NDB LIST 'Barn Door' CLE No. 234 Wideband listening centred on 360 kHz 27 - 30 July 2018

COMBINED RESULTS
REST OF THE WORLD

REPORTER		RECEIVER	RX TYPE	No. NDBs	ANTENNA
CAN AB	d5	KiwiSDR at Lamont 5kHz	SDR	21	ALA100 with 80 meter loop???
CAN BC	bt	IC-7000 9kHz filter	CLC	16	EFLW 20m long, 2m high, N-S
CAN BC	sm	Homebrew Tuggle 1AD MOSFET Regen	1AD	70	Inverted-L; 10'x 20' Loop
CAN NS	vm	Afedri AFE822x SDR	SDR	100	500' Elevated Wire
USA AZ	bc	National RBL-5 (mid-1940s U.S.Navy regen)	VIN	3	Clifton Labs Z1501F
USA AZ	kw	Homebrew Crystal Set	0AD	1	Passive 350 foot horizontal wire
USA AZ	sr	Tuggle-design homebrew mosfet regen	1AD	19	700' N/S & 900' E/W passive wires
USA CA	ha	FT-1000MP Mk V wide band mode no filters ~2.5kHz	CLC	26	2 long Beverages and 160m Inv. L
USA CA	pa	Homebrew 7 Tube+Rect 1v3 Regen RX (built 2015)	+AD	15	?
USA CO	ac	1AD + audio amp	+AD	15	Homebrew21 ft Vertical
USA IL	fy	Drake R8, 2.3kHz filter	CLC	56	48" Active Whip + Ratzlaff Amp
USA MI	ct	Eton Traveler III Grundig Edition ultralight ~6kHz	POR	21	Homebrew ferrite loopstick
USA MO	dp	Kenwood TS-590SG 6kHz filter	CLC	27	Clifton Z1501 10ft active whip base up 25ft
USA NE	dn	WR-G31DDC +/- 2kHz	SDR	30	PA0RDT Mini-whip
USA NH	jc	MacKay Type 128 AX regen rx, 6 tubes - 1943	VIN	42	400' wire
USA OH	dm	EM Sargent 11MF regen (1930s)	VIN	21	Wellbrook Active Loop
USA TX	du	MFJ-8100 modified regen	CLC	27	big passive loop antennas x 4
USA WA	so	Gladding Islander -old marine DF	VIN	18	Rotatable ferrite lp DIY 7ft. Lp w/Norton CBTF amps
USA WI	zi	Ray-Jefferson 640/DF marine RDF rx (~1970)	VIN	29	Active whip approx. 6m up in tree

KEY TO RX TYPES:

0AD	Crystal Set
1AD	Single Active Device with regen
+AD	1AD with extra stage(s)
POR	Portable Receiver
VIN	Vintage Receiver
CLC	Classic Receiver
SDR	Software Defined Radio

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 below
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
The numbers shown within the table are the times in 'hh' UTC that the beacons were logged.
(e.g. 01 indicates logged between 01:00-01:59 UTC).

Cou, S/P	QRG	ID	Name	CAN AB d5	CAN BC bt	CAN BC sm	CAN NS vm	USA AZ bc	USA AZ kw	USA AZ sr	USA CA ha	USA CA pa	USA CO ac	USA IL fy	USA MI ct	USA MO dp	USA NE dn	USA NH jc	USA OH dm	USA TX du	USA WA so	USA WI zi
ALS, AK	233.0	ALJ	Johnstone Point Island			11																
ALS, AK	283.0	DUT	Dutch Harbor' Unalaska			10																
AZR	380.0	FIL	Horta / Faial Island				01															
CAN, AB	215.0	ZAB	Leduc' Edmonton (Intl Apt)	05																		
CAN, AB	221.0	QU	Grande Prairie	05		11																
CAN, AB	225.0	X5	Vegreville	05																		
CAN, AB	230.0	VG	Vermilion	05																		
CAN, AB	239.0	OJ	High Level			10																
CAN, AB	241.0	YLL	Lloydminster	05		10																

