Name_____

Tuba

Foundations for Superior Performance
Warm-Ups and Technique for Band

by Richard Williams and Jeff King

A comprehensive and sequential book of warm-ups, scales, technical patterns, chord studies, tuning exercises, and chorales for concert band.

Designed to organize the daily rehearsal and advance the performance level of the ensemble.

Practical and efficient exercises in all twelve major keys developed in the classroom.

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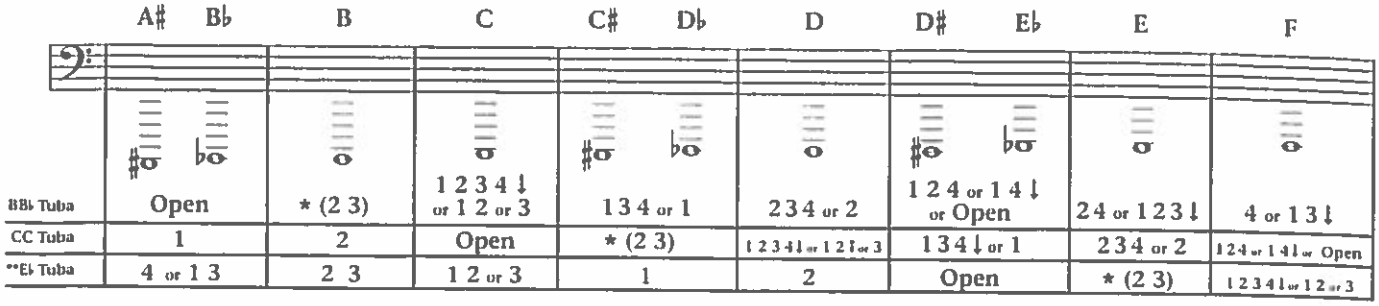
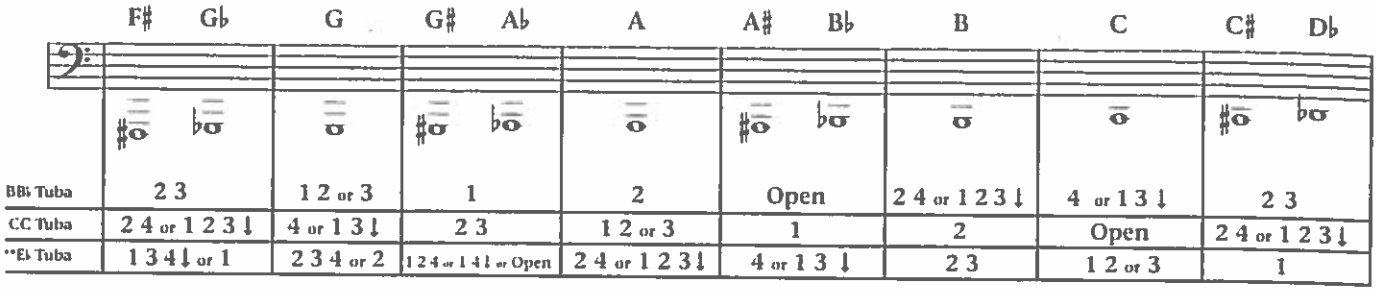
W32B

Tuba Fingering Chart

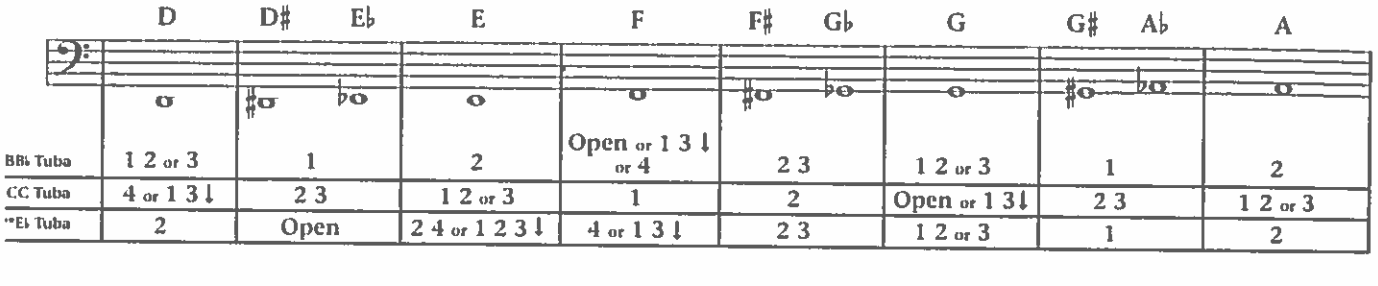
Notes on gray background are pedal tones



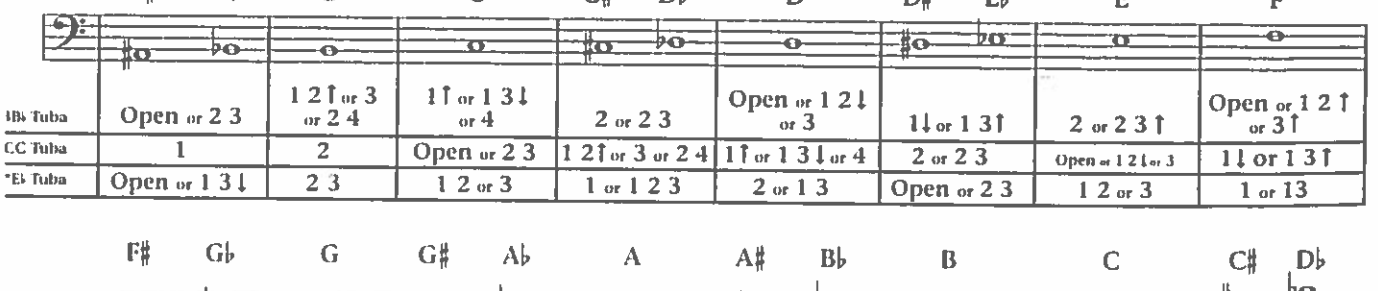
	A♯ B♭	B	C	C♯ D♭	D	D♯ E♭	E	F
B♭ Tuba	Open	* (2 3)	1 2 3 4 ↓ or 1 2 or 3	1 3 4 or 1	2 3 4 or 2	1 2 4 or 1 4 ↓ or Open	2 4 or 1 2 3 ↓	4 or 1 3 ↓
CC Tuba	1	2	Open	* (2 3)	1 2 3 4 ↓ or 1 2 ↓ or 3	1 3 4 ↓ or 1	2 3 4 or 2	1 2 4 or 1 4 ↓ or Open
**E♭ Tuba	4 or 1 3	2 3	1 2 or 3	1	2	Open	* (2 3)	1 2 3 4 ↓ or 1 2 or 3



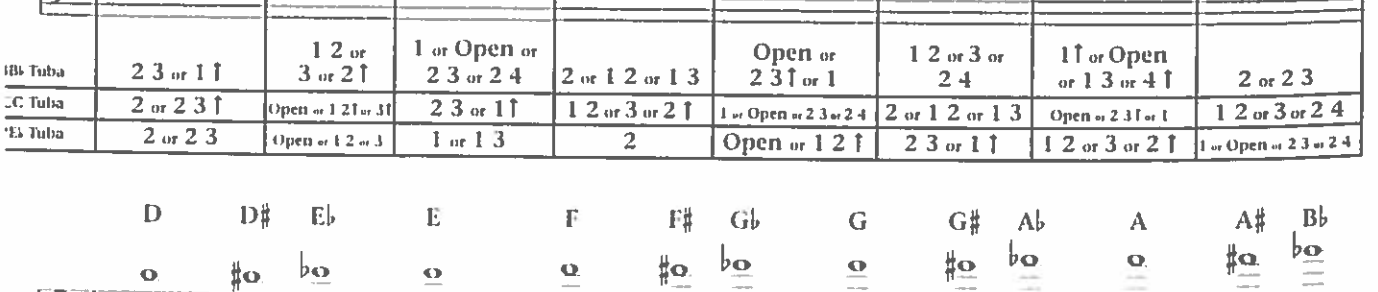
	F♯ G♭	G	G♯ A♭	A	A♯ B♭	B	C	C♯ D♭
B♭ Tuba	2 3	1 2 or 3	1	2	Open	2 4 or 1 2 3 ↓	4 or 1 3 ↓	2 3
CC Tuba	2 4 or 1 2 3 ↓	4 or 1 3 ↓	2 3	1 2 or 3	1	2	Open	2 4 or 1 2 3 ↓
**E♭ Tuba	1 3 4 ↓ or 1	2 3 4 or 2	1 2 4 or 1 4 ↓ or Open	2 4 or 1 2 3 ↓	4 or 1 3 ↓	2 3	1 2 or 3	1



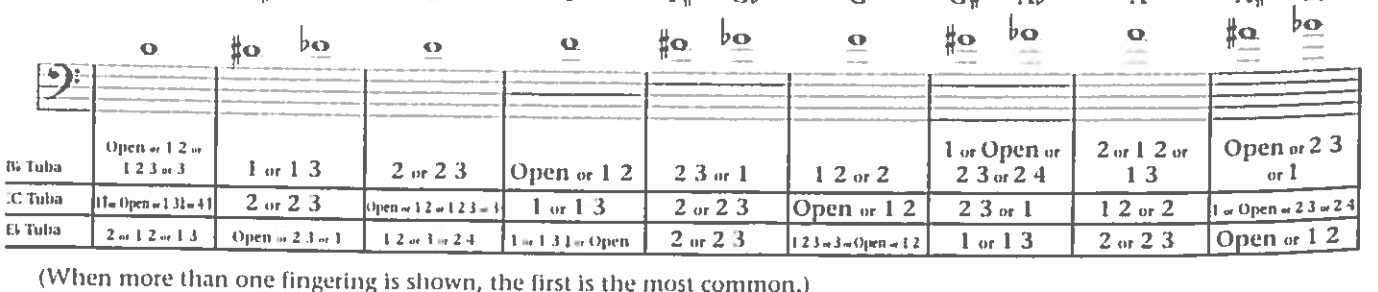
	D	D♯ E♭	E	F	F♯ G♭	G	G♯ A♭	A
B♭ Tuba	1 2 or 3	1	2	Open or 1 3 ↓ or 4	2 3	1 2 or 3	1	2
CC Tuba	4 or 1 3 ↓	2 3	1 2 or 3	1	2	Open or 1 3 ↓	2 3	1 2 or 3
**E♭ Tuba	2	Open	2 4 or 1 2 3 ↓	4 or 1 3 ↓	2 3	1 2 or 3	1	2



	A♯ B♭	B	C	C♯ D♭	D	D♯ E♭	E	F
B♭ Tuba	Open or 2 3	1 2 ↑ or 3 or 2 4	1 ↑ or 1 3 ↓ or 4	2 or 2 3	Open or 1 2 ↓ or 3	1 ↓ or 1 3 ↑	2 or 2 3 ↑	Open or 1 2 ↑ or 3 ↑
CC Tuba	1	2	Open or 2 3	1 2 ↑ or 3 or 2 4	1 ↑ or 1 3 ↓ or 4	2 or 2 3	Open or 1 2 ↓ or 3	1 ↓ or 1 3 ↑
**E♭ Tuba	Open or 1 3 ↓	2 3	1 2 or 3	1 or 1 2 3	2 or 1 3	Open or 2 3	1 2 or 3	1 or 13



	F♯ G♭	G	G♯ A♭	A	A♯ B♭	B	C	C♯ D♭
B♭ Tuba	2 3 or 1 ↑	1 2 or 3 or 2 ↑	1 or Open or 2 3 or 2 4	2 or 1 2 or 1 3	Open or 2 3 ↑ or 1	1 2 or 3 or 2 4	1 ↑ or Open or 1 3 or 4 ↑	2 or 2 3
CC Tuba	2 or 2 3 ↑	Open or 1 2 ↓ or 3 ↑	2 3 or 1 ↑	1 2 or 3 or 2 ↑	1 or Open or 2 3 or 2 4	2 or 1 2 or 1 3	Open or 2 3 ↑ or 1	1 2 or 3 or 2 4
**E♭ Tuba	2 or 2 3	Open or 1 2 or 3	1 or 1 3	2	Open or 1 2 ↑	2 3 or 1 ↑	1 2 or 3 or 2 ↑	1 or Open or 2 3 or 2 4



	D	D♯ E♭	E	F	F♯ G♭	G	G♯ A♭	A	A♯ B♭
B♭ Tuba	Open or 1 2 or 1 2 3 or 3	1 or 1 3	2 or 2 3	Open or 1 2	2 3 or 1	1 2 or 2	1 or Open or 2 3 or 2 4	2 or 1 2 or 1 3	Open or 2 3 or 1
CC Tuba	1 ↓ or Open or 1 3 ↓ or 4 ↑	2 or 2 3	Open or 1 2 or 1 2 3 or 3	1 or 1 3	2 or 2 3	Open or 1 2	2 3 or 1	1 2 or 2	1 or Open or 2 3 or 2 4
**E♭ Tuba	2 or 1 2 or 1 3	Open or 2 3 or 1	1 2 or 3 or 2 4	1 or 1 3 ↓ or Open	2 or 2 3	1 2 3 or 3 or Open or 1 2	1 or 1 3	2 or 2 3	Open or 1 2

(When more than one fingering is shown, the first is the most common.)

*Not readily playable on 4 valve Tuba. **Non Compensating. ↓ = Lower pitch ↑ = Raise pitch

V32BS Musical instruments on the cover provided courtesy of the G. Leblanc Corporation, Kenosha, Wisconsin, U.S.A.

Articulations: A Study in Styles

Four connected quarter-notes (tenuto). The sound of one note "touches" the next note.

Four quarter-notes in "lifted" style. The attack is the same as tenuto, but the end of the note is tapered.

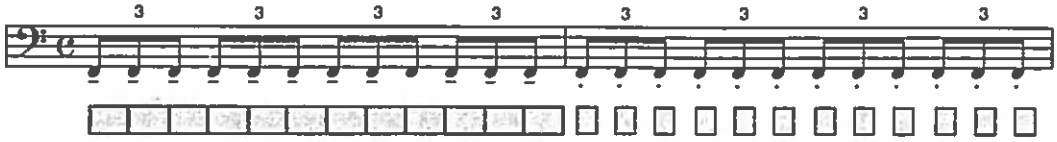
Four quarter-notes "lifted and short" (staccato). Separated and detached (half full value).

Eighth-notes in connected style.

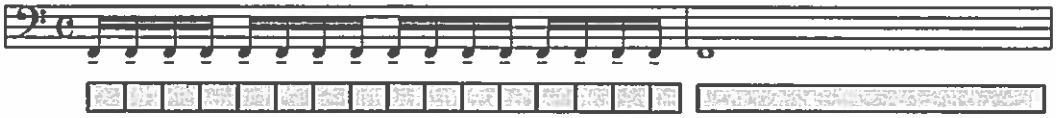
Eighth-notes in lifted and short style.

Eighth-note triplets in connected style.

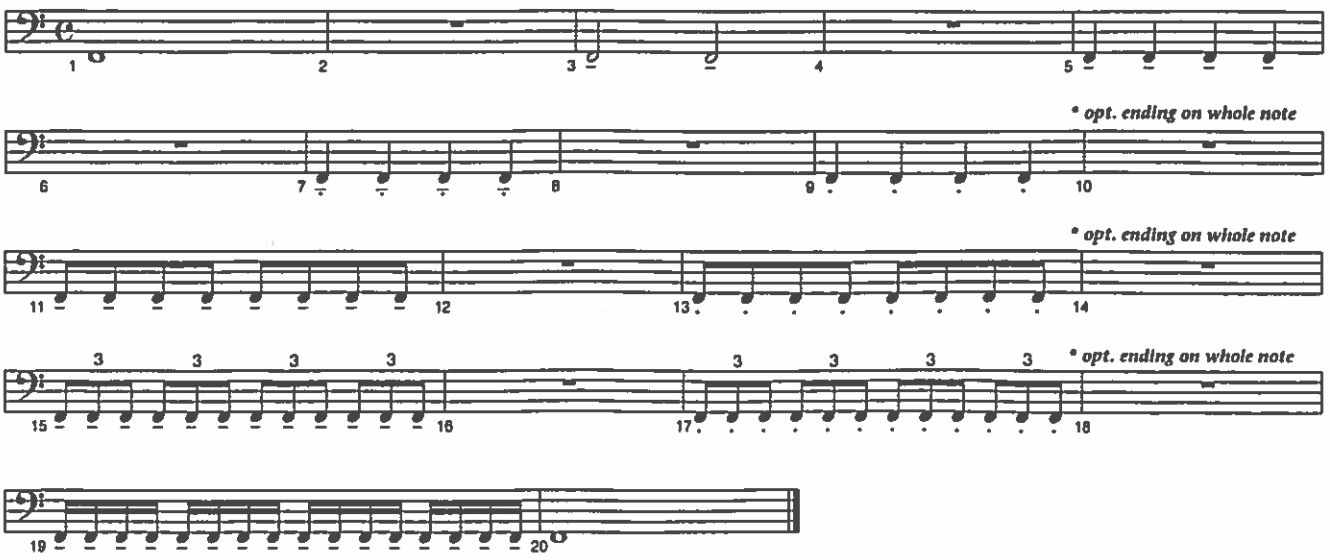
Eighth-note triplets in a detached style (bounced).



Sixteenth-notes in a connected style.



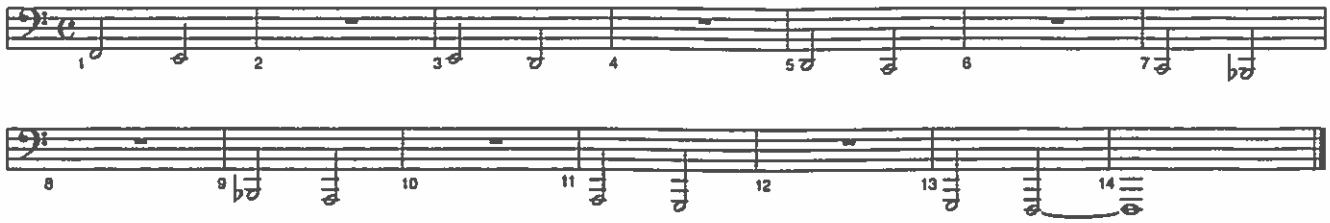
Articulation Exercise on Concert F



Long Tones

Concert F Descending

1



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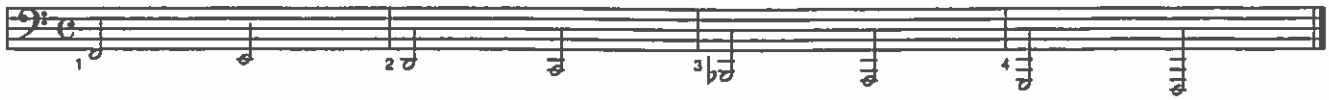
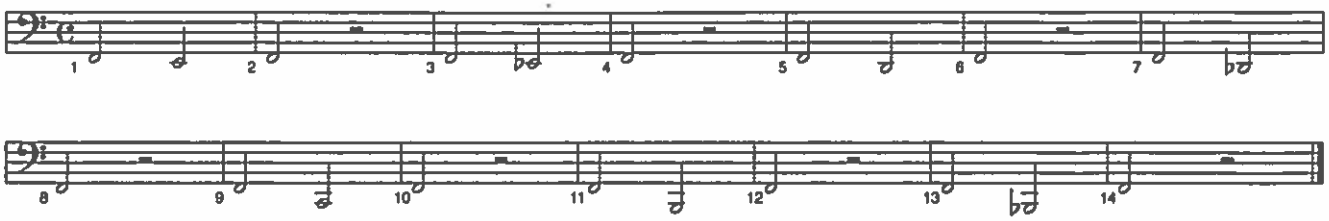
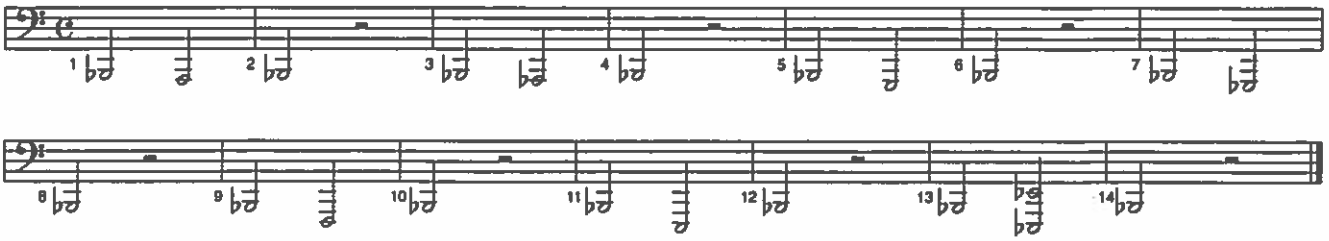


Long Tone 1

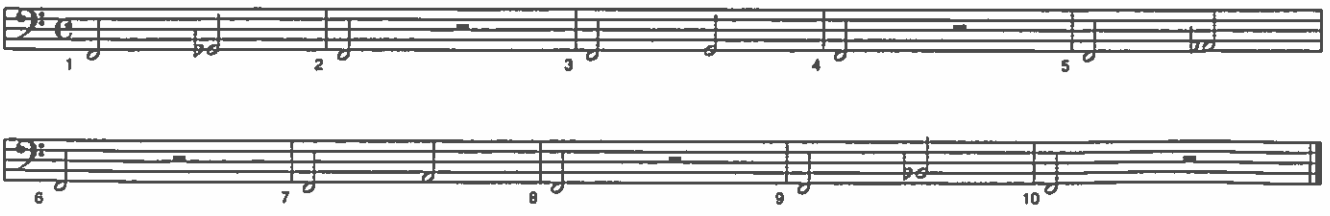
1a



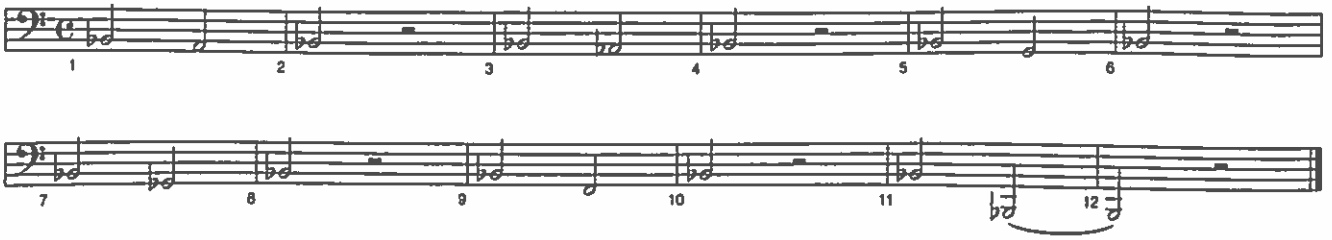
1b



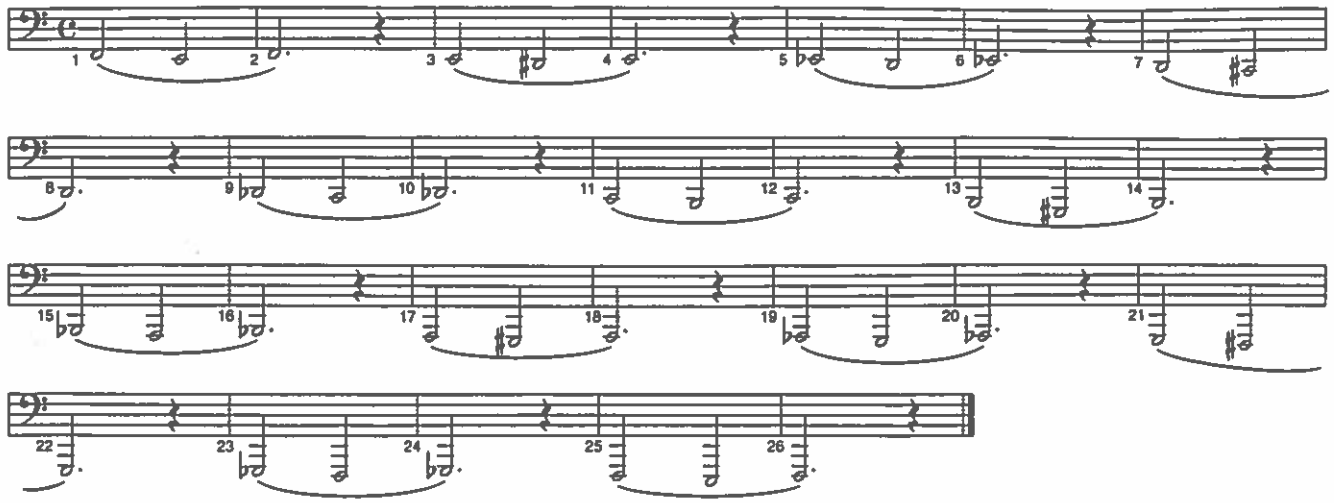
1c



1d



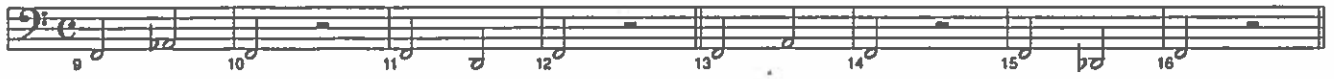
Long Tone 2



Long Tone 3

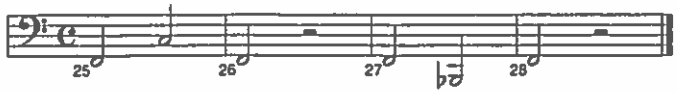
3a *Intervals of a minor 2nd* — *Intervals of a major 2nd*

Intervals of a minor 3rd — *Intervals of a major 3rd*

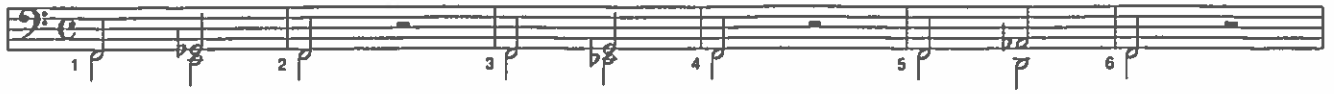


Intervals of a perfect 4th — *Intervals of an augmented 4th*

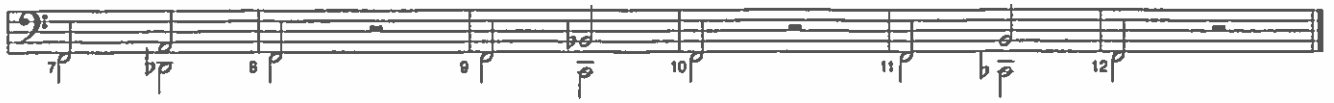
Intervals of a perfect 5th



3b *Intervals of a minor 2nd* — *Intervals of a major 2nd* — *Intervals of a minor 3rd*

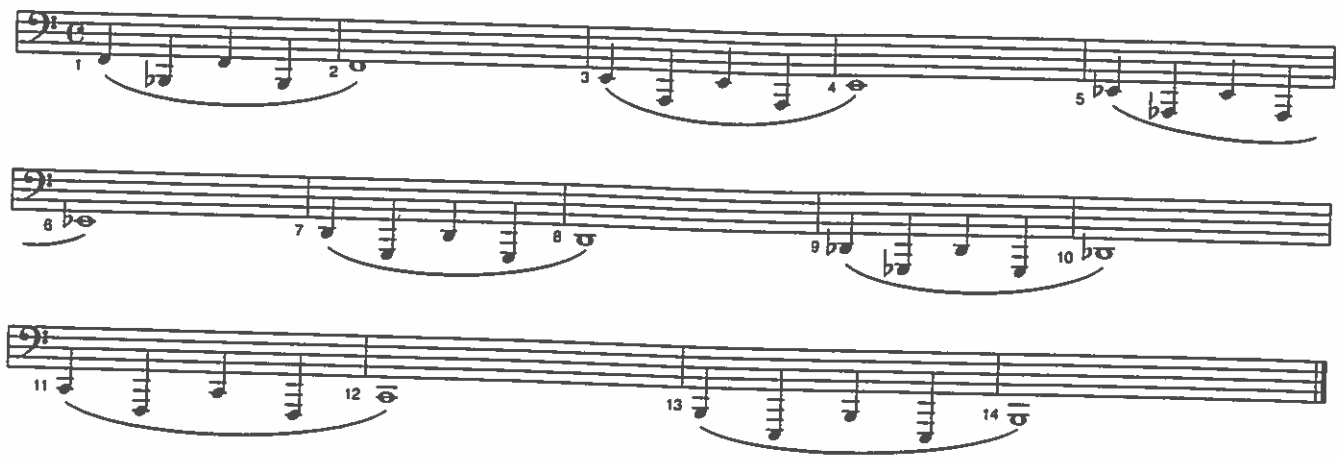


Intervals of a major 3rd — *Intervals of a perfect 4th* — *Intervals of an augmented 4th*

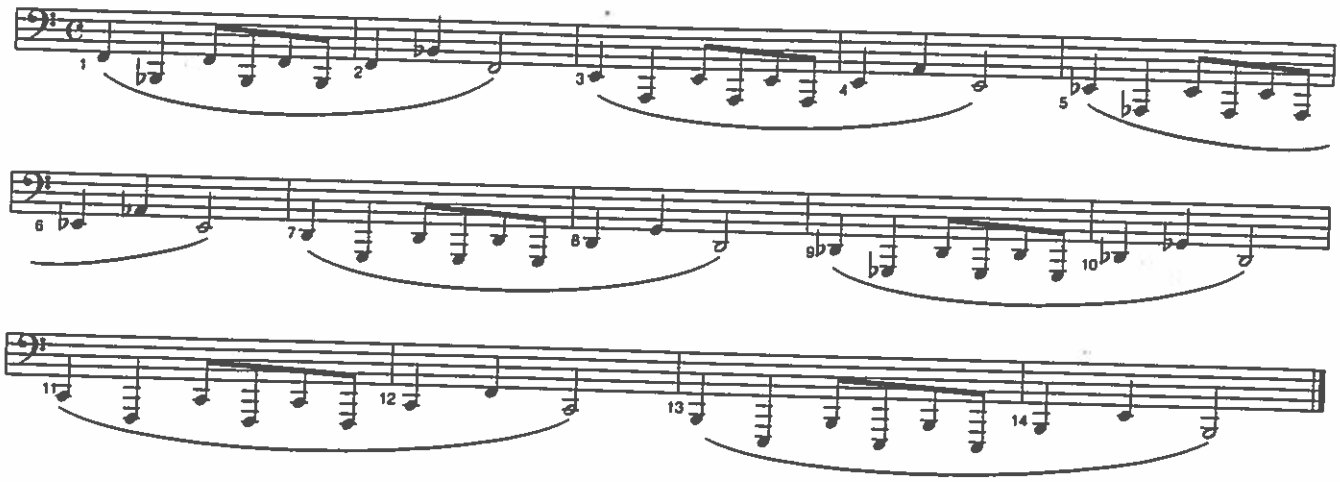


Warm-Up Set 1

Options 1, 2, & 3



Option 4



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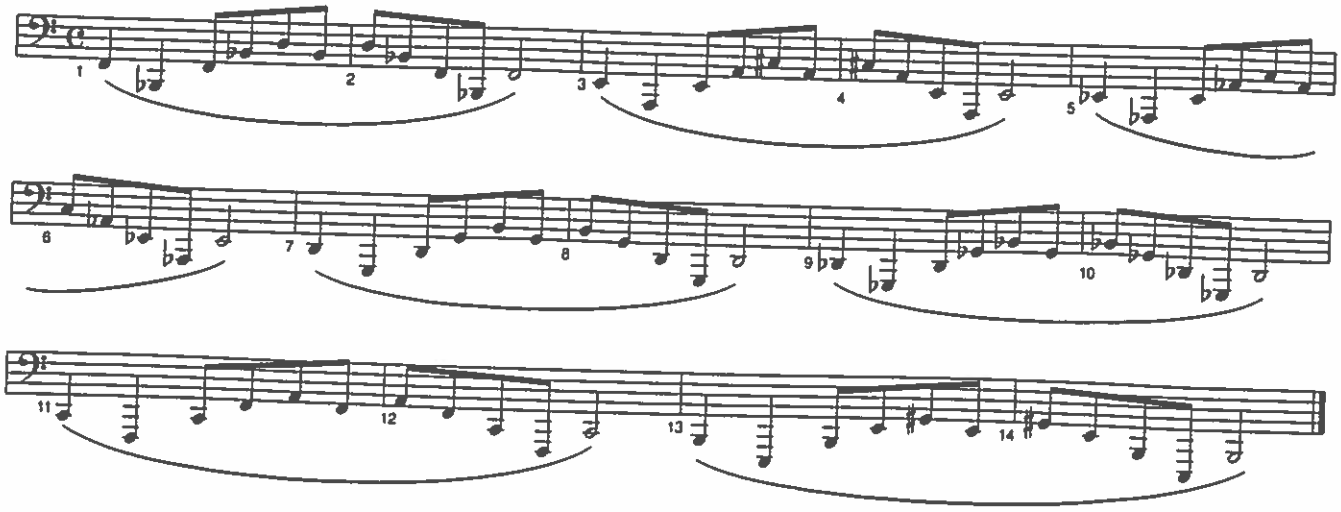
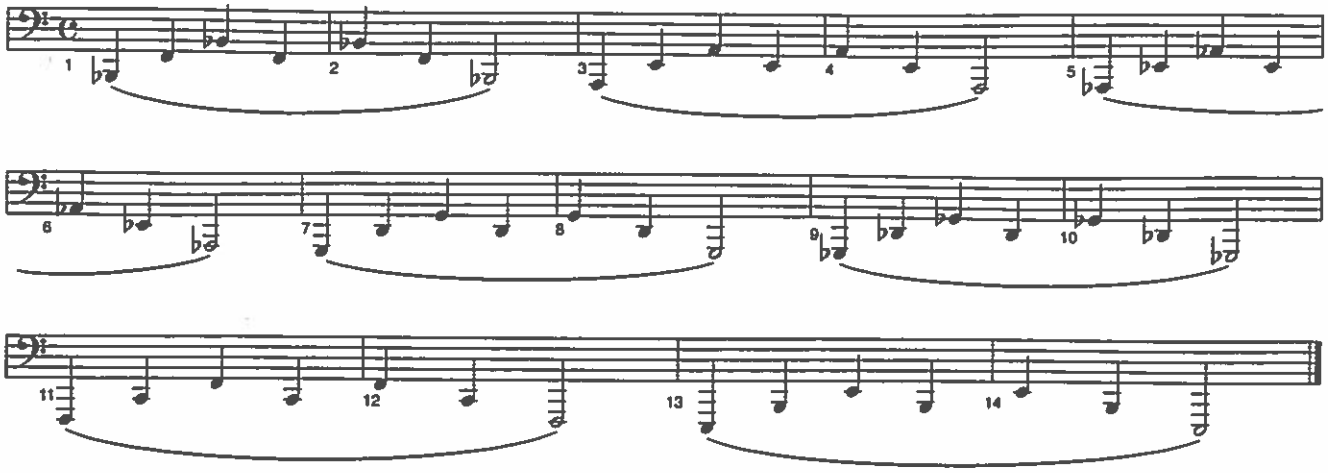


