Sounds, signs, words: the Michela system and the production of the parliamentary reports at the Senate

Cavolona Sonografica.

aercoudxvc

The birth of parliamentary reporting in Italy

- In the Subalpine Parliament the reporting office was organized by Cavour (Turin 1848-1861)
- Pen shorthand writing was used
- Then also at the Senate of the Italian Kingdom
 - (Turin 1861-1865; Florence 1865-1871; Rome 1871-1946)
- From 1880 the Michela stenotyping system has been introduced at the Senate for verbatim reports
- From 1882 summary report has been introduced, too







Garibaldi's letter

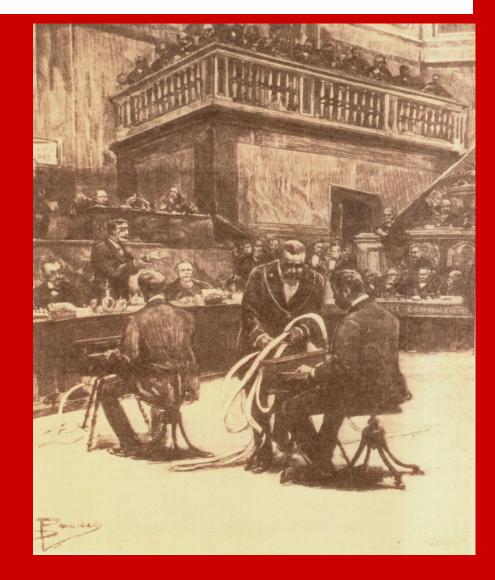
Capter 16 Decembere 1813 baro chiavenulo Grazie per la gentile vortra del 6. Desidero che L'uttilisima segperta Dell'Austre profie estichella sia messo in egsera Northo 6 haribaldi

The reporting instrument at the Senate from 1880: The Michela keyboard

The ancient model, set on a wood tripod, was used for over a century.

It could be easily moved and produced a stripe of paper with symbols.





The Michela keyboard as a witness of history: The Floor of the House during the Italian Kingdom (1871-1946)



The Senate as a High court of Justice in 1908



The position of the reporters

During Mussolini dicatorship in 1929: the Lateran Pact

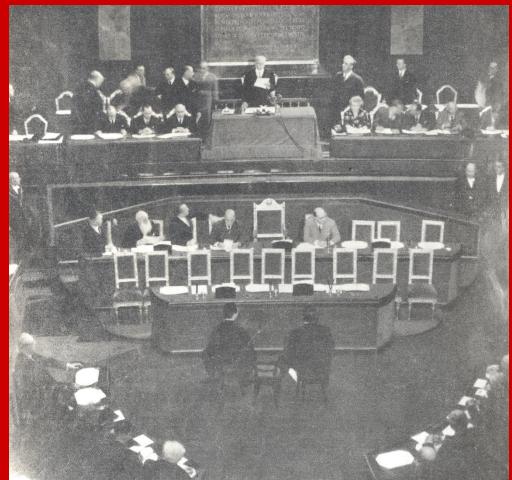


The shift turns

The proclamation of the empire in 1936



Inauguration speech of the President of the Senate Bonomi may 8th, 1948



Tambroni Government in 1960



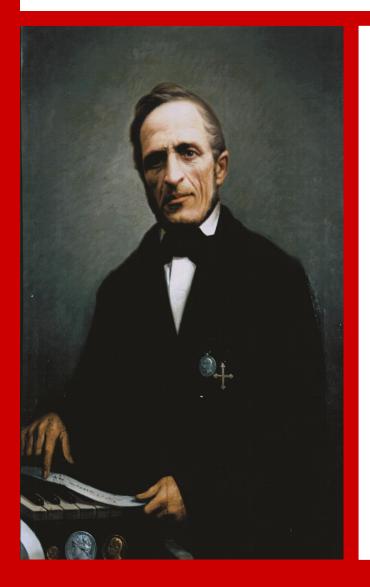
The Nineties: the Vergoni mechanical keyboard



In the 4th Committee



The inventor of the Michela keyboard: Antonio Michela Zucco (1815 – 1886)



