Small Magnetic Loops
Photo History

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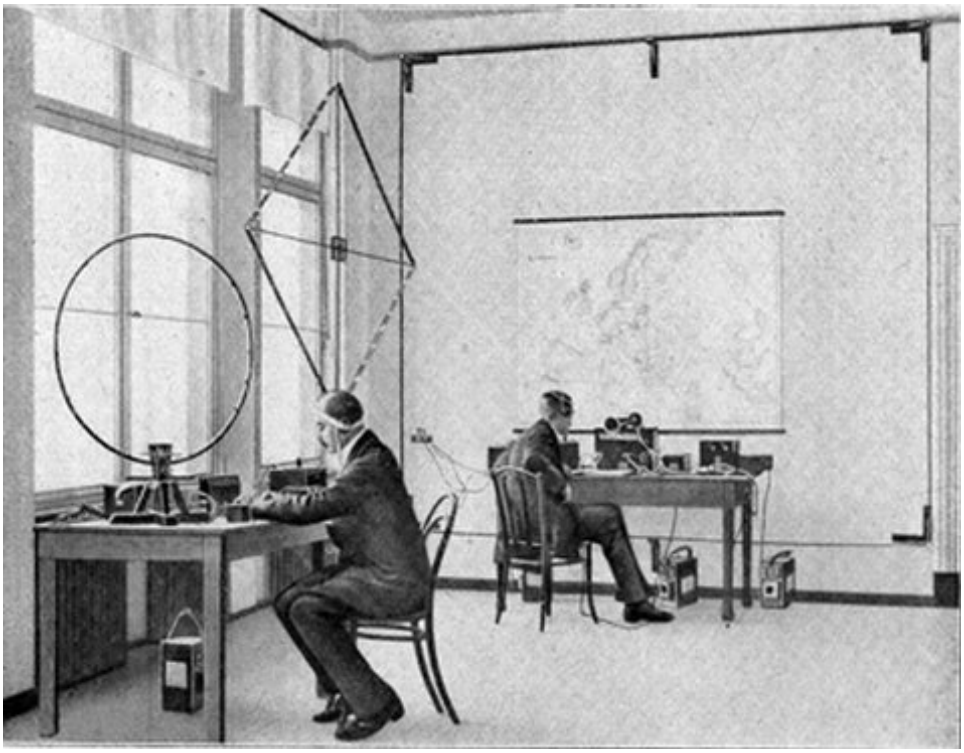
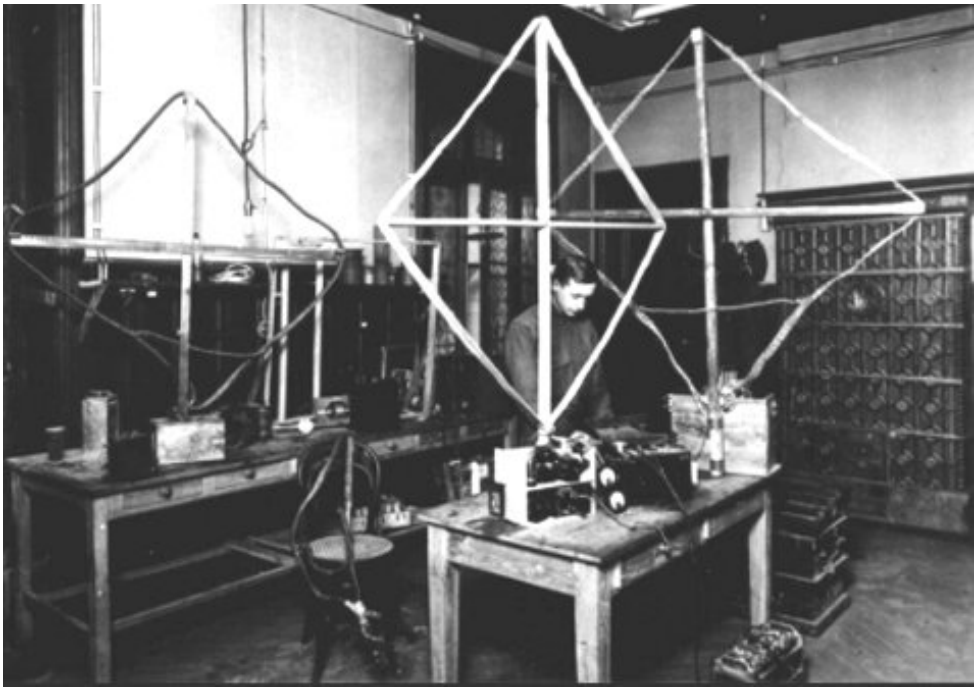
Germany - Rund Funk Radio - circa 1920s

Two small loops mounted on tables plus a large loop mounted on far wall with feedpoint for the large loop shown at lower left.



Paris test laboratory – circa 1920s

Three loops shown in the Paris test laboratory of FM modulator inventor Major E. H. Armstrong, U.S. Signal Corps.



Very large outdoor receiving loops

Control point for VLF receivers at Council Crest near Portland, Oregon. Photo taken in 1927 when this coastal station was owned by the Federal Telegraph Company. Compare the height of the loops to the station door height.