Warm-Up Set 2

Options 1, 2, & 3



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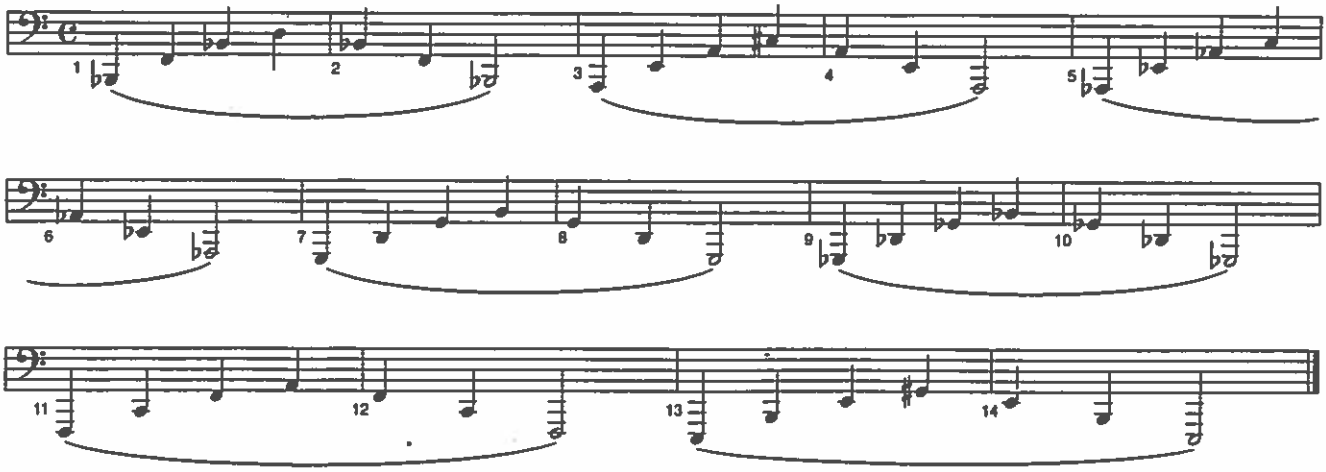

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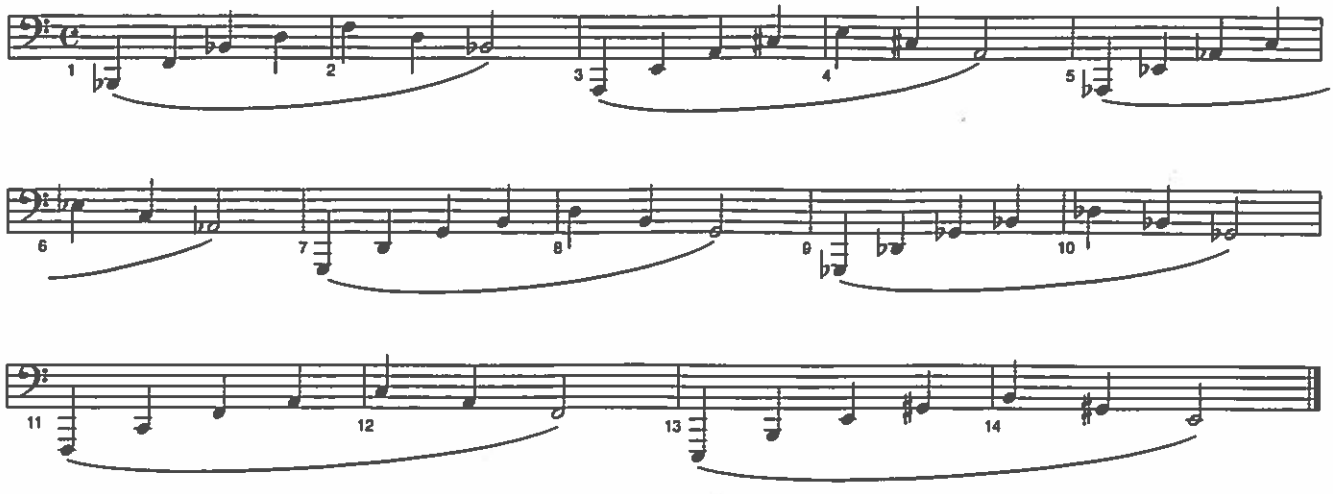
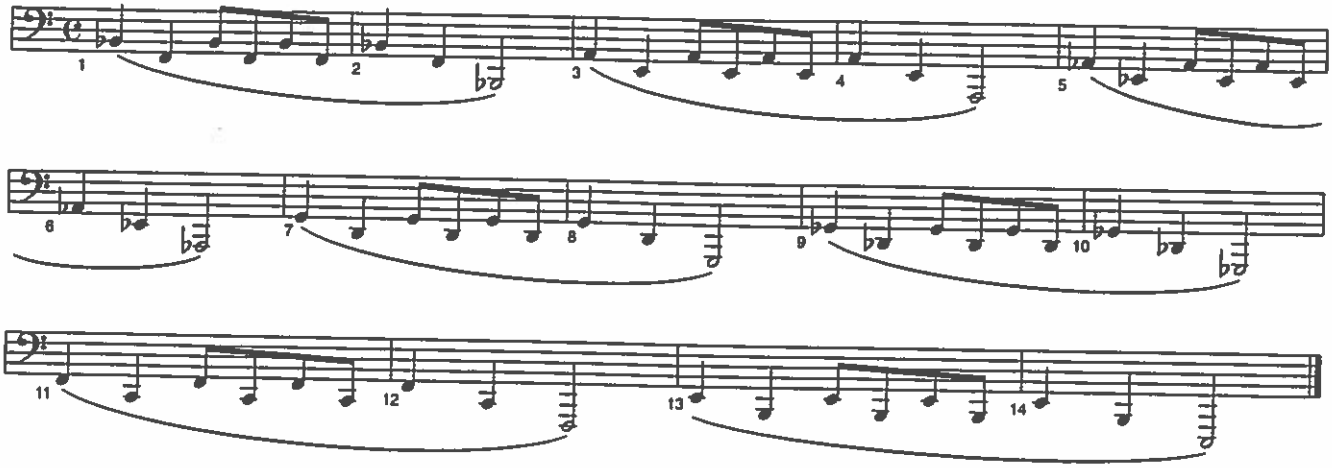


Warm-Up Set 3

Options 1, 2, & 3



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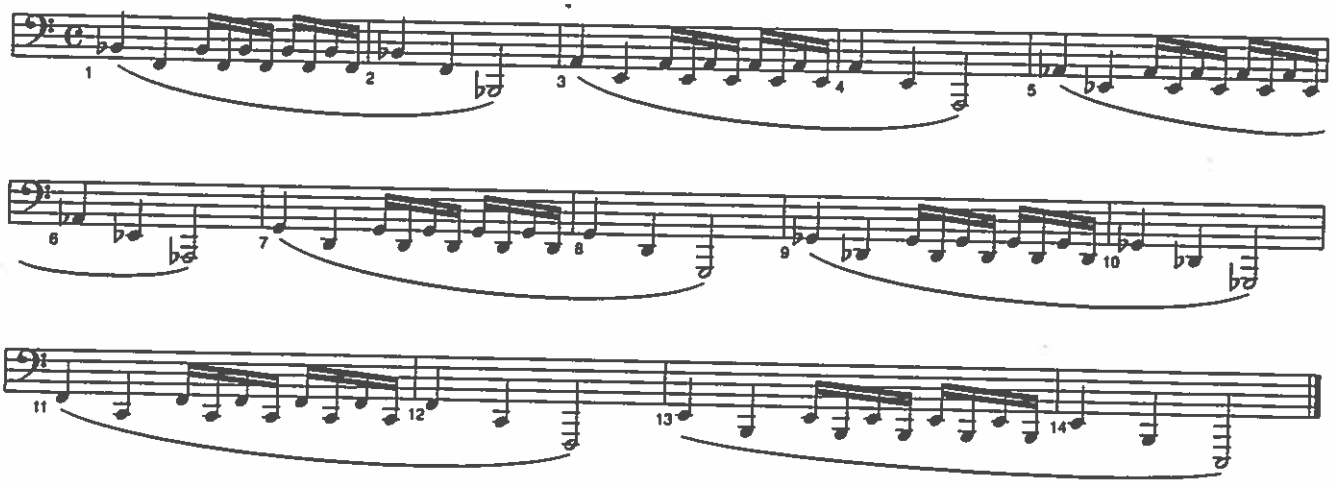
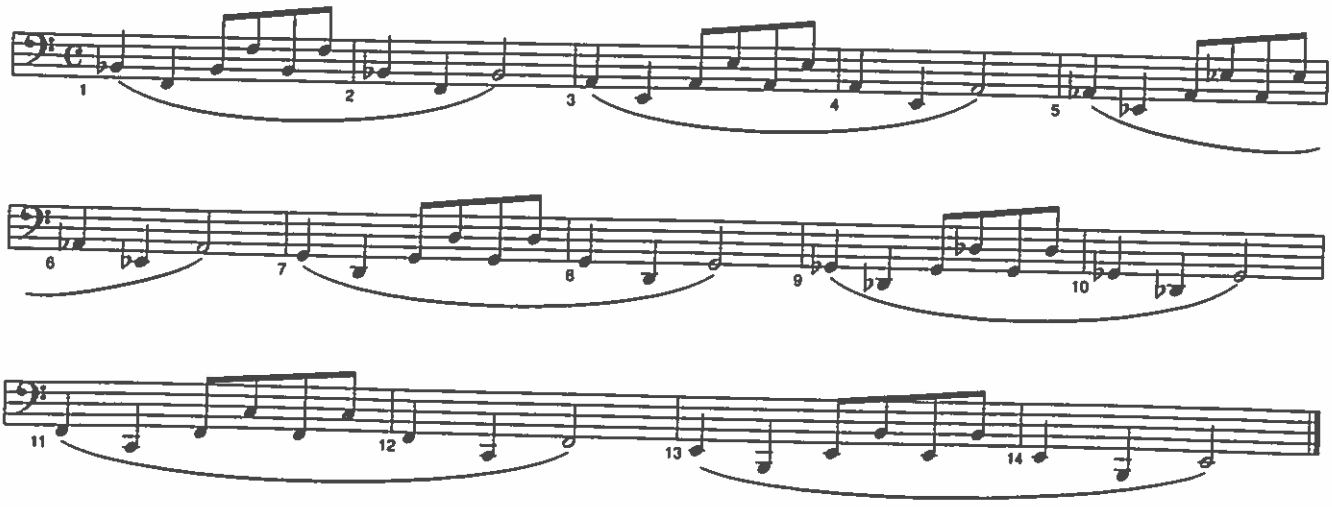
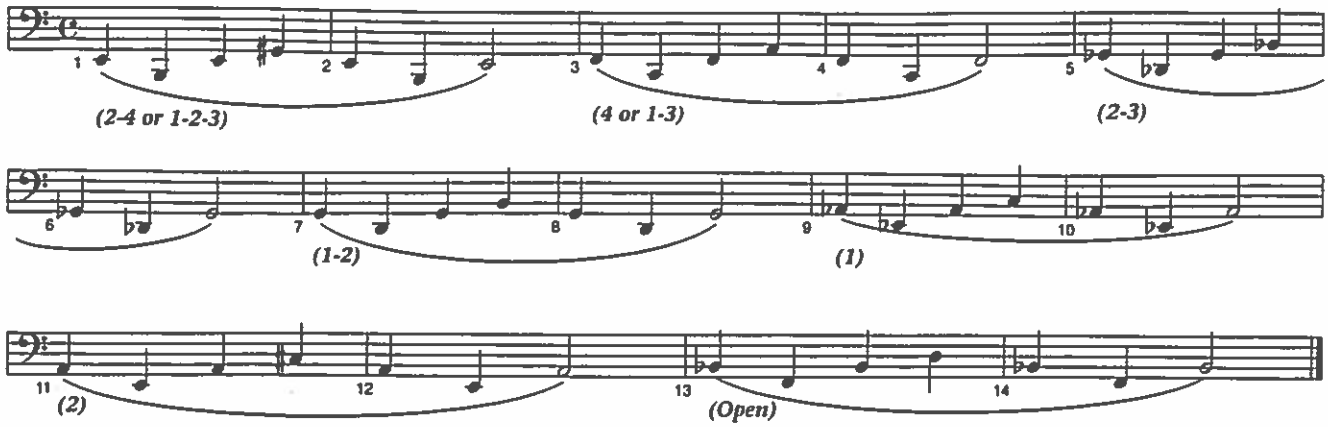


Option 5

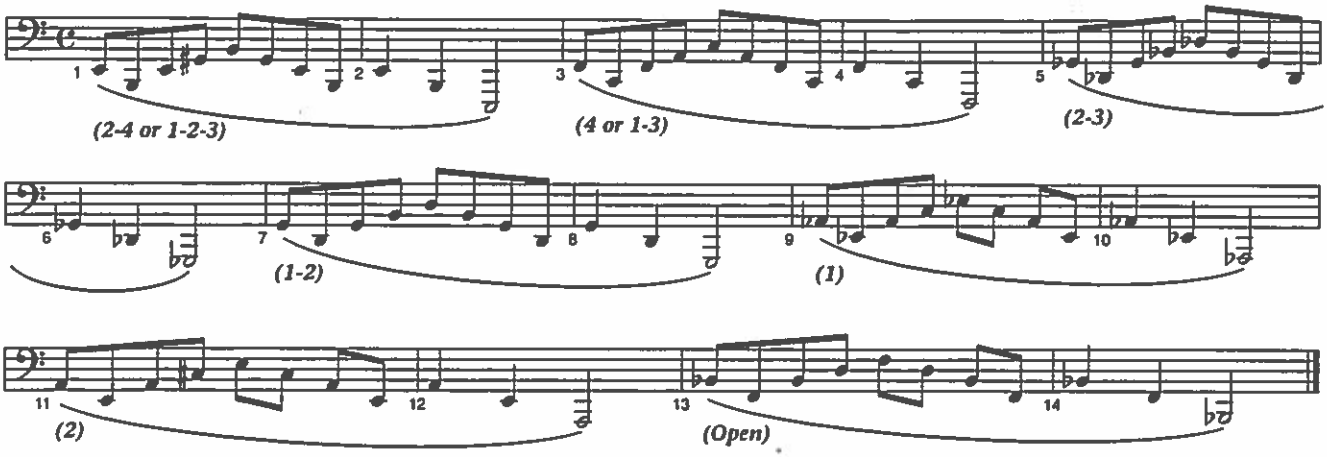


Warm-Up Set 4

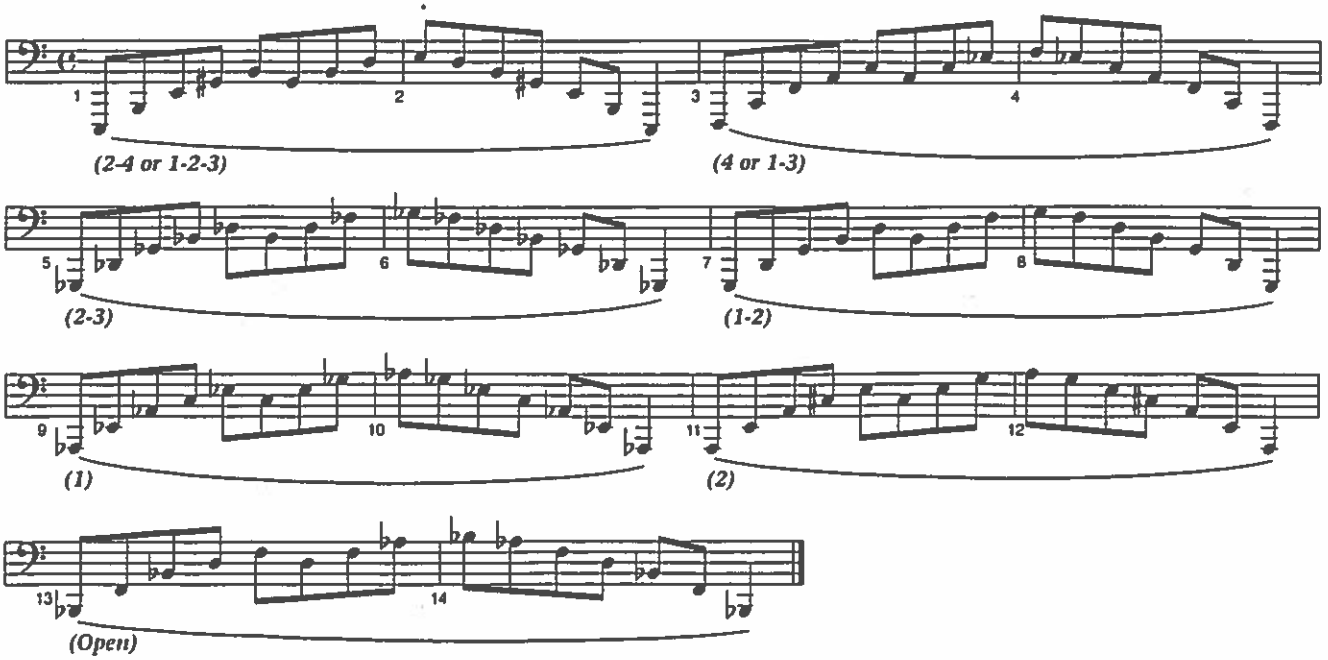
Options 1, 2, & 3 - *fingerings indicated in parenthesis*



Option 4 - *fingerings indicated in parenthesis*

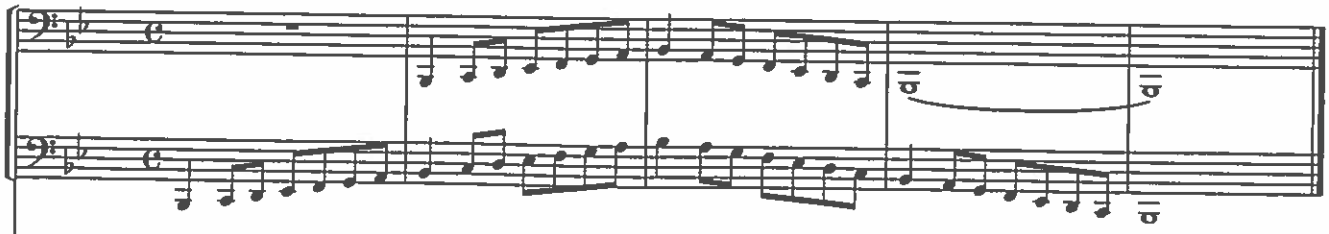


Option 5 - *fingerings indicated in parenthesis*

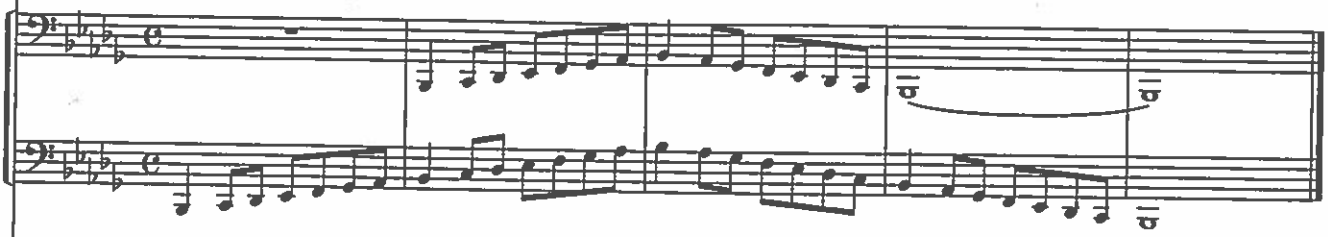


Technical Exercises in the Key of B♭

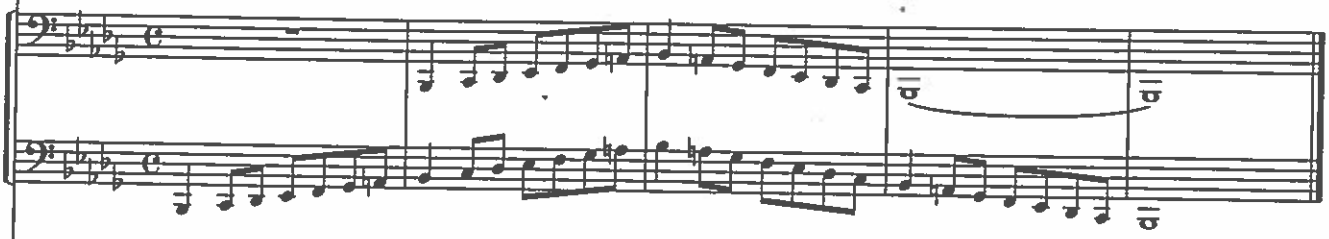
Major Scale



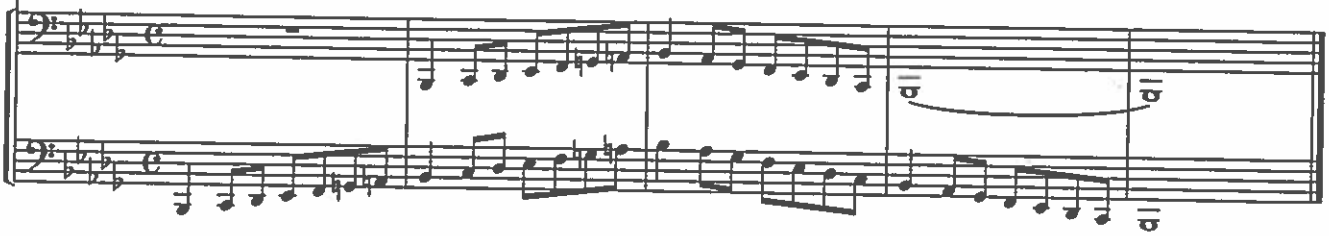
Natural Minor



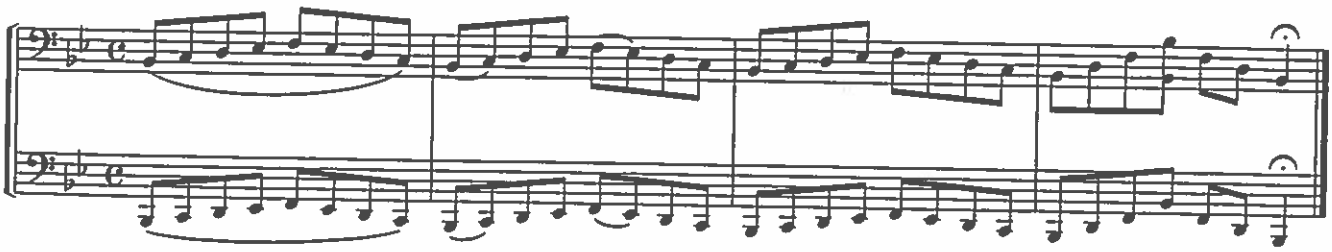
Harmonic Minor



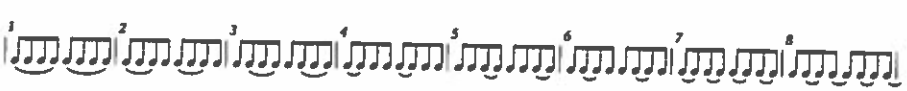
Melodic Minor

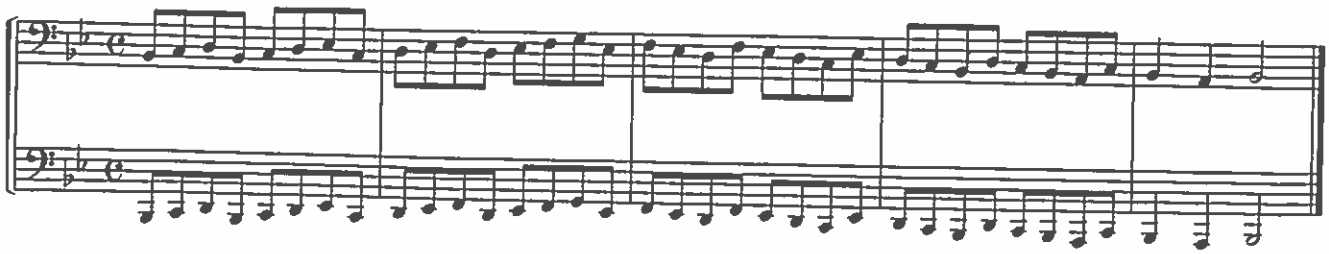


Mini-Scale & Tonic Arpeggio

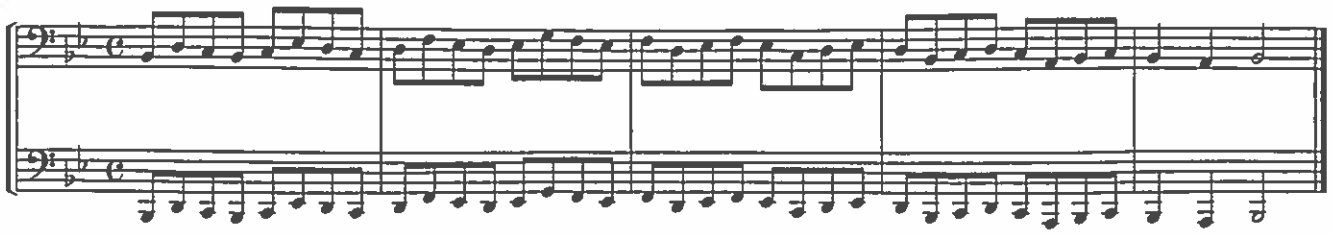


Scale Pattern 1 *articulations:

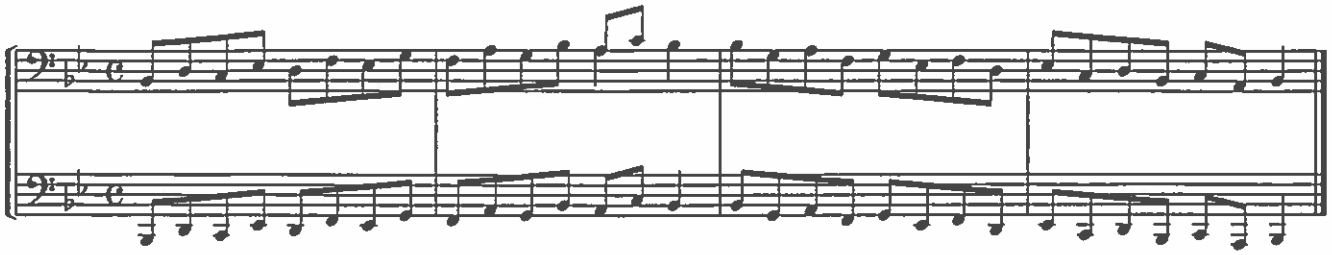




*Scale Pattern 2**

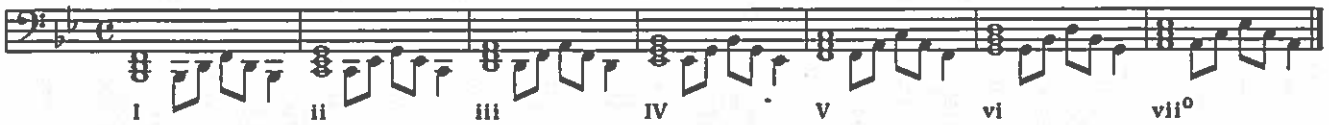


*Scale in Thirds**

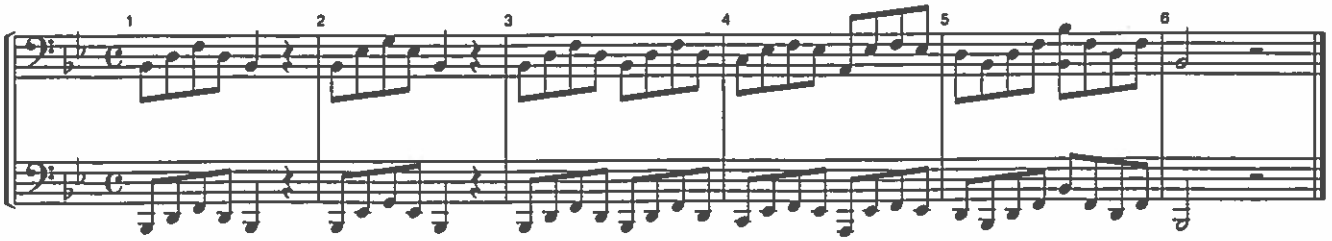


Interval Study

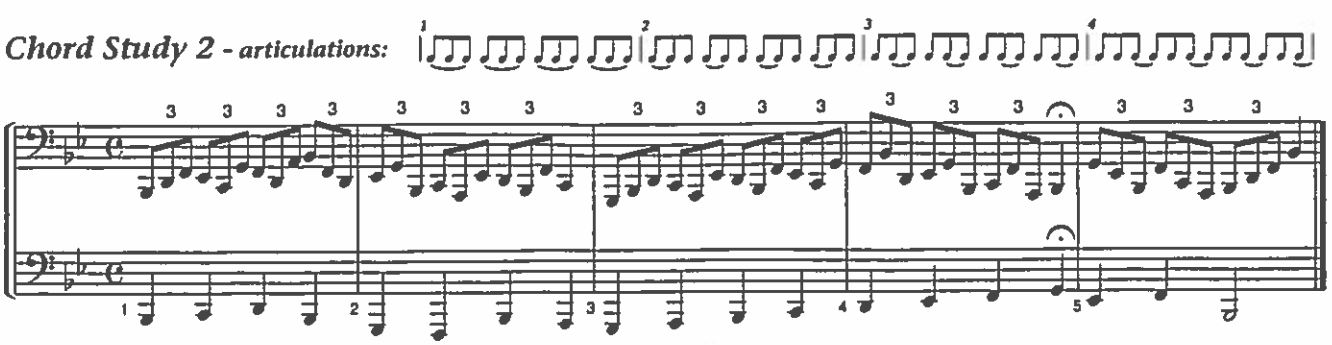
Triads of the B♭ Scale



*Chord Study 1**

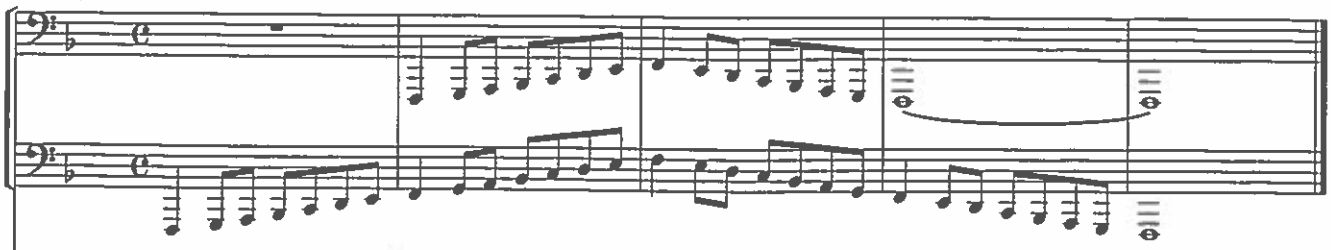


Chord Study 2 - articulations:

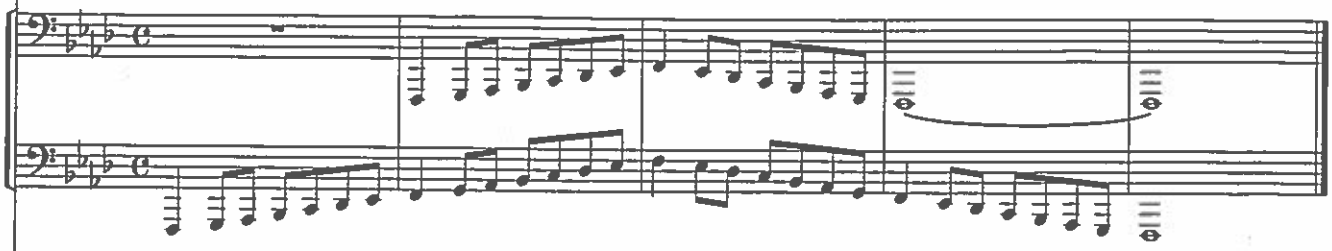


Technical Exercises in the Key of F

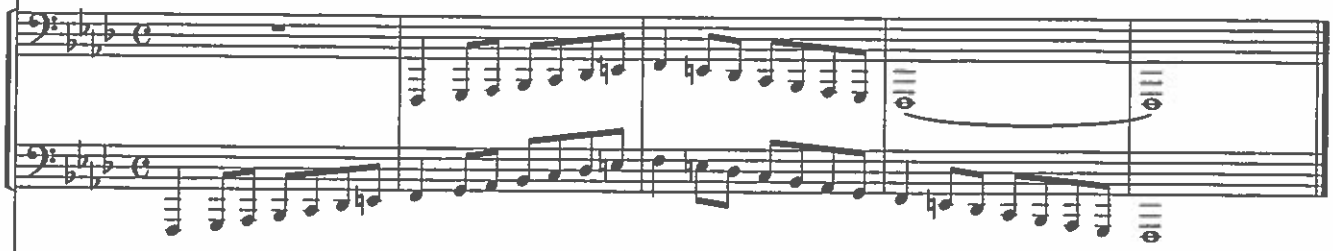
Major Scale



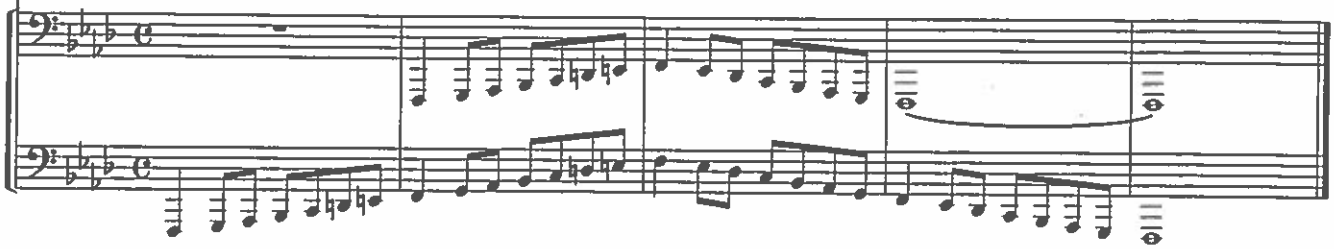
Natural Minor



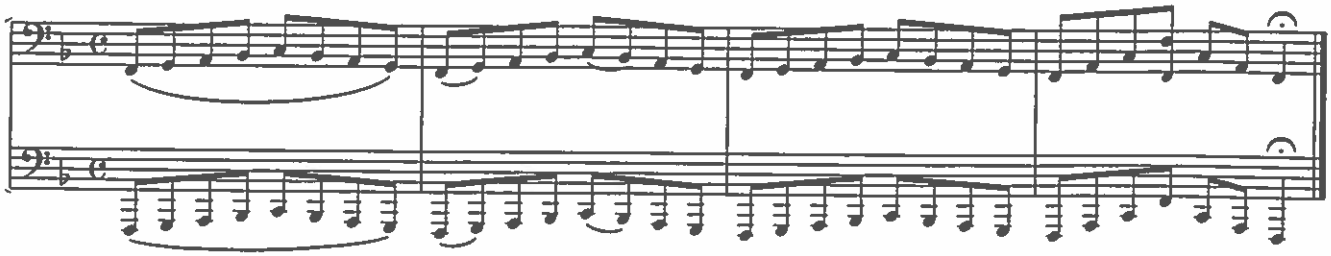
Harmonic Minor



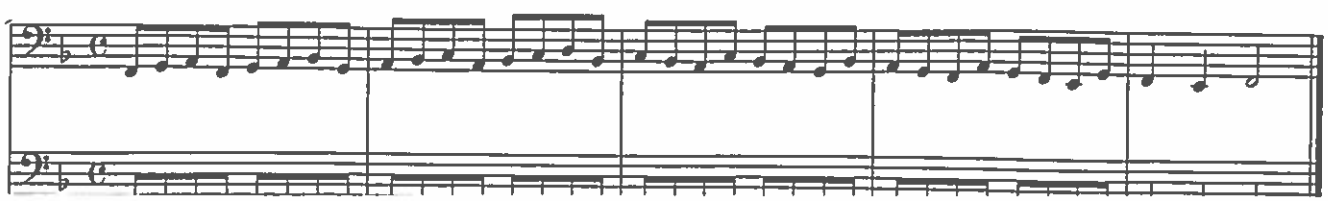
Melodic Minor



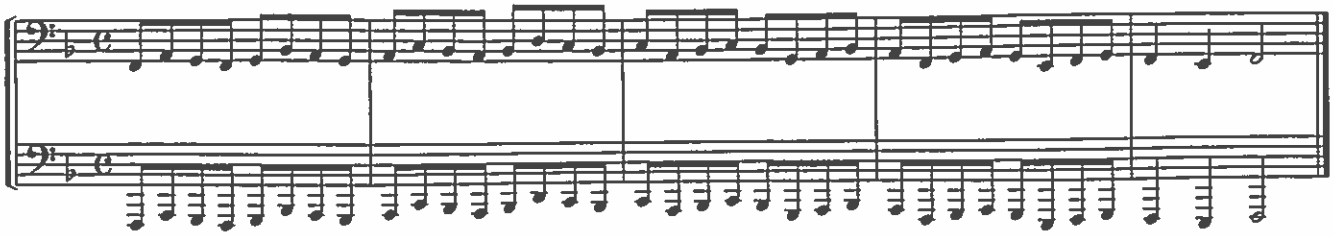
Mini-Scale & Tonic Arpeggio



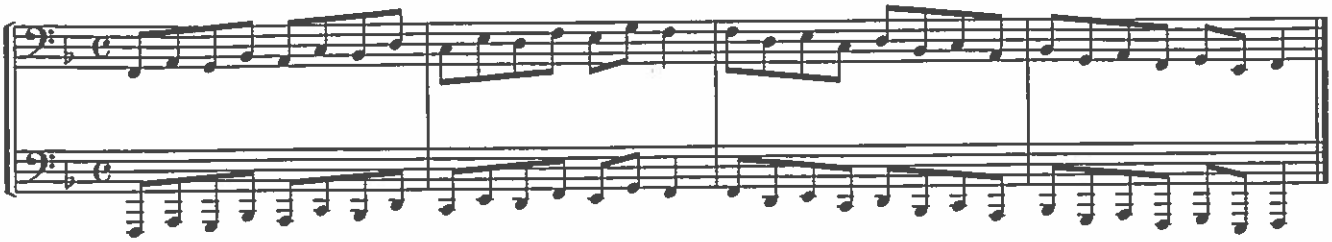
Scale Pattern 1 **articulations:*



*Scale Pattern 2**

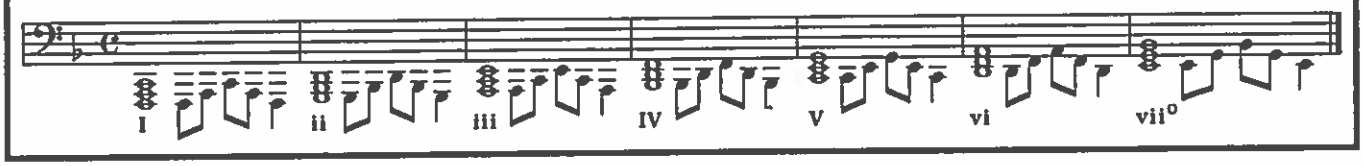


*Scale in Thirds**

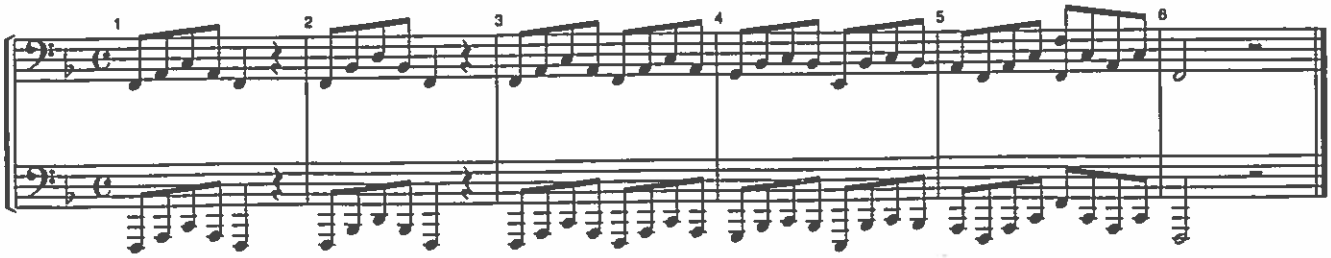


Interval Study

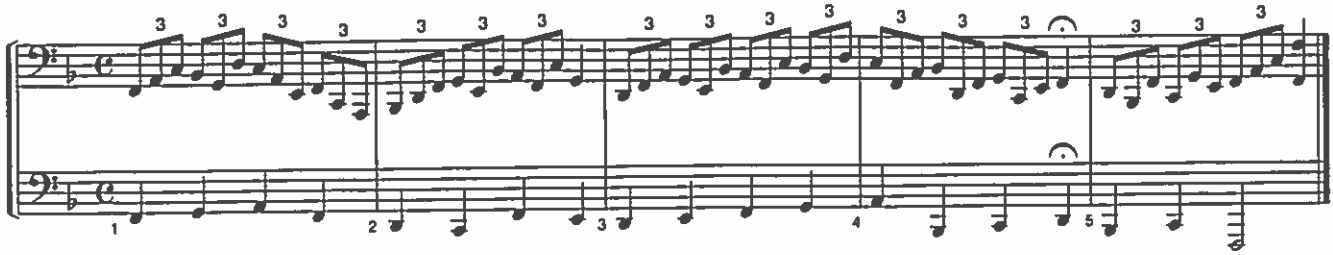
Triads of the F Scale



*Chord Study 1**

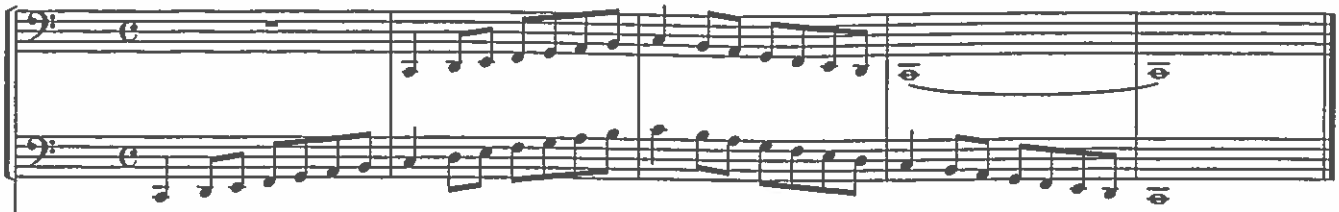


Chord Study 2 - articulations:

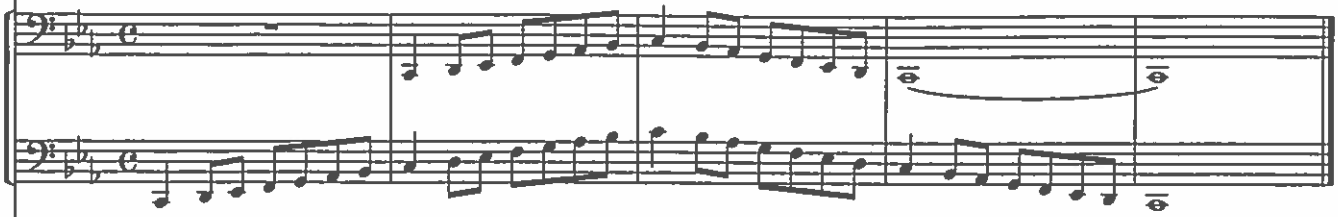


Technical Exercises in the Key of C

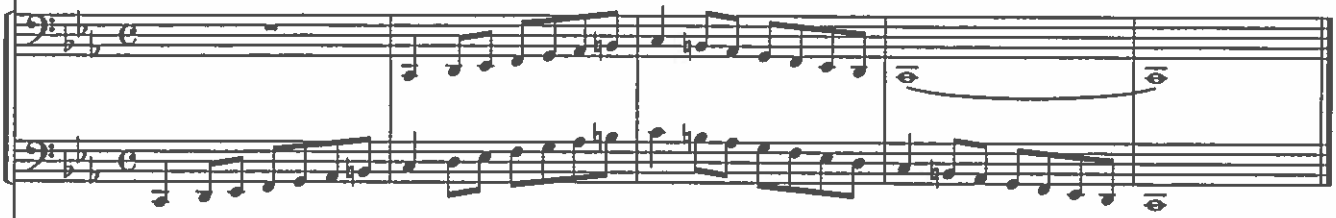
Major Scale



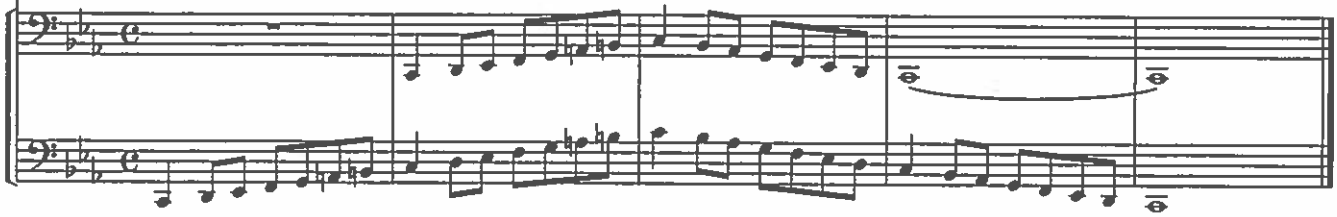
Natural Minor



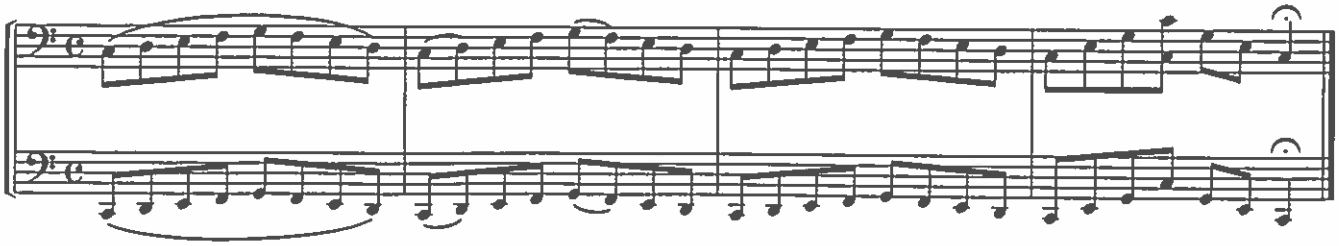
Harmonic Minor



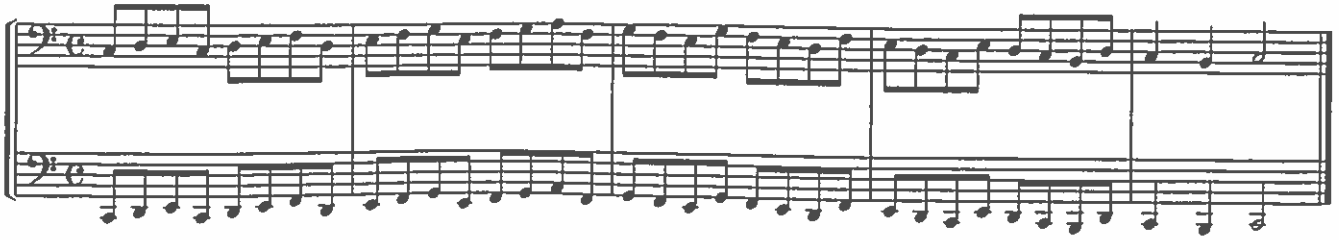
Melodic Minor



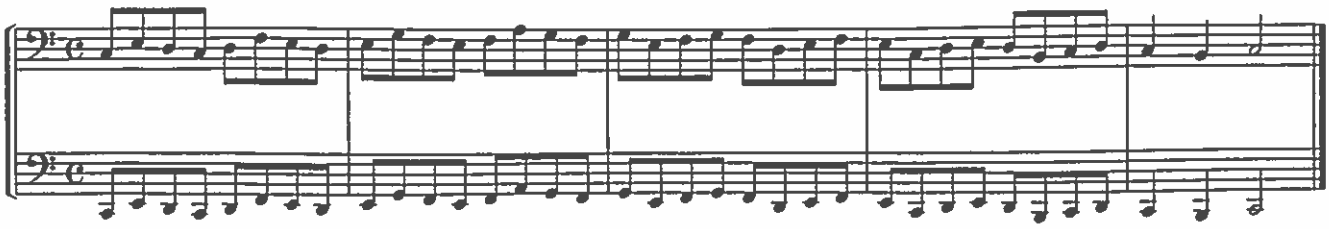
Mini-Scale & Tonic Arpeggio



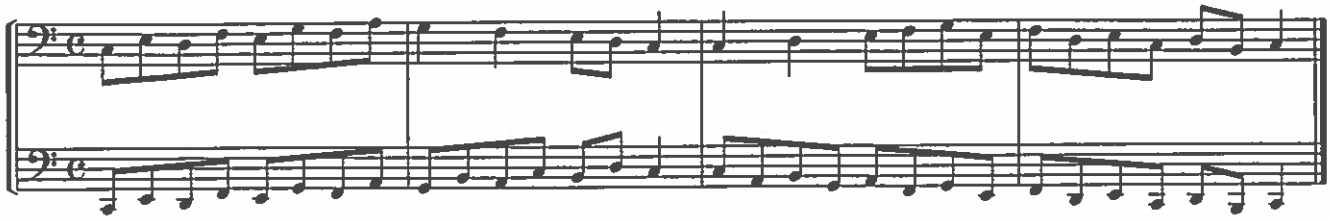
Scale Pattern 1 *articulations:



*Scale Pattern 2**

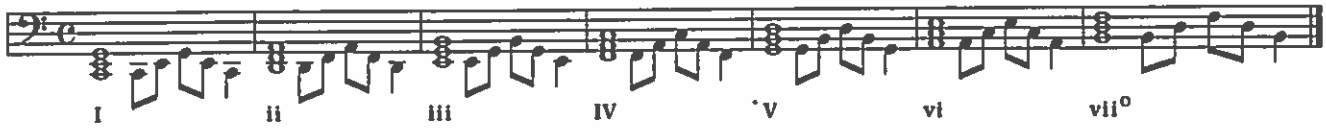


*Scale in Thirds**

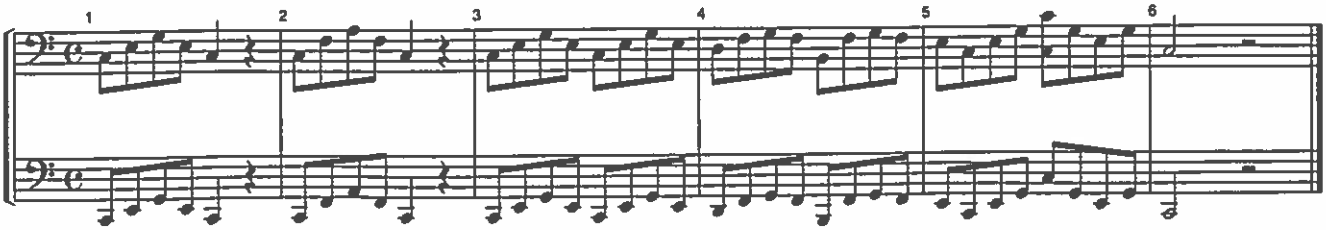


Interval Study

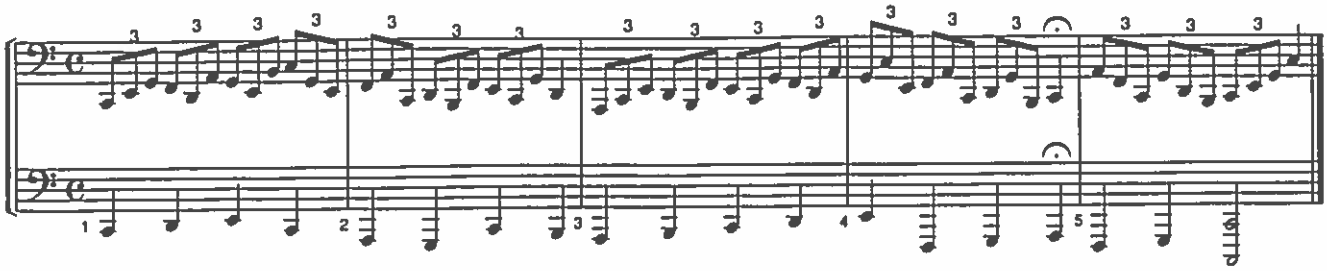
Triads of the C Scale



*Chord Study 1**



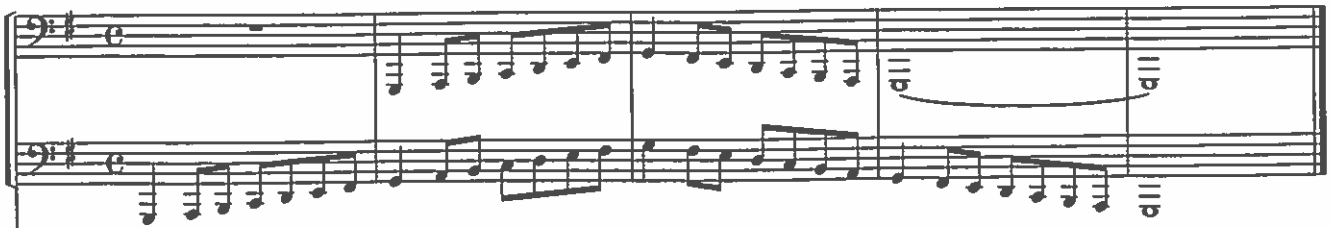
Chord Study 2 - articulations:



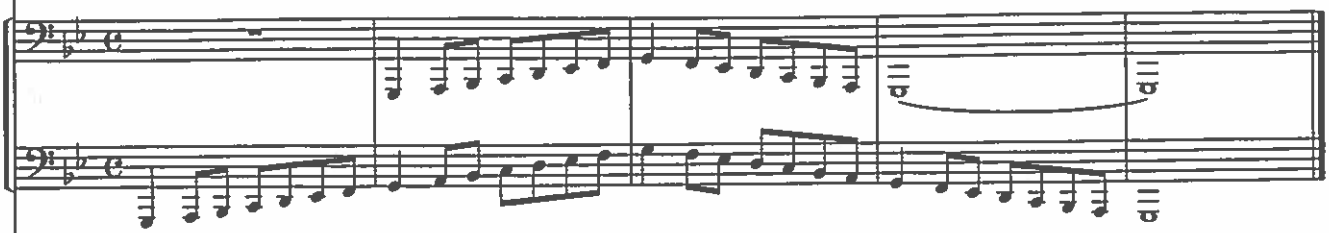
W32BS

Technical Exercises in the Key of G

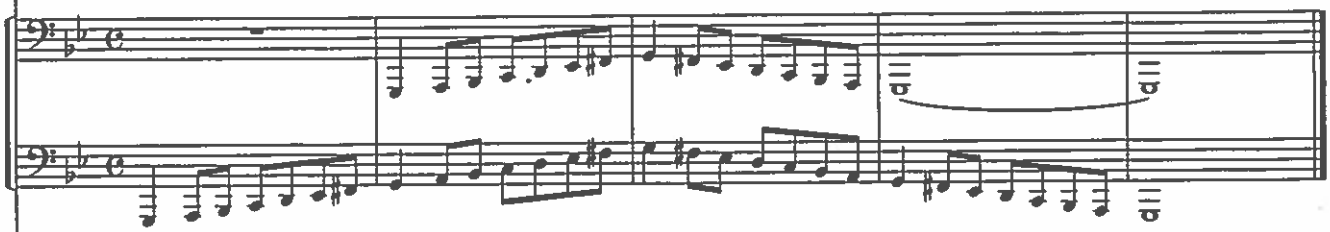
Major Scale



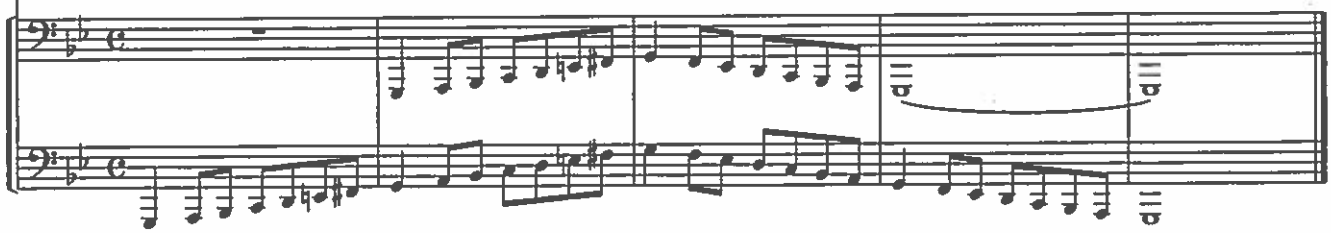
Natural Minor



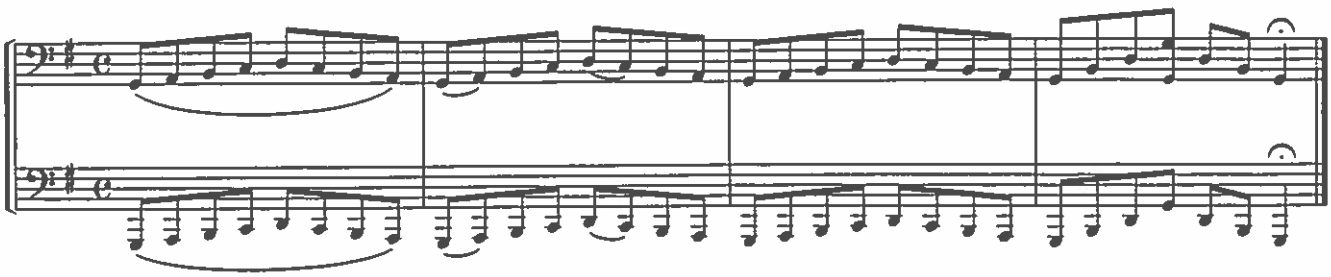
Harmonic Minor



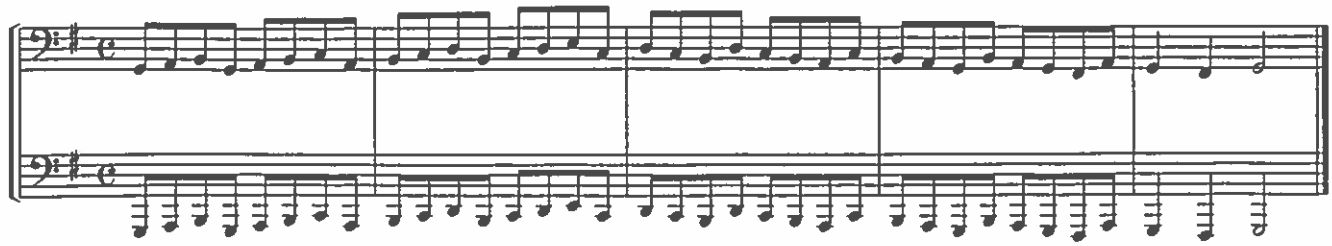
Melodic Minor



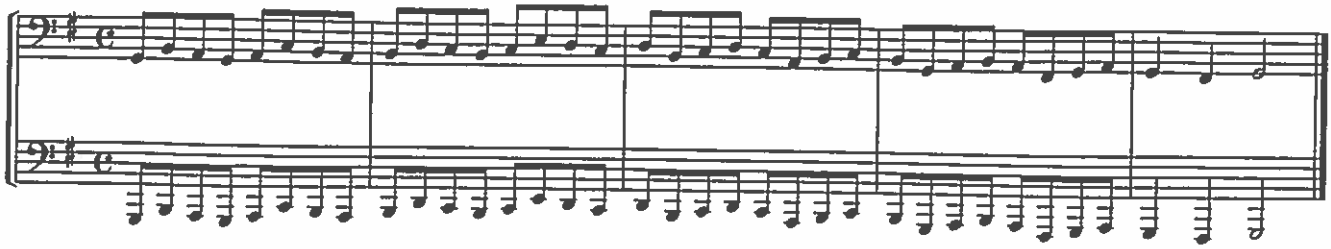
Mini-Scale & Tonic Arpeggio



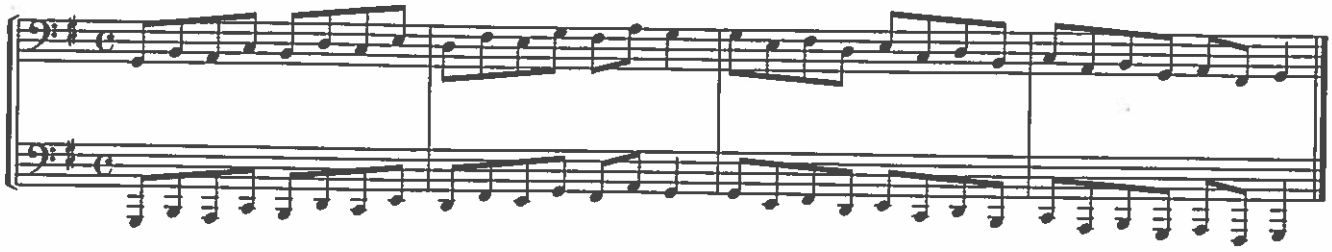
Scale Pattern 1 **articulations:*



*Scale Pattern 2**

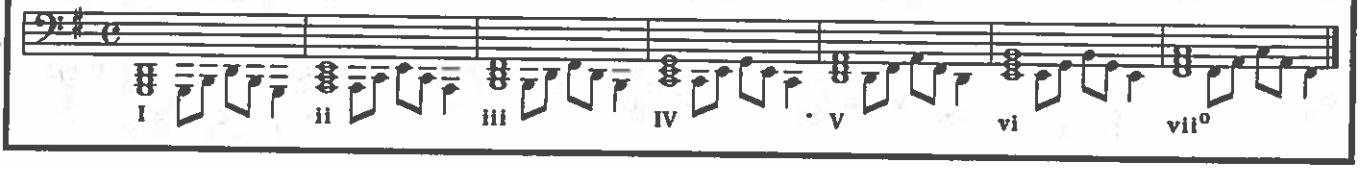


*Scale in Thirds**

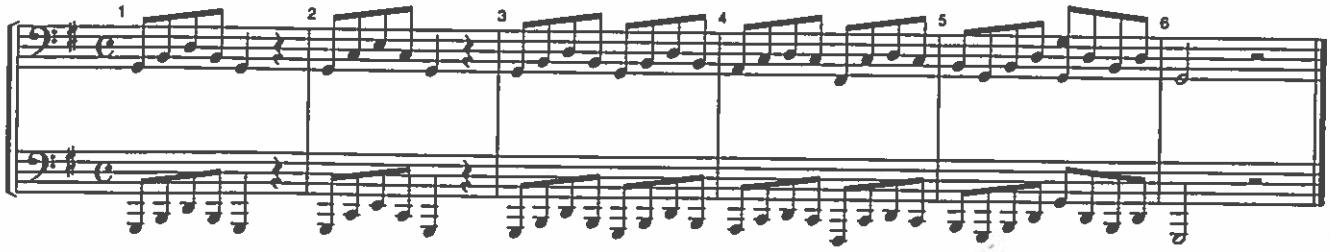


Interval Study

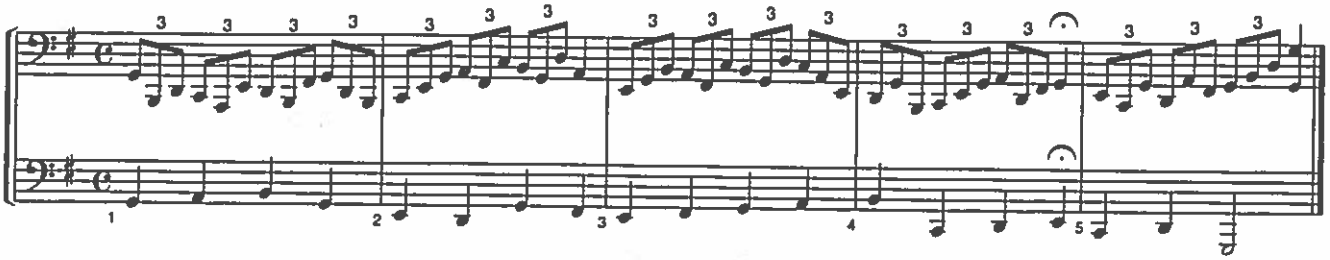
Triads of the G Scale



*Chord Study 1**

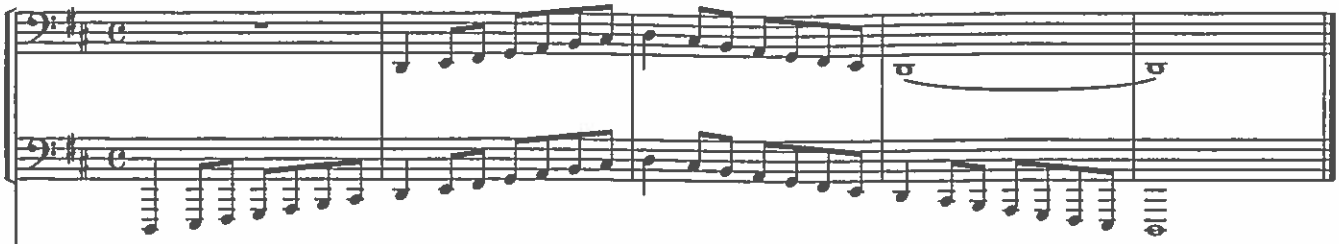


Chord Study 2 - articulations:

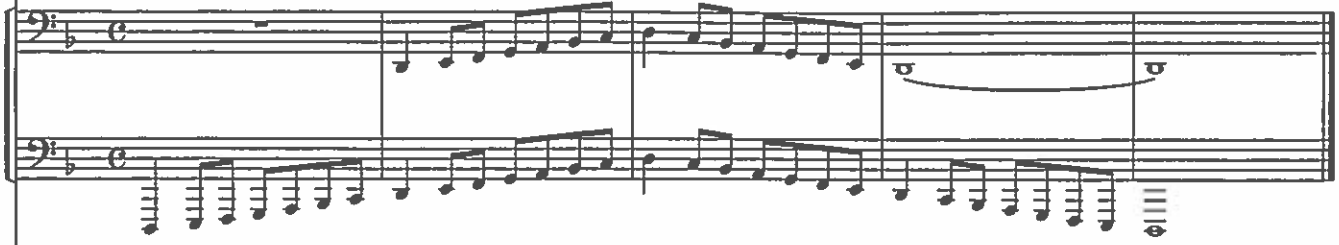


Technical Exercises in the Key of D

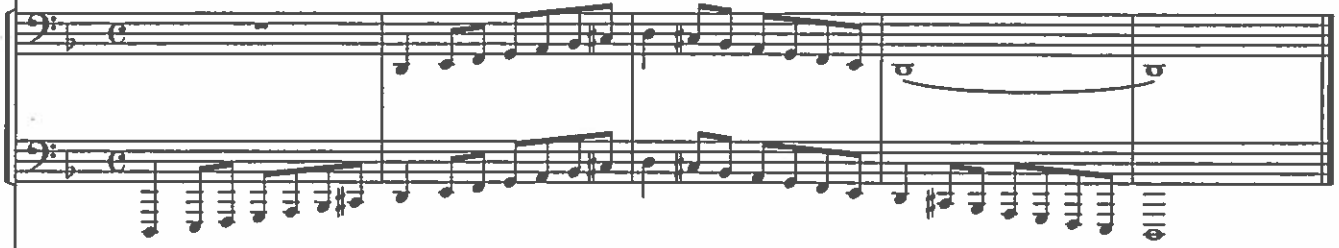
Major Scale



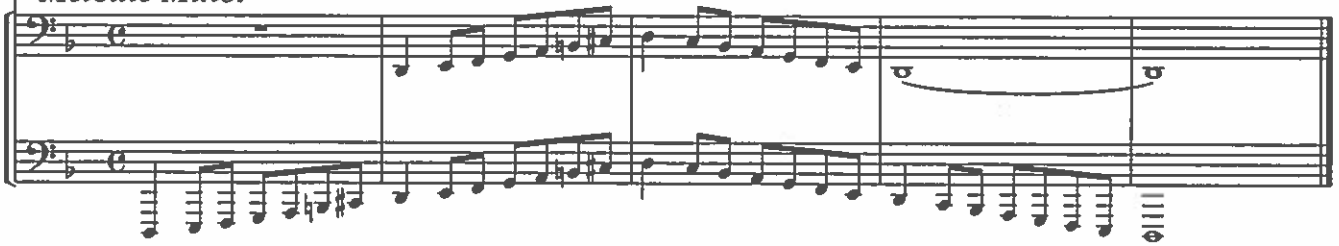
Natural Minor



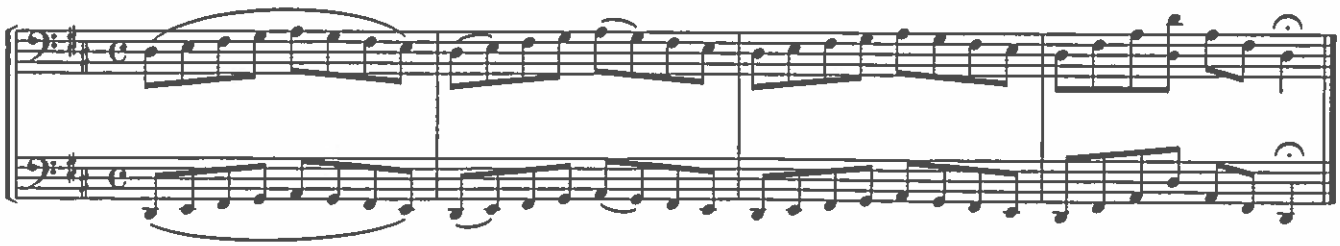
Harmonic Minor



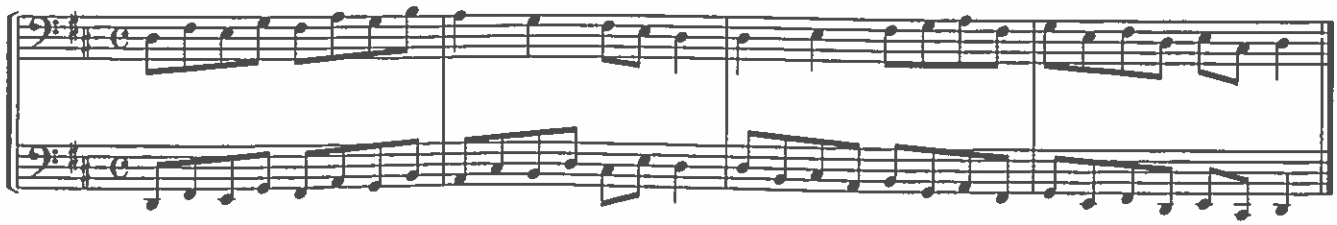
Melodic Minor



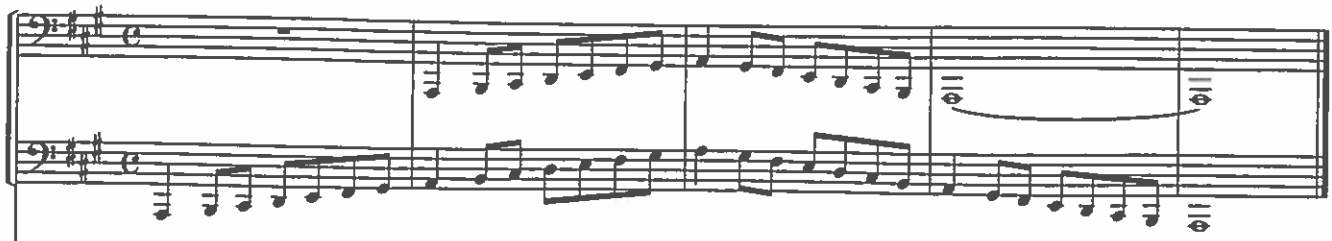
Mini-Scale & Tonic Arpeggio



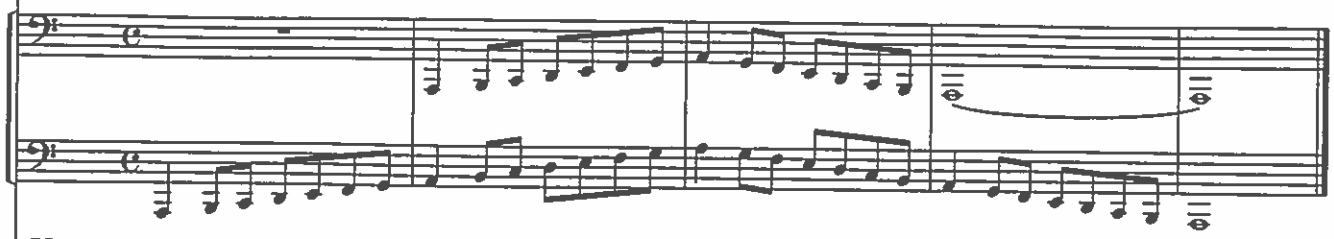
Scale in Thirds - *articulations:*



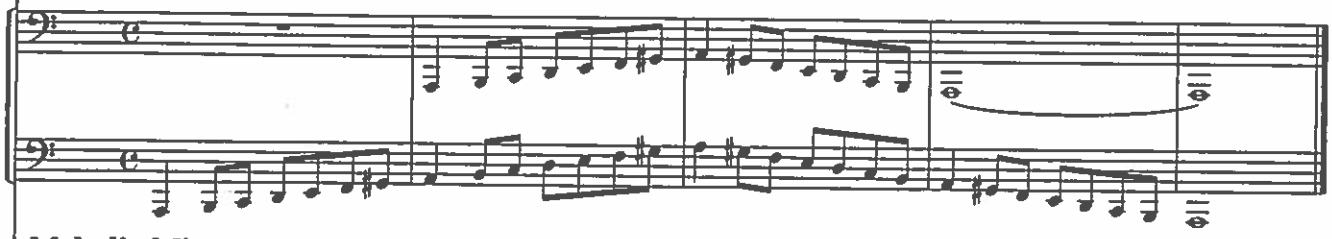
Major Scale



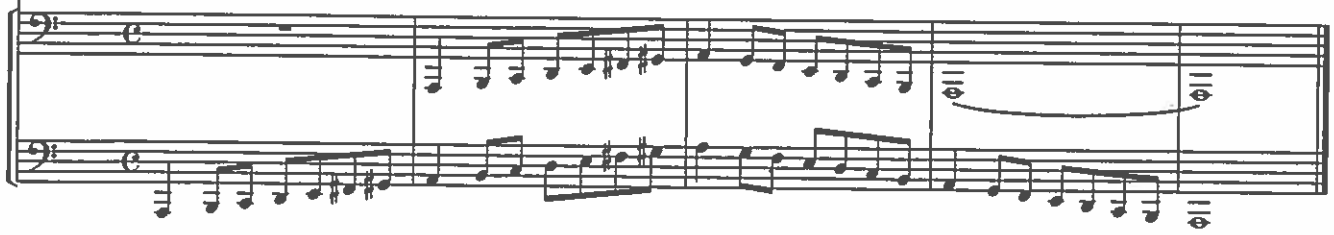
Natural Minor



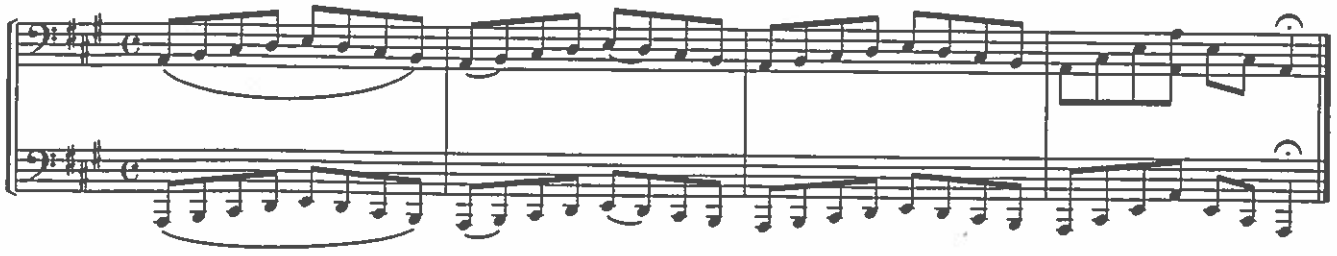
Harmonic Minor



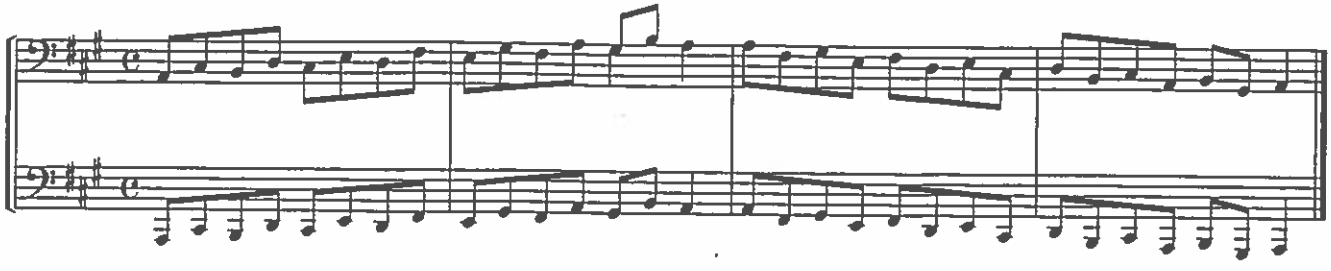
Melodic Minor



Mini-Scale & Tonic Arpeggio

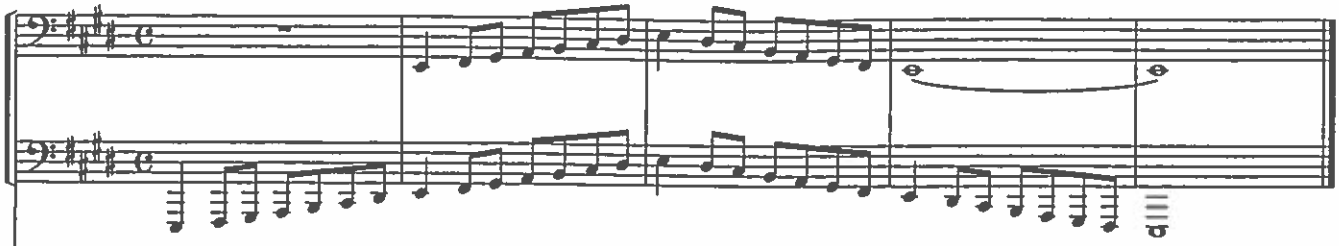


Scale in Thirds - articulations:

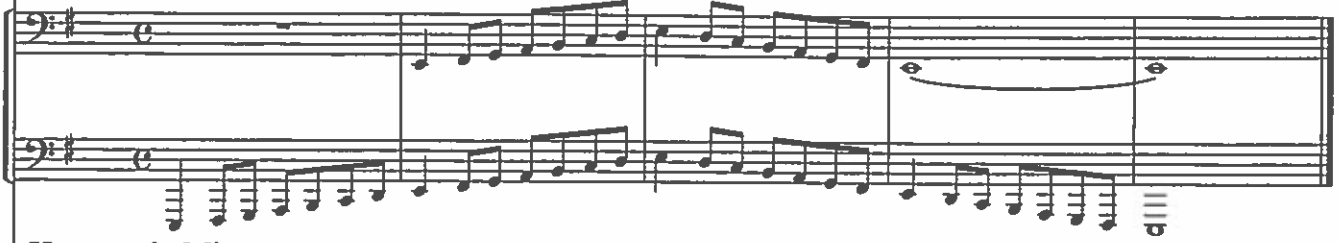


Technical Exercises in the Key of E

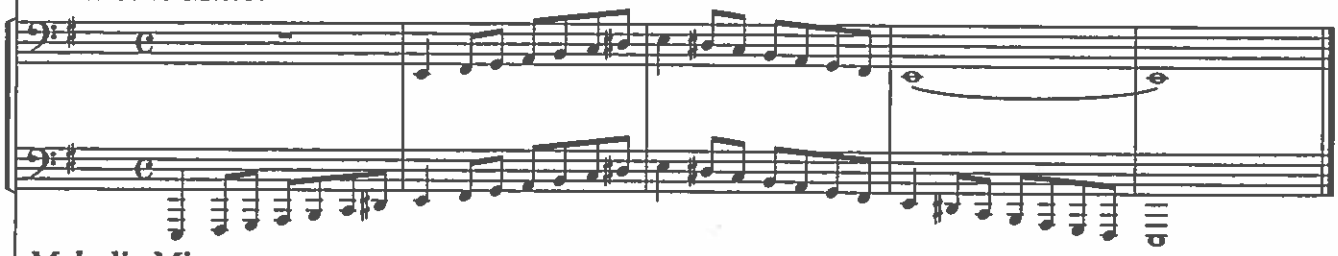
Major Scale



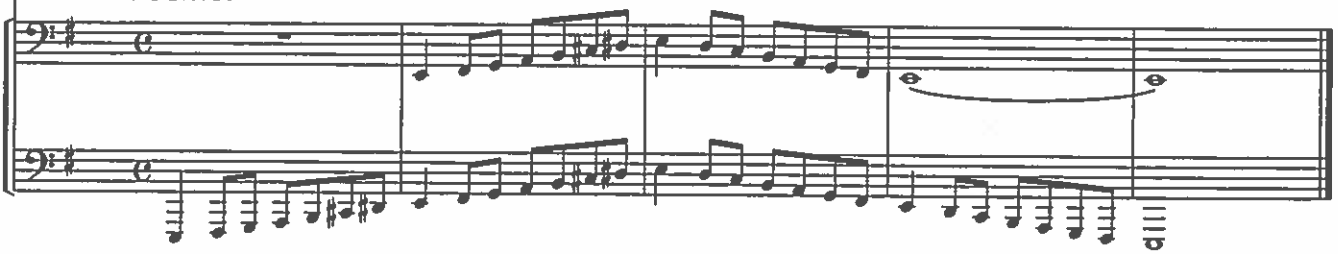
Natural Minor



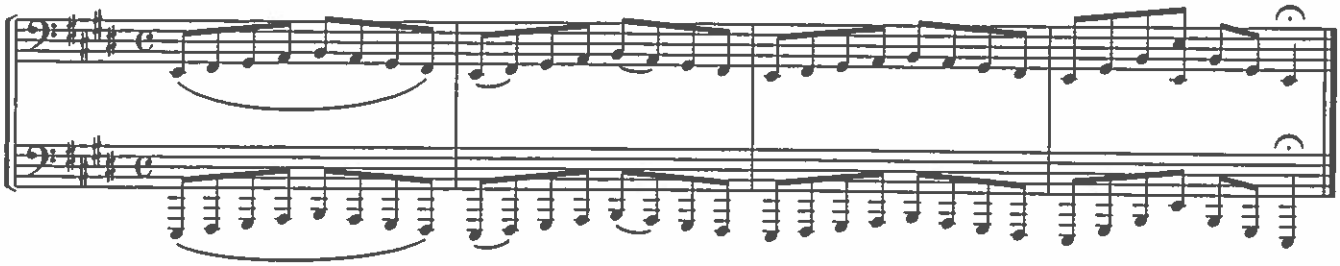
Harmonic Minor



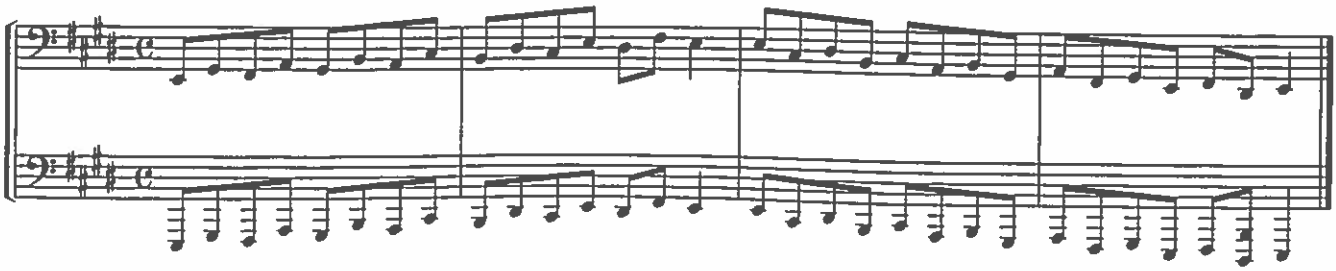
Melodic Minor



Mini-Scale & Tonic Arpeggio

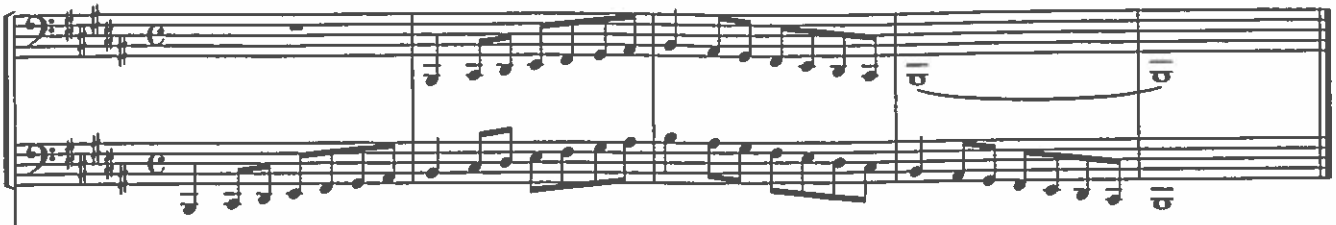


Scale in Thirds - *articulations:*

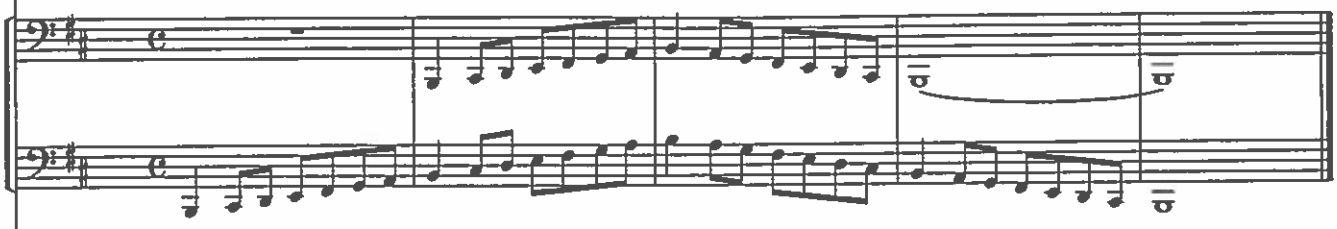


Technical Exercises in the Key of B

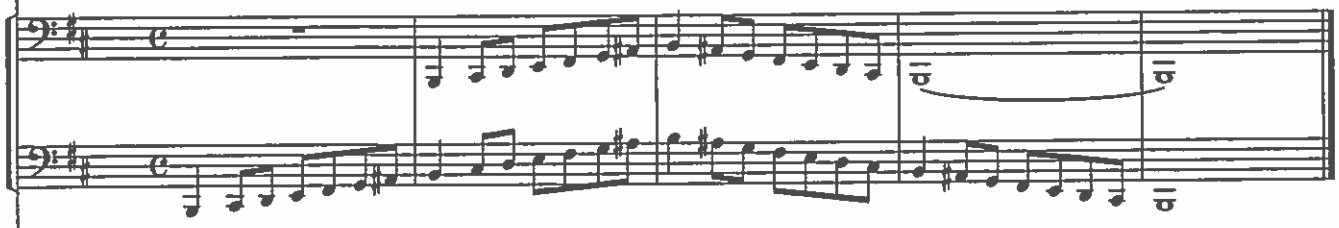
Major Scale



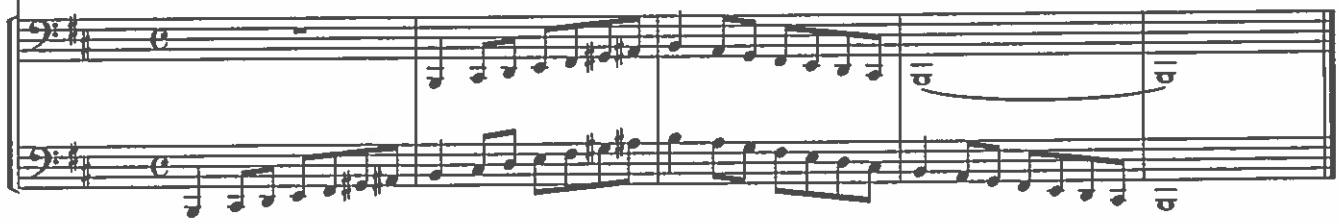
Natural Minor



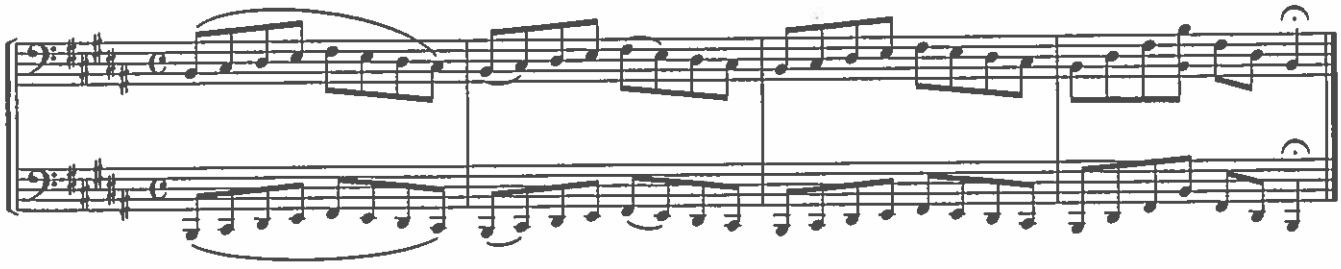
Harmonic Minor

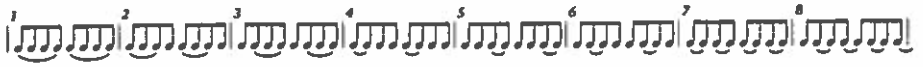


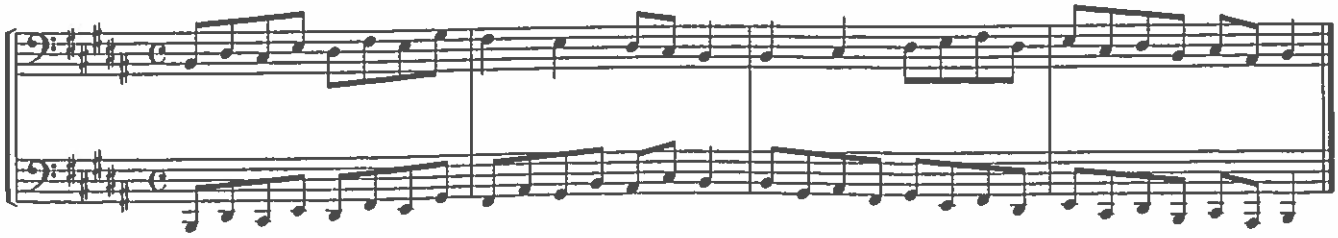
Melodic Minor



Mini-Scale & Tonic Arpeggio

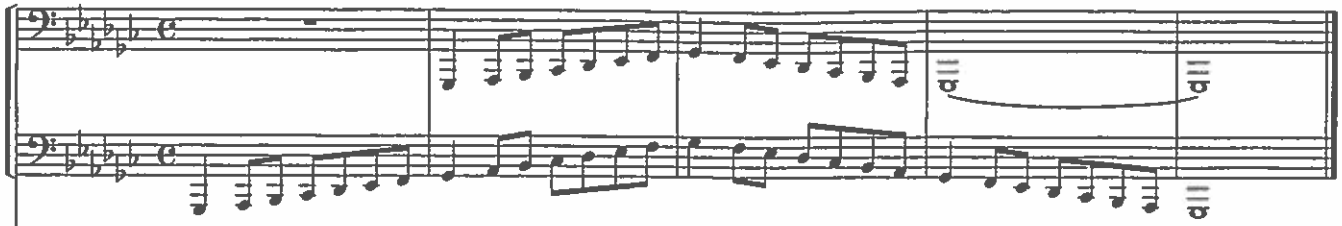


Scale in Thirds - *articulations:* 

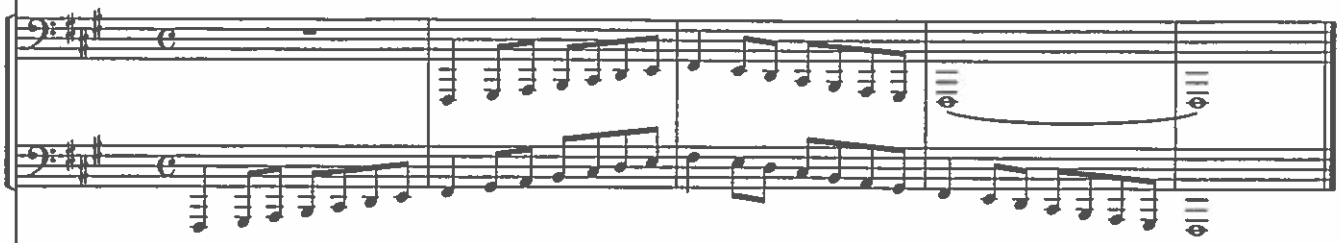


Technical Exercises in the Key of G♭

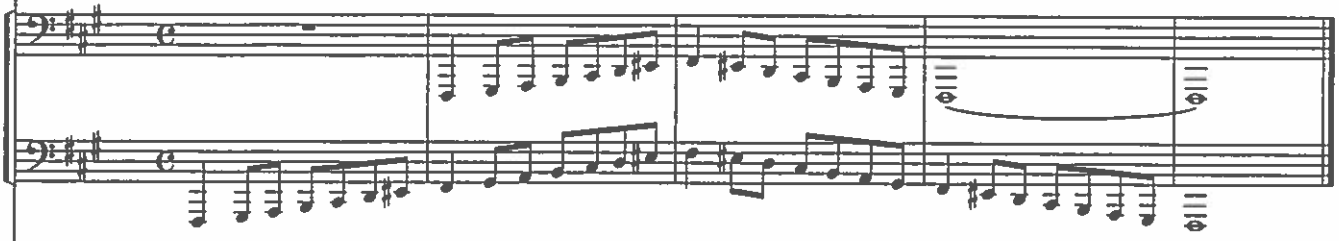
Major Scale



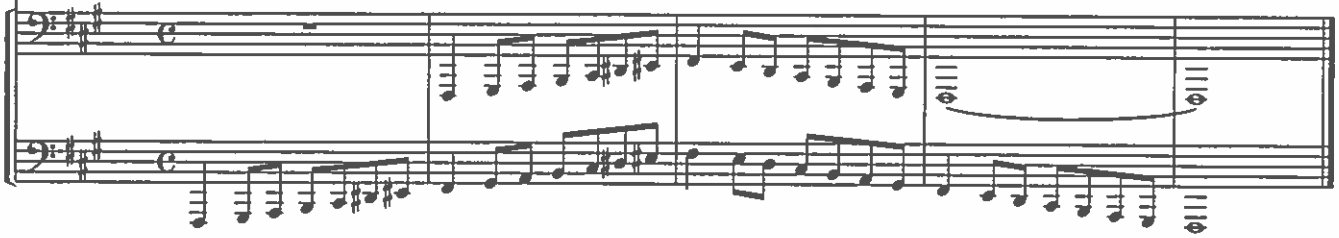
Natural Minor



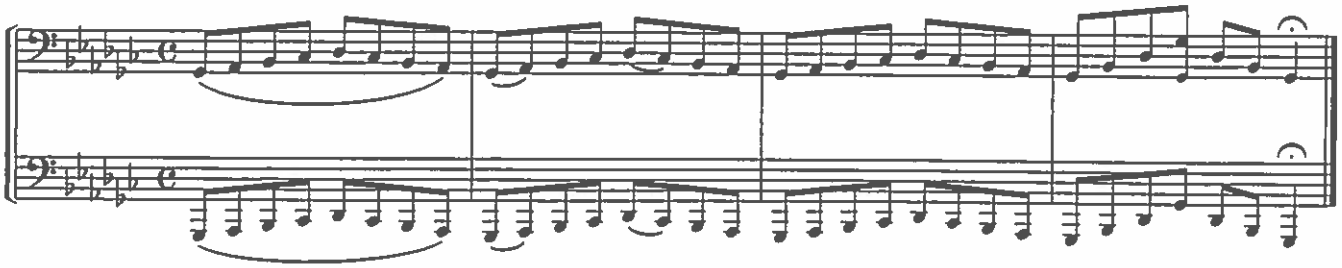
Harmonic Minor



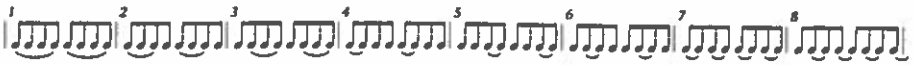
Melodic Minor

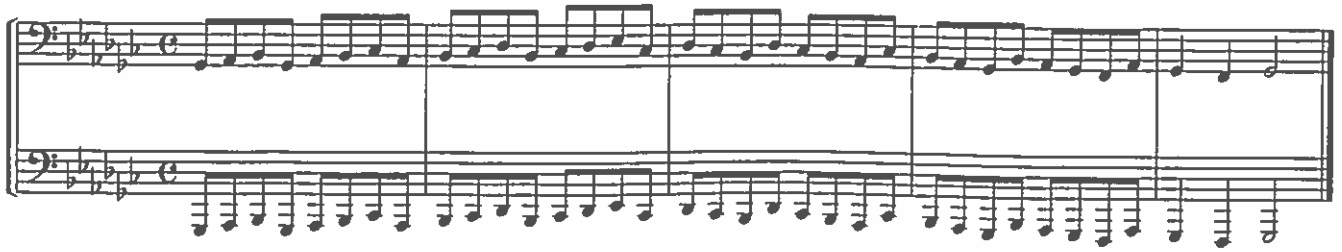


Mini-Scale & Tonic Arpeggio

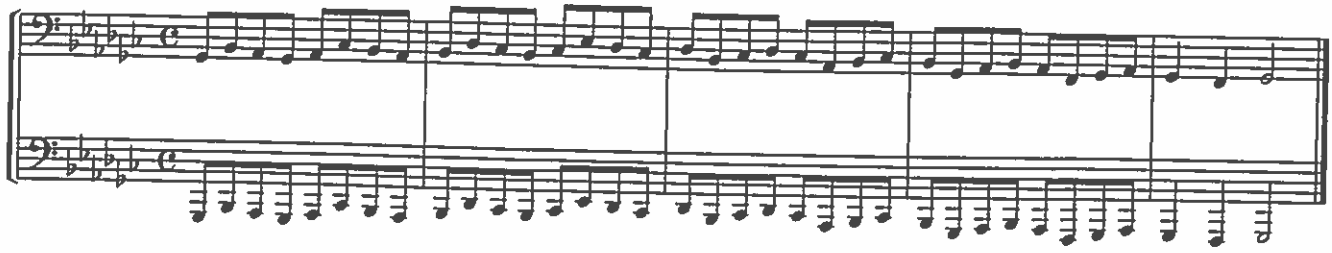


Scale Pattern 1 **articulations:*

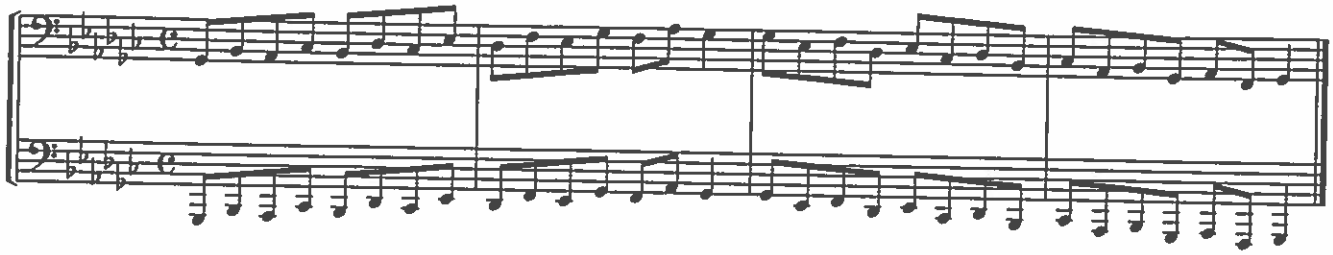




*Scale Pattern 2**

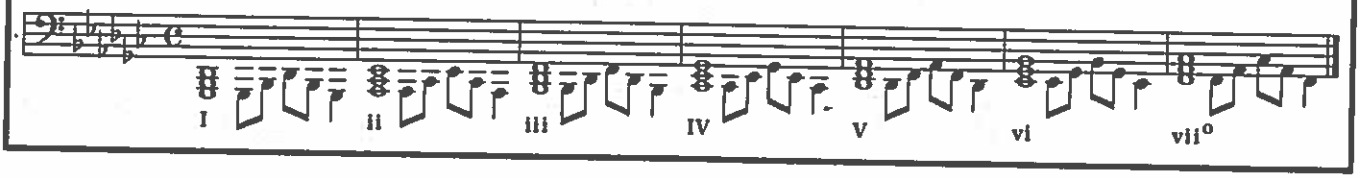


*Scale in Thirds**

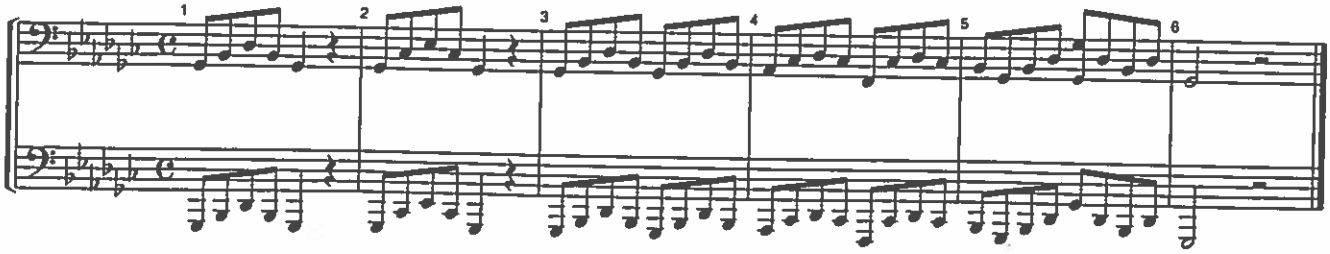


Interval Study

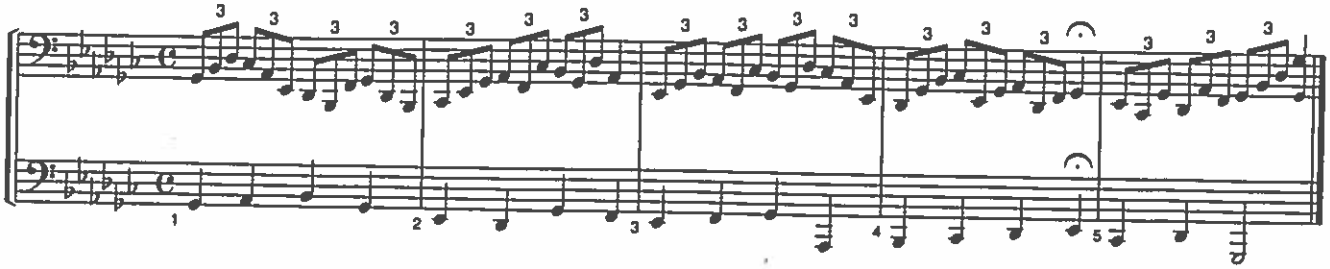
Triads of the G♭ Scale



*Chord Study 1**

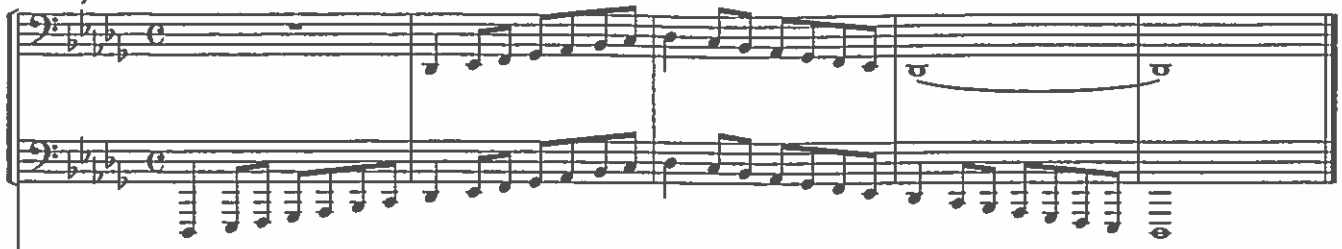


Chord Study 2 - articulations:

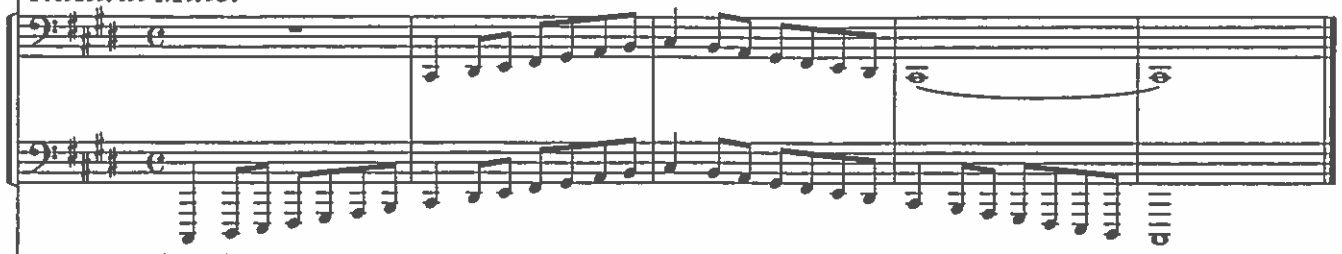


Technical Exercises in the Key of D♭

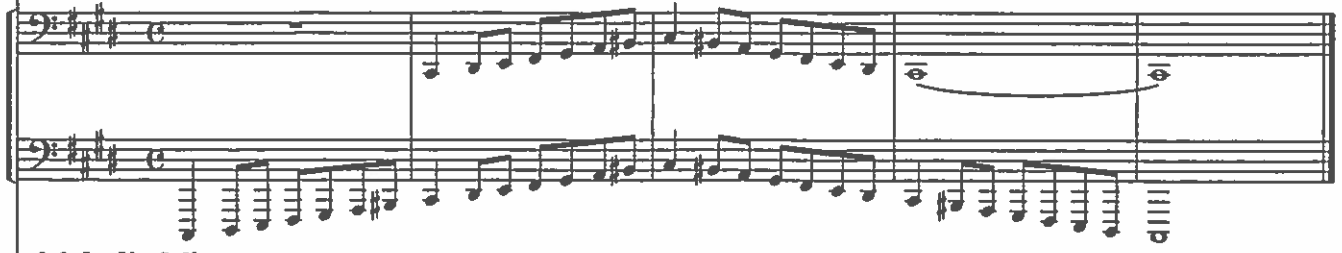
Major Scale



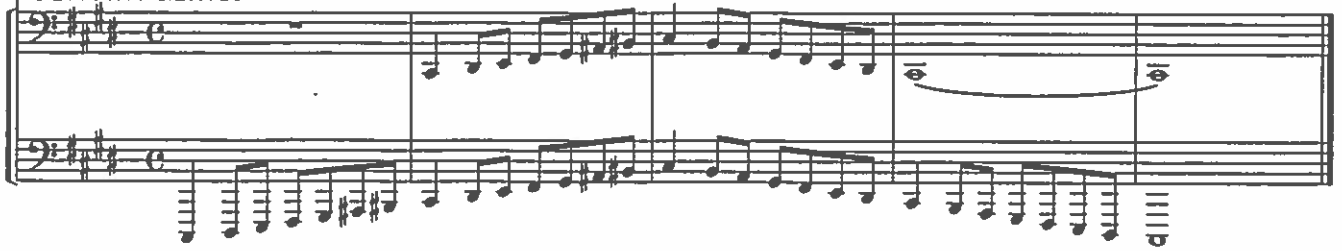
Natural Minor



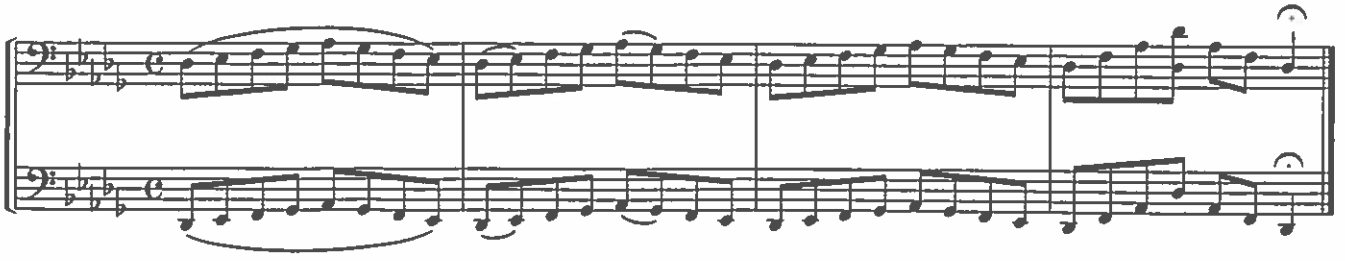
Harmonic Minor



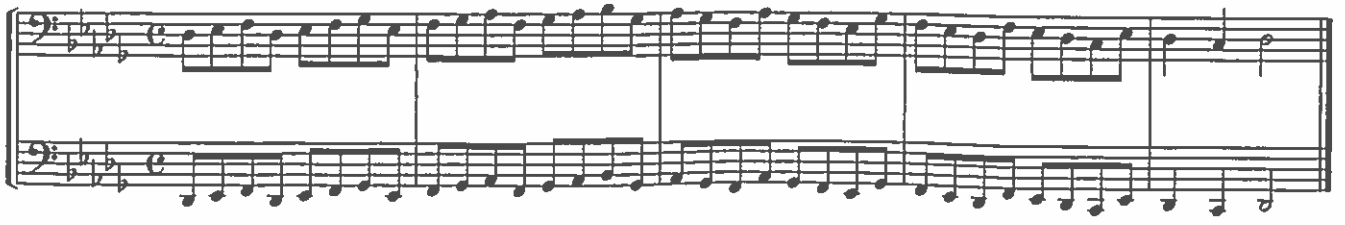
Melodic Minor



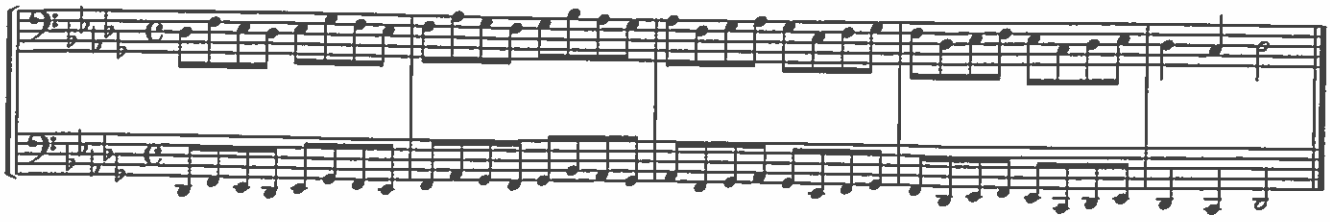
Mini-Scale & Tonic Arpeggio



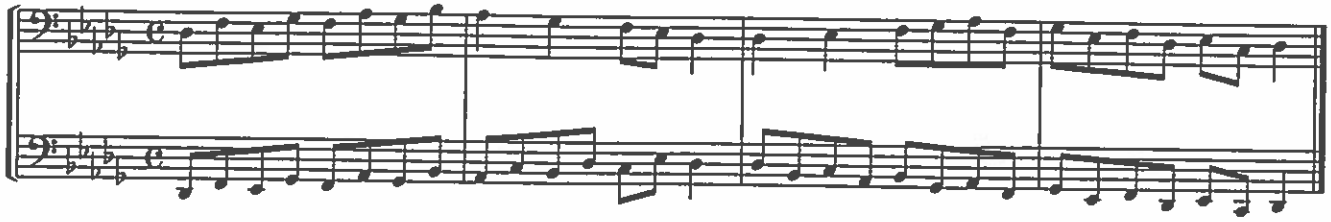
Scale Pattern 1 **articulations:*



*Scale Pattern 2**

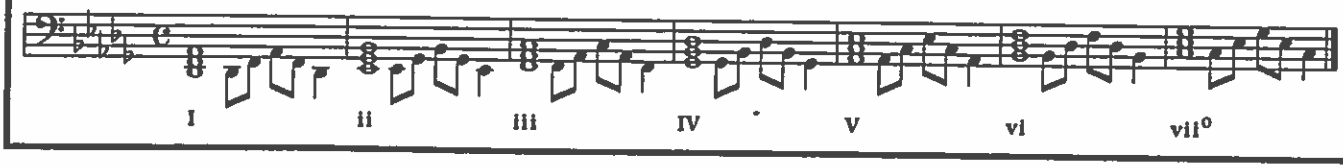


*Scale in Thirds**

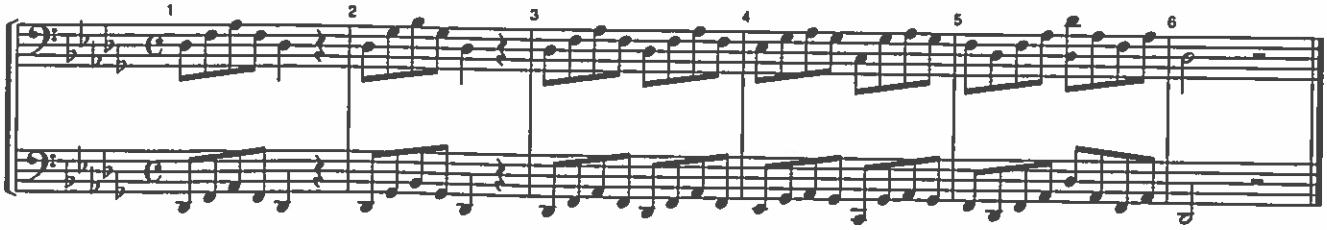


Interval Study

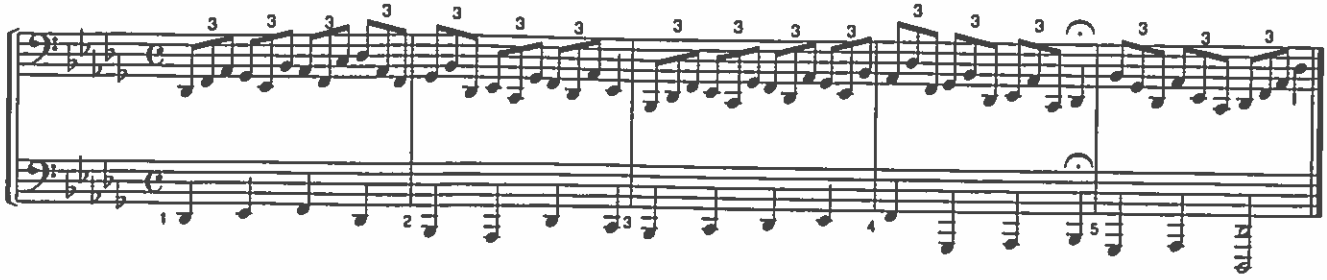
Triads of the D♭ Scale



*Chord Study 1**

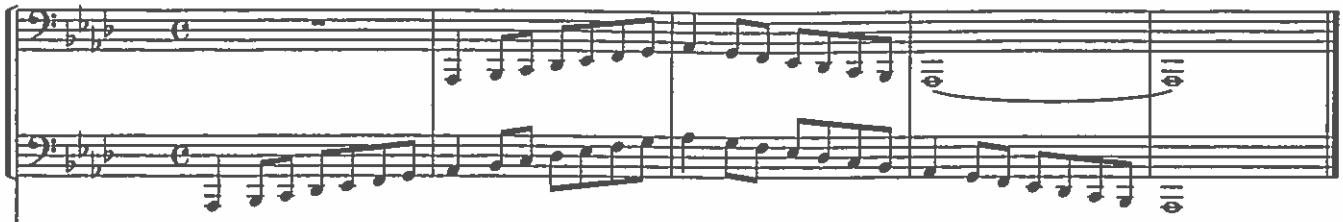


Chord Study 2 - *articulations:*

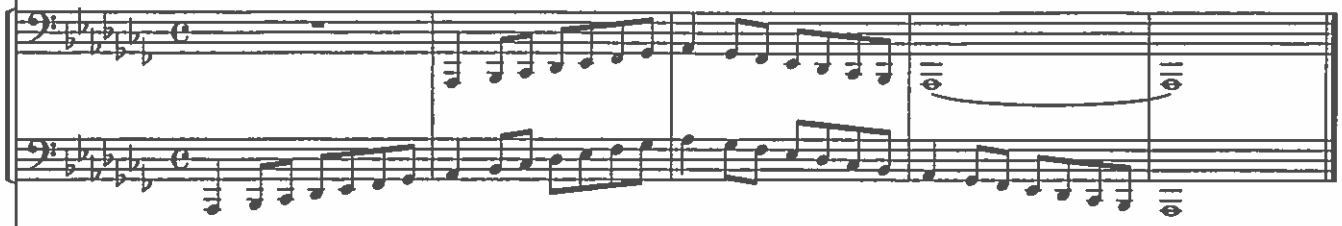


Technical Exercises in the Key of A♭

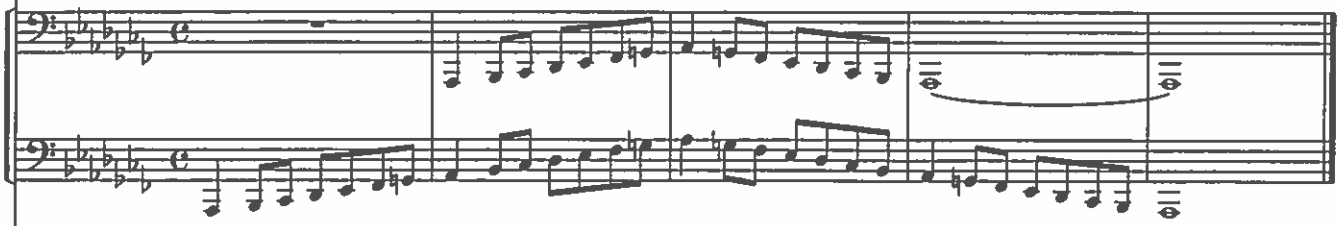
Major Scale



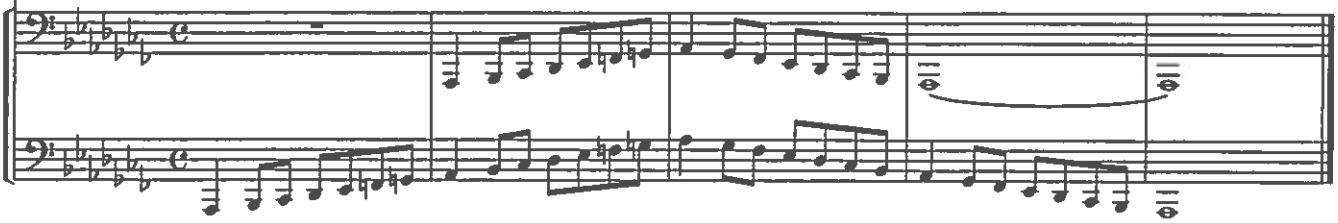
Natural Minor



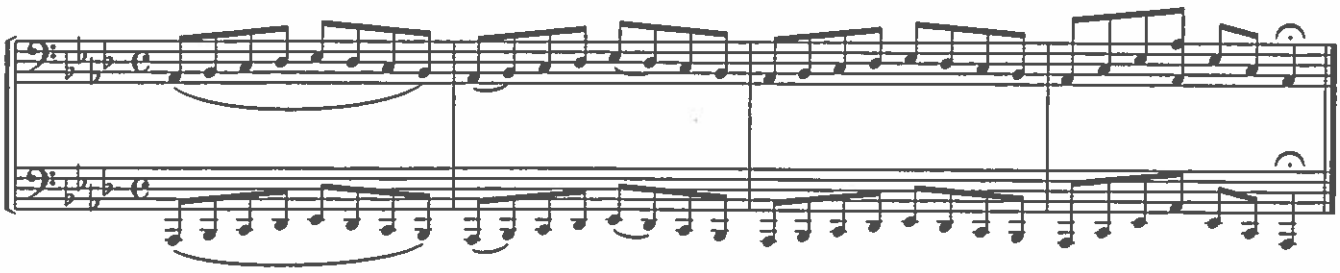
Harmonic Minor



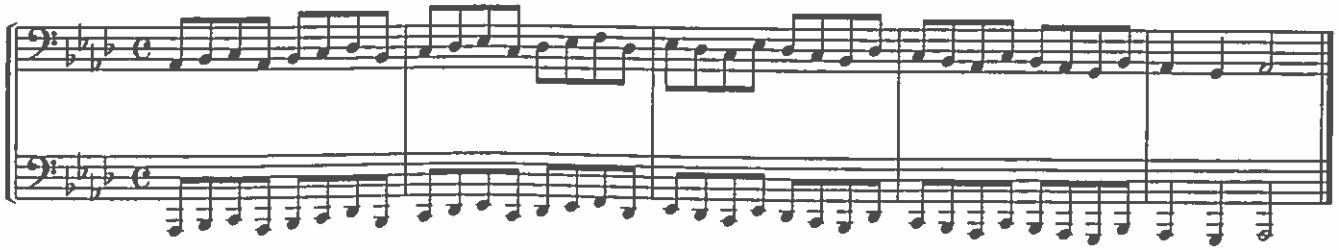
Melodic Minor



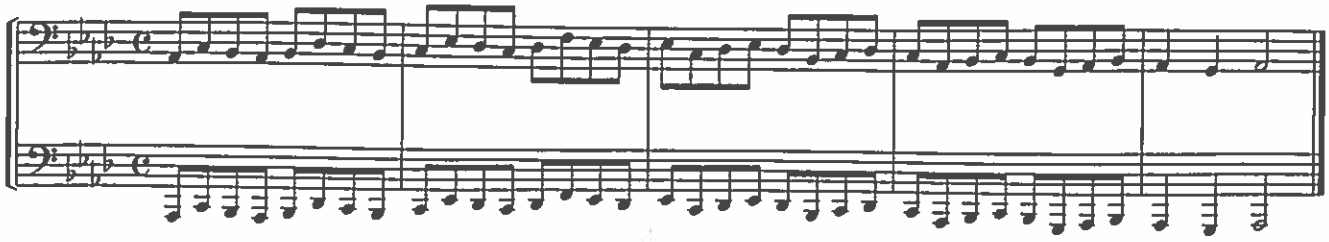
Mini-Scale & Tonic Arpeggio



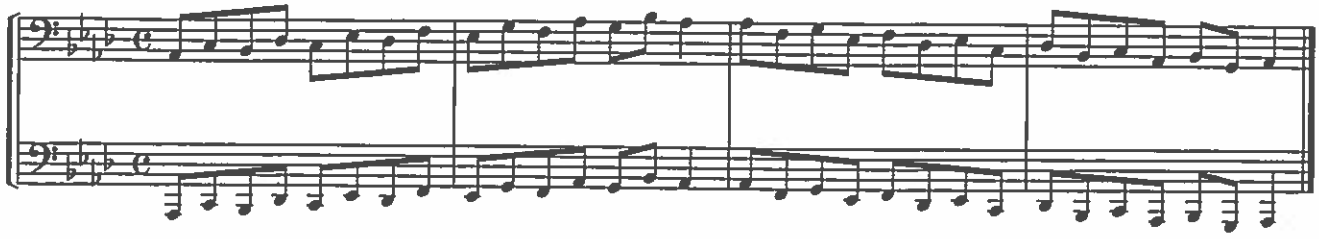
Scale Pattern 1 **articulations:* 1 2 3 4 5 6 7 8



