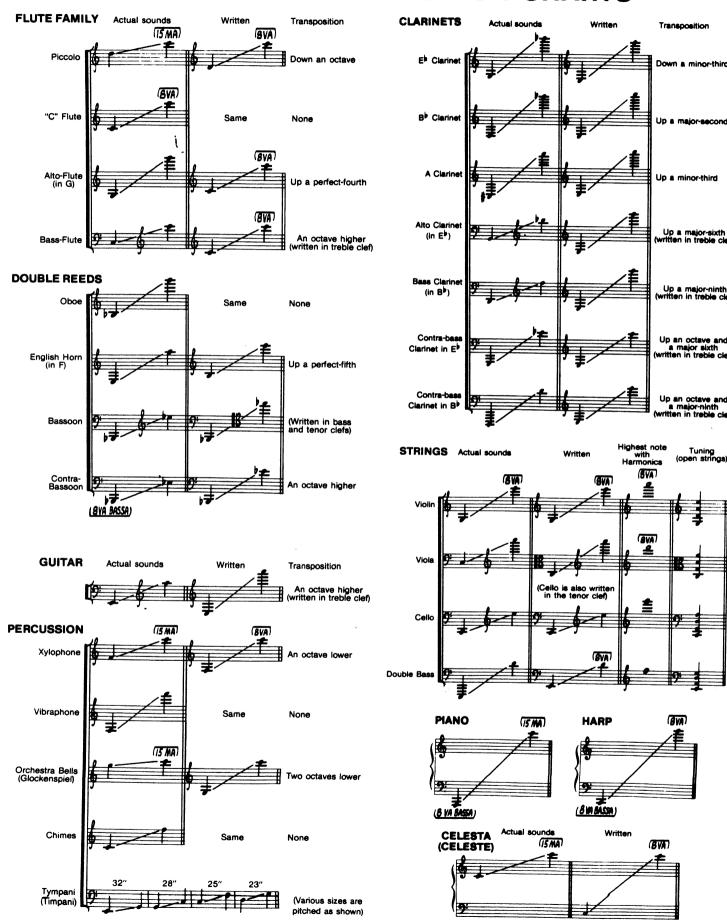
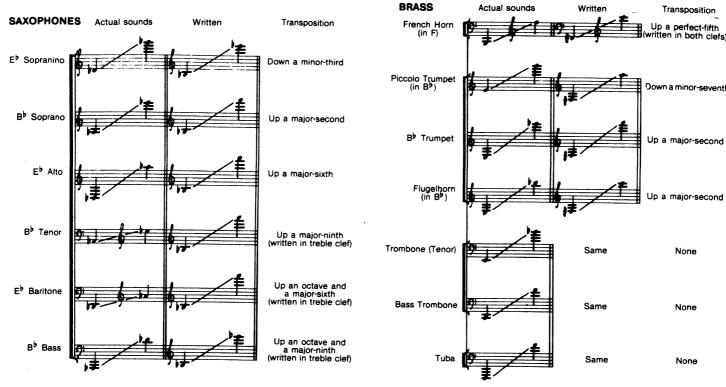
## Chapter 16 RANGE AND TRANSPOSITION CHARTS





The preceding transposition charts show only the optimum ranges for the instruments most frequently encountered. Consideration is not given to the various upward and downward extensions of the following cases:

- 1. The attachment found on some flutes which extend the downward range by a semi-tone.
- 2. Extreme high notes of brass instruments capable of being played by exceptional instrumentalists.
- 3. The pedal tones of the tenor trombone extending chromatically downward from the low B-flat to the low "E". These notes can only be sustained, and in requiring preparation cannot be incorporated into moving passages. The entire compass of pedal tones is not possible by all players.
- 4. The low "B" and chromatic pedal tones from B-flat downward to a "C" are possible on the bass trombone. Again, preparation is required for each individual note, and not all players are capable of playing the entire range of these notes.
- 5. The extension found on some double basses, or the five-string double bass, both capable of playing down to the low "C".
- 6. Provisions for altering the tunings (scordatura) of guitars, violins, violas, cellos and double basses.
- 7. Upward extensions of range on certain woodwinds and saxophones which are accomplished by the use of unorthodox fingerings.
- 8. Saxophones equipped with an additional key which adds an additional semi-tone to the downward range.
- Clarinets and bass clarinets equipped with additional key(s) which extend the downward range.

The copyist should be informed by the arranger of any deviations of normal ranges in his scores. Otherwise, any of the above should be questioned by the copyist. Mistakes often occur in instrumental ranges within scores.

## BASIC TRANSPOSITIONS FOR ALL INSTRUMENTS (Does not account for additional octave transpositions)

Transposition from concert key:		From transposed parts back to concert key:
вЬ	Up a major second	Down a major second
Α	Up a minor third	Down a minor third
G	Up a perfect fourth	Down a perfect fourth
F	Up a perfect fifth	Down a perfect fifth
Ε	Up a minor sixth	Down a minor sixth
Εþ	Up a major sixth	Down a major sixth
D	Down a major second	Up a major second
Бþ	Down a semi-tone	Up a semi-tone