Please sign-in with the sign-in sheet

“TAPE MUSIC”

before 1960

…but first, a detour to records…

PHONOGRAPH

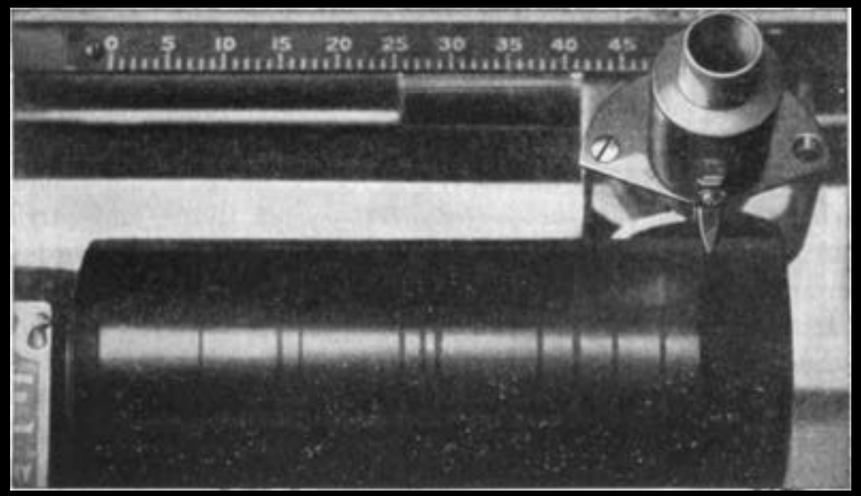
Invented 1877

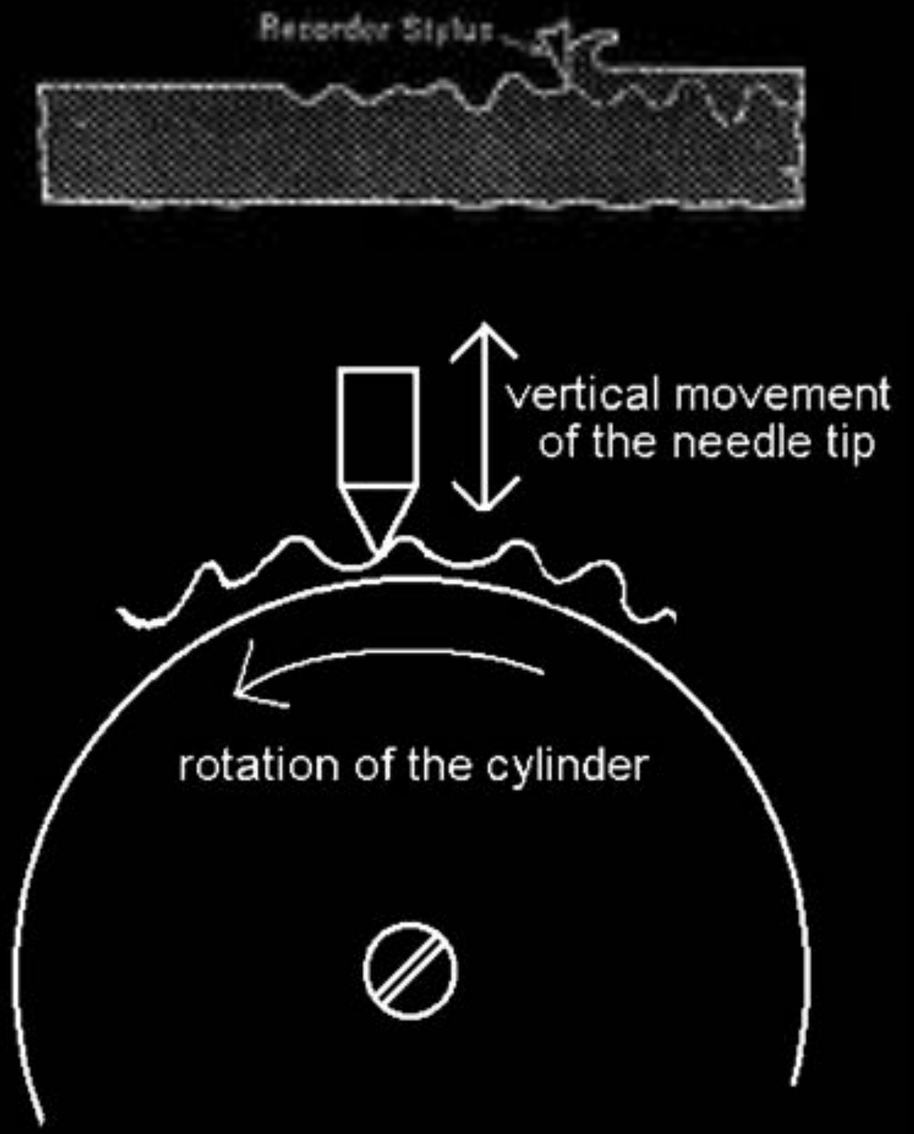
"...I don't want the phonograph sold for amusement purposes, it is not a toy. I want it sold for business purposes only."