A school TEACHER keen on drawing, music and anatomy he studied the human vocal apparatus and classified all the sounds that it could produce

Searching a UNIVERSAL ALPHABET to make all men brothers and sisters (like IPA)

He invented:

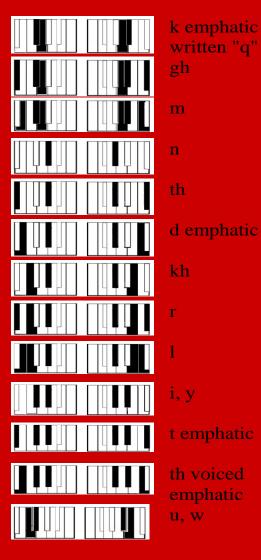
- A PEN PHONETIC WRITING SYSTEM

- A MACHINE PHONETIC WRITING SYSTEM

That were both universal (to write and reread, even after a long time and without knowing them, all the languages of the world)

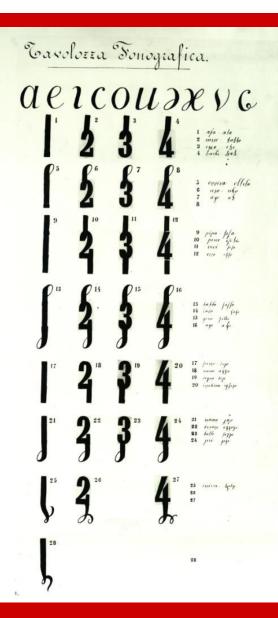
The recent adaptation for arabic language

	f	ف
	S	س
	sh	ش
	h	٥
	h emphatic	7
	s emphatic	ص
	j	5
	Z	ز
		ع
	t	ت
	th voiced	ذ
	k	ای
	Ъ	<u>ب</u>
	d	د



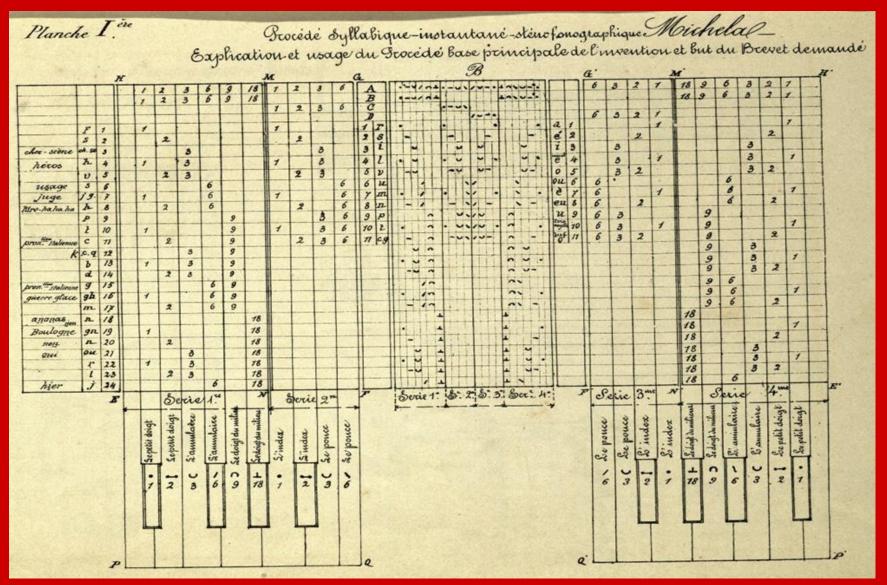
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SOUNDS, SIGNS, WORDS: The phonographic palette

