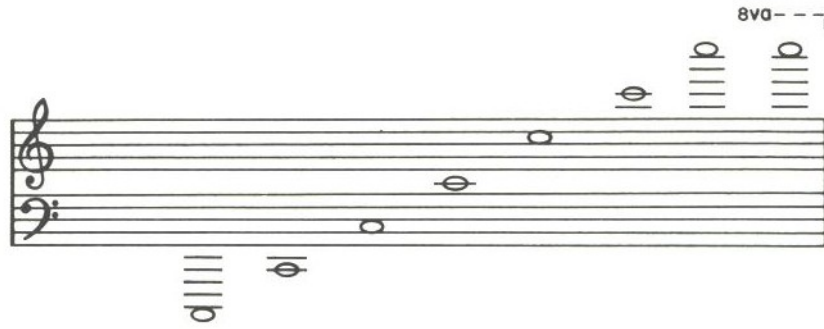


J.) Octave Notation:



U.S.A. STD:	C ₁	C ₂	C ₃	C ₄	C ₅	C ₆	C ₇	C ₈
HELMHOLTZ:	C ₁	C	c	c'	c''	c'''	c''''	c ^v
PIANO:	C ₄	C ₁₆	C ₂₈	C ₄₀	C ₅₂	C ₆₄	C ₇₆	C ₈₈
ORGAN:	CCC	CC	C	c ¹	c ²	c ³	c ⁴	

FIG. 11. The octave notation recommended by the U.S.A. Standards Association, together with some others that have been used.

K.) Playing Ranges of Musical Instruments:

TABLE III
Playing ranges of musical instruments—concert pitch

	LOWER LIMIT	APPROXIMATE UPPER LIMIT
Violin	G ₃	E ₇
Viola	C ₃	C ₆
Violoncello	C ₂	E ₅
Double bass	E ₁	B ₃
Flute	C ₄	C ₇
Oboe	B ₃	F ₆
English horn	E ₃	B ₅
Clarinet (B ₃)	D ₃	B ₆
Bass clarinet (B ₂)	D ₂	F ₅
Bassoon	B ₁	E ₅
Contrabassoon	B ₀	E ₃
Horn (double, F and B ₃)	B ₁	F ₅
Trumpet (B ₃)	E ₃	B ₅
Trombone (tenor)	E ₂	B ₄
Trombone (bass)	B ₁	B ₄
Timpani (28" and 25")	F ₂	F ₃
Harp	B ₀ (C ₁)	G ₇