CAN, AB	254.0 SM	Fort Smith			09																
CAN, AB	254.0 ZYC	Calgary			11																
CAN, AB	266.0 XD	Edmonton	05																		
CAN, AB	272.0 YLB	Lac La Biche	05																		
CAN, AB	287.0 PE	Peace River			10																
CAN, AB	295.0 8C	Fairview			10																
CAN, AB	299.0 TV	Turner Valley	05		10																
CAN, AB	304.0 FH	Mc Leod (Whitecourt)	05																		
CAN, AB	308.0 ZZD	Calmar (Edmonton Intl Apt)	05																		
CAN, AB	320.0 YQF	Red Deer	05																		
CAN, AB	329.0 X2	Athabasca	05																		
CAN, AB	338.0 ZU	Whitecourt	05		11																
CAN, AB	344.0 YC	Calgary	05																		
CAN, AB	388.0 JW	Pigeon' Jumping Pound Creek	05																		
CAN, AB	388.0 MM	Fort Mc Murray			10					09											
CAN, AB	398.0 YOD	Cold Lake			10																
CAN, AB	405.0 2K	Camrose	05		10																
CAN, AB	414.0 8M	Elk Point	05		10																
CAN, BC	200.0 YJ	Victoria			05															23	
CAN, BC	203.0 YBL	Campbell River			05																
CAN, BC	214.0 LU	Cultus' Abbotsford			05						06										
CAN, BC	218.0 PR	Prince Rupert			11																
CAN, BC	223.0 YKA	Kamloops			05						06										
CAN, BC	227.0 CG	Castlegar			05																
CAN, BC	230.0 YD	Smithers			05						05										
CAN, BC	236.0 YZA	Ashcroft			05						06										
CAN, BC	242.0 XC	Cranbrook			11						05										
CAN, BC	242.0 ZT	Port Hardy			05																
CAN, BC	246.0 ZXJ	Taylor' Fort St. John			11																
CAN, BC	251.0 YCD	Nanaimo			05						06									23	
CAN, BC	257.0 LW	Kelowna			05																
CAN, BC	260.0 YSQ	Atlin			10																
CAN, BC	266.0 VR	Vancouver			05															05	
CAN, BC	272.0 XS	Prince George			05																
CAN, BC	290.0 YYF	Penticton			06					08										06	
CAN, BC	293.0 MB	Mill Bay' Victoria			06																
CAN, BC	312.0 UNT	Naramata (Penticton)			06																
CAN, BC	325.0 YJQ	Bella Bella (Campbell Island)		06	06					08											
CAN, BC	326.0 DC	Princeton		05	06				11	08	05					07				06	
CAN, BC	326.0 XJ	Fort St. John		06	11											07					
CAN, BC	332.0 WC	White Rock (Abbotsford)			06																
CAN, BC	332.0 XT	Terrace		04																	
CAN, BC	344.0 XX	Abbotsford		05	06					08										23	
CAN, BC	350.0 NY	Enderby		05	06					08	05									06	
CAN, BC	356.0 ON	Okanagan' Penticton			10																
CAN, BC	359.0 YAZ	Tofino								08											
CAN, BC	359.0 YQZ	Quesnel		04	06					08											
CAN, BC	368.0 SX	Skookum (Cranbrook)			10				11												
CAN, BC	368.0 ZP	Sandspit		04	06					08	05									06	
CAN, BC	374.0 EX	Rutland (Kelowna)		06	10					09										07	
CAN, BC	378.0 AP	Active Pass (Mayne Island)		06	06															07	
CAN, BC	382.0 YE	Fort Nelson		07	10					08										06	
CAN, BC	382.0 YPW	Powell River		06	06																
CAN, BC	385.0 WL	Williams Lake		05	06				11	07										05	

CAN, BC	389.0	YWB	Kelowna		06	06					08										06	
CAN, BC	391.0	TK	Telkwa (Smithers)		05																	
CAN, BC	394.0	DQ	Dawson Creek			10																
CAN, BC	400.0	QQ	Comox		05	06				11	07	05									05	
CAN, MB	284.0	QD	The Pas			09																
CAN, NB	212.0	SJ	Saint John				19															
CAN, NB	224.0	QM	Moncton				19															
CAN, NB	304.0	ZQM	Riverview (Moncton)				19															
CAN, NB	326.0	FC	Fredericton				19										01					
CAN, NB	363.0	1F	Manta' Bathurst				22															
CAN, NB	366.0	ZMN	Lewisville (Moncton)				02															
CAN, NB	387.0	6E	Grand Manan				19															
CAN, NB	520.0	F9	Chatham (Miramichi)				19															
CAN, NL	233.0	UM	Churchill Falls				02															
CAN, NL	269.0	3C	Venture Drilling Platform				22															
CAN, NL	270.0	ZNF	Wabana' Saint John's				01															
CAN, NL	280.0	QX	Gander				02										03					
CAN, NL	281.0	CA	Cartwright				02										01					
CAN, NL	339.0	YFT	Makkovik				02															
CAN, NL	340.0	ZJT	Stephenville				19															
CAN, NL	350.0	DF	Deer Lake				19										01					
CAN, NL	356.0	AY	St Anthony														01					
CAN, NL	358.0	NL	Signal Hill (Saint John's)				01															
CAN, NL	378.0	HO	Hopedale				02															
CAN, NL	396.0	JC	Rigolet				00															
CAN, NS	206.0	QI	Yarmouth				19															
CAN, NS	229.0	PD	Port Hawkesbury				19															
CAN, NS	230.0	AC	Pleasant Lake (Yarmouth)				22															
CAN, NS	263.0	QY	Sydney				19										02					
CAN, NS	266.0	YZX	Greenwood				19															
CAN, NS	338.0	5Y	Trenton				19															
CAN, NS	364.0	ZHZ	Split Crow' Halifax				19															
CAN, NS	385.0	ZNS	Midtown' Halifax				19															
CAN, NT	356.0	ZF	Yellowknife			09																
CAN, NT	375.0	FS	Fort Simpson			10																
CAN, NU	204.0	YFY	Forbay - Iqaluit				01															
CAN, NU	208.0	YSK	Sanikiluaq				01															
CAN, ON	235.0	CN	Cochrane				02															
CAN, ON	245.0	YZE	Gore Bay													07						
CAN, ON	257.0	YXR	Earlton				02										01					
CAN, ON	260.0	YAT	Wapisk' Attawapiskat				02															
CAN, ON	272.0	YQA	Muskoka				02										03					
CAN, ON	283.0	PT	Pelee Island				01											02				
CAN, ON	317.0	ZZR	Trenton (Apt)' Severn				01															
CAN, ON	326.0	VV	Wiarton										17	19								00
CAN, ON	326.0	YQK	Kenora										04									
CAN, ON	328.0	YTL	Big Trout Lake										05									
CAN, ON	329.0	YHN	Hornepayne				02						02									
CAN, ON	332.0	QT	Thunder Bay										17	09		03						21
CAN, ON	335.0	YLD	Chapleau				02						02				02					
CAN, ON	335.0	ZKF	Kitchener (Wellington)											19								
CAN, ON	346.0	YXL	Sioux Lookout										02									
CAN, ON	350.0	D7	Kincardine				01							19								
CAN, ON	353.0	QG	Saint Clair Beach (Windsor)				02						04	19				02				

