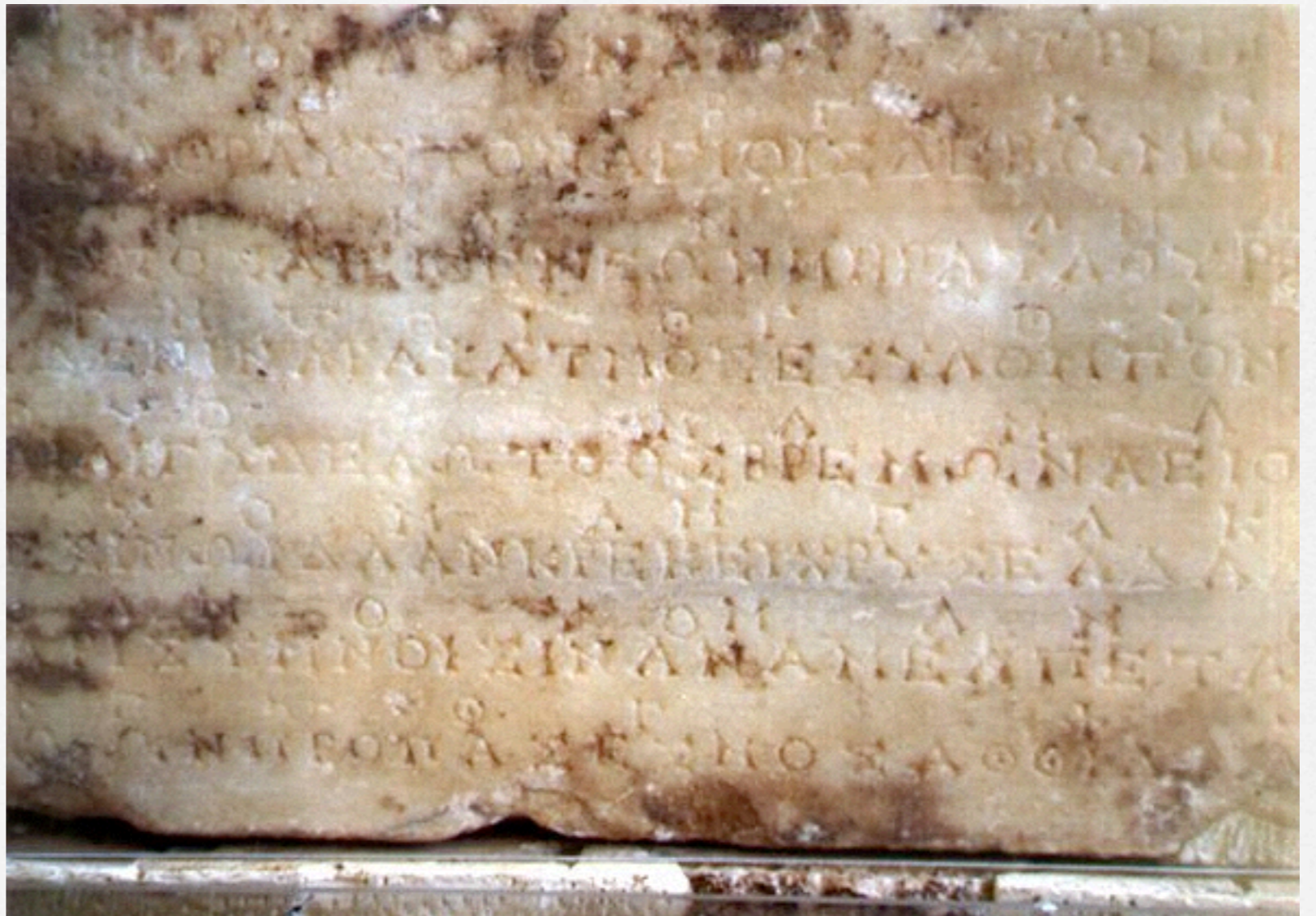


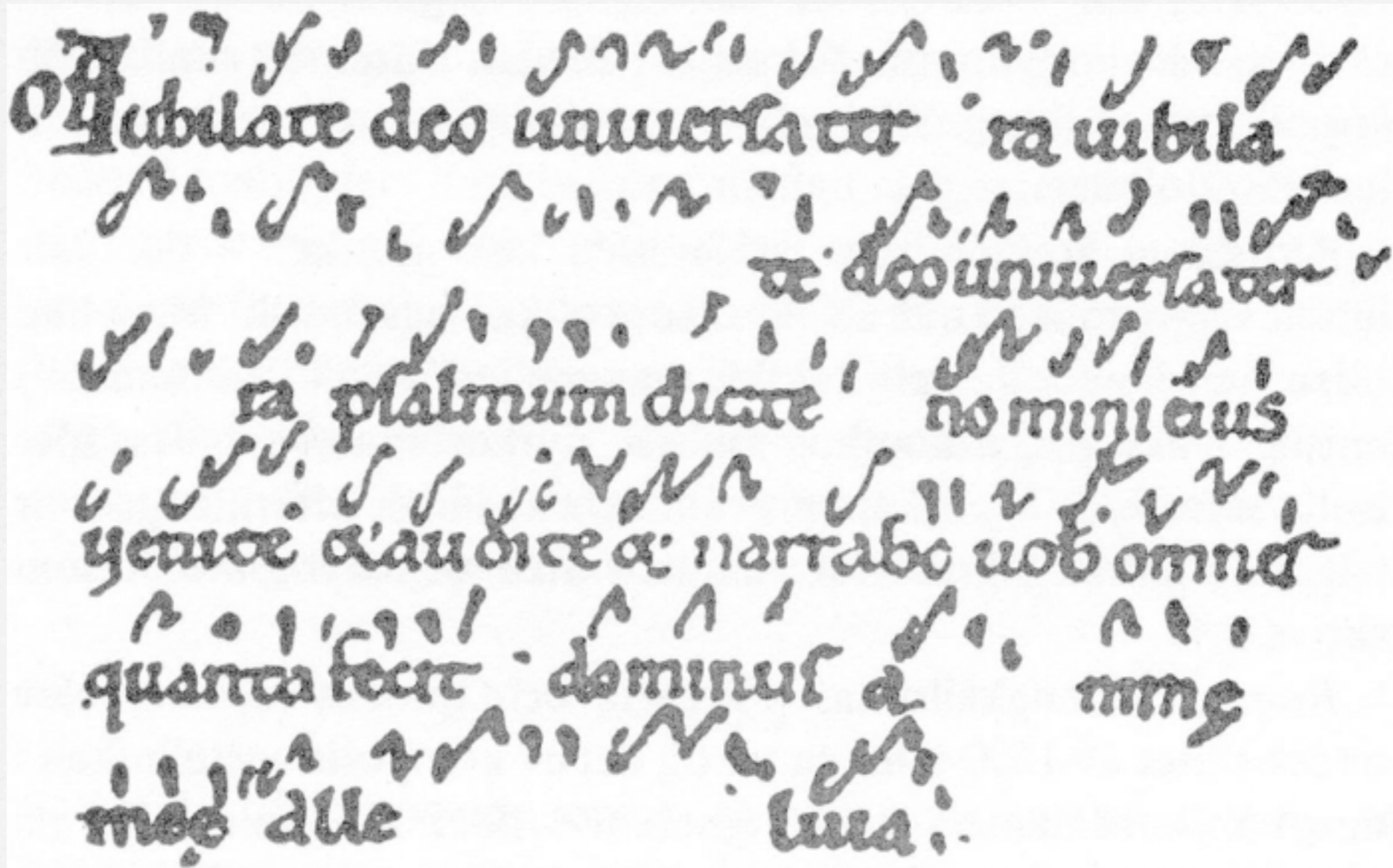
Nuotinkirjoitus

Katsaus tekniikan kehitykseen
Matti Ruippo, 3.9.2016

Delphic hymn
200-100 eaa.



□ Neumíkirjóitus 800-l.


Jubilate deo uniuersa terra iubila
te deo uniuersa terra
psalmum dicite nomini eius
yemite & audite & narrabo uob omnia
quanta fecit dominus a
meo alleluia.

□ Neumíkirjótus



□ Mensuralíkirjoitus

Franconian 1200-l.

