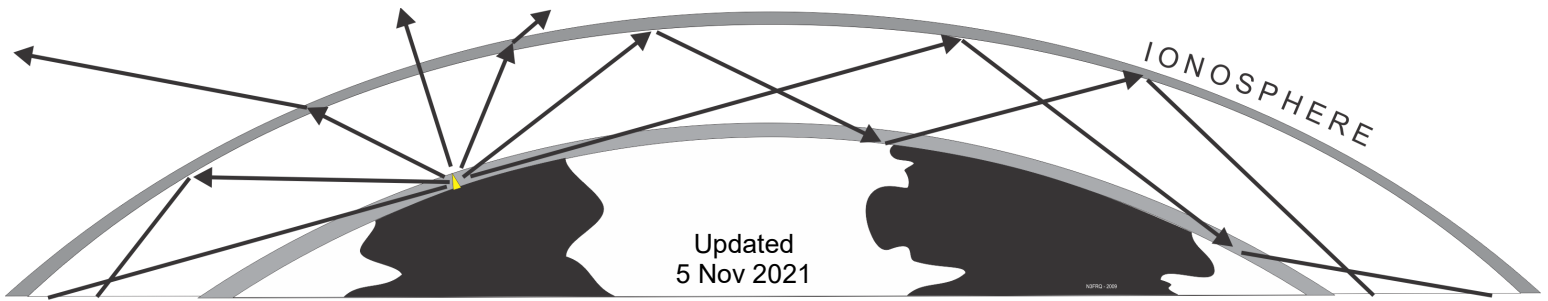


# Get off the Web! Get your head out of the Cloud! Experience: Long-Distance (DX) Radio Listening



During nighttime hours, especially during Winter, old fashioned **AM radio** is able to span long distances due to **sky-waves** bouncing off the **ionosphere**. Even a simple radio is capable of hearing stations more than 500 miles away.

## RADIOS

For this adventure a portable AM receiver will do just fine. One with digital frequency readout will make finding stations easier.

## EXERCISE 1:

Tune some local stations, 660 KHz - WFAN, 710 KHz - WOR, 770 KHz - WABC, etc. Rotate the receiver around it's vertical axis, observing the change in reception.

## EXERCISE 2:

Tune to a weak station. Walk around the house to find a place where signals are strongest, and noise is at a minimum. Try in a window or near an outside wall.

## EXERCISE 3 (at night):

Tune to 900 KHz. Rotate the receiver for best reception. This is likely to be CHML in Hamilton, Ontario, Canada, more that 300 miles distant. Listen here for old radio programs late at night.

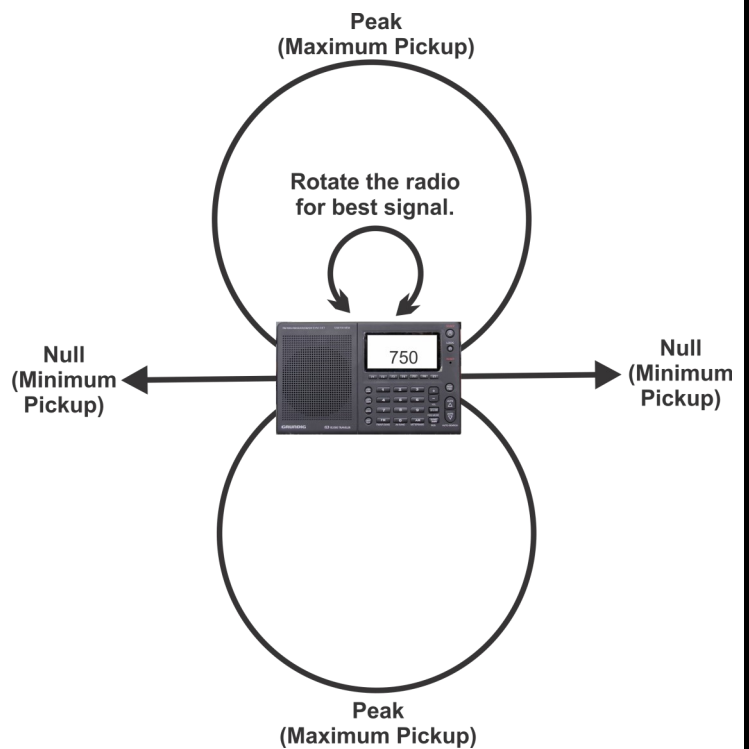
## EXERCISE 4 (at night):

Tune to 770 KHz, WABC, NYC.  
Now tune in the adjacent DX stations:

780 KHz, WBBM, Chicago, Il.  
760 KHz, WJR, Detroit, Mi.  
750 Khz, WSB, Atlanta, Ga.  
740 KHz, CFZM, Toronto, On.

Welcome to the world of DX'ing!