CAN, ON	355.0	YWP	Webequie											05							
CAN, ON	362.0	SB	Sudbury				01							02	19			02				01
CAN, ON	368.0	ZYZ	Toronto (The Queensway)				02								19							
CAN, ON	375.0	7B	St Thomas												19							
CAN, ON	377.0	YRR	Greely (Ottawa)															01				
CAN, ON	382.0	7P	Iroquois Falls				02															
CAN, ON	382.0	XU	London												19							
CAN, ON	382.0	YPL	Pickle Lake											02								
CAN, ON	391.0	3B	Brockville											04								
CAN, ON	391.0	OO	Oshawa				01								09							
CAN, ON	397.0	ZHA	Ancaster (Hamilton)				01															
CAN, ON	408.0	SN	St. Catharines' Saint Catharines				02															
CAN, ON	409.0	YTA	Pembroke				01											02				
CAN, ON	516.0	YWA	Petawawa				01															
CAN, PE	254.0	5B	Summerside				19															
CAN, QC	205.0	YRQ	Trois Rivieres				01															
CAN, QC	209.0	MT	Chiboo' Chibougamau (Chapais)				02															
CAN, QC	219.0	W7	Pabok' Du Rocher-Pierce				19															
CAN, QC	220.0	BX	Blanc Sablon / Lourdes de Blanc Sablon				19															
CAN, QC	221.0	YAS	Kangirsuk				02															
CAN, QC	232.0	GP	Gaspe				19															
CAN, QC	243.0	YVB	Bonaventure				19															
CAN, QC	248.0	UL	Montreal				02									06		02				
CAN, QC	250.0	UAC	Eric' Poste Montagnais				02															
CAN, QC	261.0	2H	Lebel-sur-Quevillon				02											01				
CAN, QC	276.0	YHR	Chevery				19											03				
CAN, QC	278.0	NM	Matagami				02											03	04			
CAN, QC	289.0	YLQ	La Tuque				02															
CAN, QC	291.0	9Q	Amos				02															
CAN, QC	317.0	ZMX	Janvier / Mirabel (Montreal)															02				
CAN, QC	323.0	KR	Squaw Schefferville				02															
CAN, QC	332.0	YFM	La Grande 4				02											01				
CAN, QC	336.0	BV	Champlain				02											01				
CAN, QC	340.0	YY	Mont Joli				02							02				01				01
CAN, QC	343.0	ZBM	Bromont															02				
CAN, QC	344.0	YGV	Havre St Pierre				19											01				
CAN, QC	351.0	YKQ	Waskaganish				02							02				02				
CAN, QC	356.0	YBG	Bagotville				01											02				
CAN, QC	360.0	PN	Port-Menier / Ile Anticosti				19											01				
CAN, QC	362.0	SC	Sherbrooke				01											01				
CAN, QC	371.0	GW	Jarpik Kuujjuarapik				01											02				
CAN, QC	373.0	2Q	Mont-Laurier															01				
CAN, QC	373.0	YXK	Rimouski				01															
CAN, QC	378.0	RJ	Roberval				00							02				01				
CAN, QC	384.0	F8	Victoriaville				02											01				
CAN, QC	390.0	VP	Kuujjuaq / Kujack				01											02				
CAN, QC	392.0	ML	Charlevoix				22							03				01				
CAN, QC	396.0	YPH	Inukjuak											02								
CAN, QC	401.0	Y8	Drummondville															01				
CAN, QC	407.0	ZHU	Hauts-Bois / St Hubert (Montreal)				02											01				
CAN, SK	257.0	XE	Saskatoon	05		09																
CAN, SK	317.0	VC	La Ronge	05													07					
CAN, SK	332.0	VT	Buffalo Narrows	05																		
CAN, SK	397.0	ZSS	Yellowhead (Saskatoon)			10																