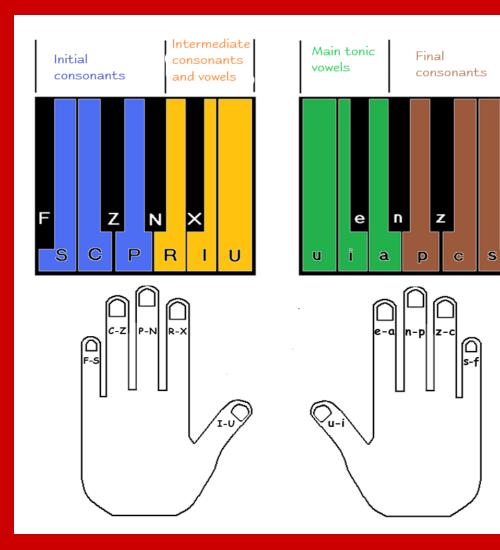


Elements of the articulations		Organs that generate the articulations					
		LIPS	TONGUE				
		(Bilabial/labiodental)	FRONT (Alveolar)	CENTRAL (Postalveolar)	BACK (Velar)		
BLOW (Fricative)	PURE (Voiceless)	1 - F [f] Voiceless labiodental fricative	2- S [s] Voiceless labiodental fricative	3- Sc [ʃ] Voiceless postalveolar fricative	4- H [x] Voiceless velar fricative		
	MIXED (Voiced)	5 - V [v] Voiced labiodental fricative	6 - s [z] Voiced labiodental fricative	7 - Ge [3] Voiced postalveolar fricative	8 - H [ɣ] Voiced velar fricative		
MODIFICATION (Plosive / affricate)	HARD (Voiceless)	9 - P [p] Voiceless bilabial plosive	10 - T [t] Voiceless dental plosive	11 - C [ʧ] Voiceless postalveolar affricate	12 - CK [k] Voiceless velar plosive		
	SOFT (Voiced)	13 - B [b] Voiced bilabial plosive	14 - D [d] Voiced dental plosive	15 - G [ʤ] Voiced postalveolar affricate	16 - G [g] Voiced velar plosive		
VOICE	NASAL	17 - M [m] Bilabial nasal	18 - N [n] Labiodental nasal	19 - Gn [ɲ] Palatal nasal	20 - n [ŋ] Velar nasal		
	ORAL (Semiconsonant, approximant, liquid)	21 - U [u] / [w] Back close vowel / Velar semiconsonant	22 - R [r] Liquid labiodental trill	23 - L [l] Liquid lateral alveolar approximant	24 j [j] Central close vowel / Palatal semiconson ant		
		25 (tedesco) ch [χ] Voiceless uvular fricative	26 (inglese) th [θ] / [ð] Voiceless / Voiced dental fricative				

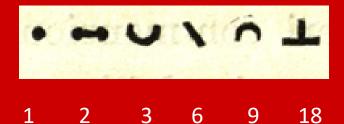
The correspondence between phonemes, numbers, symbols and keys on the keyboard



The distribution of the sounds on the keyboard: The Michela writing system is phonetic and syllabic



The parts of the syllables and the position of the hands



The original symbols and the numbers

The internal mechanics of the Michela keyboard



The silver medal at the 1878 Paris Universal EXPO



- The Michela system has been originally conceived as a help for visually impaired
- The paper stripe was punched in relief
- Today we adapted it to Braille alphabet

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The volution of the keyboard, from the mechanical, to the electric, electronic and digital version



Nowadays: digital stenotyping and the real time text, the perfect interaction bewtween man and machine



The on line publication timing of the real time drafts, during the session itself in 30 minutes (from 2001)



The need to be fast in catching up whatever they say and whatever they do

The forced alignment



Home

Cerca nell'indice

Senato della Repubblica

Senato v



Assemblea	Commissioni		Altri vio	leo	
8		Resoconto	OdG	Comunicato di seduta	
				Sincronizza con vid	leo
^	The second se	Legislatura 18ª - Aula - Resoconto stenografico della seduta n. 129 del 03/07/2019			
7		AUGUSSORI (L-	SP-PSd'Az	z). Domando di parlare.	

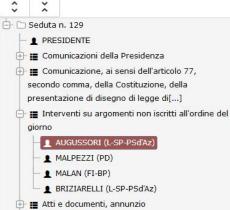
00:19:34

00:06:53

PRESIDENTE. Ne ha facoltà.