## Antennas Intercept Radio Waves



Modern AM radios use an internal **loop antenna** that responds to the **magnetic component** of the **electromagnetic** wave. The antenna will have the best pickup off the "broad" side of the radio. Rotate the set for peak reception of the desired station, or to null out an unwanted station.



The New Jersey Antique Radio Club's  
**Radio Technology Museum**

At InfoAge

[www.rtm.ar88.net/Radio Listening.html](http://www.rtm.ar88.net/Radio%20Listening.html)



# AM DX Station List

There are thousands of AM broadcast stations. Here are a few of the loud and interesting ones.

DIFFiculty: \* = Local for reference 1 = easy, 2 = more difficult, 3 = hard

Updated: 5 Nov 2021

LOG = Dial reading on your radio.

DIFF.	FREQ	LOG	CALL	LOCATION	DX	Comments
*	560		WFIL	Philadelphia	49	
*	570		WMCA	NYC		Radio Reloj underneath
3	600		CMKA	San German, CU	1347	R. Rebelde // 670 Spanish
*	640		WWJZ	Mt. Holly, NJ		
2	650		WSM	Nashville	736	"Grand Ole Opry" country
*	660		WFAN	NYC		sports
3	670		CMBC	Arroyo Arena, CU	1271	R. Rebelde // 600 Spanish
2	670		WSCR	Chicago	708	"The Score" CBS
2	700		WLW	Cincinnati, OH	550	News-Talk "The Big One"
*	710		WOR	NYC		
2	720		WGN	Chicago	720	News-Talk (Chiago Blackhawks)
1	740		CFZM	Toronto	352	"Zoomer Radio" - Oldies
2	750		WSB	Atlanta	717	News-Talk
1	760		WJR	Detroit	482	News-Talk
*	770		WABC	NYC		
2	780		WBBM	Chicago	708	All-News "Bloomberg, CBS News, Chiago Bears"
1	800		CKLW	Windsor, ONT	473	"AM 800"
1	810		WGY	SCHENECTADY		
*	820		WNYC	NYC		
3	820		WBAP	Dallas, TX	1379	News-Talk "Fox News, Westwood One"
2	840		WHAS	Louisville, KY	630	
3	850		KOA	Denver, CO	1615	"Broncos Radio" news
1	860		CJBC	Toronto	352	French
3	870		WWL	New Orleans	1128	news/talk/sports - Radio Reloj as well.
*	880		WCBS	NYC		
2	890		WLS	Chicago	708	talk
1	900		CHML	Hamilton, ONT	354	"AM 900" Old Time Programs
2	1000		WMVP	Chicago	708	ESPN
*	1010		WINS	NYC		
1	1020		KDKA	Pittsburgh	301	The original broadcast station
1	1030		WBZ	Boston	222	
3	1040		WHO	Des Moines, IA	1014	"News Radio 1040"
*	1050		WEPN	NYC		
*	1060		KYW	Philadelphia	49	
1	1100		WTAM	Cleveland	397	news
1	1110		WBT	Charlotte, NC	501	news/talk
2	1120		KMOX	St. Louis, MO	860	news CBS
1	1170		WWVA	Wheeling, WV	340	
1	1180		WHAM	Rochester	265	
2	1190		WOWO	Ft. Wayne, IN	573	news/talk
3	1200		WOAI	San Antonio, TX	1558	news/talk
*	1210		WPHT	Philadelphia	49	
1	1500		WFED	Wheaton, MD (DC)	146	Federal News Radio
2	1510		WLAC	Nashville	736	news/talk
1	1520		WWKB	Buffalo	299	
1	1530		WCKY	Cincinnati, OH	550	
3	1540		KXEL	Waterloo, IA	950	news/talk ABC

Distances are from Freehold, NJ

Radio Reloj Cuban Time Station Frequencies

570, 610, 760, 790, 830, 870, 930, 940, 950, 1010, 1270 KHz

Tick on the second, beep on the minute, then RR in Morse "DIT-DAH-DIT DIT-DAH-DIT"