CAN, SK	406.0	YLJ	Meadow Lake	05		10																
CAN, YT	248.0	QH	Watson Lake			10																
CAN, YT	269.0	ZW	Teslin			09																
CAN, YT	341.0	DB	Burwash			11																
CYM	415.0	CBC	West End (Cayman Brac)																	07		
HWA, HI	332.0	POA	Pahoa							12												
HWA, HI	353.0	LLD	Lanai							12												
SPM	402.0	MQ	Miquelon (Grande Miquelon)				02															
USA, AR	335.0	BV	Almnd' Batesville																	07		
USA, AR	362.0	HPC	Hope																	16		
USA, AR	379.0	RUE	Russellville																	04		
USA, AZ	220.0	RBJ	Robles' Tucson					04														
USA, AZ	245.0	AVQ	Marana					03														
USA, AZ	338.0	RYN	Ryan' Tucson					03	10	11	08	04										
USA, CA	203.0	TCY	Tracy									02										
USA, CA	385.0	MR	Munso' Monterey									04										
USA, CA	397.0	SB	Petis' San Bernardino							11												
USA, CA	404.0	MOG	Montague			06				11	07	04									05	
USA, CO	209.0	ITR	Kit Carson' Burlington														08					
USA, CO	321.0	FT	Skipi' Bennett (Denver)										00									
USA, CO	335.0	IHS	Ironhorse' Fort Carson										12									
USA, CO	400.0	FN	Colln' Fort Collins / Loveland							11			00									
USA, CO	407.0	CO	Petey' Colorado Springs							11			02									
USA, FL	326.0	PKZ	Pickens' Pensacola											04								
USA, FL	344.0	JA	Dinns' Jacksonville				01															
USA, GA	426.0	IZS	Montezuma																14			
USA, IA	269.0	BEX	Bloomfield													19	07					
USA, IA	323.0	EBS	Webster City											17								
USA, IA	341.0	DB	Zilom' Dubuque											17								22
USA, IA	366.0	EOK	Keokuk											17		16						
USA, IA	390.0	BR	Burns' Burlington											18		20						
USA, ID	383.0	PI	Tyhee' Pocatello							11	09											
USA, IL	218.0	AL	Alpos' Alton (St Louis MO)													16						
USA, IL	240.0	CJ	Calde' Springfield													20						
USA, IL	251.0	JZY	Macomb													16						
USA, IL	257.0	FWC	Wayne County' Fairfield													16						
USA, IL	263.0	CVM	Civic Memorial' Alton													16						
USA, IL	272.0	OLY	Olney' Olney-Noble													20						
USA, IL	275.0	DE	Elwin' Decatur													20						
USA, IL	293.0	UI	Quincy													16						
USA, IL	329.0	AAA	Abraham' Lincoln											17								21
USA, IL	332.0	DN	Julip' Danville											17								21
USA, IL	350.0	CP	Acore' Cahokia / St Louis											17		16						
USA, IL	356.0	PI	Tungg' Peoria											17		20						22
USA, IL	375.0	LQ	Licol' Springfield											17		16						22
USA, IL	379.0	UG	Wauke' Waukegan (Chicago)											17								22
USA, IL	382.0	MW	Jonny' Marion													20						
USA, IL	382.0	SP	Huskk' Springfield											17		16						22
USA, IL	385.0	JD	Gooey' Belleville											18		16						
USA, IL	388.0	MD	Cabbi' Carbondale / Murphysboro													20						
USA, IL	391.0	PLX	Palestine' Robinson											18		20						
USA, IL	397.0	CIR	Cairo											02								
USA, IL	400.0	SLO	Salem											18		20						
USA, IL	407.0	CM	Veals' Champaign / Urbana													20						