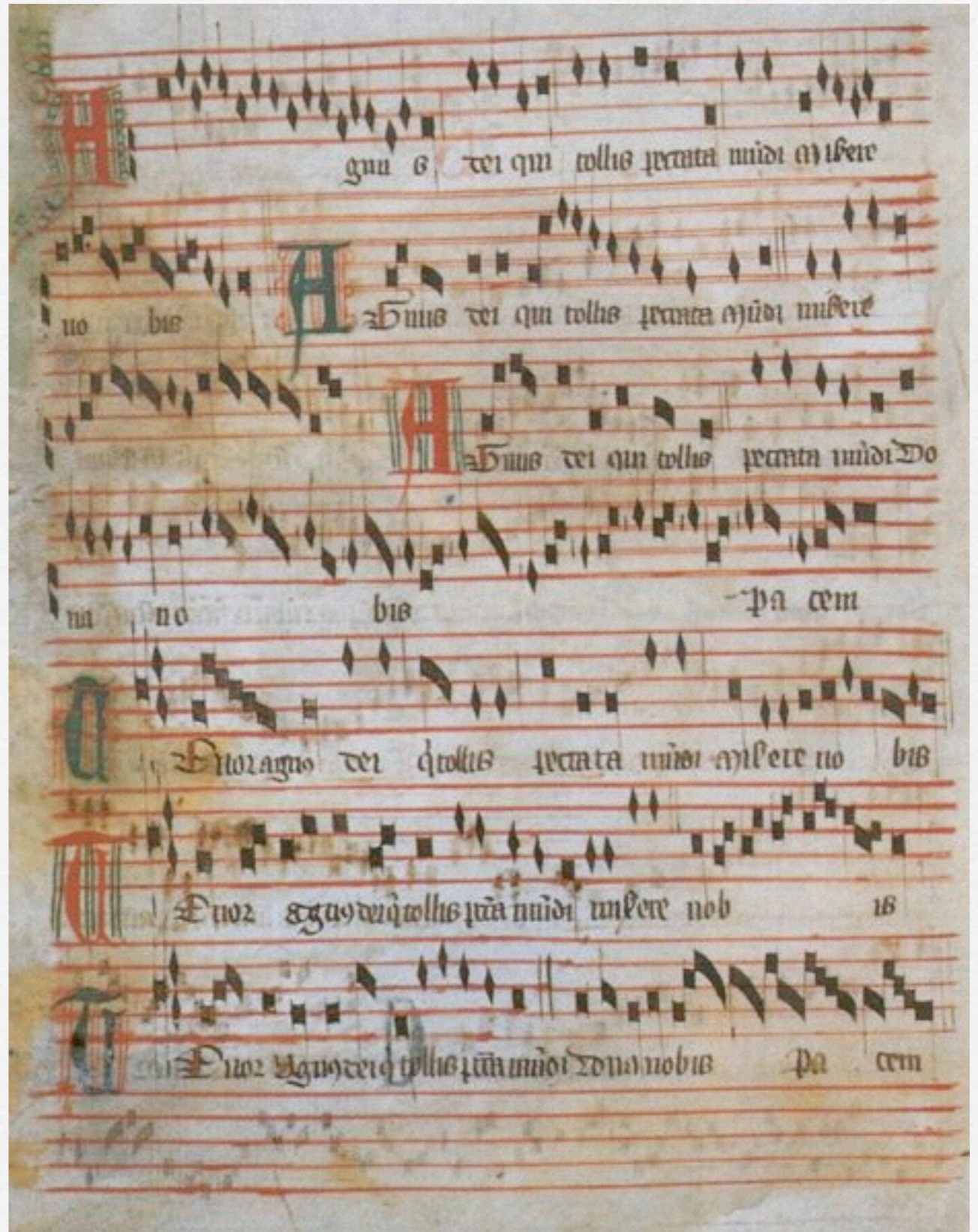
1300-1400-l.

1400-1500-l.

Moderní notaatio

maxima longa brevis semibrevis minima semiminima fusa semifusa l. maior l. minor br. sb. m. sm. f. sf.

Agnus Dei de la
Misa de Barcelona
1360



Liber usualis
Johdannossa
tarkkoja ohjeita
nuotintulkua varten

Ant.
5.

Alma Redemptoris Mater, quae pervia caeli porta manes, Et stella maris, succurre cadenti surgere qui curat populo: Tu quae genuisti, natura mirante, tuum sanctum Genitorem: Virgo prius, ac posteriori, Gabrielis ab ore sumens illud Ave, peccatorum miserere.

