

NDB LIST 'Barn Door' CLE No. 209 Wideband listening centred on 360 kHz 22 - 25 July 2016

**COMBINED RESULTS
REST OF THE WORLD**

Key to background colours:

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

Reporters, frequencies used, NDBs heard and equipment:

HWA		mx	Mike Tuggle, Kaneohe, Hawaii 200 - 404 kHz	34 NDBs
USA	AZ	sr	Steve Ratzlaff, Near Sahuarita 260 - 414 kHz	16 NDBs
USA	CA	dn	Don Tomkinson, Upland 201 - 414 kHz	40 NDBs
USA	CA	pa	Phil Atchley, Merced, Central California 200 - 515 kHz	31 NDBs
USA	CO	ac	Anthony Casorso, Westminster 251 - 414 kHz	33 NDBs
USA	MO	dp	Dick Palmer, Foristell 198 - 521 kHz	70 NDBs
USA	NH	jc	John Collins, Charlestown 317 - 407 kHz	39 NDBs

One-active-device regenerative using a single Siemens 1216 dual gate MOSFET (equiv: BF988) with gates tied together. No filters.
Antenna: 60-ft long inverted L, 39 feet high

SONY 2010 and TECSUN PL-880
Antenna: Homebrew 11" diameter LF FSL

Old R71A in AM and CW
Antenna: PA0RDT mini-whip

Homebrew regen 7 tube + rectifier based on 1920s/30s technology
Antenna: Active whip. Also part of the time LNV with tune-able pre-amp

Old Grundig Satellit 6001 (100-600 kHz)
Antenna: 1 metre loop

KENWOOD TS-440S (~1992) on wide selectivity, CW
Antenna: Clifton Z1501 active, base up 25 foot, 10 foot whip

Homebrew regen
Antenna: 380' wire

CAN	NB	326	FC	Fredericton						2	2			
CAN	NB	404	YSL	St Leonard Grand Ruisseau						0	7			
CAN	NL	323	UWP	Argentia						2				
CAN	NL	350	DF	Deer Lake						2				
CAN	NL	356	AY	St Anthony						3				
CAN	NL	390	JT	Stephenville						3				
CAN	NL	396	JC	Rigolet						3				
CAN	ON	201	YKX	Kirkland Lake					21					
CAN	ON	218	RL	Red Lake					7					
CAN	ON	223	YYW	Armstrong					8					
CAN	ON	233	QN	Nakina					8					
CAN	ON	245	YZE	Gore Bay Barrie Is					8					
CAN	ON	257	YXR	Earlton							8			
CAN	ON	272	YQA	Muskoka							2			
CAN	ON	326	VV	Warton						5	8			
CAN	ON	326	YQK	Kenora					22					
CAN	ON	329	YHN	Hornepayne						2	8			
CAN	ON	332	QT	Thunder Bay					8					
CAN	ON	334	YSH	Smiths Falls Montague						2				
CAN	ON	335	YLD	Chapleau					9	2	8			
CAN	ON	341	YYU	Kapuskasing					9		8			
CAN	ON	346	YXL	Sioux Lookout					9					
CAN	ON	362	SB	Sudbury					9	2				
CAN	ON	377	YRR	Ottawa Greely							2			
CAN	ON	391	3B	Brockville						3				
CAN	ON	401	YPO	Peawanuck					9					
CAN	ON	409	YTA	Pembroke							7			
CAN	ON	413	YHD	Dryden					9					
CAN	QC	220	BX	Blanc Sablon							2			
CAN	QC	272	ZMR	Montreal Mirabel							2			
CAN	QC	278	NM	Matagami							2			
CAN	QC	317	ZMX	Montreal Mirabel						5	2			
CAN	QC	329	OU	Quebec Sainte Foy						5				
CAN	QC	332	YFM	La Grande 4						2	8			
CAN	QC	336	BV	Quebec Champlain						2				
CAN	QC	340	YY	Mont Joli					9	2	8			

USA	AR	362	HPC	Hope									14		
USA	AR	385	HO	Hot Springs									10		
USA	AZ	201	IP	Mobile Lufthansa			9								
USA	AZ	206	SOW	Show Low			7								
USA	AZ	338	RYN	Tucson Ryan Field		23	6	4	11						
USA	AZ	403	AZC	Colorado City		4	6								
USA	AZ	407	CHD	Chandler		23	6	7							
USA	AZ	410	DAO	Dragoo Sierra Vista Muni.		23	7								
USA	CA	203	TCY	Tracy				0							
USA	CA	205	COR	Sayler Farms Corcoran			7	0							
USA	CA	209	HGT	Tusi AHP Ft Hunter Liggett				0							
USA	CA	233	LG	Long Beach			6	14							
USA	CA	253	UR	Burbank Vinee			6								
USA	CA	335	CC	Concord Kanan			10	0							
USA	CA	344	FCH	Fresno Chandler.		11	6	0	11					10	
USA	CA	374	LV	Livermore Reiga			9	0							
USA	CA	385	MR	Monterey Munso				3							
USA	CA	397	SB	San Bernardino Petis		11	6								
USA	CA	404	MOG	Montague.	9	11	6	3	11					7	22
USA	CO	260	AP	Denver		3	9		4	10			10		
USA	CO	321	FT	Denver Skipi					10						
USA	CO	329	TAD	Trinidad		3	9		10	10					
USA	CO	335	IHS	Fort Carson					10						
USA	CO	392	BAJ	Sterling Batten					10						
USA	CO	400	FN	Fort Collins		4			4						
USA	CO	407	CO	Colorado Springs					10						
USA	CT	362	JWE	Oxford							2				
USA	DE	248	IL	Hadin Wilmington								18			
USA	IA	212	MPZ	Mount Pleasant						16					
USA	IA	257	PEA	Pella						16					
USA	IA	269	BEX	Bloomfield						16					
USA	IA	366	EOK	Keokuk						16					
USA	IA	417	IY	Charles City						16					
USA	IA	434	SLB	Storm Lake						9					
USA	IA	521	ORC	Orange City						9					
USA	ID	359	BO	Boise		11	9	6						6	22