USA, IN	254.0 HLB	Batesville																02			
USA, IN	338.0 UMP	Metropolitan' Indianapolis											17	19							21
USA, IN	341.0 SB	Misha' South Bend											17								22
USA, IN	356.0 IUL	La Porte											17								22
USA, IN	365.0 JN	Balll' Muncie											18	19							22
USA, IN	385.0 UWL	New Castle											18	19							
USA, IN	388.0 CFJ	Crawfordsville											17								
USA, IN	394.0 AI	Video' Anderson											18								
USA, IN	410.0 BA	Clifs' Columbus																02			
USA, KS	230.0 NRN	Norton														07					
USA, KS	341.0 OIN	Oberlin										12				19					
USA, KS	380.0 OEL	Oakley										17									
USA, KS	386.0 SYF	St. Francis										12				19					
USA, KS	395.0 ULS	Ulysses							11	09		12				06					
USA, KS	408.0 JDM	Wheatfield' Colby										12									
USA, LA	368.0 ROQ	Ruston																	02		
USA, LA	375.0 SPH	Springhill																	16		
USA, LA	385.0 DXB	De Ridder																	07		
USA, LA	407.0 OOC	Campi' Natchitoches																	02		
USA, LA	414.0 MSD	Mansfield																	16		
USA, MA	368.0 IMR	Marshfield				02											01				
USA, MA	389.0 PVC	Provincetown				02															
USA, MA	395.0 GBR	Great Barrington															01				
USA, MA	402.0 LW	Haget' Lawrence				02											01				
USA, MD	400.0 NHK	Patuxent' Patuxent River				01															
USA, ME	348.0 BUP	Burnham' Pittsfield				02															
USA, ME	356.0 SUH	Sprucehead' Rockland				19											01				
USA, MI	278.0 ADG	Adrian				02												02			
USA, MI	332.0 PH	Phurn' Port Huron												19							
USA, MI	336.0 MA	Wexford' Cadillac												09							21
USA, MI	338.0 DE	Madds' Detroit				02								19							
USA, MI	344.0 ES	Pikle' Escanaba											19								
USA, MI	371.0 AZ	Austn' Vicksburg											17								22
USA, MI	381.5 SJX	St James' Beaver Island											17								23
USA, MI	382.0 IRS	Sturgis											17	19							22
USA, MI	400.0 CI	Koloe' Sault Ste. Marie																			23
USA, MI	419.0 RYS	Grosse Ile' Detroit / Grosse Ile				01												02			
USA, MN	353.0 IN	Raize' International Falls											04								
USA, MN	379.0 OW	Tonna' Owatonna																			22
USA, MO	233.0 AZN	Amazon' St. Joseph													20						
USA, MO	326.0 SU	Snoop' Saint Louis													16						
USA, MO	338.0 LM	Oblio' St Louis											17		16						
USA, MO	397.0 JE	Algoa' Jefferson City													20						
USA, MO	404.0 ST	Zumay' St Louis													16						
USA, MT	344.0 BKU	Timber' Baker							11	08											
USA, MT	362.0 RPX	Round Up			10					08	05										
USA, NE	233.0 OKS	Oshkosh										17				19					
USA, NE	257.0 JYR	York														19					
USA, NE	293.0 FBY	Fairbury														19					
USA, NE	305.0 OI	Tommi' South Sioux City														07					
USA, NE	314.0 VTN	Valentine														19					
USA, NE	329.0 PMV	Plattsmouth														19					
USA, NE	347.0 AFK	Nebraska City														19					
USA, NE	356.0 ODX	Ord														19					

USA, NE	359.0	GGF	Grant										12				19				
USA, NE	383.0	CNP	Chappell										12				19				
USA, NE	389.0	CSB	Harry Strunk' Cambridge														19				
USA, NE	392.0	FMZ	Beklof' Fairmont														19				
USA, NE	416.0	LB	Panbe' North Platte														19				
USA, NE	422.0	EA	Anoke' Kearney														06				
USA, NH	276.0	LAH	Hanover' Lebanon															02			
USA, NH	328.0	LC	Blnap' Laconia															02			
USA, NH	386.0	GMA	Mahn' Whitefield															01			
USA, NM	414.0	ATS	Artesia							11											
USA, NY	260.0	PYA	Penn Yan				02														
USA, NY	356.0	HEU	Hunter' Schenectady															02			
USA, NY	523.0	JJH	Johnstown				02														
USA, OH	223.0	MW	Onida' Franklin																04		
USA, OH	230.0	BU	Boutn' Columbus																02		
USA, OH	239.0	HKF	Hook Field' Middletown																02		
USA, OH	245.0	PWF	Sportys' Batavia																02		
USA, OH	250.0	UGS	University' Athens / Albany																02		
USA, OH	253.0	DD	Cobbs' Columbus																02		
USA, OH	278.0	HOC	Hillsboro																02		
USA, OH	299.0	HW	Cubla' Wilmington																02		
USA, OH	315.0	AT	Bruny' Dayton																02		
USA, OH	335.0	LUK	Cincinnati				02							17					02		
USA, OH	341.0	CCJ	Clark Co' Springfield				02								19						
USA, OH	362.0	AK	Akron												19						
USA, OH	376.0	LC	Pickl' Columbus				02							19	19				02		
USA, OH	407.0	IL	Airbo' Wilmington				02												02		
USA, OH	414.0	CSS	Court House' Washington Court House																02		
USA, OH	423.0	PCW	Port Clinton				01														
USA, OK	350.0	RG	Gally' Oklahoma City							11							06			16	
USA, OK	400.0	AI	Addmo' Ardmore																	16	
USA, OR	378.0	OT	Emire' North Bend								08										
USA, PA	372.0	CQD	Cascade' Erie												16						
USA, SC	329.0	CH	Ashly' Charleston											04							
USA, SD	245.0	FS	Rokky' Sioux Falls														19				
USA, TX	251.0	AM	Pande' Amarillo										12				07				
USA, TX	308.0	UTS	Huntsville																	16	
USA, TX	320.0	TY	Tyler / Indoo																	16	
USA, TX	326.0	MA	Farly' Midland							12							07			07	
USA, TX	332.0	RPF	Carthage																	16	
USA, TX	341.0	DNI	Denison																	16	
USA, TX	344.0	CGQ	Powell' Corsicana																	16	
USA, TX	347.0	ATA	Atlanta																	16	
USA, TX	350.0	LF	Flufy' Lufkin																	16	
USA, TX	359.0	SDR	Snyder							11										16	
USA, TX	365.0	FT	Mufin' Fort Worth																	16	
USA, TX	375.0	PSN	Palestine																	16	
USA, TX	380.0	BBD	Brady							11										16	
USA, TX	391.0	GXD	Nacogdoches																	16	
USA, TX	396.0	CRS	Corsicana																	16	
USA, TX	400.0	ROB	Robinson' Waco																	16	
USA, TX	410.0	GG	Veels' Longview																	16	
USA, VA	367.0	FVX	Farmville				02														
USA, WA	240.0	BVS	Skagit / Bay View' Burlington / Mt Vernon			05															