*Scale Pattern 2**

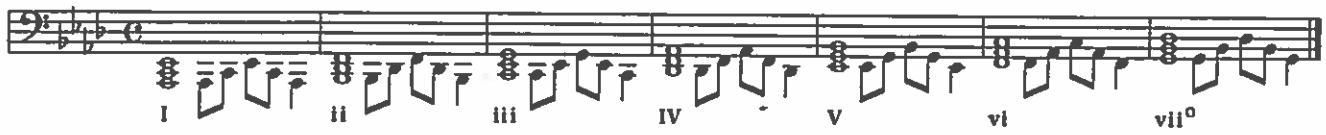


*Scale in Thirds**

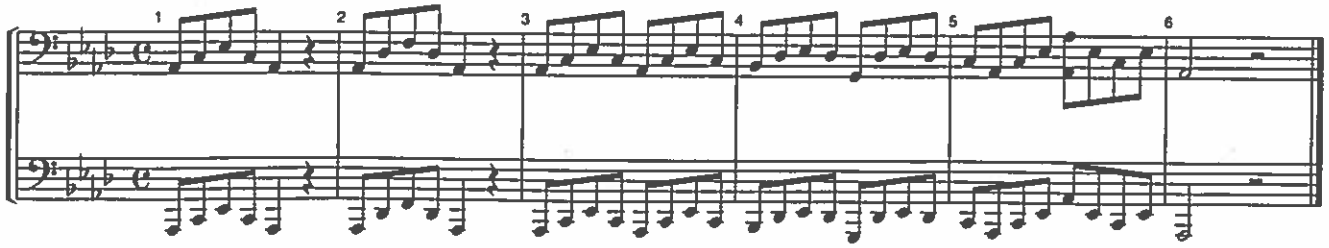


Interval Study

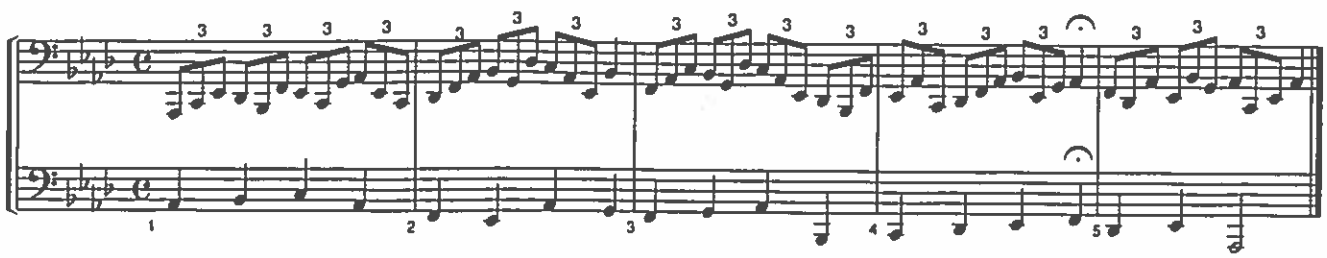
Triads of the A♭ Scale



*Chord Study 1**

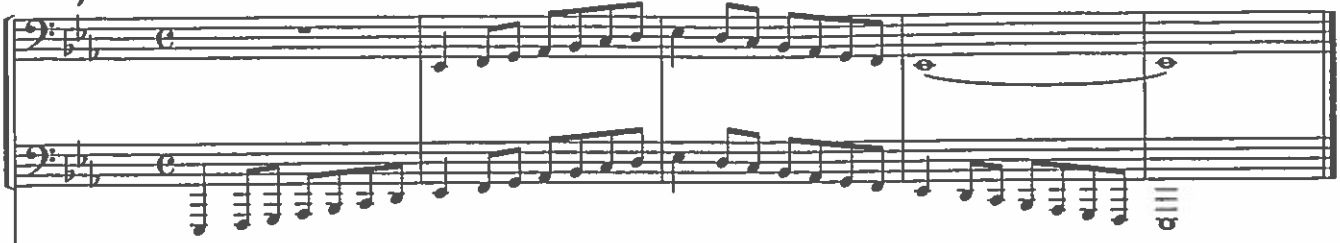


Chord Study 2 - articulations:

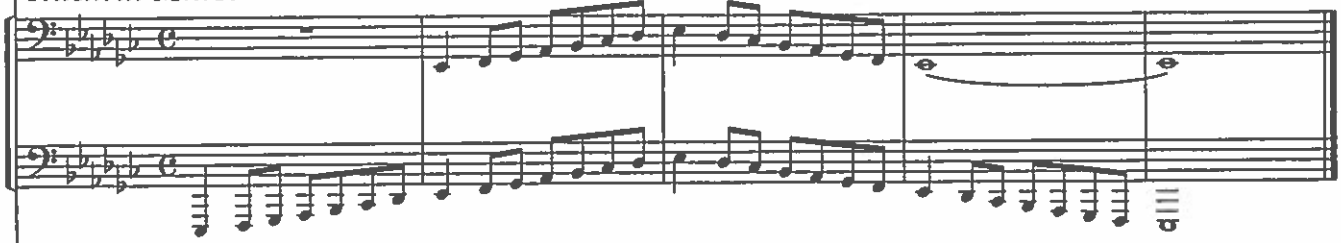


Technical Exercises in the Key of E♭

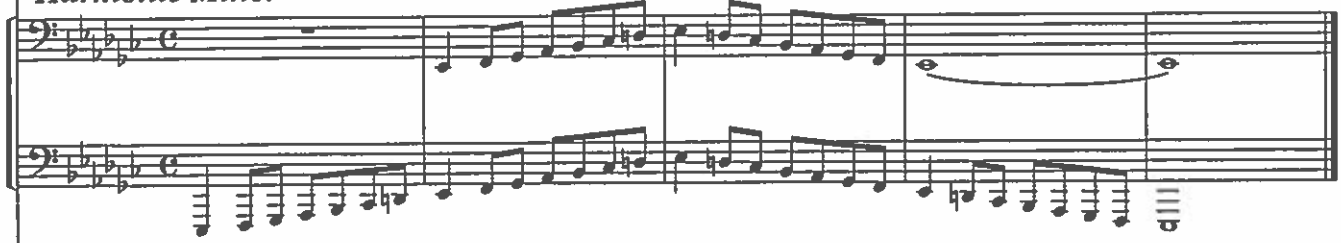
Major Scale



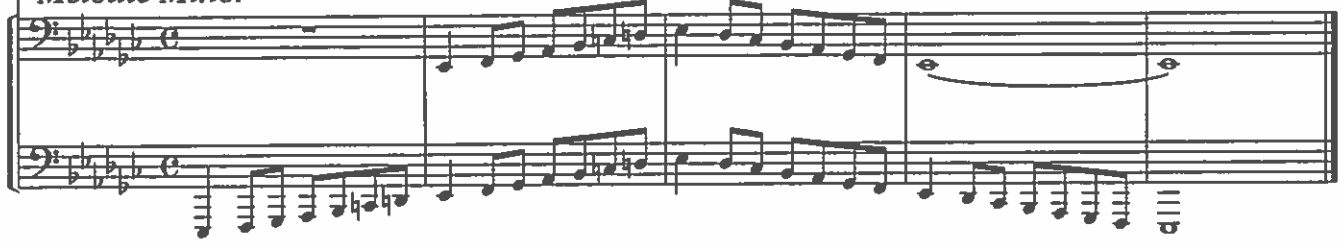
Natural Minor



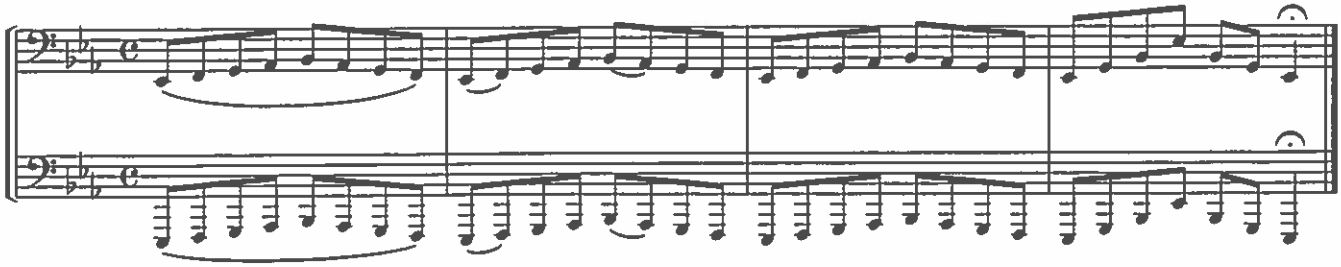
Harmonic Minor



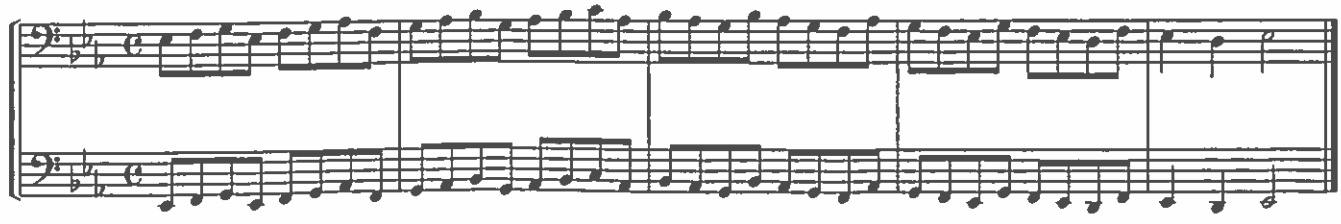
Melodic Minor



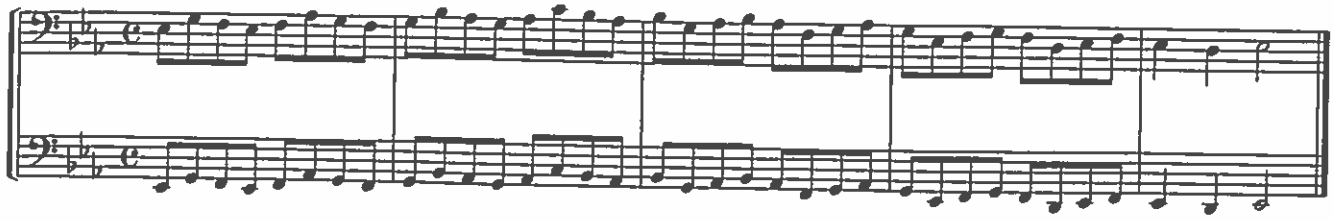
Mini-Scale & Tonic Arpeggio



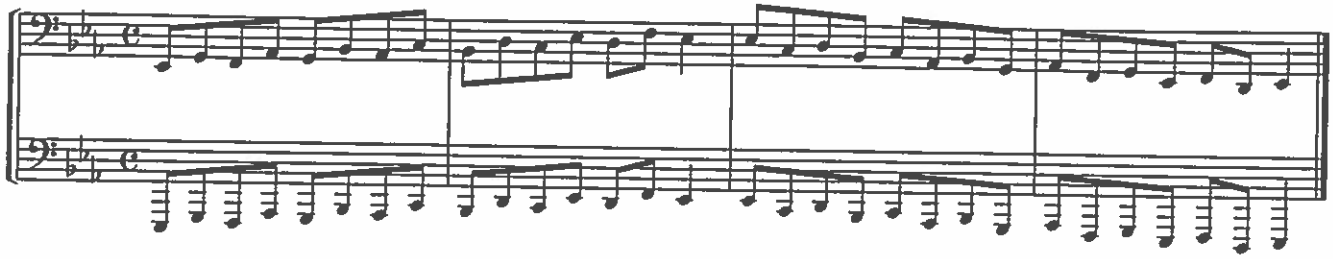
Scale Pattern 1 **articulations:*



*Scale Pattern 2**

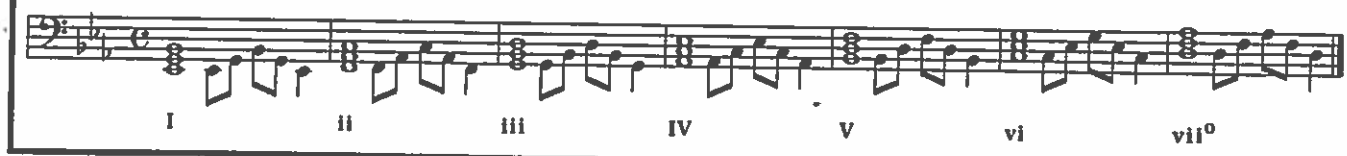


*Scale in Thirds**

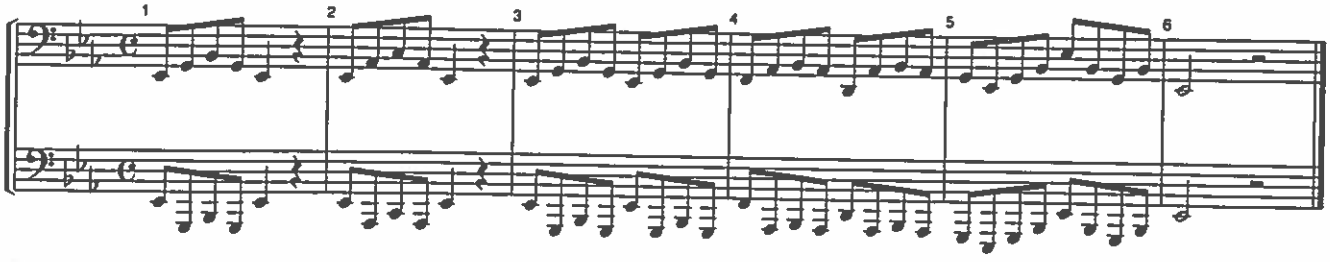


Interval Study

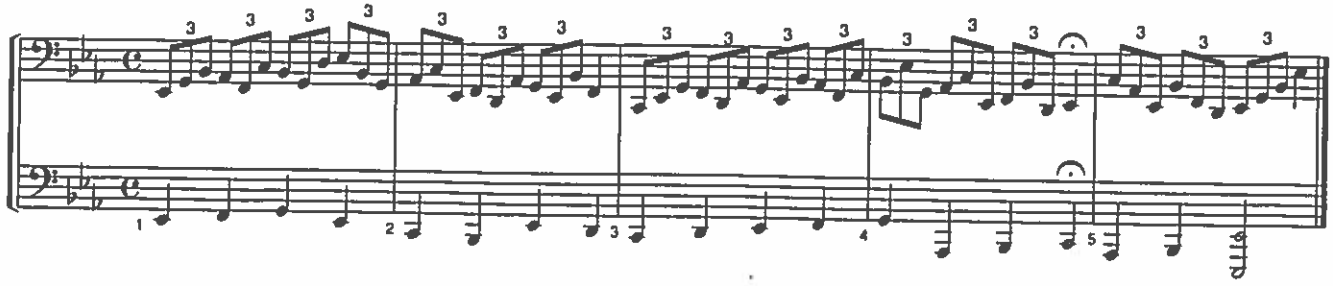
Triads of the E♭ Scale



*Chord Study 1**



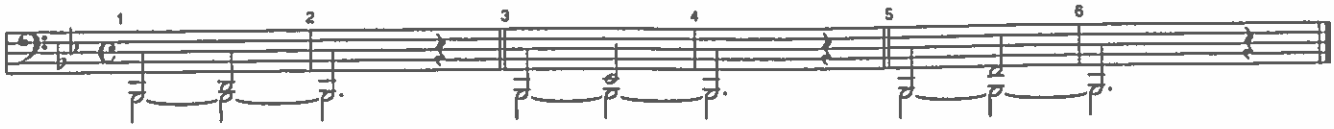
Chord Study 2 - articulations:



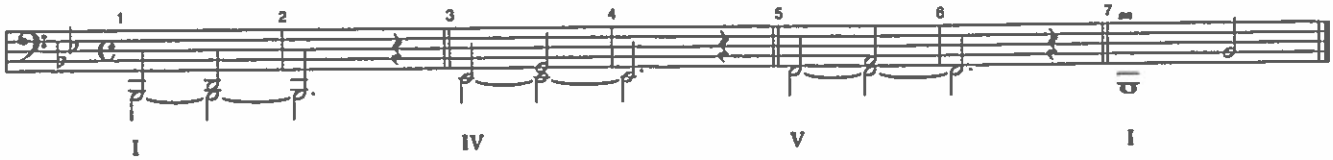
Chorales & Tuning Exercises in B♭

Interval Tuning

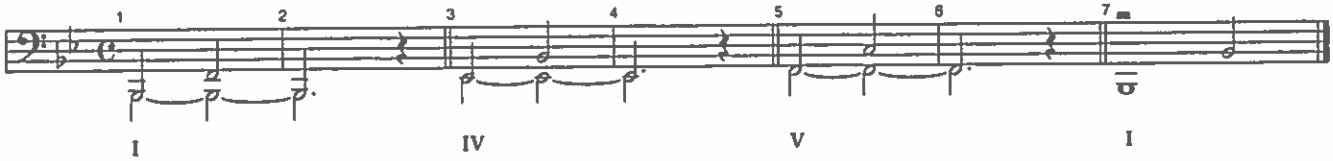
1 *Intervals from tonic (major 3rd, perfect 4th, perfect 5th)*



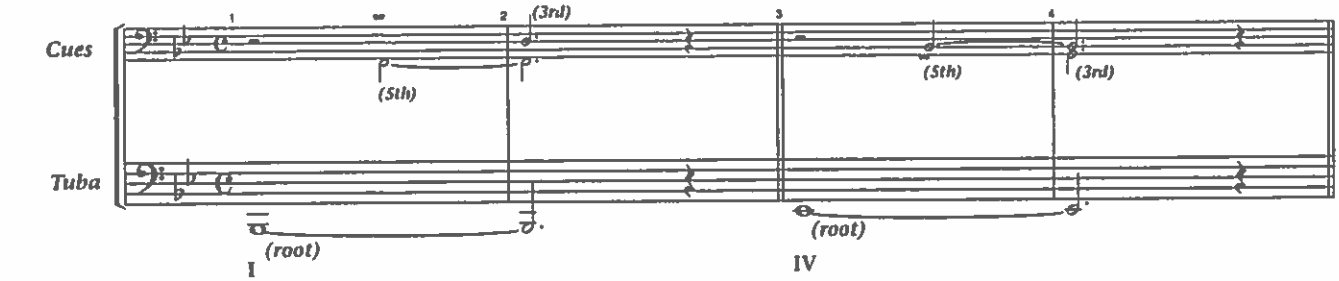
2 *Intervals of a major 3rd on the I-IV-V-I chord progression*

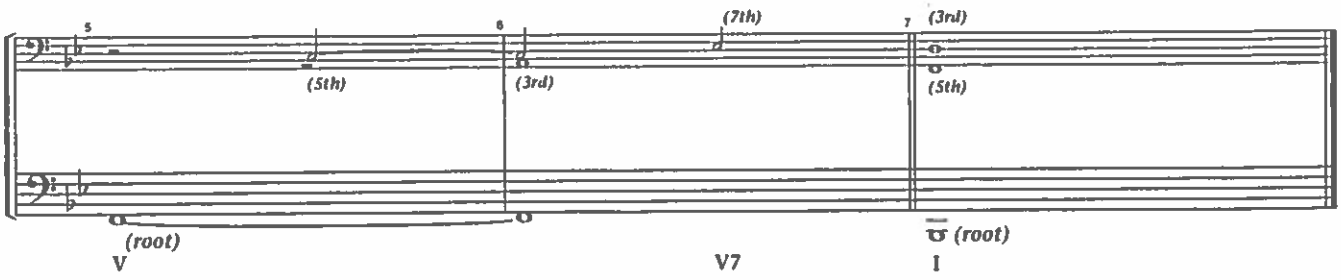


3 *Intervals of a perfect 5th on the I-IV-V-I chord progression*

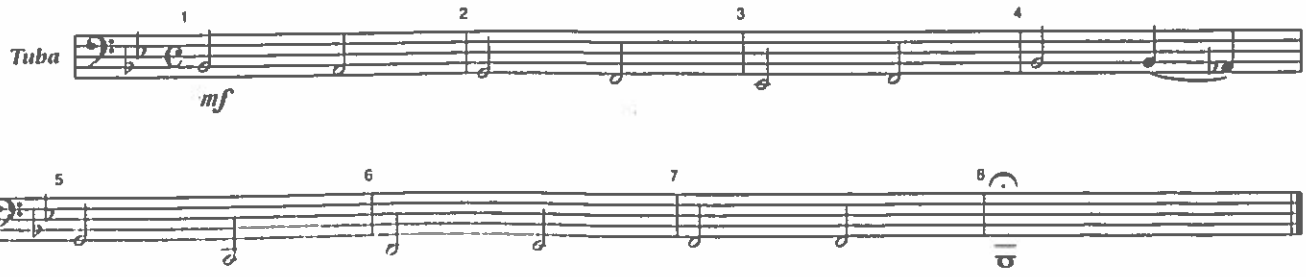


Chord Tuning

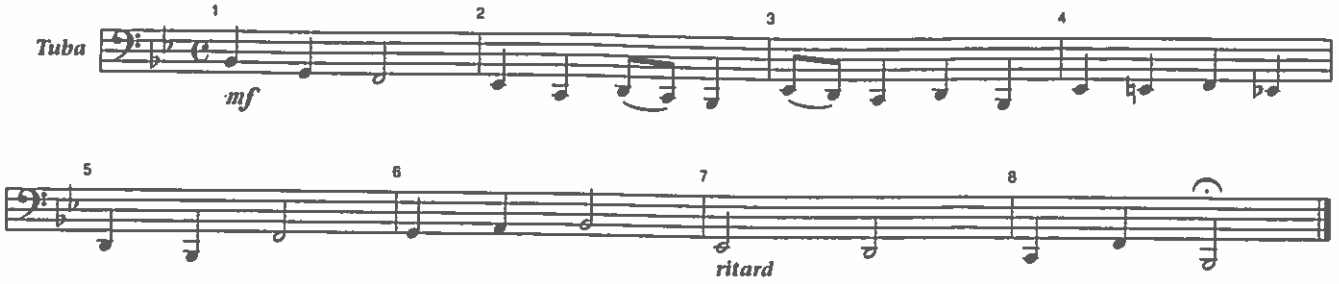




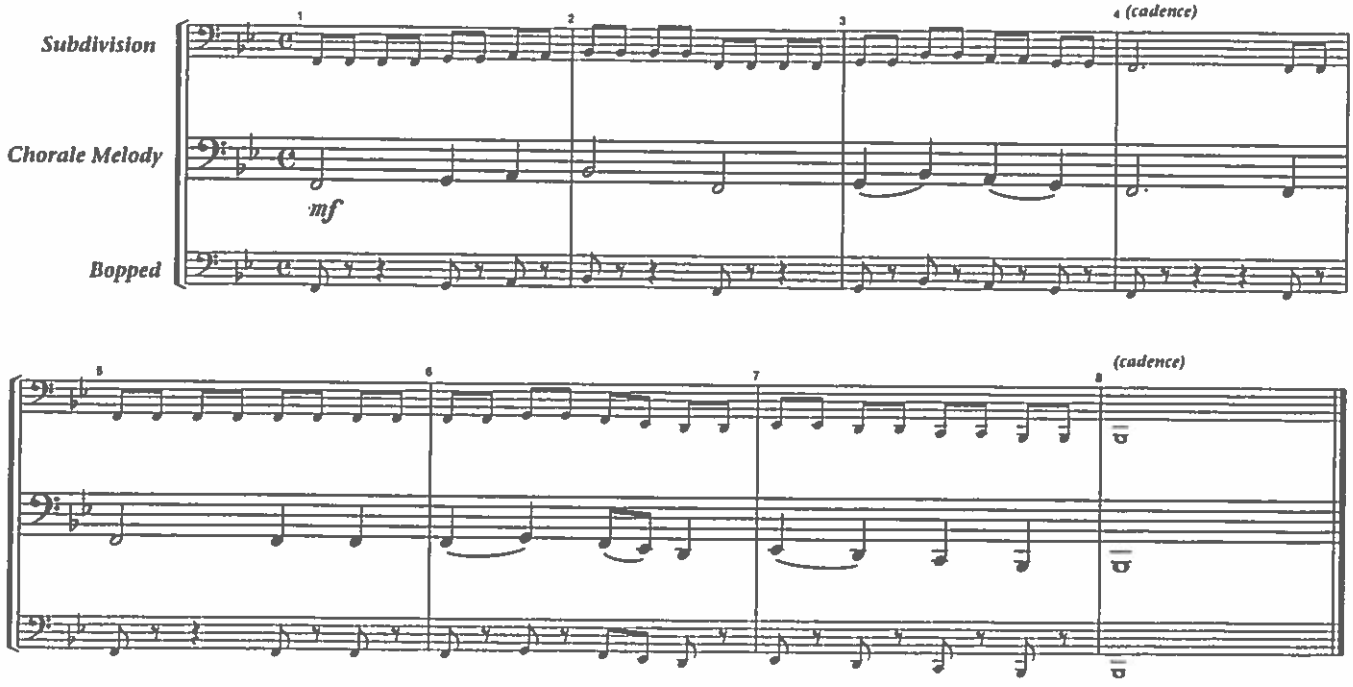
Chorale 1 (full band)



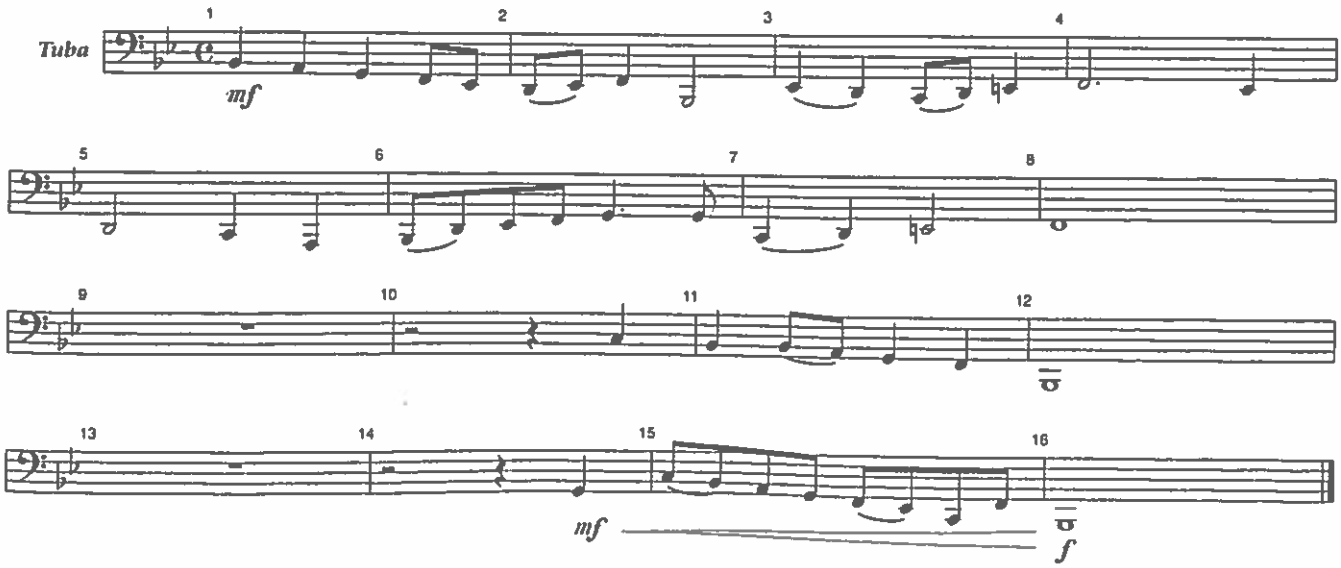
Chorale 2 (full band)



Chorale Melody on Chester



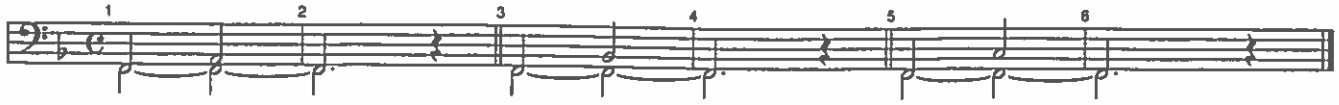
Chester Chorale (full band)



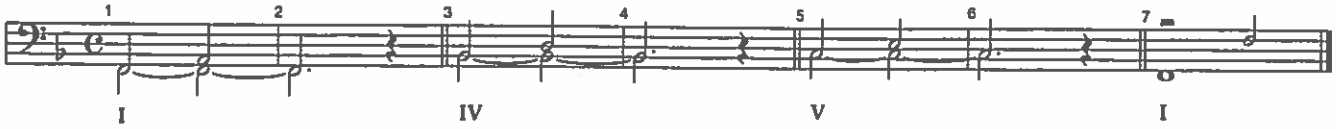
Chorales & Tuning Exercises in F

Interval Tuning

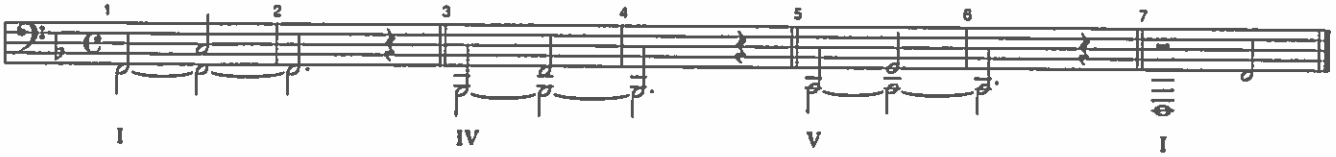
1 Intervals from tonic (major 3rd, perfect 4th, perfect 5th)



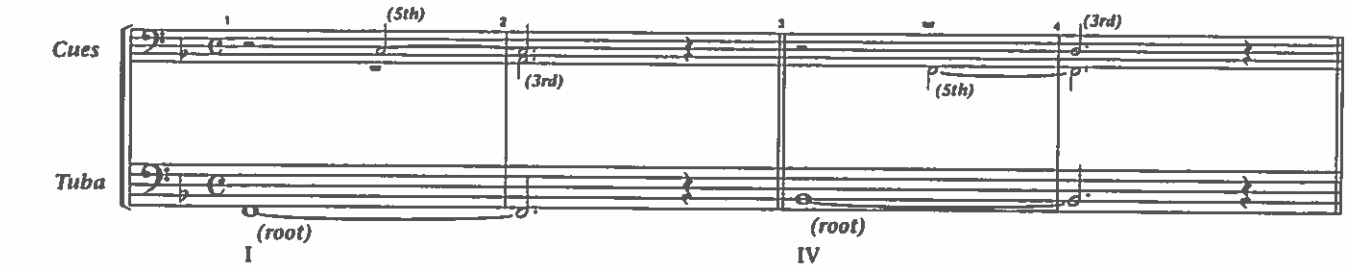
2 Intervals of a major 3rd on the I-IV-V-I chord progression

