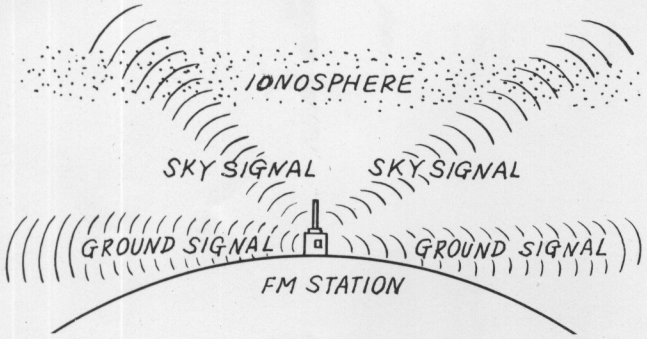
FM

AM

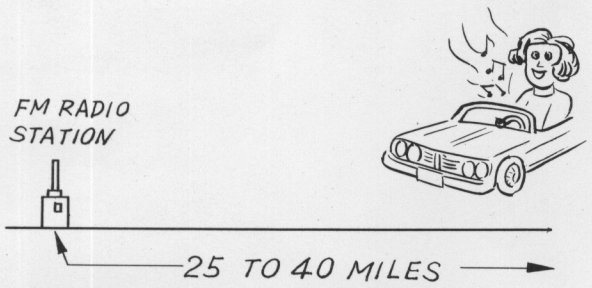
LET'S COMPARE THE TWO

XENON
Z car.com

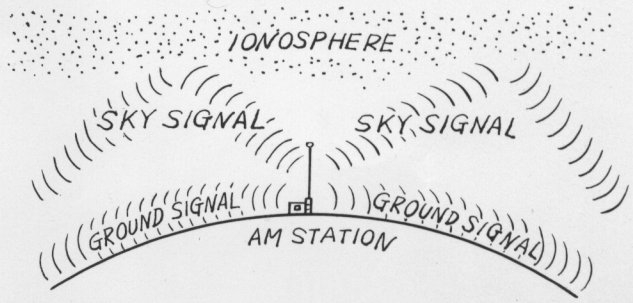
FM RECEPTION RANGE



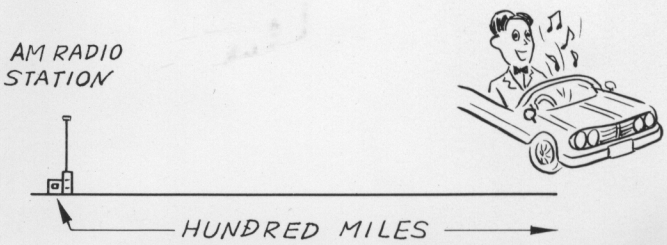
FM signal does not follow curvature of earth and is not reflected back by ionosphere.
Accordingly, FM signal can not be received a hundred miles away.



AM RECEPTION RANGE

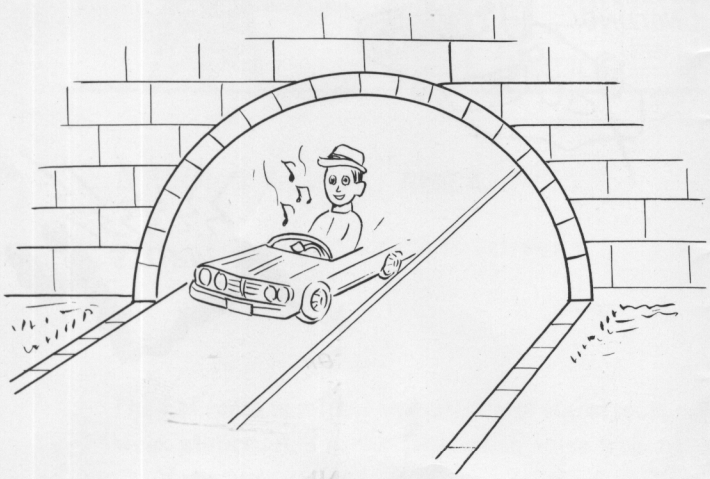


AM signal follows curvature of earth and is easily reflected back by ionosphere.
Accordingly, AM signal can be received a hundred miles away.