Cou, S/P	QRG	ID	Name	CAN AB d5	CAN BC bt	CAN BC sm	CAN NS vm	USA AZ bc	USA AZ kw	USA AZ sr	USA CA ha	USA CA pa	USA CO ac	USA IL fy	USA MI ct	USA MO dp	USA NE dn	USA NH jc	USA OH dm	USA TX du	USA WA so	USA WI zi
USA, WA	284.0	FHR	Friday Harbor			06																
USA, WA	328.0	LAC	Lacomas' Fort Lewis								08											
USA, WA	338.0	K	Ediz Hook' Port Angeles			06																
USA, WA	348.0	MNC	Mason Co' Shelton			09					08											
USA, WA	362.0	BF	Nolla' Seattle			10					08										23	
USA, WA	371.0	YK	Donny' Yakima								09											
USA, WA	382.0	AW	Waton' Arlington																		05	
USA, WA	408.0	MW	Pelly' Moses Lake			06					07										05	
USA, WA	515.0	CL	Elwha' Port Angeles			20																
USA, WI	332.0	SG	Depre' Green Bay											19								21
USA, WI	344.0	UNU	Juneau											17								22
USA, WI	356.0	GR	Famis' Green Bay																			22
USA, WI	362.0	MT	Manitowac											17								22
USA, WI	368.0	VIQ	Neillsville											19								
USA, WI	371.0	RYV	Rock River' Watertown											17								22
USA, WI	389.0	EN	Codee' Kenosha											17								23
USA, WI	391.0	MFI	Marshfield																			23
USA, WI	395.0	OS	Pober' Oshkosh											17								23
USA, WY	280.0	GYZ	Camp Guernsey' Guernsey										13									
USA, WY	293.0	TOR	Torrington										13				19					
XOE	366.5	NRA	Noble Regina Allen				19															
XON	242.0	3E	Platform (See comments)				22															

COUNTRIES HEARD:

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

Cou	Cou-Name	CAN AB d5	CAN BC bt	CAN BC sm	CAN NS vm	USA AZ bc	USA AZ kw	USA AZ sr	USA CA ha	USA CA pa	USA CO ac	USA IL fy	USA MI ct	USA MO dp	USA NE dn	USA NH jc	USA OH dm	USA TX du	USA WA so	USA WI zi
ALS	Alaska, AK			2																
AZR	Azores				1															
CAN	Canada, AB	17		13					1											
CAN	Canada, BC		16	37				4	13	10					2				14	
CAN	Canada, MB			1																
CAN	Canada, NB				8											1				
CAN	Canada, NL				11											4				
CAN	Canada, NS				8											1				
CAN	Canada, NT			2																
CAN	Canada, NU				2															
CAN	Canada, ON				18							12	10		2	6	2			3
CAN	Canada, PE				1															
CAN	Canada, QC				30							5		1		22	1			1
CAN	Canada, SK	4		3											1					
CAN	Canada, YT			3																
CYM	Cayman Islands																	1		
HWA	Hawaii, HI							2												
SPM	St Pierre Et Miquelon				1															
USA	USA, AR																	3		
USA	USA, AZ					3	1	1	1	1										
USA	USA, CA			1				2	1	3									1	

