA	USA	SD									1				1	1			
USA	USA	TX				3			4										33
USA	USA	VT																	
USA	USA	WA		1			1	1										3	
USA	USA	WI									9				1				
USA	USA	WY							2	2									
VUT	Vanuatu	-			1														
WAL	Wallis et Futuna	-			2														
Cou	Country	St	AUS TA rw	CAN BC to	HWA mx	USA CA dn	USA CA p0	USA CA pa	USA CO ac	USA ID m6	USA IL dt	USA MI jb	USA MI wl	USA MN gs	USA MO dp	USA NH jc	USA NJ ge	USA OR sr	USA TX du

LISTENING TIMES:

Shows the number of NDBs logged by each reporter during the time periods shown.

UTC (hh)	AUS TA rw	CAN BC to	HWA mx	USA CA dn	USA CA p0	USA CA pa	USA CO ac	USA ID m6	USA IL dt	USA MI jb	USA MI wl	USA MN gs	USA MO dp	USA NH jc	USA NJ ge	USA OR sr	USA TX du
00:00 - 00:59	12									12					5		
01:00 - 01:59							16							42			
02:00 - 02:59							4			7	5			25	12	7	
03:00 - 03:59							1			5	3	5					
04:00 - 04:59					14	12		11				1	6		4		
05:00 - 05:59					7	6						4	6			6	2
06:00 - 06:59		5		2	7	6						1				15	3
07:00 - 07:59		17	8	6	6	3						16					
08:00 - 08:59		10	5	13								7					2
09:00 - 09:59	1		1	8			1		2			15					8
10:00 - 10:59	34			3			21	1				7					

11:00 - 11:59			2				8	6					7				
12:00 - 12:59			7	2				2	9								
13:00 - 13:59									10							1	
14:00 - 14:59			1														
15:00 - 15:59			24						12								
16:00 - 16:59			3						7					16			23
17:00 - 17:59																	15
18:00 - 18:59									4								7
19:00 - 19:59																	2
20:00 - 20:59			1									23				1	
21:00 - 21:59												1	35				
22:00 - 22:59																	
23:00 - 23:59									1	10		2					
UTC (hh)	AUS TA rw	CAN BC to	HWA mx	USA CA dn	USA CA p0	USA CA pa	USA CO ac	USA ID m6	USA IL dt	USA MI jb	USA MI wl	USA MN gs	USA MO dp	USA NH jc	USA NJ ge	USA OR sr	USA TX du

NDB LOGGINGS, BY FREQUENCY

This table shows the number of loggings on each frequency.

kHz	AUS TA rw	CAN BC to	HWA mx	USA CA dn	USA CA p0	USA CA pa	USA CO ac	USA ID m6	USA IL dt	USA MI jb	USA MI wl	USA MN gs	USA MO dp	USA NH jc	USA NJ ge	USA OR sr	USA TX du
200			1		1												
203		1	1	1	1	1											1
205				1	1	1											
206																	
207							1		1								
209																	
212									2			1	1				
214		1										1					
215																	
216																	
218		1	1									1	2		1		
219													1				
220																	
221												1			1		
223												1					

303																	
305	1		1								2		1		1		
307			1														
308																	1
310	1		1														
311	2		1														
315			1														
316			1														
317		1									1				1		
320			1														1
321							1										
322			1														
323	1							1			1		1				1
324									1								
325		1															
326	1	1	1		1	1			1		1	2	1	1	2		
327			1								1	1	1	1	1	1	
328											1	1	1	1	1	1	
329	1			1	1	1	1		1		2	2	2	1	1	1	
332	2		1	1		1	1		2	1	1	1	1	1	1	1	3
333																	
334										1		1	1	1	1	1	
335	1				2	1	2	1		1		1	1	1		1	
337												1					
338	1			1	1	1				1		1	1				
339			1			1											
340										1				1	1		
341	2	1	1				1		1	1	1	2	1	1	1		2
342												1					
343														1			
344		2	2	2	2	2	3	2	1					1		1	2
345			1									1					
346			1				1				1	1	1				
347							1										1
348		1	1				1					1					
349																	1
350	1	1	1	1	2	1	1	2	1	1		2	1	1	1	1	2
351												1		1	1		
352			1														
353			1	1			1			1		1				1	1
356		1			1	1	2		2			1	2	3			2
359		1	2	4	2	2	2	1		1	1	2	1	1		2	1
360														1	1		
362	1	1					1	1	2	2	1	1		2			
363														1	1		
364			1											1			
365									1	1		1		1			1
366			2			1	1	1		1	1	1	1	2	1		
368		2			1	1	1	1		1		1		1	1		1

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			1			2								1		1
	1		1	1	1	1	1	1	1	1	1	1	1	1	2	1
		1	1			1					1					
1			1	1	1						1	1			1	
	1	1				1			1	1						3
		1														
1				1										1		
	1		1			1	1	1			1		1			1
		1	1			1	1	1	2	1	1	2	1	1		1
1	1				2	2	1	1			1	1	1		1	1
							1						1			
	2	1				1		1				1		1		1
			1										1	1		
1						1		1	1	1		1	2	1		1
													1			
1						2	1	1			1		1	2		1
			1	1		1			1	1		1	2	1	1	
	1	1			1	2	1	1	2		1	2	1	1	1	2
													1	1		
	3	1	1	1	1	1	1	1	1		1	2	1	1	1	
	2		1	1		1	1	1			1		1	1		2
					1	1								1	1	
			1		1		1		1		1					2
				1			1								1	
					1											
	1		1			1		1	1	1		1				
		1	1			2		1					1		1	1
							1									
								1			1					1
									1			1				
												1				1
									1							1
																1
								1				1	1			1
											1	1				1

Listener	Av km THEN	Av km NOW	Total km x 1000 THEN	Total km x 1000 NOW	NDBs THEN	NDBs NOW	Max km THEN	Max km NOW
CAN BC to	629	622	25	20	40	32	1997	1563
HWA mx	4265	4895	269	255	63	52	8643	8577
USA CA dn	319	1111	2	38	7	34	1062	4127
USA CO ac	665	862	43	44	64	51	2506	2506
USA MI jb	127	474	1	16	11	34	336	1795
USA MO dp	467	460	18	25	39	54	1665	1953
USA NH jc	657	660	61	55	93	83	1735	2815
USA OR sr	1095	598	103	18	94	30	3603	1541
USA TX du	573	334	57	21	99	62	3261	1969
Averages:	977	1113	64	55	57	48	2756	2983
% Increase:		14		-15		-15		8

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 they 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 aerials, etc. Many of our CLEs re-use the same targets 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 table shows statistics for all the 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 aerials, 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.

TAB's Trans-Atlantic Beacons

The numbers shown within the table are the times in 'hh' UTC that the beacons were logged.

kHz	C/S	Location	ITU	DEU je	ENG me	IRL fo
281	CA	Cartwright, NL	CAN	02		
340	YY	Mont Joli, QC	CAN			01
350	DF	Deer Lake, NL	CAN			00
356	AY	St. Anthony, NL	CAN			01
390	JT	Stephenville, NL	CAN			00
396	JC	Rigolet, NL	CAN		01	00

CLE184a5.xls

bk 30 July 2014