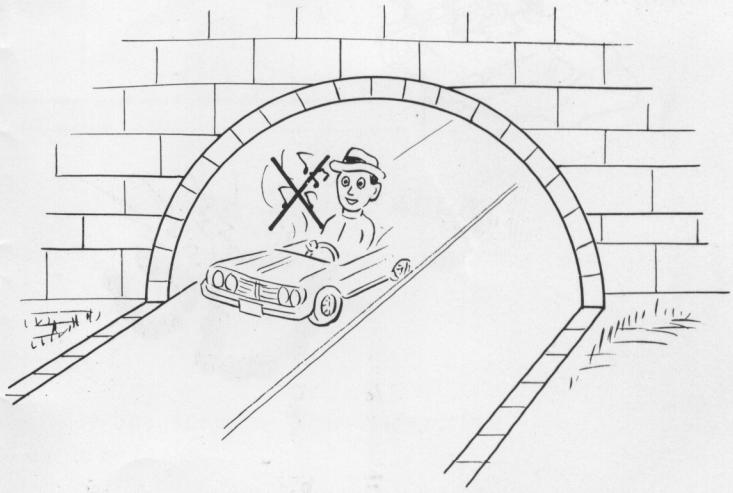
FM SIGNALS

FM signals are not reflected by the ionosphere as mentioned previously, but they are easily reflected by solid objects. FM signals can be sometimes caught in tunnels, under bridges and among tall buildings.

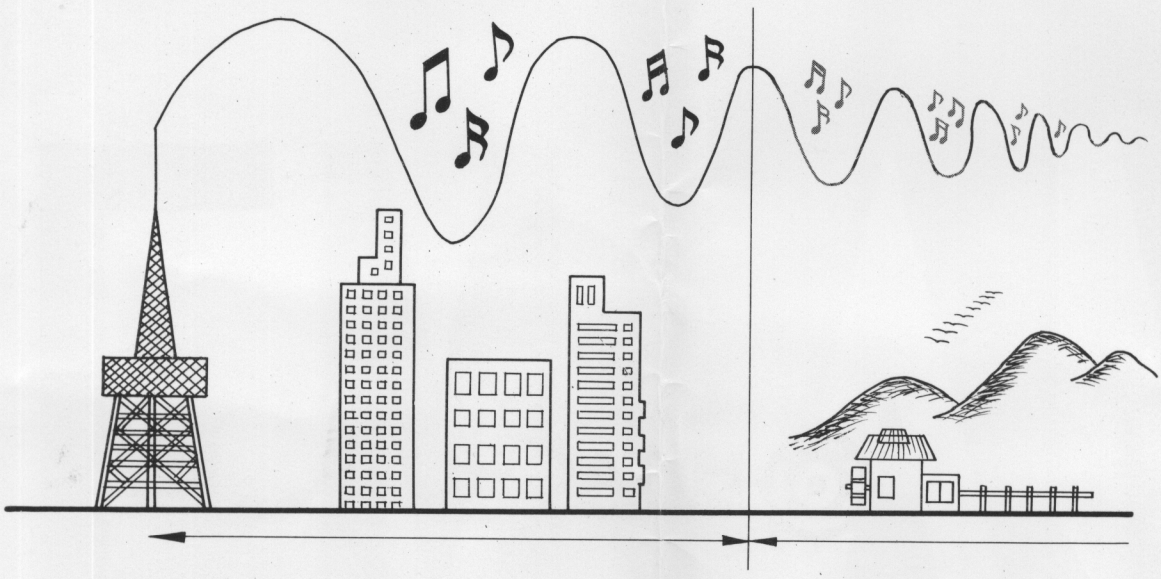


AM SIGNALS

AM signals are reflected by the ionosphere, but they are not reflected by solid objects. AM signals are not caught in tunnels, under bridges and among tall buildings.