Kaiverruslevy 1487



Harmonice Musices
Debecaton



The image shows a handwritten musical score on a page from a spiral-bound notebook. The score is written in a historical style, likely from the early 16th century. It consists of five staves of music. The first staff is labeled 'Tosquin' and the second staff is labeled 'Diu meo amore'. The third staff is also labeled 'Diu meo amore'. The fourth staff is labeled 'Tenor' and the fifth staff is also labeled 'Diu meo amore'. The music is written in a style that uses a combination of square and diamond-shaped notes, with stems and beams. The notation is dense and fills most of the staves. There are some decorative flourishes at the beginning of the first staff. The page is otherwise blank, with the spiral binding visible at the top.

Harmonice Musices Odhecaton;

Ottaviano Petrucci ja

kirjapaino, 1501

□ 1550 pyöreät nuotit



□ 1690 nuottien yhdistäminen palkilla

□ 1750 Breitkopf julkaisi Mosaic-
nuottifontin

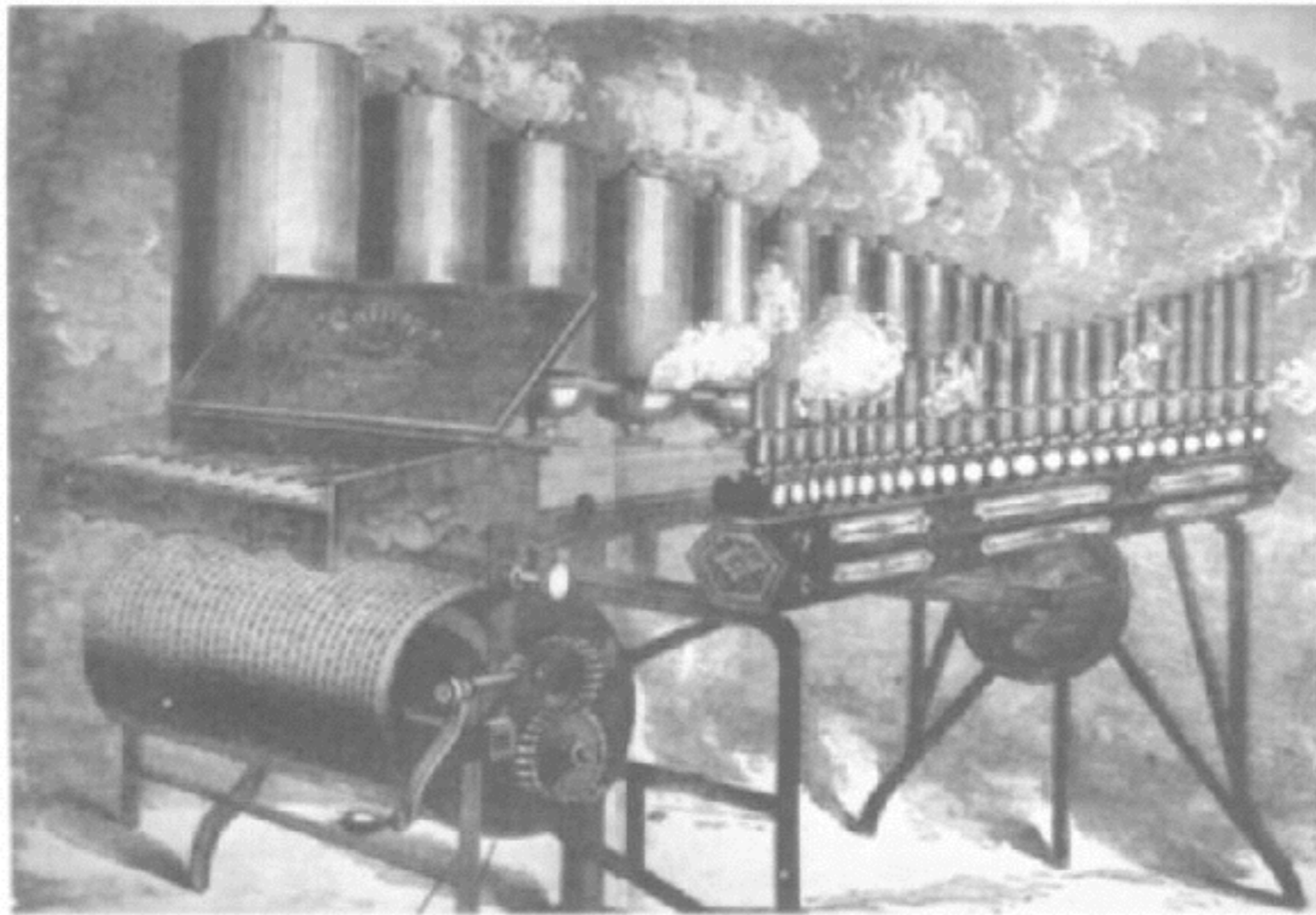
□ *Soittorasía 1810-*

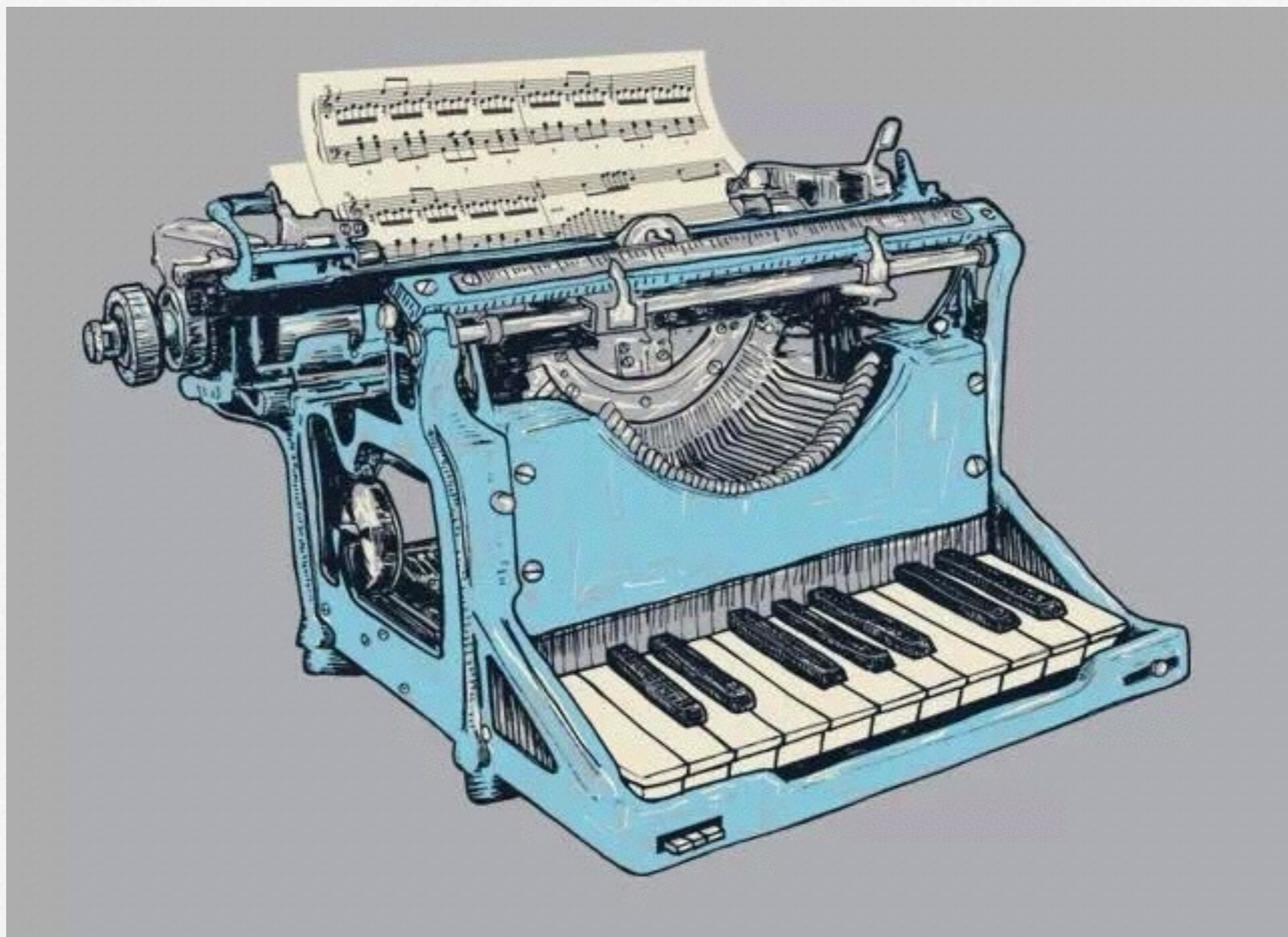


□ Pianola ~1850



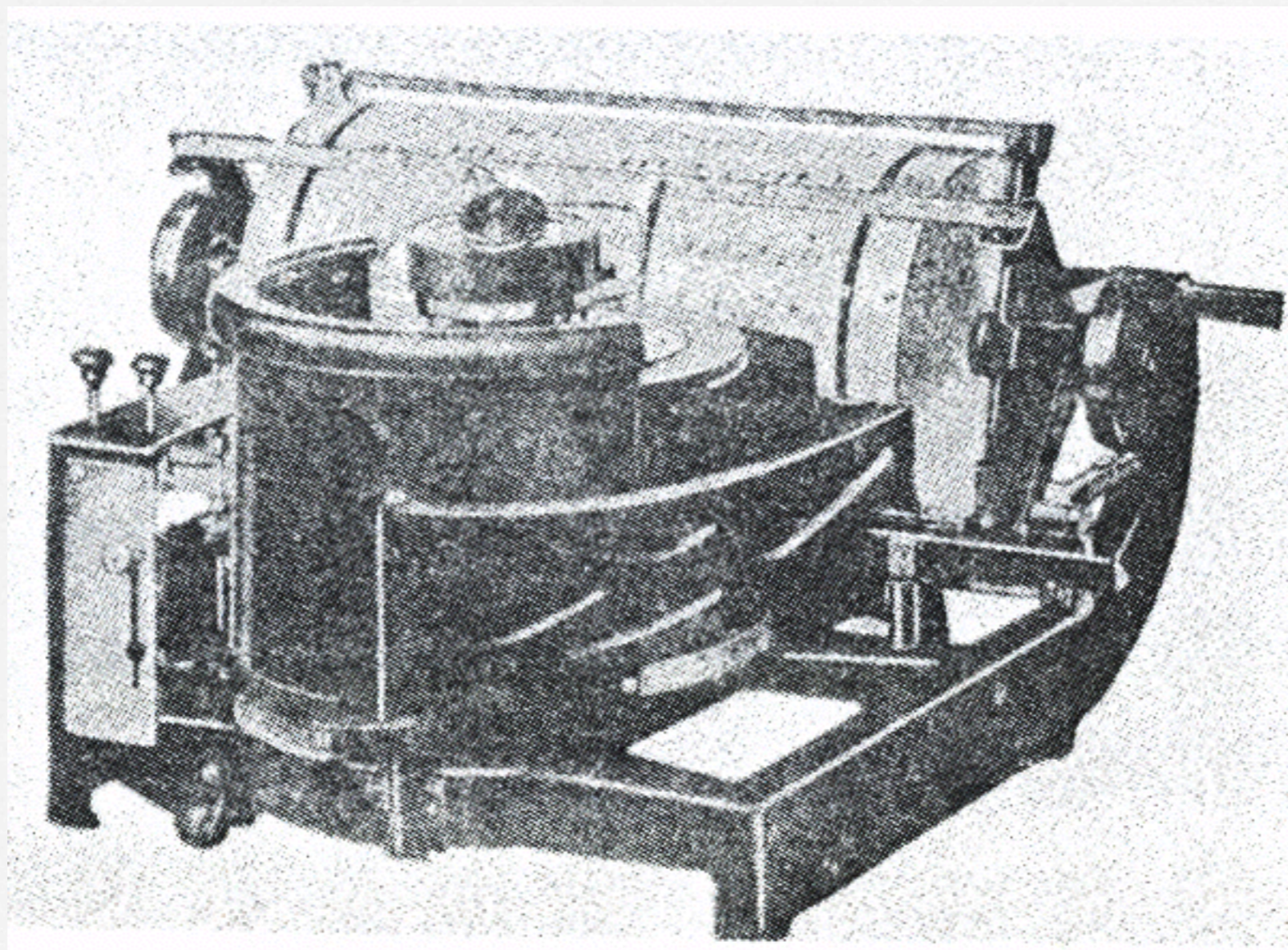
- Höyryurut, joissa oli soittolevy tai -rulla 1890





- Tachígrafo Musicale, Angelo Tessaro, 1889. Ensimmäinen nuottikirjoituskone.