Radio direction finding loop

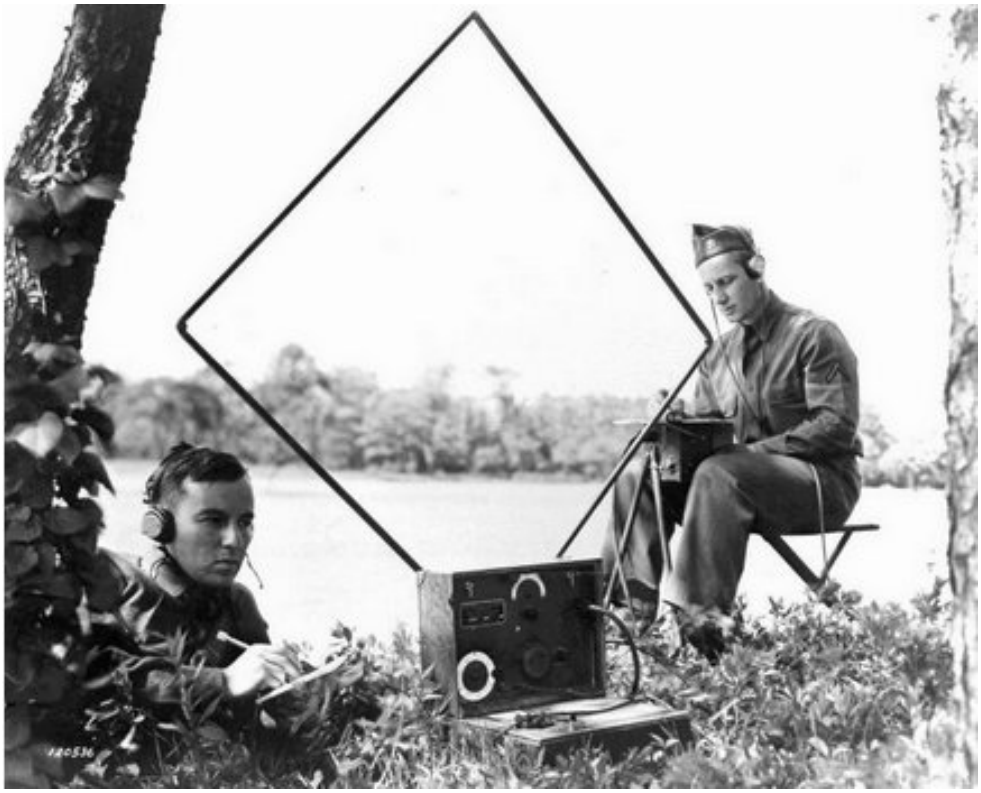
This radio direction finding truck was used by the British Post Office in 1927 to find illegal radio transmissions.

Indoor receiving loop

This is the operating room for coast station WCC Cape Cod, MA showing their large indoor receiving loop. Circa 1930s.

Transmitting and receiving loop

SCR-131 field radio was used during 1930 for portable operation. Frequency range was 4.0-4.36 MHz with the LP-7 loop antenna used for both transmitting and receiving CW.



Portable loops during combat

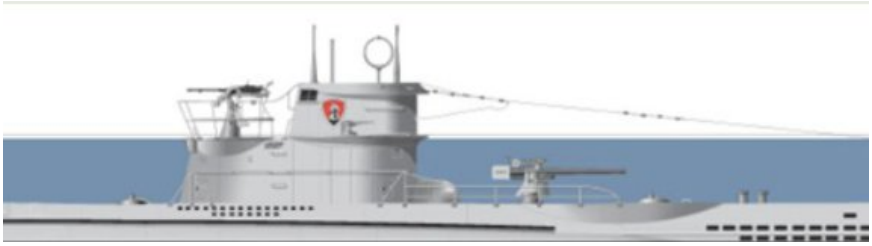
British solder demonstrates a very small loop antenna to the Queen in 1937

Balkans Campaign - 1942

Direction-finding loop aboard U-boat

The U-67 submarine radio direction finder consisted of a receiver and antenna. German U-boats during WW2 were fitted with a loop-type direction finder. The antenna was rotated manually on its axis.

The movie "Das Boot" displayed this receiving loop at port side of the conning tower. It was only shown in two scenes, but added to the authenticity of the movie set.

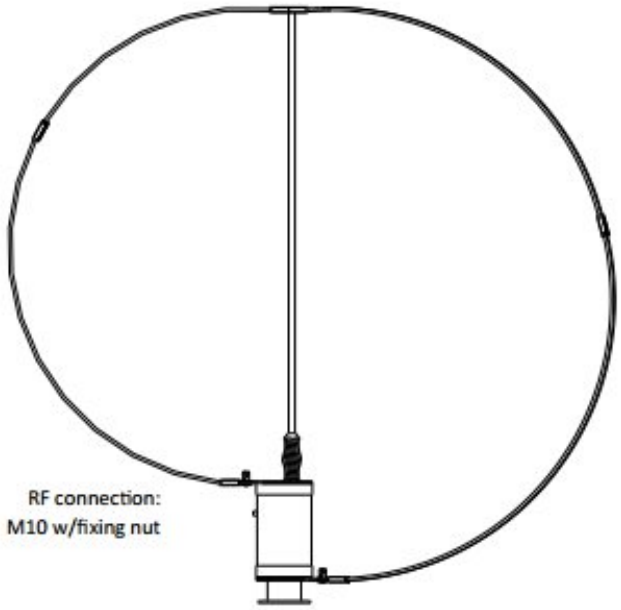


VHF loop mounted on vehicle

Roof-mounted 6-meter halo antenna for mobile amateur radio.

HF loops mounted on military vehicles

COMROD (2004) - HF230-B is a compact HF antenna designed for rapid deployment and to create a base station antenna when working the frequency range of 1.6-30 MHz. The antenna provides Near Vertical Incident Skywave (NVIS) propagation.



COMROD (2005) - HF230L_OTM is a compact HF antenna for on-the-move vehicular platforms from 2 to 30 MHz. It is designed to provide superior Near Vertical Incident Skywave (NVIS) performance at distances from 0 to 500 km allowing continuous communications for ground-wave, NVIS and skywave applications.