USA	IL	218	AL	Alton				10				
USA	IL	240	CJ	Springfield				10				
USA	IL	251	JZY	Macomb				16				
USA	IL	257	FWC	Fairfield				16				
USA	IL	263	CVM	Alton				16				
USA	IL	272	OLY	Olney				15				
USA	IL	293	UI	Quincy				16				
USA	IL	329	AAA	Lincoln				16				
USA	IL	350	CP	Acore Cahokia St Louis				16				
USA	IL	356	PI	Peoria				16				
USA	IL	375	LQ	Springfield				16				
USA	IL	382	MW	Marion				16				
USA	IL	382	SP	Springfield				16				
USA	IL	385	JD	Belleville				16				
USA	IL	391	PLX	Robinson				16				
USA	IL	400	SLO	Salem				16				
USA	IN	326	SIV	Sullivan				16				
USA	IN	417	HHG	Huntington				9				
USA	KS	212	CFV	Coffeyville						13		
USA	KS	341	OIN	Oberlin		10	11					
USA	KS	356	PTT	Pratt			11					
USA	KS	377	EHA	Elkhart			12					
USA	KS	380	OEL	Oakley			12					
USA	KS	386	SYF	St Francis			10					
USA	KS	395	ULS	Ulysses			22					
USA	KS	408	JDM	Colby Wheatfield			11					
USA	KS	414	GL	Goodland			11					
USA	KY	400	XW	Mason Flemingsburg				9				
USA	LA	368	ROQ	Ruston						9		
USA	LA	375	SPH	Springhill						14		
USA	LA	385	DXB	De Ridder						9		
USA	LA	414	MSD	Mansfield						14		
USA	MA	368	IMR	Marshfield				2				
USA	MA	389	PVC	Provincetown				3				
USA	MD	349	APG	Aberdeen Proving Grnds						18		
USA	ME	348	BUP	Pittsfield				2				

USA	ME	356	SUH	Rockland Knox Co.						2				
USA	MO	208	CHQ	Charleston					15					
USA	MO	227	FZ	St Louis					2					
USA	MO	233	AZN	St Joseph					21					
USA	MO	281	DMO	Sedalia					16					
USA	MO	326	SU	St Louis					16					
USA	MO	338	LM	St Louis					16					
USA	MO	371	PUR	Marshall					16					
USA	MO	391	BHN	Fort Leonard Wood					10					
USA	MO	397	JE	Jefferson City					16					
USA	MO	404	ST	St Louis					16					
USA	MS	346	THJ	Laurel								9		
USA	MT	335	CVP	Helena									6	
USA	MT	359	SDY	Sidney				10						
USA	MT	362	RPX	Roundup				11						22
USA	MT	371	ITU	Truly Great Falls			9	4	10				6	22
USA	MT	414	LYI	Libby										22
USA	MT	415	LO	West Yellowstone										22
USA	MT	515	SAK	Kalispell Smith Lake				6						
USA	MT	521	INE	Missoula				4						
USA	NC	198	DIW	Dixon					8		18			
USA	NC	216	CLB	Wilmington Carolina Beach					7		18	9		
USA	NE	263	BF	Scottsbluff										
USA	NE	269	SWT	Seward										
USA	NE	275	HIN	Chadron Whitney										
USA	NE	347	AFK	Nebraska City										
USA	NE	359	GGF	Grant										
USA	NE	383	CNP	Chappell Billy G Ray Field.										
USA	NE	404	FNB	Falls City										
USA	NH	328	LC	Laconia							11			
USA	NH	386	GMA	Whitefield							3			
USA	NJ	254	CAT	Chatham								18		
USA	NJ	363	RNB	Millville								18		
USA	NM	402	CV	Carlsbad		3								
USA	NM	414	ATS	Artesia		3	8							
USA	NY	356	HEU	Schenectady							2			