WHY IS IT NORMAL FOR NOISE, FADE AND FLUTTER TO BE HEARD FOR RECEPTION OF WEAK FM SIGNAL ?



STRONG SIGNAL AREA

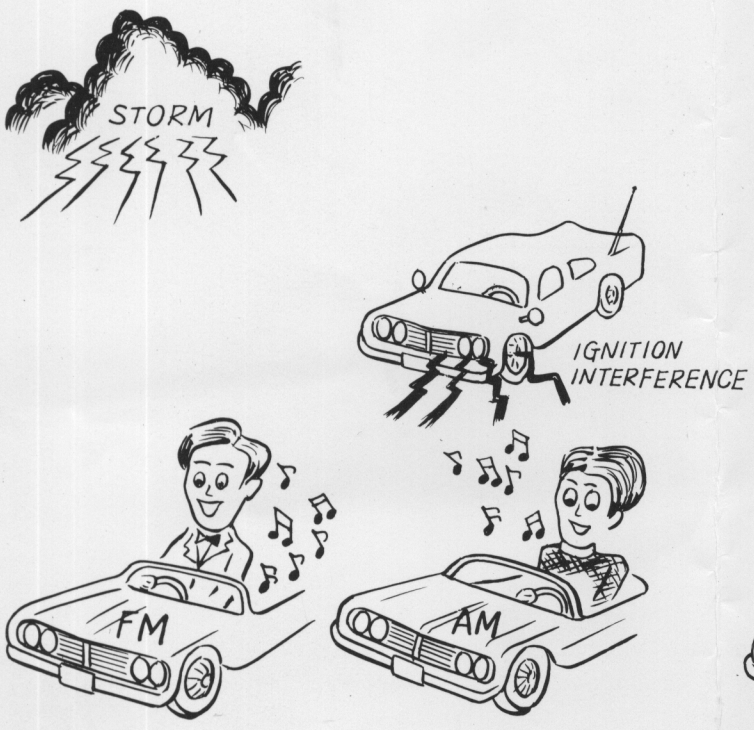
Reception is good, clear and noisefree.

WEAK SIGNAL AREA

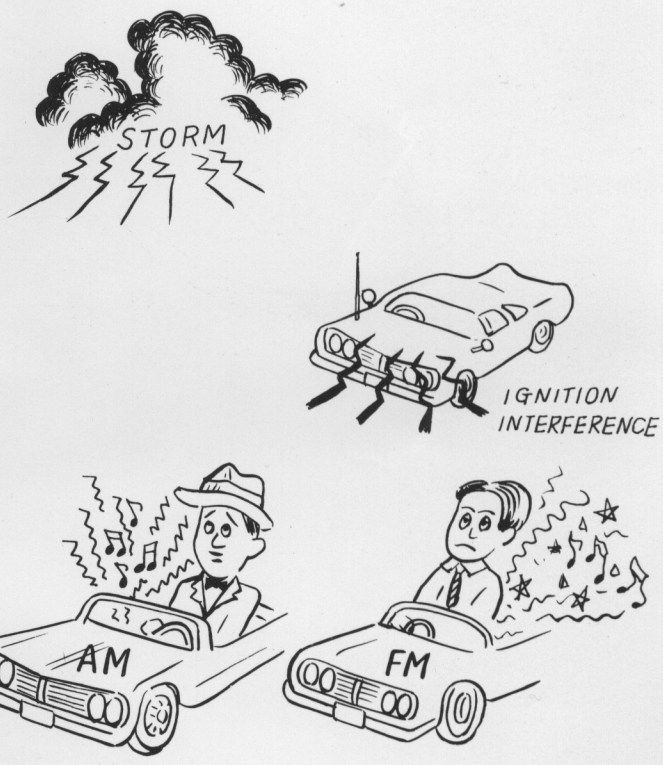
Reception may be poor, exhibiting noise, fade and flutter.

The FM radio is reliant on distance of signal reception for noise-free reception. When listening to a weak station, it is normal for ignition noise from near-by car to be heard.

IN STRONG SIGNAL AREA



IN WEAK SIGNAL AREA





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