

ORCHESTRATION AND INSTRUMENTATION: THE TWENTIETH CENTURY

PART 2: CHART (ROMANTIC & TWENTIETH CENTURY)

INTRODUCTION TO THE CHART

I have set up this chart partially like prior ones, but partially different, also. In regard to the Classification column, I have set it up with the 5 typical orchestral groupings, but added Electronic as a 6th, as music of the 20th century can involve electronic concepts and applications. In regard to the other two columns, I have not just set up one for 20th Century Music, but also for that of the Romantic Era, in order to clearly show the specific differences between these two eras.

Notable differences for the specific instruments:

1. Piccolo
2. Saxophone
3. Cornet
4. Wagner Tubas
5. Percussion instruments
6. Guitars
7. Keyboard instruments, such as keyboards, harpsichord and accordion
8. Electronic instruments

THE CHART

<u>CLASSIFICATION</u>	<u>ROMANTIC</u>	<u>TWENTIETH CENTURY¹</u>
WOODWINDS	1-2 Piccolos 3-4 Flutes 3-4 Oboes, of which some may double on: <ol style="list-style-type: none"> 1. 1 Oboe D'amore 2. 2 Cor Anglais 3. 1 Bass oboe 3-4 Clarinets in B flat or A, of which some may double on: <ol style="list-style-type: none"> 1. 1-2 E Flat clarinet, D clarinet 2. 1-2 Bassett horns 3. 1 Bass clarinet 3-4 Bassoons 1 Contrabassoon	2-4 Flutes (1 doubling piccolo or alto flute) 2-4 Oboes (1 doubling Cor Anglais or bass oboe) 2-4 B Flat Clarinets (1-2 doubling E flat clarinet, alto clarinet or bass clarinet) 2-4 Bassoons (1 doubling contrabassoon) (1 or more Saxophones of various types)
BRASS	4-8 French horns, German horns, or Vienna horns (rarely natural horns) 3-6 Cornets 3-6 Trumpets in F, and other keys, Inc. C, B flat	4-8 Horns (double horns) in F/B Flat 3-6 Trumpets in B Flat

	<p>3-4 Trombones</p> <p>1-2 Tubas</p> <p>(0-4 Wagner tubas – 2 tenors, 2 bass, usually doubled by horn players)</p>	<p>3-6 Trombones (1-2 Bass trombones)</p> <p>1-2 Tubas</p> <p>(1 or more Baritone horns/Euphoniums)</p> <p>(1 or more Wagner tubas)</p>
PERCUSSIONⁱⁱ	<p>4 or more Timpani (one player)</p> <p>Snare drum</p> <p>Bass drum</p> <p>Cymbals</p> <p>Tam-tam</p> <p>Triangle</p> <p>Tambourine</p> <p>Glockenspiel</p> <p>Xylophone</p> <p>Tubular bells</p>	<p>4-5 Timpani (one player)</p> <p>Snare drum</p> <p>Tenor drum</p> <p>Bass drum</p> <p>Cymbals</p> <p>Tam-tam</p> <p>Triangle</p> <p>Tambourine</p> <p>Glockenspiel</p> <p>Xylophone</p> <p>Tubular bells</p> <p>Wood block</p> <p>Vibraphone</p> <p>Marimba</p> <p>Crotales</p> <p>Mark tree</p> <p>Drum kit (in some works)</p>
STRINGS	<p>16 Violins 1 (sometimes more)</p> <p>14 Violins 2</p> <p>12 Violas</p> <p>12 Cellos</p> <p>10 Double basses</p> <p>2 or more Concert harps</p>	<p>16 1st Violins</p> <p>14 2nd Violins</p> <p>12 Violas</p> <p>10 Cellos</p> <p>8 Double basses</p> <p>1-2 Harps</p> <p>(1 or more Classical guitars of various types)</p>

KEYBOARDS	Piano Celesta	Piano Celesta Pipe organ Harpsichord Accordion Clavichord
ELECTRONIC		Theremin Electric guitar Electric bass Synthesizer Other electronic musical instruments

ⁱ Non-musical instruments, such as a typewriter or reel-to-reel tape player can also be used

ⁱⁱ Other permission instruments, including ethnic or world music instruments specified by composers can also be used in 20th Century music.