USA	NY	400	FO	Westhampton Beach							16			
USA	NY	400	PTD	Potsdam						3	8			
USA	NY	407	FR	Farmingdale							16			
USA	OK	264	HN	Shawnee								13		
USA	OK	267	HET	Henryetta								13		
USA	OK	278	SRE	Seminole								14		
USA	OK	350	RG	Oklahoma City	11							18		
USA	OK	388	OFZ	Fort Sill								14		
USA	OK	400	AI	Ardmore								14		
USA	OK	512	HMY	Lexington					9			14		
USA	OK	515	PN	Ponca City					9					
USA	PA	328	BZJ	Bellgrove Indiantown Gap							18			
USA	SD	245	FS	Sioux Falls					16			10		
USA	TX	242	EL	El Paso		9								
USA	TX	245	ARM	Wharton								14		
USA	TX	248	PQF	Mesquite					10			18		
USA	TX	251	AM	Amarillo		9		13				13		
USA	TX	253	OC	Nacogdoches								18		
USA	TX	260	CL	College Station								14		
USA	TX	269	AHX	Athens								18		
USA	TX	281	CX	Conroe Alibi								13		
USA	TX	308	UTS	Huntsville								20		
USA	TX	320	TY	Tyler								18		
USA	TX	323	GR	Fort Hood Killeen								14		
USA	TX	326	MA	Midland		6		11						
USA	TX	341	DNI	Denison								18		
USA	TX	344	CGQ	Corsicana								18		
USA	TX	347	ATA	Atlanta								14		
USA	TX	350	LF	Lufkin								14		
USA	TX	350	OKT	Yoakum								14		
USA	TX	356	GMZ	Bowie Muni Grindstone								14		
USA	TX	365	FT	Fort Worth								18		
USA	TX	368	AN	San Antonio								9		
USA	TX	375	PSN	Palestine								20		
USA	TX	391	GXD	Nacogdoches								18		
USA	TX	400	ROB	Waco								20		

Totals:	34	16	40	31	33	70	39	34	45	11	26

NDB LOGGINGS, BY FREQUENCY

This table shows the number of loggings on each frequency.

kHz	HWA mx	USA AZ sr	USA CA dn	USA CA pa	USA CO ac	USA MO dp	USA NH jc	USA NJ ge	USA TX du	USA UT mu	USA WA so
198						1		1			
200	1			1							
201			1			1					
203				1							
205			1	1							
206			1								
208						1					
209				1							
212						1			1		
214	1										
216						1		1	1		
217			1								
218	1			1		2					
220								1			
223			1	1		1					
227						1					
233	1		1	1		2					
234								1			
236			1	1						1	
238	1										
240						1					
242	2		2	1							
244						1					
245						2			2		
248			2			2		1	1		
250					1	1					
251			1		1	1			1		
253			1		1				1		
254								1			
257				1		2		1			
260	2	1	1		1	1			2		

366	1					2	1	1			
368	1	1	1	2	1	1	1		2	1	2
371			1	1	1	1				1	1
373	1						1	1			
374			1	1							1
375						1			2		
377					1			1			
378							1				
380					1						
382						2					1
383					1						
384							1				
385	2		1	2		1	1		2	1	1
386					1		1				
388									1		
389							1				1
390	1						1				
391						3	1		1		
392					1		1	1			
394							1				1
395					1						
396							2				
397		1	1			1					
400	1	2	2	1	1	2	1	2	2	1	1
401						1					
402		1									
403	1	1	1								
404	2	1	1	1	1	2	1	1		1	1
406											1
407		1	1	1	1		1	2			
408			1		1						2
409								1			
410		1	1						2		
413						1					
414		1	1		1			1	1		1
415											1
417						2					
420						1			1		
421									1		
434						1					
512						1			1		
515				1		1					
521				1		1					
kHz	HWA mx	USA AZ sr	USA CA dn	USA CA pa	USA CO ac	USA MO dp	USA NH jc	USA NJ ge	USA TX du	USA UT mu	USA WA so

MOBs

'Mine-Only Beacons'

*This table is not appropriate as most listeners chose wide frequency ranges.
(The list would have had over 200 entries in it)*

FREQUENCIES REVISITED - Progress Statistics

(Please see the explanation below)

THEN: CLE184 Barn Door 25 July - 28 July 2014
NOW: CLE209 Barn Door 22 July - 25 July 2016

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
USA AZ sr		888		14		16		2883
USA UT mu		1078		12		11		1994
USA WA so		483		13		26		1208
Averages:		817		13		18		2028

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
HWA mx	4895	3908	255	133	52	34	8577	10448
USA CA dn	1111	1281	38	51	34	40	4127	4127
USA CA pa	960	1056	26	33	27	31	1970	2032
USA CO ac	862	611	44	20	51	33	2506	1859
USA MO dp	460	734	25	51	54	70	1953	3274

USA NH jc	660	655	55	26	83	39	2815	1735
USA NJ ge	898	757	19	26	21	34	2053	1831
USA TX du	334	350	21	16	62	45	1969	1616
Averages:	1273	1169	60	44	48	41	3246	3365
% Increase:		-8		-26		-15		4

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 lower 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

Just one!

The number shown within the table is the time in 'hh' UTC that the beacon was logged.

kHz	C/S	Location	ITU	IRL fo
350	DF	Deer Lake, NL	CAN	02

CLE209a5.xls
bk 4 August 2016