Edison

Vertical Cuts

“Hill and Dale”



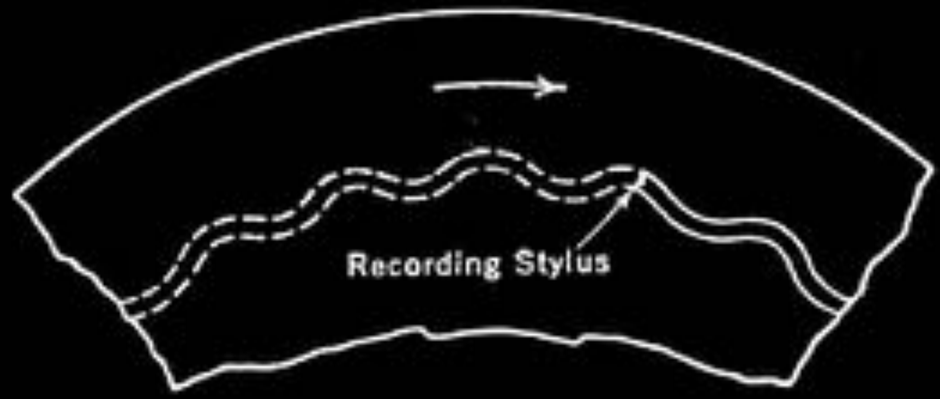


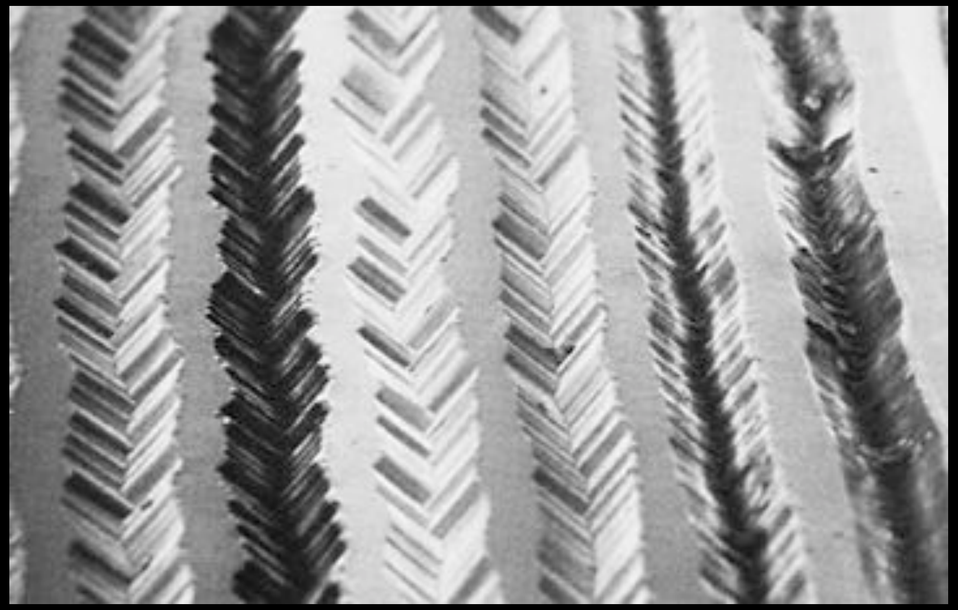
GRAMOPHONE

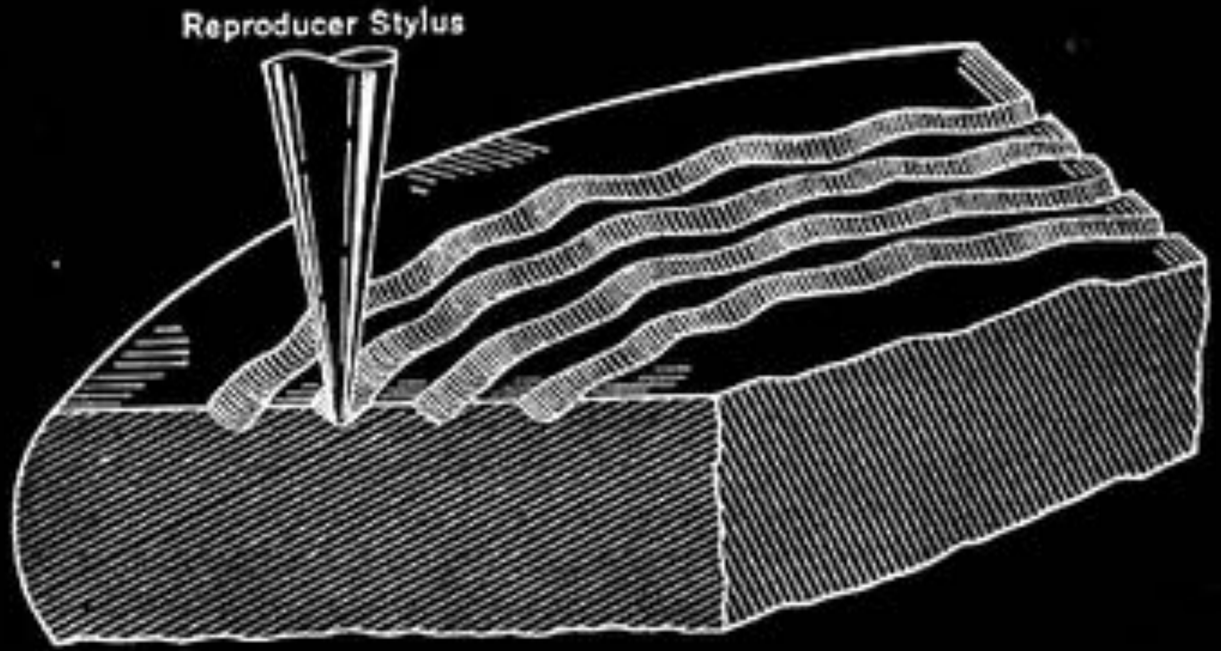
Emile Berliner in 1887

Lateral Cuts

Stylus moves horizontally







CYLINDER VS. DISC

(PHONOGRAPH VS. GRAMOPHONE)

RECORDING PROCESS

ELECTRICAL RECORDING

first electrically recorded discs in 1925

RECORD FORMATS

YEARS	TYPE	RECORDING TIME	...
1888-1929	Cylinder	2-4 minutes	
1900-40s	78 rpm	3-5 min per side	
1948 -	LP (33 1/3 rpm)	15-30 mins per side	album (12”)
1949	45 rpm	4-6 per side (EP 7m)	single (7”)

JOHN CAGE

1939 Imaginary Landscape #1 - records of audio test tones played on two variable speed turntables, with percussion and piano.

Christian Marclay

TRIO

Maria Chavez

Book of Abstract Turntable Techniques

...and now back to tape music pre-1960...

WIRE RECORDER

invented 1898

Halim El-Dabh

First known composer of tape music

The Expression Of The Zaar (1944)

ELECTRONIC MUSIC RESEARCH CENTERS

TO RECORD OR TO SYNTHESIZE

Music Concrete	Elektronische Musik
France	Germany
Recorded Sounds	Synthesized Sounds
Montage, Film	Art Music, Serialism
Pierre Schaeffer	Herbert Einmert

9/20 More History of Electronic Music I: Musique Concrète from 1940s to the Present, ocenaudio II: Advanced, Digital Audio I

HW: Single track editor play: using **sounds the class recorded during the Scavenger Hunt**, create a **10-15 second** (no more, no less) exploration of sound editing and processing using ***all*** of the techniques outlined on the Help Sheet here. Submit it to **this Box folder.** Have fun!

Read *The Art of Noise* by Luigi Russolo

Listen to "Plåtmås" by Hanna Hartman and "I am sitting in a room" by Alvin Lucier (listen to first ~5 minutes, then seek around afterwards)