AUGUSSORI (L-SP-PSd'Az). Signor Presidente, colleghe senatrici e colleghi senatori, nella giornata di ieri abbiamo appreso sgomenti dell'inchiesta Fake ONLUS portata a termine dalla Guardia di finanza di Lodi, cui va il mio plauso, su mandato della procura della Repubblica di Milano, che si è conclusa con l'arresto di 11 persone.

È stato scoperchiato il vaso di Pandora del business della gestione dei migranti richiedenti asilo e sono emersi particolari che mai avremmo potuto immaginare. Quattro associazioni ONLUS, che voglio citare affinché i lori nomi restino scolpiti a futura memoria negli atti di quest'Assemblea: Volontari senza frontiere, Milano solidale, Amici di Madre Teresa e Area Solidale, due delle quali operanti nella mia città, Lodi, sarebbero, in realtà, un'unica grande associazione a delinguere finalizzata alla truffa ai danni dello Stato e all'autoriciclaggio di denaro. Venivano prodotte false documentazioni per poter accedere ai bandi delle prefetture. Venivano dichiarati falsi servizi di integrazione, consulenze di psicologi e avvocati, in realtà mai avvenuti e - cosa ancor più grave sarebbero emersi legami diretti con la 'ndrangheta al fine di fornire copertura e ospitalità ad affiliati e pregiudicati.



Ordine del giorno per la seduta di martedi 9 luglio 2019

00:03:16

giorno

00:02:59

AUGUSSORI (L-SP-PSd'Az)

Interventi su argomenti non iscritti all'ordine del

00:03:02

Condividi video dibattito

The organization of the workflow

- The TRANSCRIPT in the plenary (5 minutes)
- The EDITING phase (30 minutes):

Passage from words to text, queries of names and legislative provisions, describing physical events (physiology, in italics and round brackets), inputting formulaic phrases of procedural steps and of tags (hypertext marks)

- The first CORRECTION level (by revisors, who spend 40 minutes in the plenary) and then final revision (harmonization with annexes + indexing)
- Final ON LINE PUBLICATION before the following day and ARCHIVING in the databases

The staff

- 28 people: 15 stenotypists and 13 reporters (for both Plenary and Committees)
- Transcript + editing in the plenary (9-12)
- Plenary revisors (4) Commitee revisors (2)
- Final harmonization in Plenary (1)
- On line Publication of Plenary (2)
- Annex to the Plenary session (2)
- Plenary Session Communiqué (1)

Accessibility of the Michela writing system:

 Youtube tutorials to adapt a music keyboard as a Michela keyboard



THE MICHELA STENOTYPE SYSTEM CHANNEL

Michela stenotyping system theory and dictionaries available on line for free: https://github.com/benoit-pierre/plover_michela

Open source free softweare Plover



Test and occasional Michela workshops for students and schools at the Senate Library:

Disability

- Digital stenotyping and real time close captioning for hearing-impaired
- Michela system with Braille alphabet and vocalizer for visually impaired (International Braille day)



To play a Michela keyboard like a piano:

- The italian-australian artist Angelica Mesiti
- presented her project «Assembly» during the 2019 Venezia Blennale
- Where we wrote the poem «To be written in another tongue» of the australian David Malouf with a Michela keyboard linked to a music software (like a pianola)
- So we played the text and listened to its music



AN GELICA MESITI AS SEN 3LY

Angelica Mesiti, ASSEMBLY, 2019 (production still) three-channel video installation in architectural amphitheater. HD video projections, colour, sk-channel mono sound, 25 mins, dimensions variable. © Photography: Bornile Elliott. Commissioned by the Australia Council for the Arts on the occasion of the 58th International Art Exhibition–La Biennale di Venezia, courtesy of the artist and Anna Schwartz Gallery, Australia and Galerie Allen, Paris. "Through both the metaphor of translation and the act itself, I am exploring the very human and increasingly urgent need we have to assemble in a physical way, in a physical space, in these complex times." ANGELICA MESITI





The Venice 2019 Biennale

The old Parliament House in Canberra Museum of Australian Democracy







Latest experimentations: The DIY LEGO Michela machine as a game for passionates and children