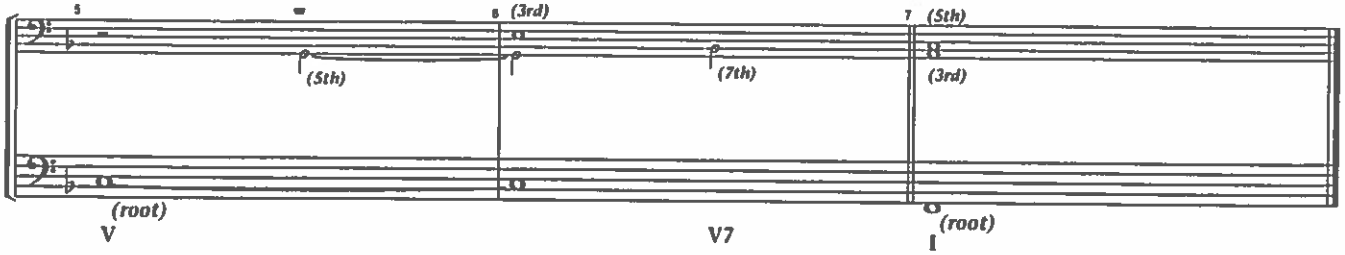


3 Intervals of a perfect 5th on the I-IV-V-I chord progression

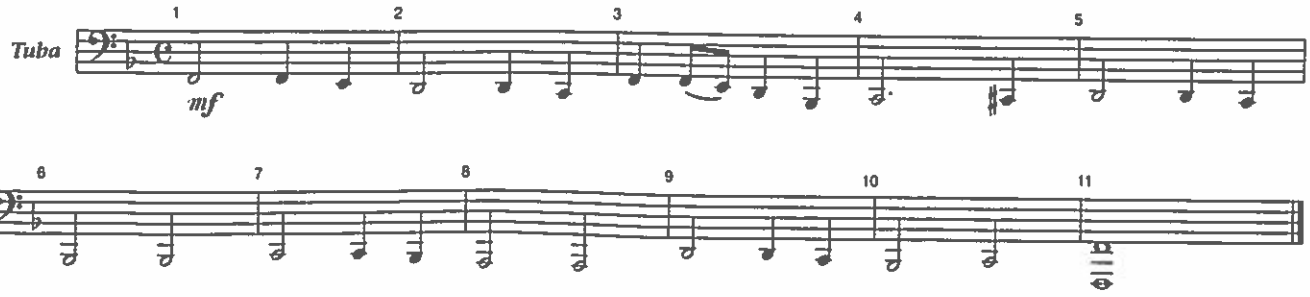


Chord Tuning

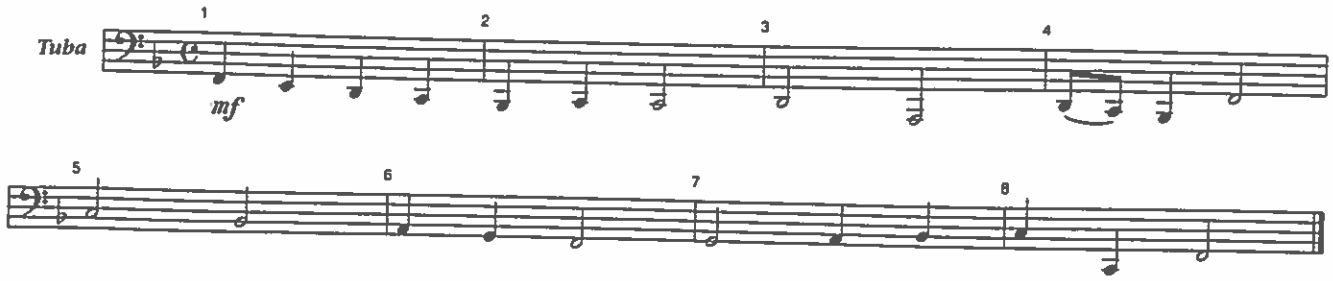




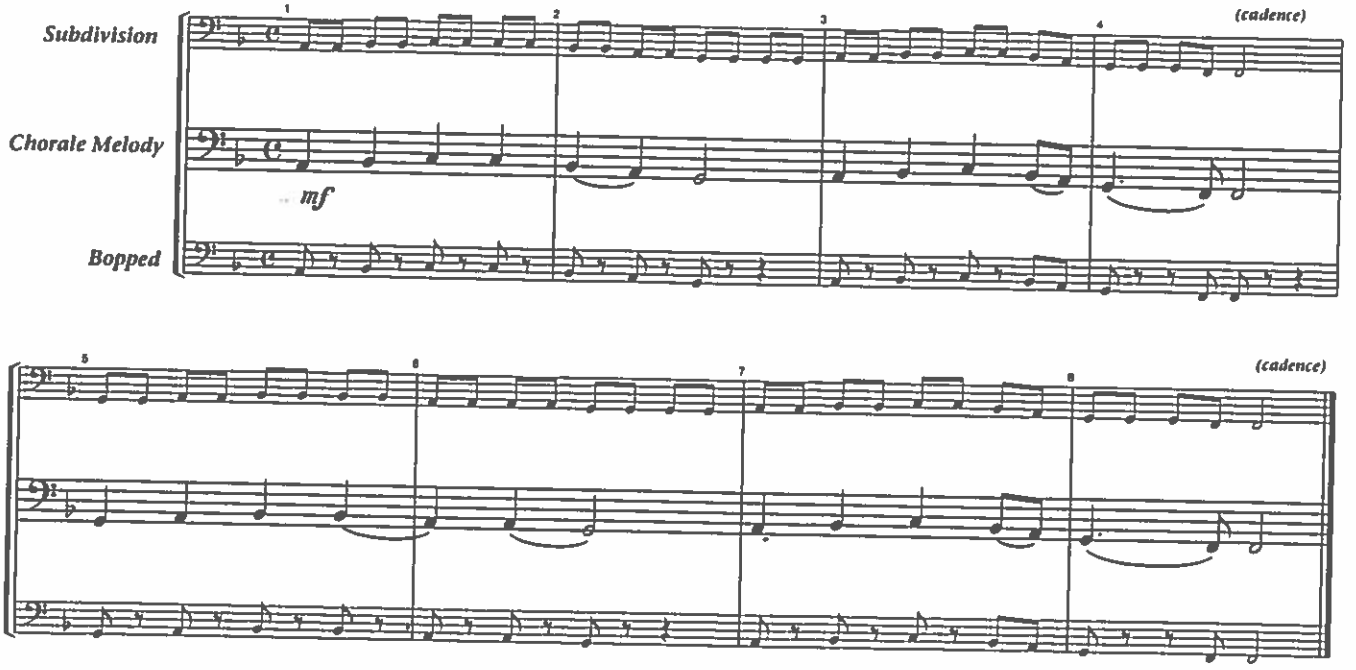
Chorale 3 (full band)



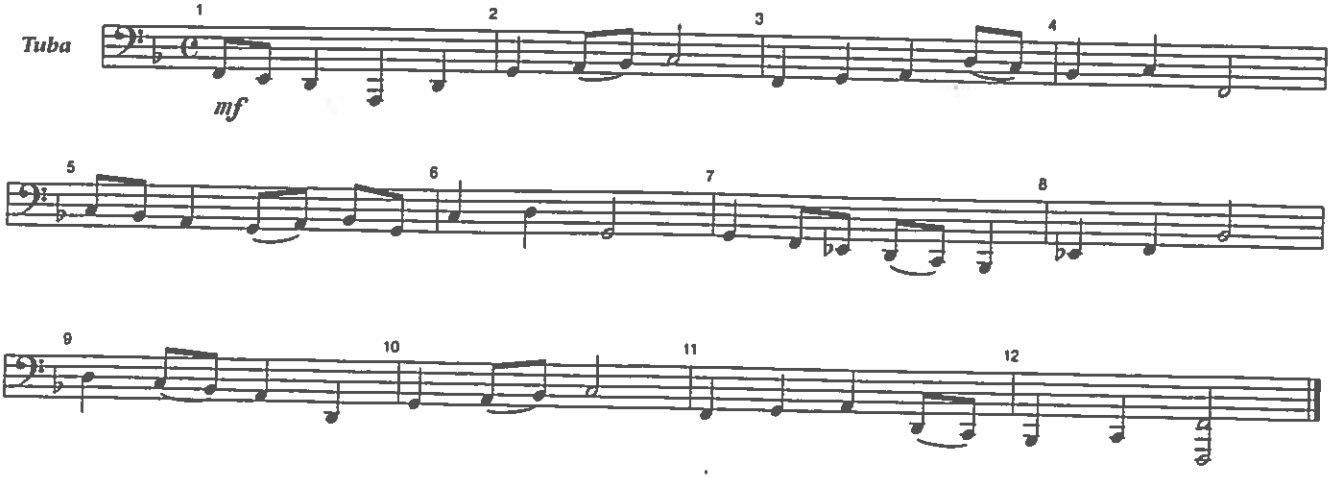
Chorale 4 (full band)



Chorale Melody on Bach 95

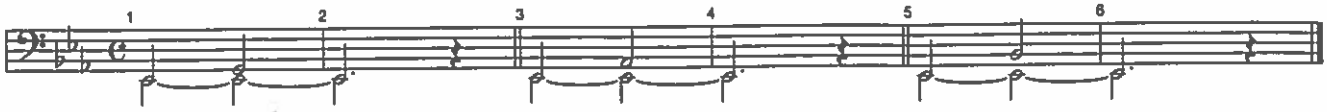


Bach 95 (full band)

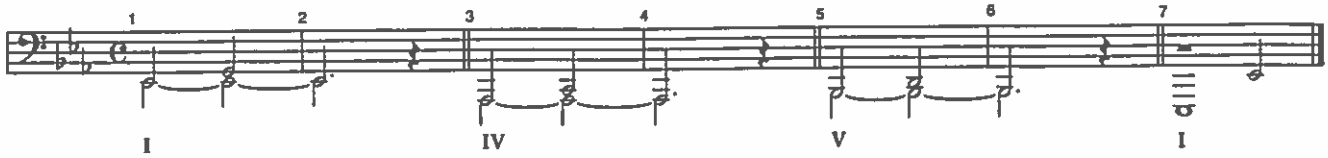


Interval Tuning

1 Intervals from tonic (major 3rd, perfect 4th, perfect 5th)

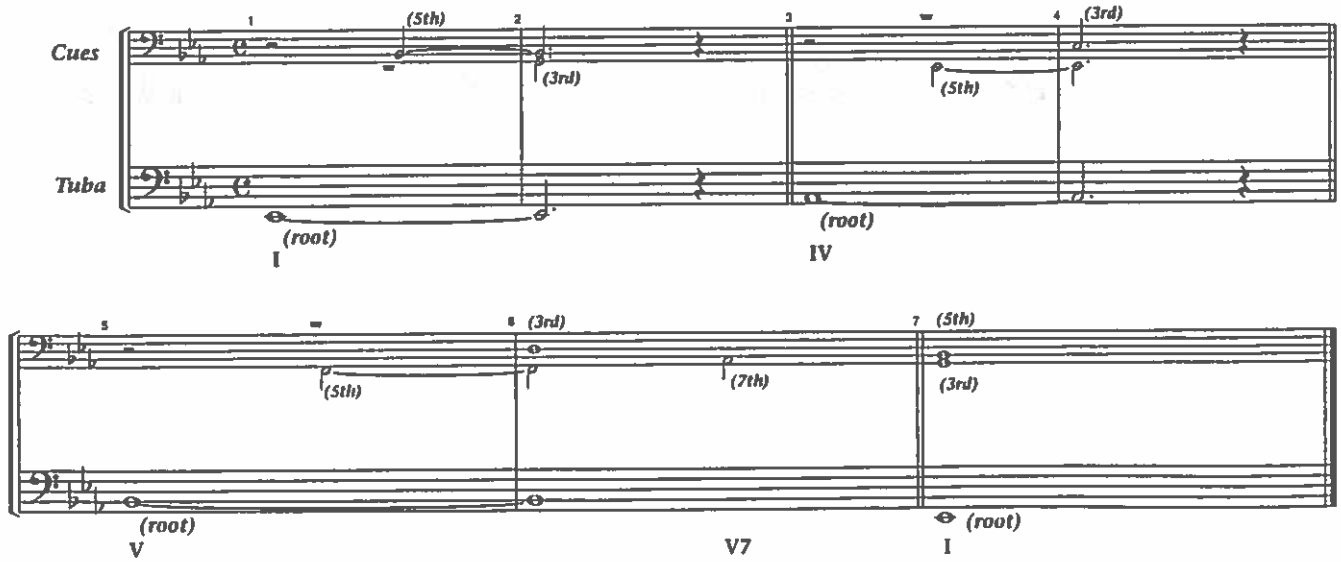


2 Intervals of a major 3rd on the I-IV-V-I chord progression

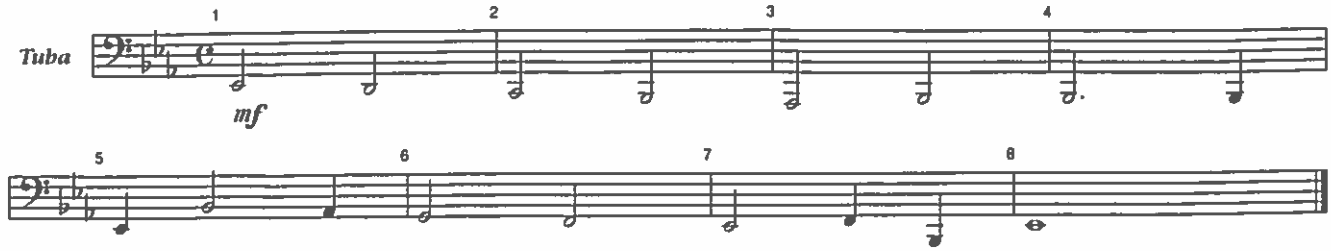


3 Intervals of a perfect 5th on the I-IV-V-I chord progression

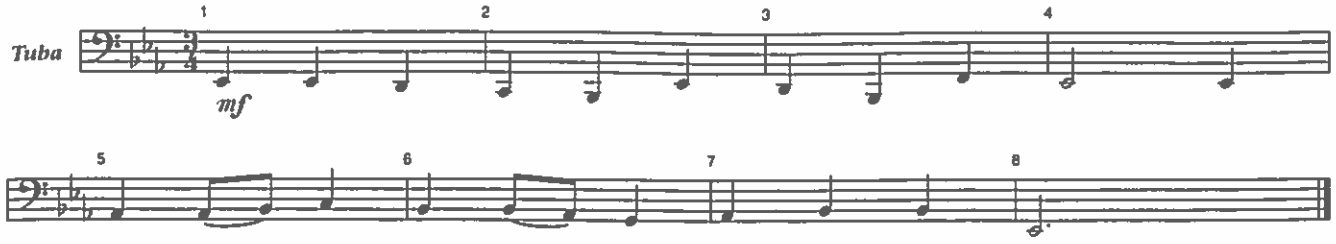
Chord Tuning



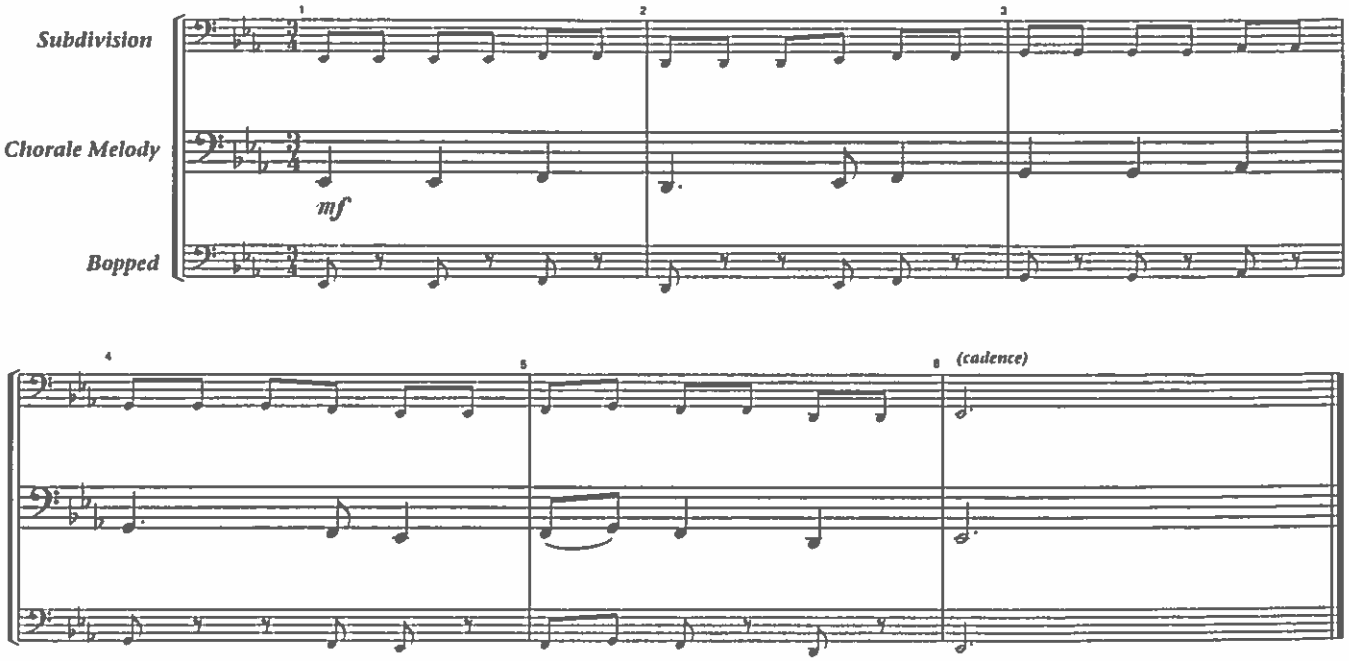
Chorale 5 (full band)



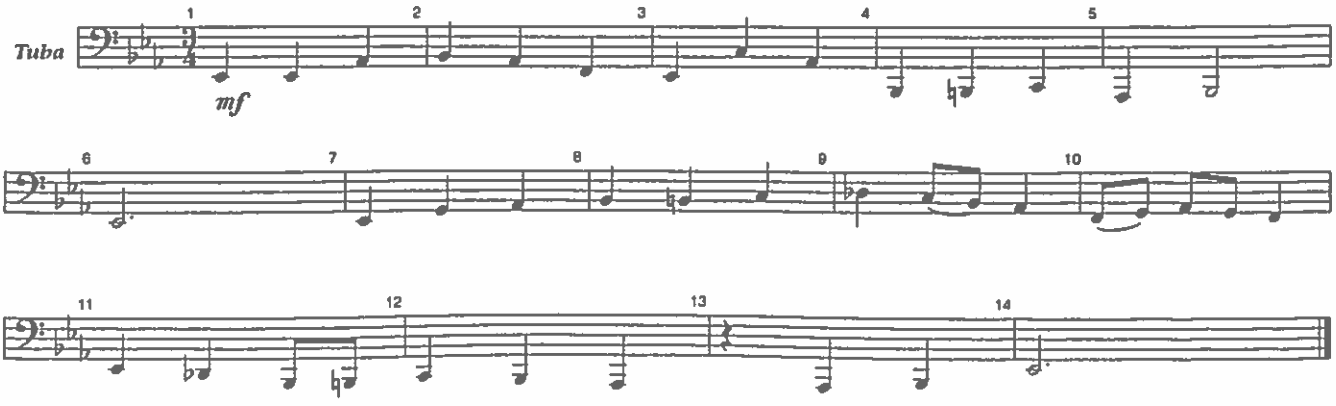
Chorale 6 (full band)



Chorale Melody on America

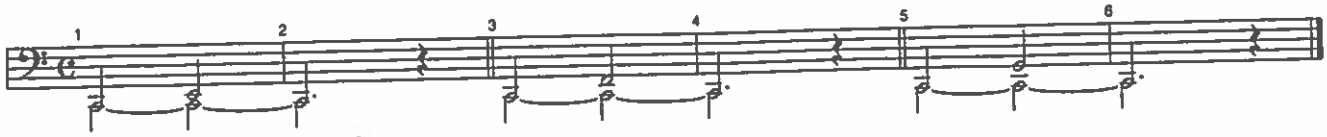


America (full band)

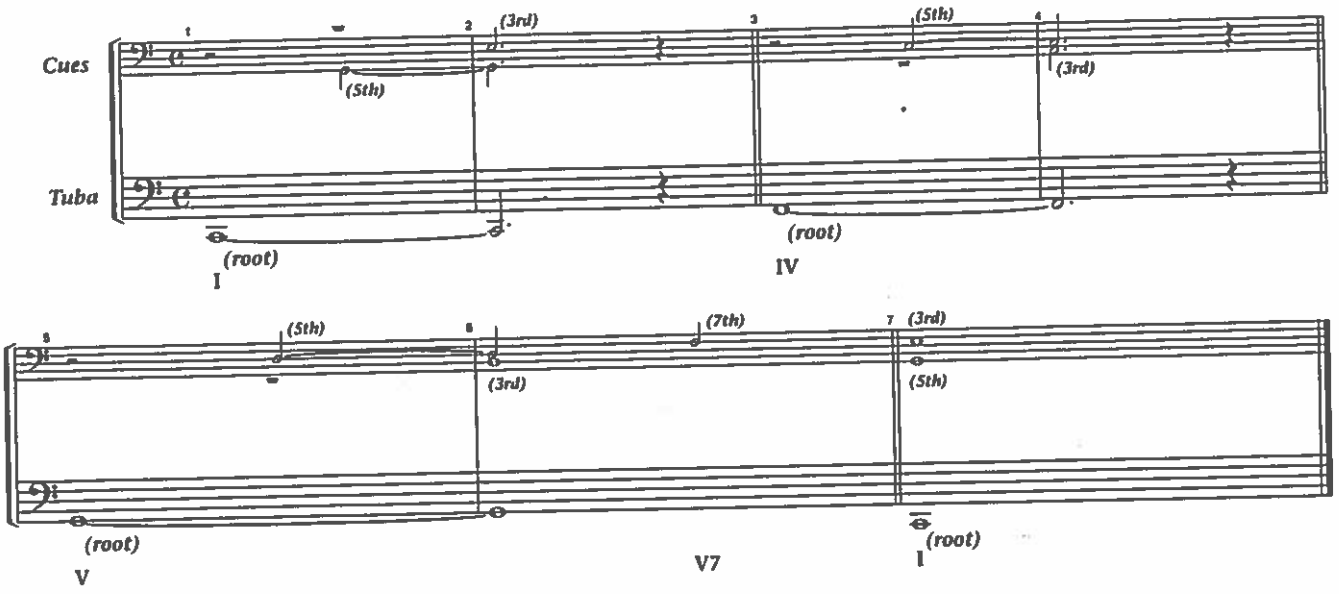


Interval Tuning

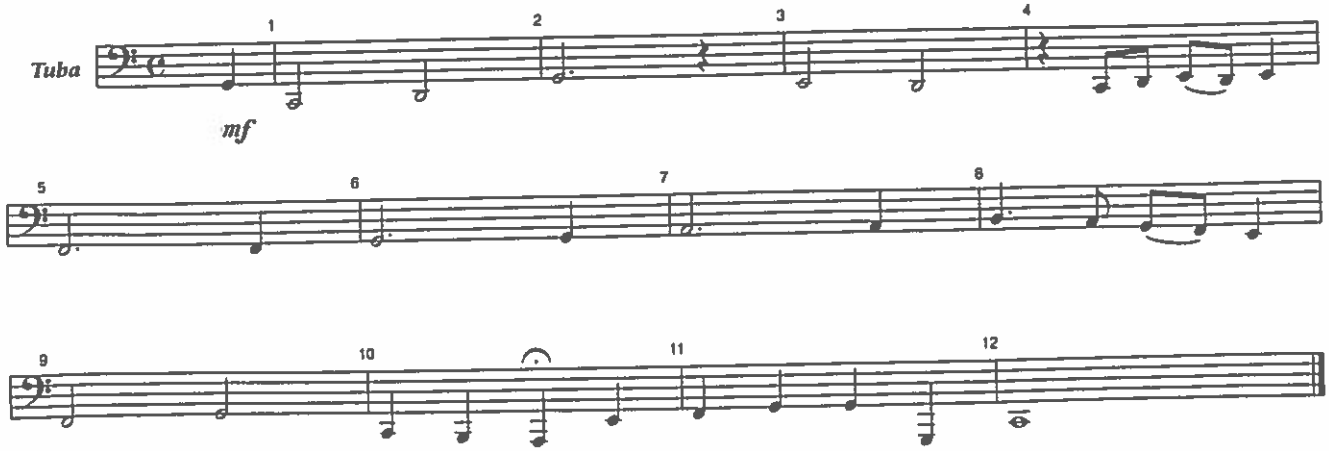
1 Intervals from tonic (major 3rd, perfect 4th, perfect 5th)



Chord Tuning



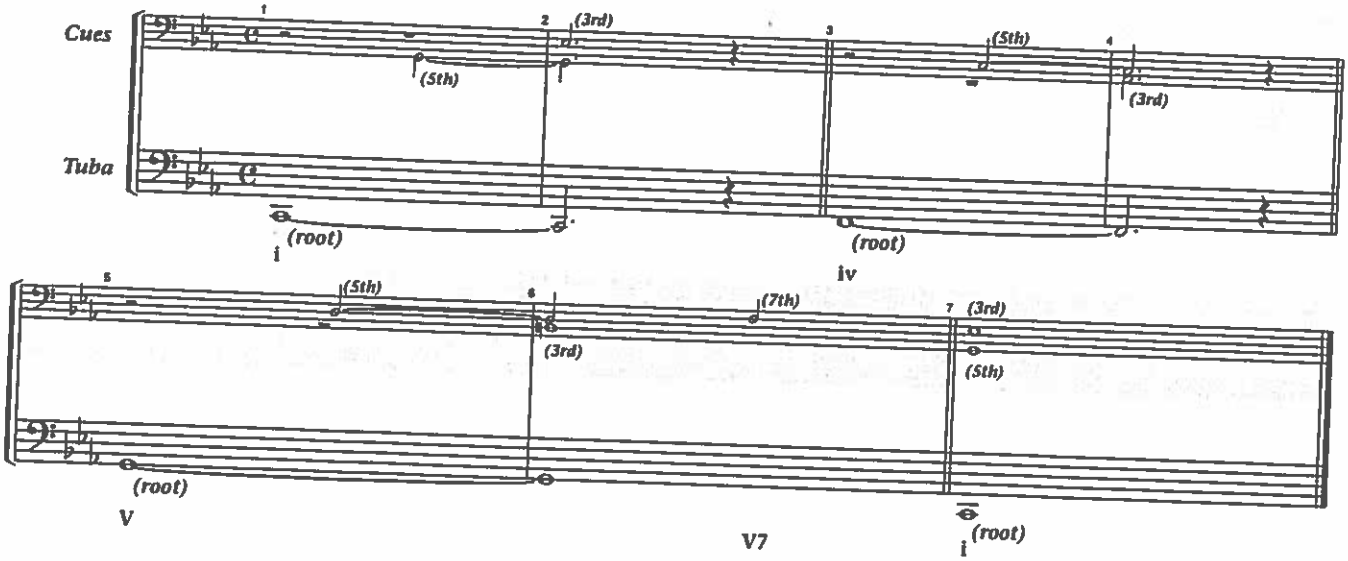
Air (full band)



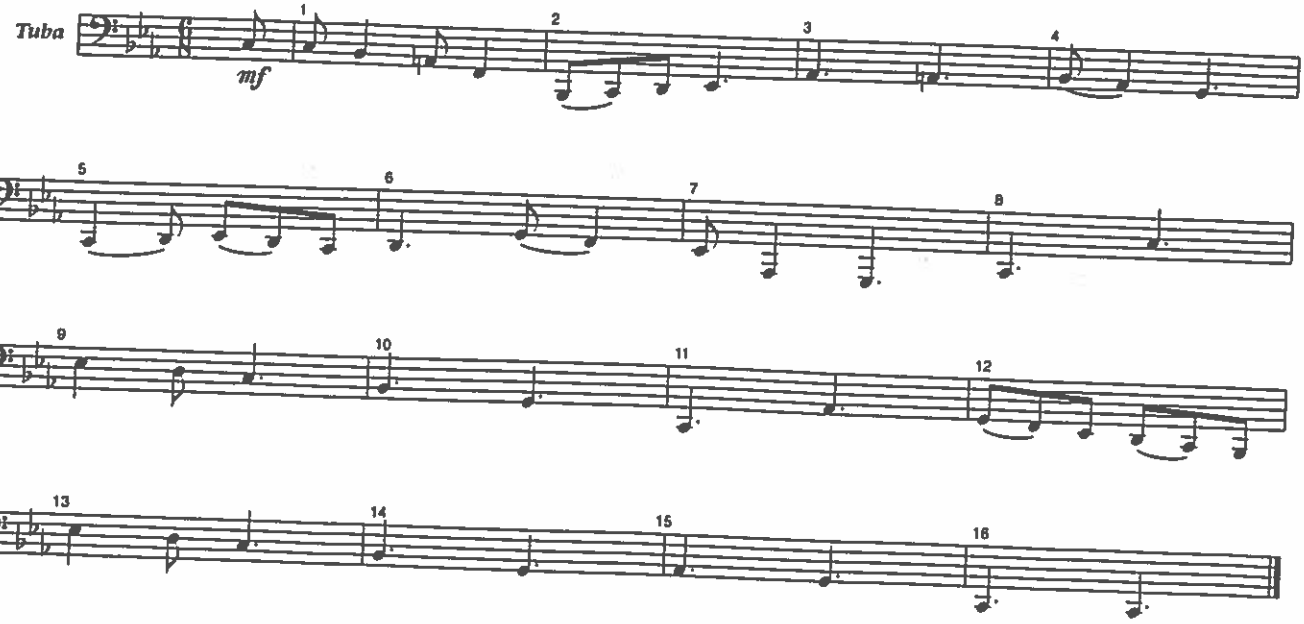
Interval Tuning

1 Intervals from tonic (minor 3rd, perfect 4th, perfect 5th)

Chord Tuning



Greensleeves (full band)

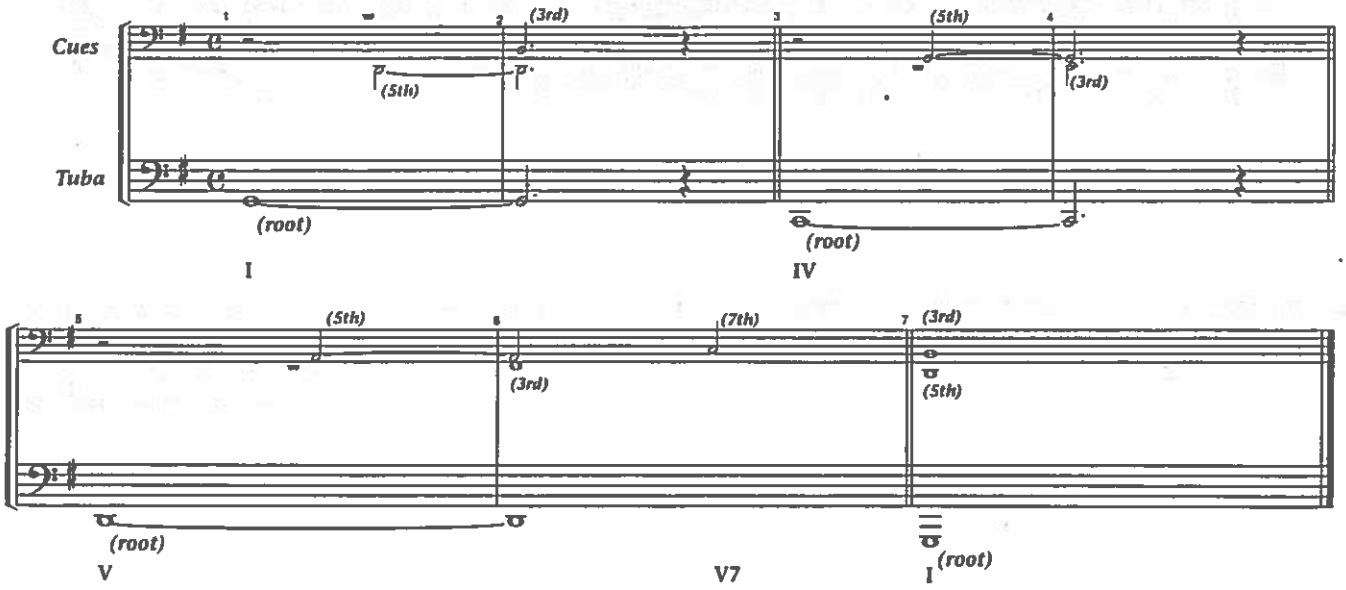


Chorale & Tuning Exercises in G

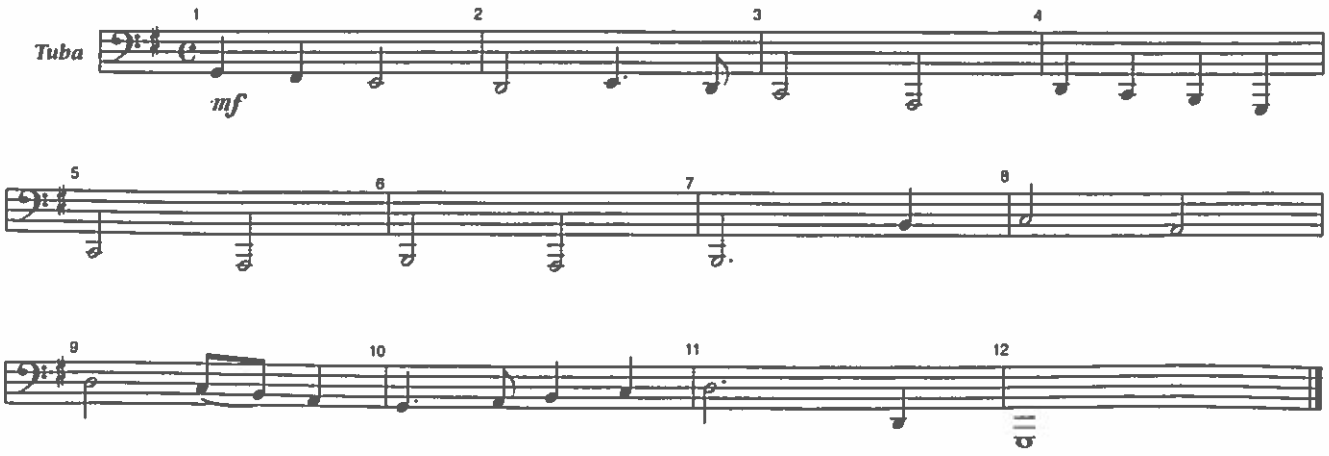
Interval Tuning

1 Intervals from tonic (major 3rd, perfect 4th, perfect 5th)

Chord Tuning



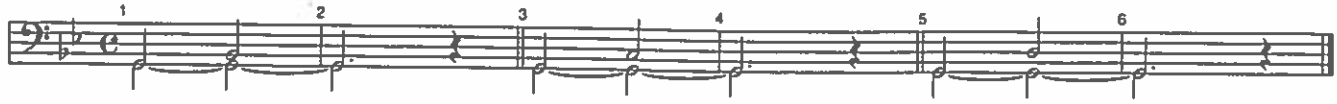
Pavane (full band)