Cou	Cou-Name	CAN AB d5	CAN BC bt	CAN BC sm	CAN NS vm	USA AZ bc	USA AZ kw	USA AZ sr	USA CA ha	USA CA pa	USA CO ac	USA IL fy	USA MI ct	USA MO dp	USA NE dn	USA NH jc	USA OH dm	USA TX du	USA WA so	USA WI zi
USA	USA, CO							2			4				1					
USA	USA, FL				1							1								
USA	USA, GA																1			
USA	USA, IA											4		3	1					1
USA	USA, ID							1	1											
USA	USA, IL											11		18						6
USA	USA, IN											7	3				2			4
USA	USA, KS							1	1		5				4					
USA	USA, LA																	5		
USA	USA, MA				3											3				
USA	USA, MD				1															
USA	USA, ME				2											1				
USA	USA, MI				3							4	4				2			5
USA	USA, MN											1								1
USA	USA, MO											1		5						
USA	USA, MT			1				1	2	1										
USA	USA, NE										3				14					
USA	USA, NH															3				
USA	USA, NM							1												
USA	USA, NY				2											1				
USA	USA, OH				5							2	3				13			
USA	USA, OK							1							1			2		
USA	USA, OR								1											
USA	USA, PA												1							
USA	USA, SC											1								
USA	USA, SD														1					
USA	USA, TX							3			1				2			16		
USA	USA, VA				1															
USA	USA, WA			7					5										3	
USA	USA, WI											7								8
USA	USA, WY										2				1					
XOE	Int Waters: Europe				1															
XON	Int Waters: N.America				1															

LISTENING TIMES:

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

UTC (hh)	CAN AB d5	CAN BC bt	CAN BC sm	CAN NS vm	USA AZ bc	USA AZ kw	USA AZ sr	USA CA ha	USA CA pa	USA CO ac	USA IL fy	USA MI ct	USA MO dp	USA NE dn	USA NH jc	USA OH dm	USA TX du	USA WA so	USA WI zi
00:00 - 00:59				2						2									1
01:00 - 01:59				23											24				2
02:00 - 02:59				45					1	1	10				14	18	2		
03:00 - 03:59					2						1			1	4				
04:00 - 04:59		3			1				3		6					2	1		
05:00 - 05:59	21	6	13						7		2							6	
06:00 - 06:59		6	19						4				1	3				6	
07:00 - 07:59		1						4						9			4	2	
08:00 - 08:59								17						1					
09:00 - 09:59			6					5				3							

UTC (hh)	CAN AB d5	CAN BC bt	CAN BC sm	CAN NS vm	USA AZ bc	USA AZ kw	USA AZ sr	USA CA ha	USA CA pa	USA CO ac	USA IL fy	USA MI ct	USA MO dp	USA NE dn	USA NH jc	USA OH dm	USA TX du	USA WA so	USA WI zi
10:00 - 10:59			22			1													
11:00 - 11:59			9				16												
12:00 - 12:59							3			8									
13:00 - 13:59										2									
14:00 - 14:59																1			
15:00 - 15:59																			
16:00 - 16:59												1	13				20		
17:00 - 17:59										2	26								
18:00 - 18:59											7								
19:00 - 19:59				25							4	17	1	16					
20:00 - 20:59			1										12						
21:00 - 21:59																			6
22:00 - 22:59				5															15
23:00 - 23:59																		4	5
NDBs	21	16	70	100	3	1	19	26	15	15	56	21	27	30	42	21	27	18	29

NDB COUNTS, BY FREQUENCY:

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

NDBs	QRG	CAN AB d5	CAN BC bt	CAN BC sm	CAN NS vm	USA AZ bc	USA AZ kw	USA AZ sr	USA CA ha	USA CA pa	USA CO ac	USA IL fy	USA MI ct	USA MO dp	USA NE dn	USA NH jc	USA OH dm	USA TX du	USA WA so	USA WI zi	NDBs
1	200.0			1															1		1
2	203.0			1						1											2
1	204.0				1																1
1	205.0				1																1
1	206.0				1																1
1	208.0				1																1
2	209.0				1										1						2
1	212.0				1																1
1	214.0			1						1											1
1	215.0	1																			1
2	218.0			1										1							2
1	219.0				1																1
2	220.0				1	1															2
2	221.0	1		1	1																2
2	223.0			1						1							1				2
1	224.0				1																1
1	225.0	1																			1
1	227.0			1																	1
1	229.0				1																1
5	230.0	1		1	1					1					1		1				5
1	232.0				1																1
4	233.0			1	1						1			1	1						4
1	235.0				1																1
1	236.0			1						1											1
2	239.0			1													1				2
2	240.0			1										1							2