Walton Music Typewriter 1923



Melotype 1937



Keaton Music Typewriter 1953

MUSICWRITER 1954





Nuotinkirjoittaja Maija Ödner pystyy saamaan selvän vaikeimmastakin nykymusiikin käsikirjoituksesta sekä tulkitsemaan sen nuotinkirjoituskoneella painovalmiiksi nuottitekstiksi.

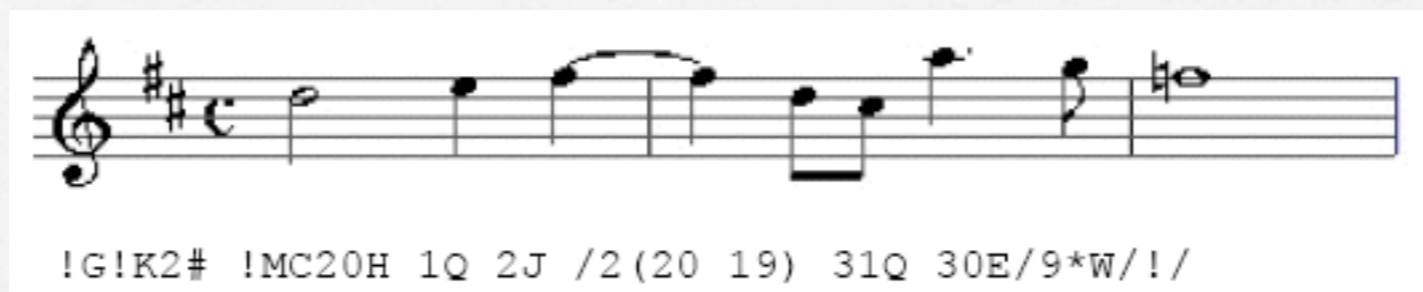


Nuottien piirtämisen ja tekstin kirjoittamisen jälkeen seuraa taittovaihe. Kuvassa Outi Manninen taittamassa tanskankielisen MUSIK FOR OS -oppikirjaan liittyvää säestyskirjaa.

Musicwriter II 1988



- Barry Brook. Notating Music With Ordinary Typewriter Characters: A Plaine and Easie Code System for Music. 1964
- Bauer-Mengelberg, S. Digital Alternate Realization of Musical Symbols. 1964



The image shows a musical staff with a treble clef, a key signature of one sharp (F#), and a common time signature (C). The melody consists of the following notes: G4 (quarter), A4 (quarter), B4 (quarter), C5 (quarter), B4-A4 (beamed eighth notes), G4 (quarter), F#4 (quarter), and E4 (half). Below the staff is a line of digital code: !G!K2# !MC20H 1Q 2J /2 (20 19) 31Q 30E/9*W/!!

1980-loppu

Personal Composer - [e:\pcmusic\destiny4.pc]

File Edit View Options Text Notes MIDI Window Help 2.4

Destiny
For Violin and Guitar
Dennis James, 1985

$\text{♩} = 160$

1 2 3 4 5 6 7 8

1 2 3 4

8 10 12

[Voice 1] Volume=64 [staff 64 + key velocity 0] Attack=0 Release=0 Tick=2560 Len=512

2000-

- Nuottijulkaisu Internetiin (Sibelius Scorch)
- Audion tunnistus - MIDI:n kautta -
nuoteiksi (Melodyne)
- MusicXML, rakenteinen kuvaus
nuottisivusta

MUSICXML tiedoston siirto Finaalesta Sibeliuskseen

I'm Seventeen Come Sunday

Traditional

Con spirito *mf*

Voice

As I walk'd out one May morn - ing, One
How old are you, my fair, pret - ty maid, How
If you'll come to my mam - my's house, When the

Piano

f Play three times *mf*

I'm Seventeen Come Sunday

Traditional

Con spirito *mf*

Voice

As I walk'd out one May morn - ing, One
How old are you, my fair, pret - ty maid, How
If you'll come to my mam - my's house, When the

Piano (a)

f Play three times *mf*