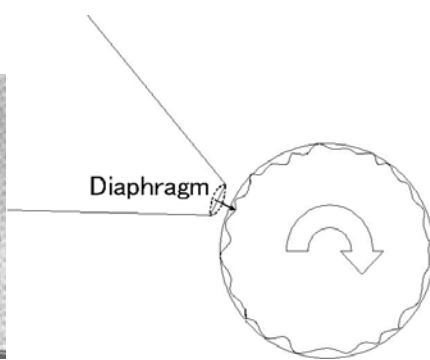
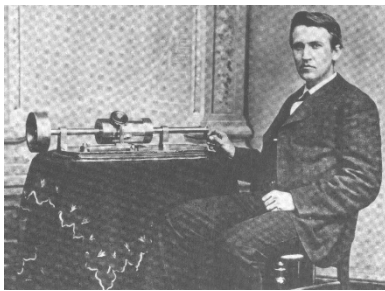


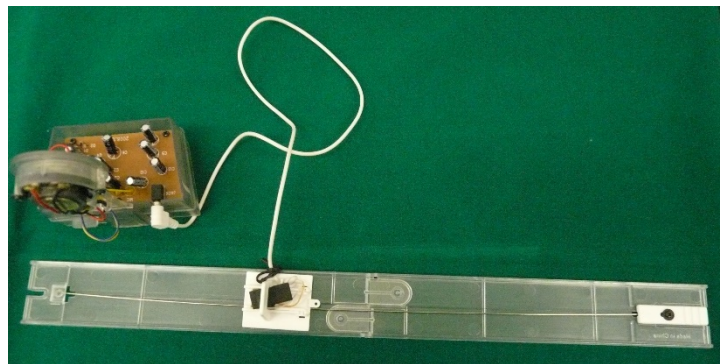
4 Recording



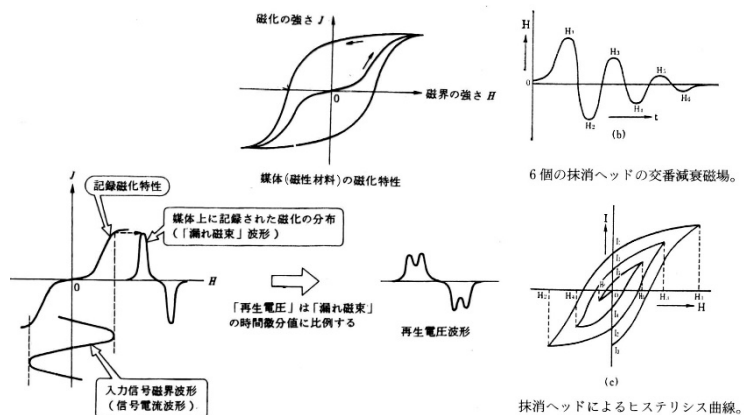
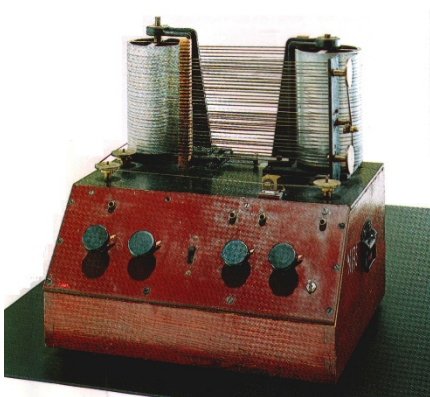
Edison and phonograph (1877) [1]



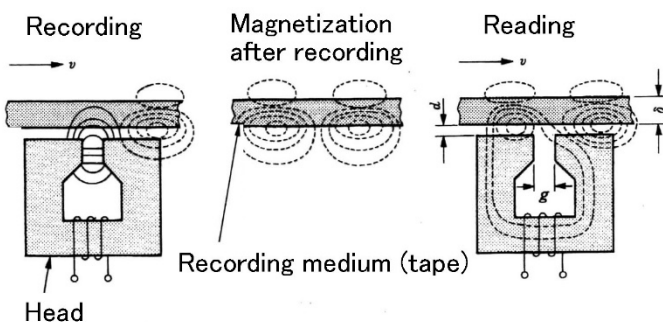
Magnetic wire recording by V. Poulsen (1898),



Magnetic wire recording (Gakken)



AC bias recording (K. Nagai (Tohoku University))



Vacuum tube tape recorder (Sony)

[1] Donation by Mr. Masami Tawara (Optoelectronics)