1	241.0	1		1																		**1**
3	242.0			2	1					1												**3**
1	243.0				1																	**1**
4	245.0					1										2		1				**4**
1	246.0			1																		**1**
2	248.0			1	1										1		1					**2**
2	250.0				1													1				**2**
3	251.0			1						1	1				1	1				1		**3**
1	253.0																	1				**1**
4	254.0			2	1													1				**4**
5	257.0	1		2	1										1	1	1					**5**
3	260.0			1	2																	**3**
1	261.0				1												1					**1**
2	263.0				1										1		1					**2**
3	266.0	1		1	1															1		**3**
3	269.0			1	1										1	1						**3**
1	270.0				1																	**1**
4	272.0	1		1	1										1		1					**4**
1	275.0														1							**1**
2	276.0				1												2					**2**
3	278.0				2												1	3				**3**
2	280.0				1						1						1					**2**
1	281.0				1												1					**1**
2	283.0			1	1													1				**2**
2	284.0			2																		**2**
1	287.0			1																		**1**
1	289.0				1																	**1**
1	290.0			1					1											1		**1**
1	291.0				1																	**1**
4	293.0			1							1				1	2						**4**
1	295.0			1																		**1**
2	299.0	1		1														1				**2**
2	304.0	1			1																	**2**
1	305.0															1						**1**
2	308.0	1																	1			**2**
1	312.0			1																		**1**
1	314.0															1						**1**
1	315.0																	1				**1**
3	317.0	1			1											1	1					**3**
2	320.0	1																	1			**2**
1	321.0										1											**1**
2	323.0				1							1										**2**
1	325.0		1	1					1													**1**
8	326.0		2	2	1			2	1	1		3	1	1	3	1			1	1	1	**8**
3	328.0								1			1				1						**3**
5	329.0	1			1							3			1						1	**5**
10	332.0	1	1	1	1			1				3	2		1	1			1		3	**10**
5	335.0				2						1	2	1			1	1	1				**5**
2	336.0				1								1			1					1	**2**
7	338.0	1		2	2	1	1	1	1	1		2	2	1							1	**7**
1	339.0				1																	**1**
2	340.0				2							1				1					1	**2**
6	341.0			1	1						1	2	1		1				1		2	**6**
1	343.0															1						**1**

8	344.0	1	1	1	2			1	2			2				1		1	1	1	**8**
1	346.0											1									**1**
2	347.0														1			1			**2**
2	348.0			1	1				1												**2**
6	350.0		1	1	2			1	1	1		1	1	1	1	1		2	1		**6**
1	351.0				1							1				1					**1**
3	353.0				1			1				2	1				1				**3**
1	355.0											1									**1**
10	356.0			2	2							2		1	1	4				3	**10**
1	358.0				1																**1**
4	359.0		1	1				1	2		1				1			1			**4**
1	360.0				1											1					**1**
7	362.0			2	2				2	1		2	2			2		1	1	2	**7**
1	363.0				1																**1**
1	364.0				1																**1**
2	365.0											1	1					1		1	**2**
2	366.0				1							1		1							**2**
1	366.5				1																**1**
1	367.0				1																**1**
6	368.0		1	2	2			1	1	1		1	1			1		1	1		**6**
4	371.0				1				1			2				1				2	**4**
1	372.0												1								**1**
2	373.0				1											1					**2**
1	374.0		1	1					1										1		**1**
5	375.0			1								1	1	1				2		1	**5**
1	376.0				1							1	1				1				**1**
1	377.0															1					**1**
4	378.0		1	1	2				1			1				1			1		**4**
3	379.0											1						1		2	**3**
3	380.0				1			1			1							1			**3**
1	381.5											1								1	**1**
9	382.0		2	2	1				1			3	2	2					2	2	**9**
2	383.0							1	1		1				1						**2**
1	384.0				1											1					**1**
6	385.0		1	1	1			1	1	1		2	1	1				1	1		**6**
2	386.0										1				1	1					**2**
1	387.0				1																**1**
4	388.0	1		1					1			1		1							**4**
4	389.0		1	1	1				1			1			1				1	1	**4**
2	390.0				1							1		1		1					**2**
6	391.0		1		1							2	1	1				1		1	**6**
2	392.0				1							1			1	1					**2**
2	394.0			1								1									**2**
3	395.0							1	1		1	1			1	1				1	**3**
3	396.0				1							1						1			**3**
5	397.0			1	1			1				1		1							**5**
1	398.0			1																	**1**
7	400.0		1	1	1			2	1	1	1	1		1				2	1	1	**7**
1	401.0															1					**1**
2	402.0				2											1					**2**
2	404.0			1				1	1	1				1					1		**2**
1	405.0	1		1																	**1**
1	406.0	1		1																	**1**
5	407.0				2			1			1			1		1	1	1			**5**

3	408.0			1	1				1		1								1		**3**
1	409.0				1											1					**1**
2	410.0																1	1			**2**
4	414.0	1		1				1									1	1			**4**
1	415.0																	1			**1**
1	416.0														1						**1**
1	419.0				1												1				**1**
1	422.0														1						**1**
1	423.0				1																**1**
1	426.0																1				**1**
1	515.0			1																	**1**
1	516.0				1																**1**
1	520.0				1																**1**
1	523.0				1																**1**
		CAN AB	**CAN BC**	**CAN BC**	**CAN NS**	**USA AZ**	**USA AZ**	**USA AZ**	**USA CA**	**USA CA**	**USA CO**	**USA IL**	**USA MI**	**USA MO**	**USA NE**	**USA NH**	**USA OH**	**USA TX**	**USA WA**	**USA WI**	
NDBs	**QRG**	**d5**	**bt**	**sm**	**vm**	**bc**	**kw**	**sr**	**ha**	**pa**	**ac**	**fy**	**ct**	**dp**	**dn**	**jc**	**dm**	**du**	**so**	**zi**	**NDBs**

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 aerials, 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 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.

CLE234_Results_RoW.xls
je - 03.08.2018