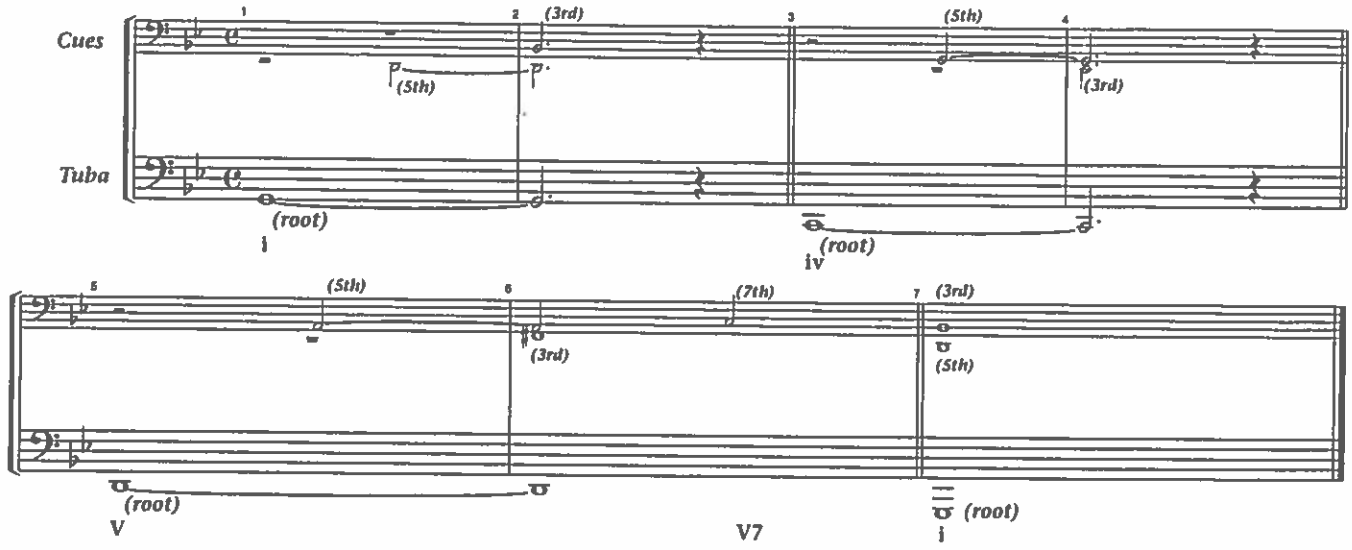
Chorale & Tuning Exercises in g minor

Interval Tuning

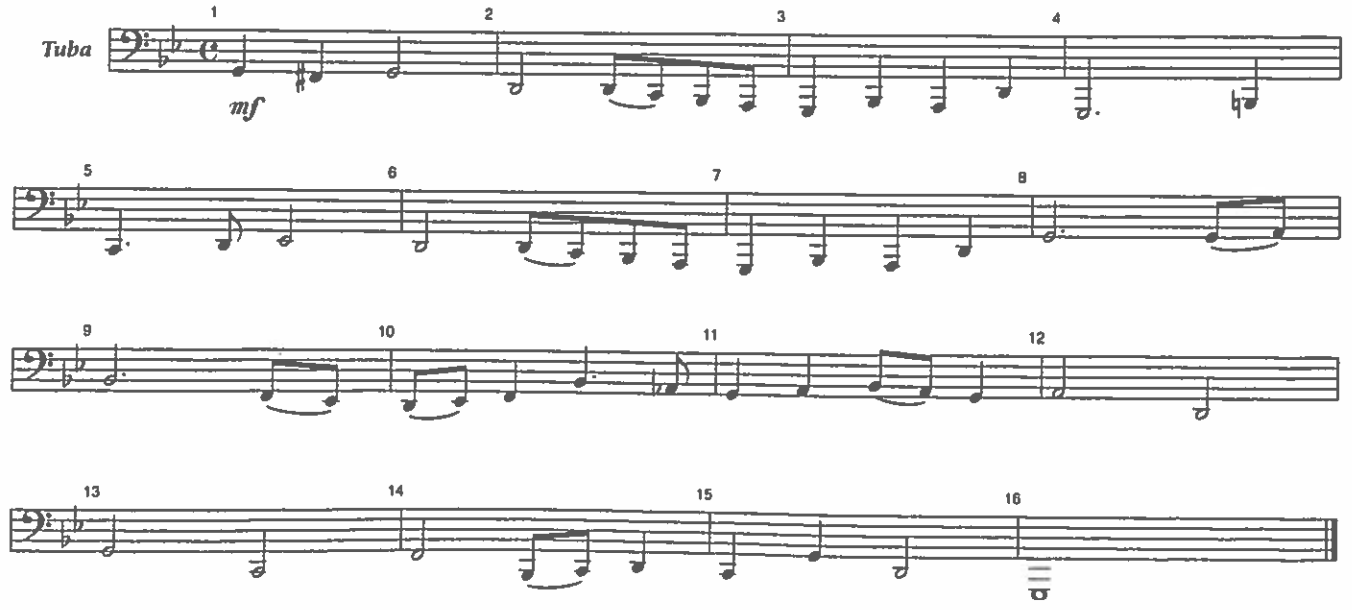
1 Intervals from tonic (minor 3rd, perfect 4th, perfect 5th)



Chord Tuning



The Queene's Alman (full band)

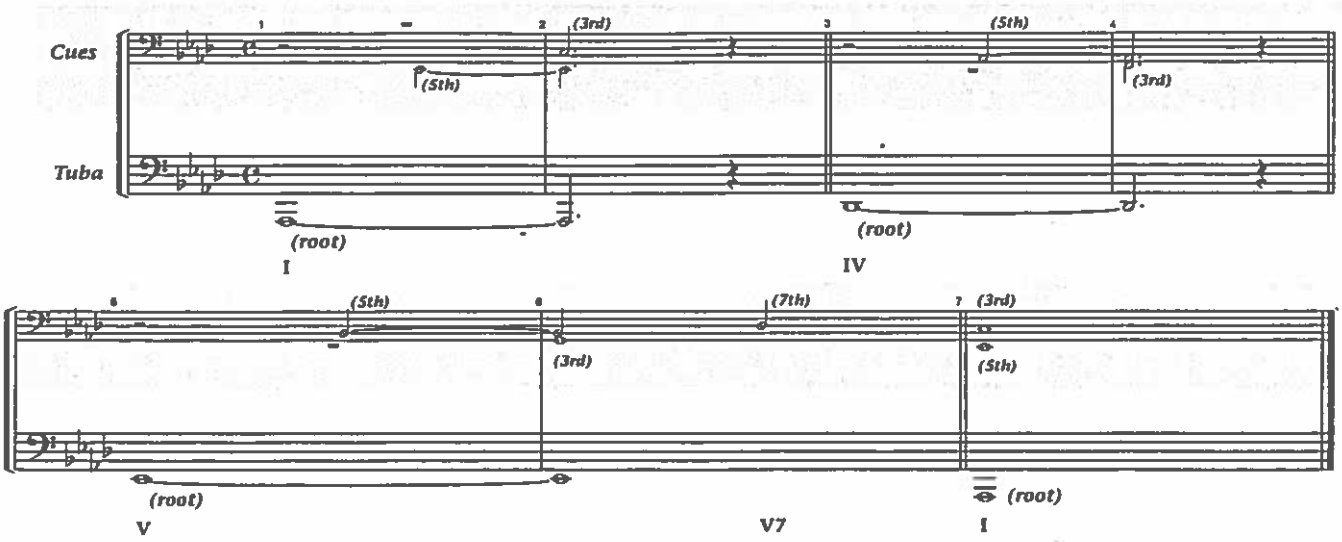


Chorale & Tuning Exercises in A♭

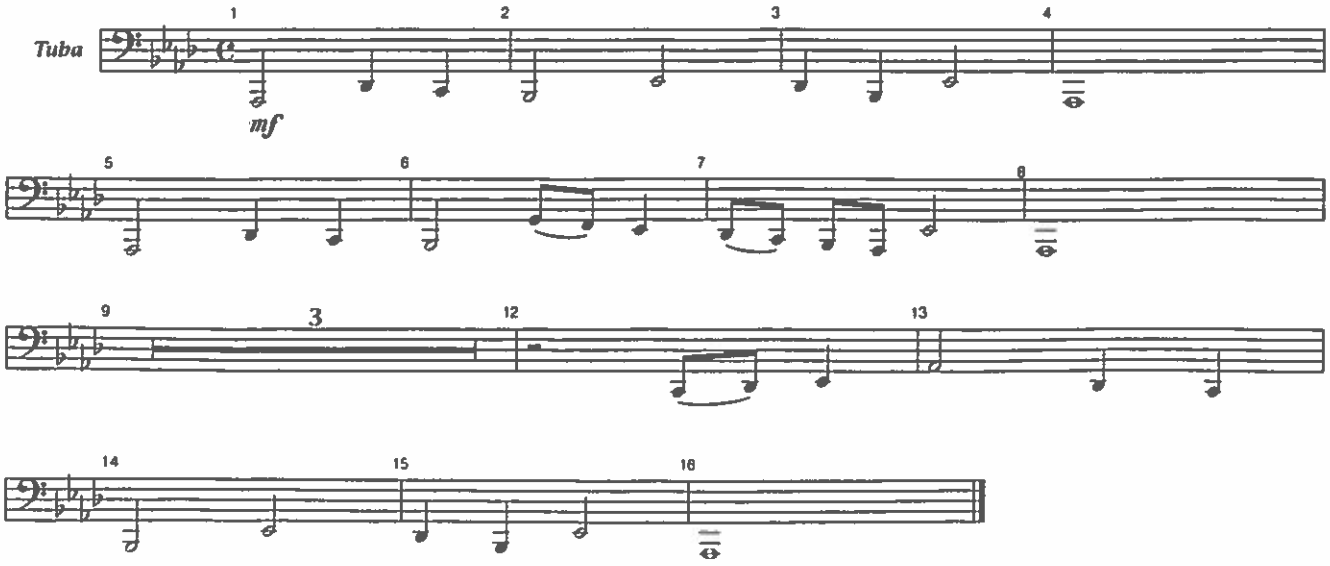
Interval Tuning

1 Intervals from tonic (major 3rd, perfect 4th, perfect 5th)

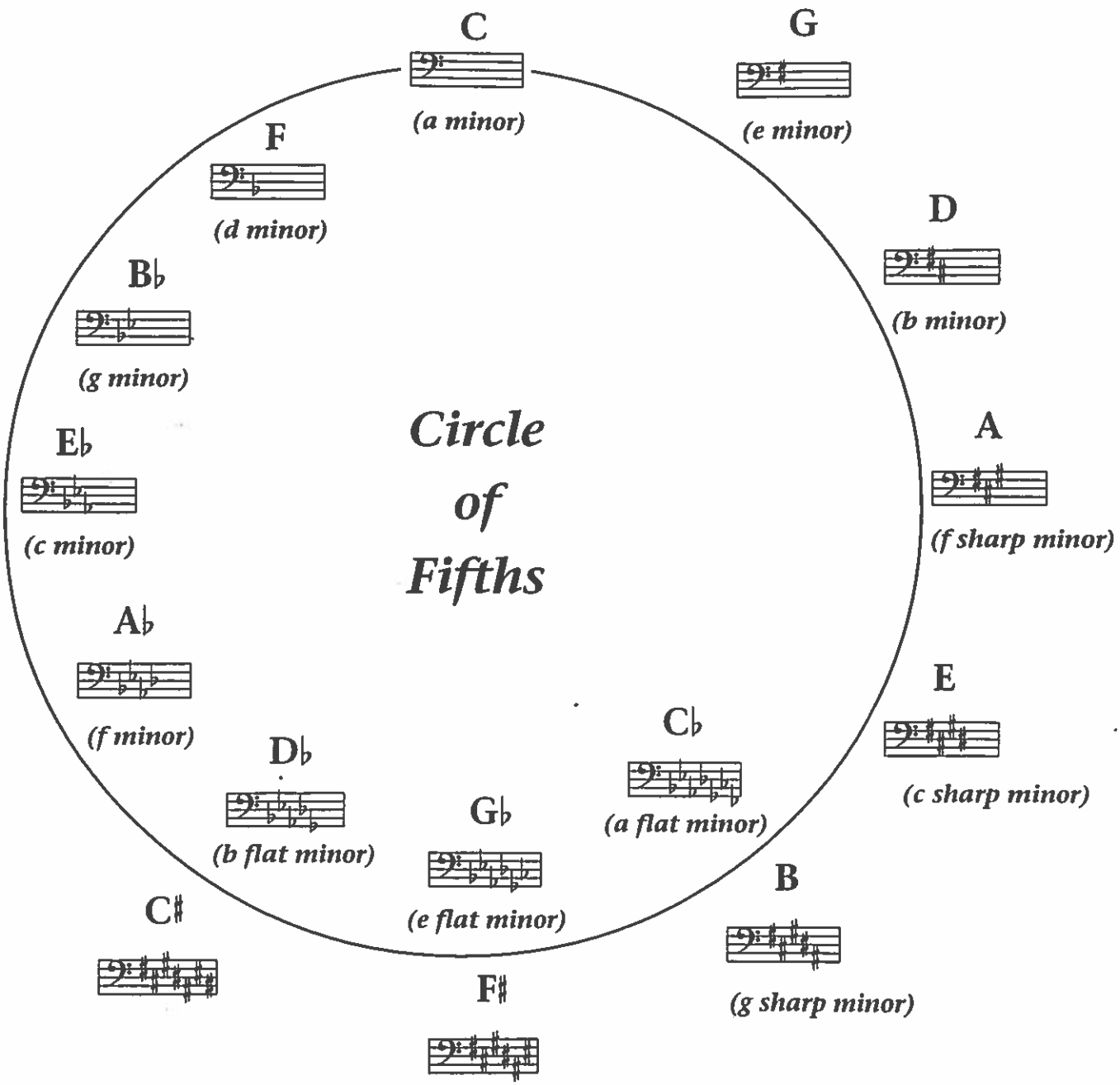
Chord Tuning



All Through the Night (full band)

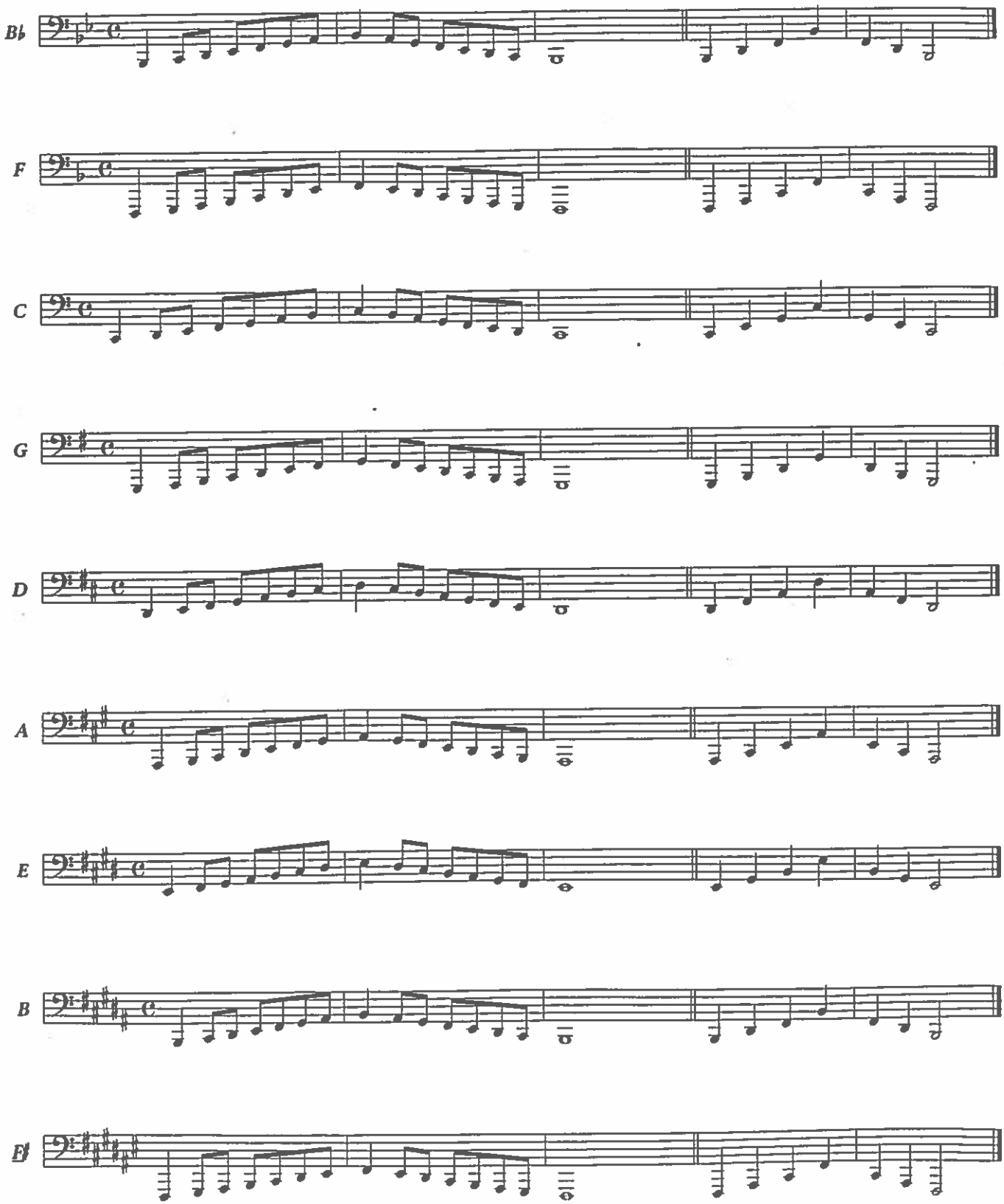


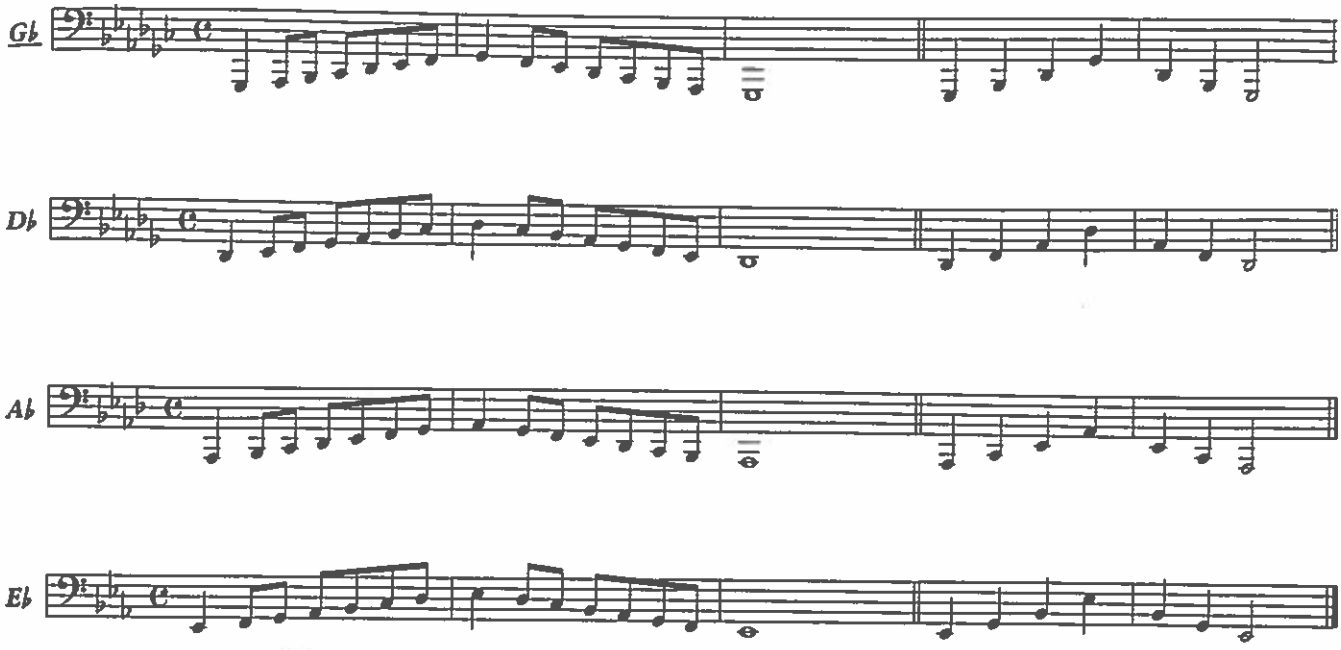
Appendix


Circle of Fifths
C
(a minor)
G
(e minor)
D
(b minor)
A
(f sharp minor)
E
(c sharp minor)
B
(g sharp minor)
F♯
C♯
G♭
(e flat minor)
D♭
(b flat minor)
A♭
(f minor)
E♭
(c minor)
B♭
(g minor)
F
(d minor)
C♭
(a flat minor)

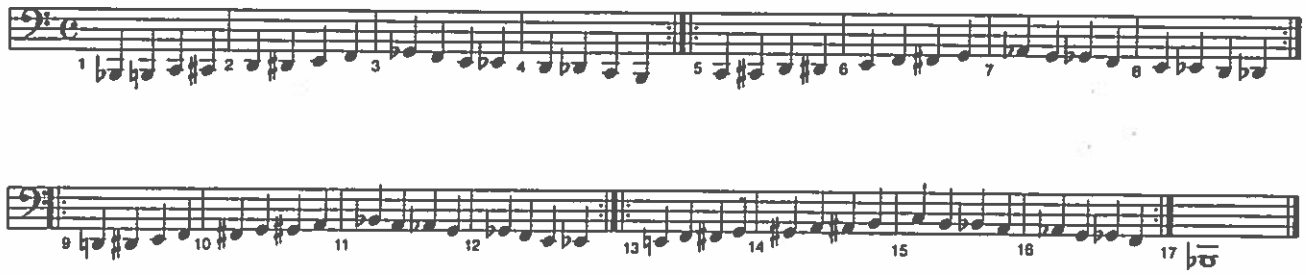
One Octave Scales & Arpeggios

In All Twelve Major Key Signatures

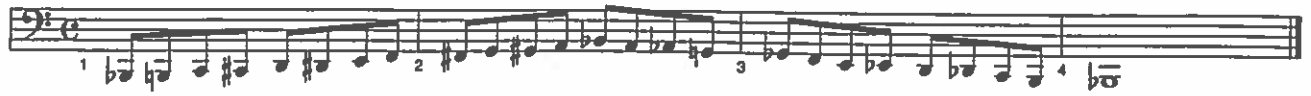




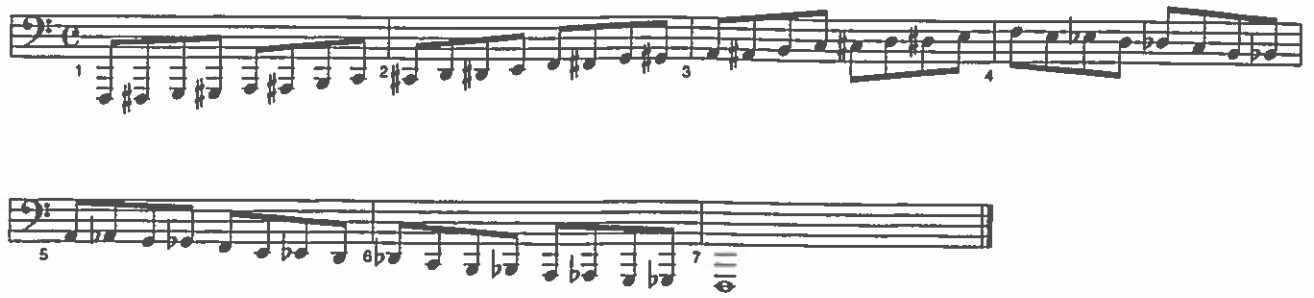
Chromatic Exercises



B♭ Chromatic Scale

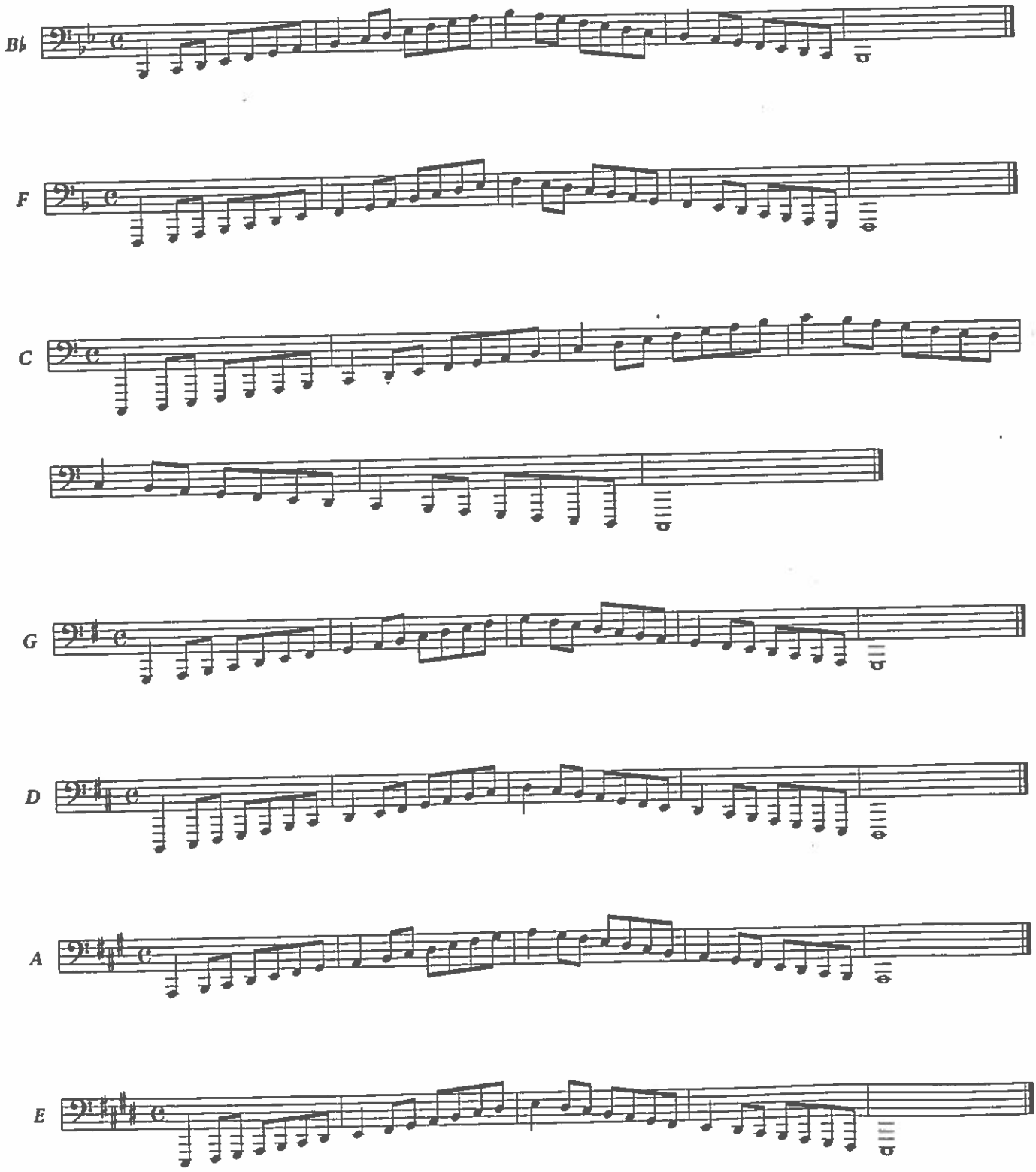


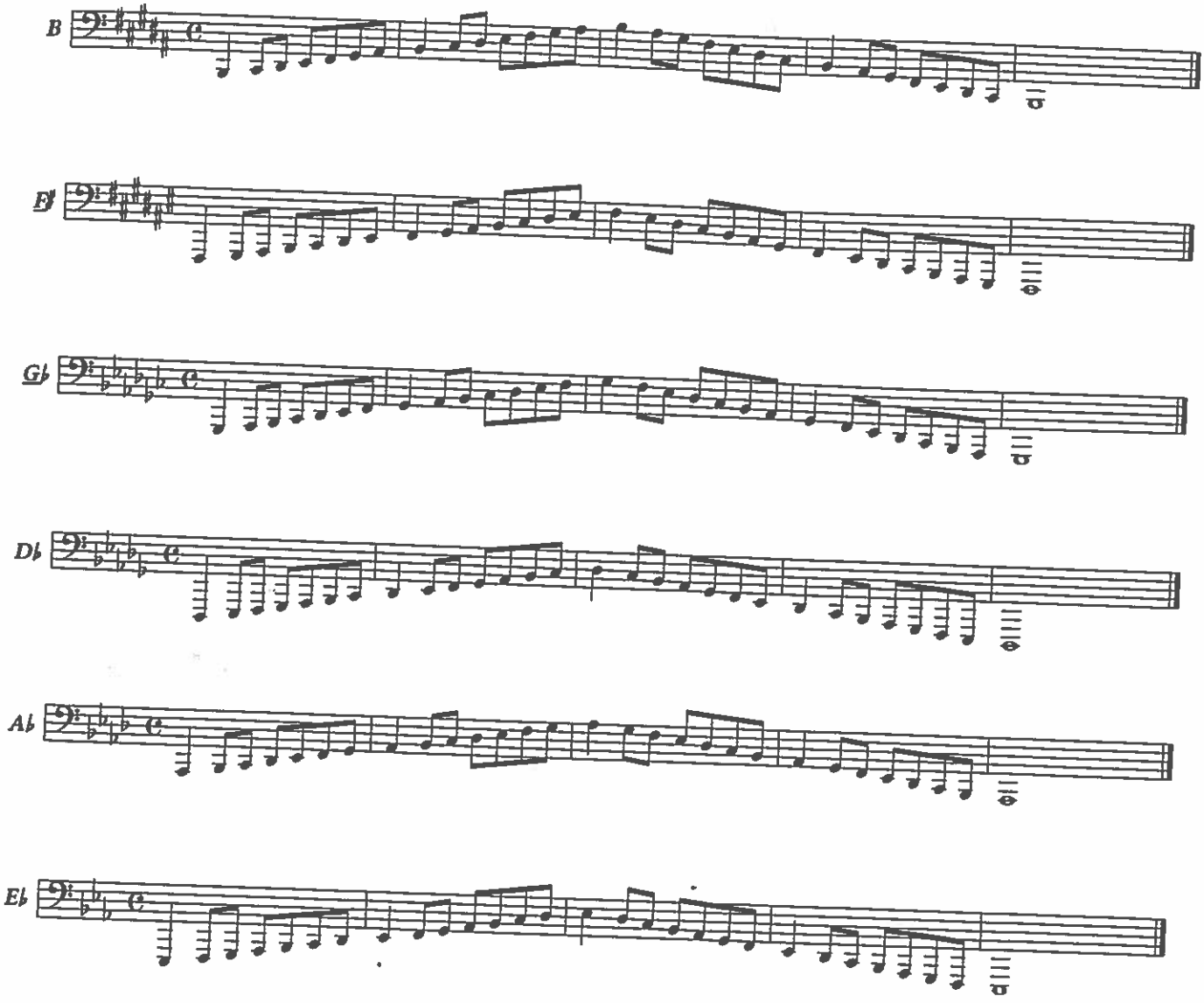
F Chromatic Scale



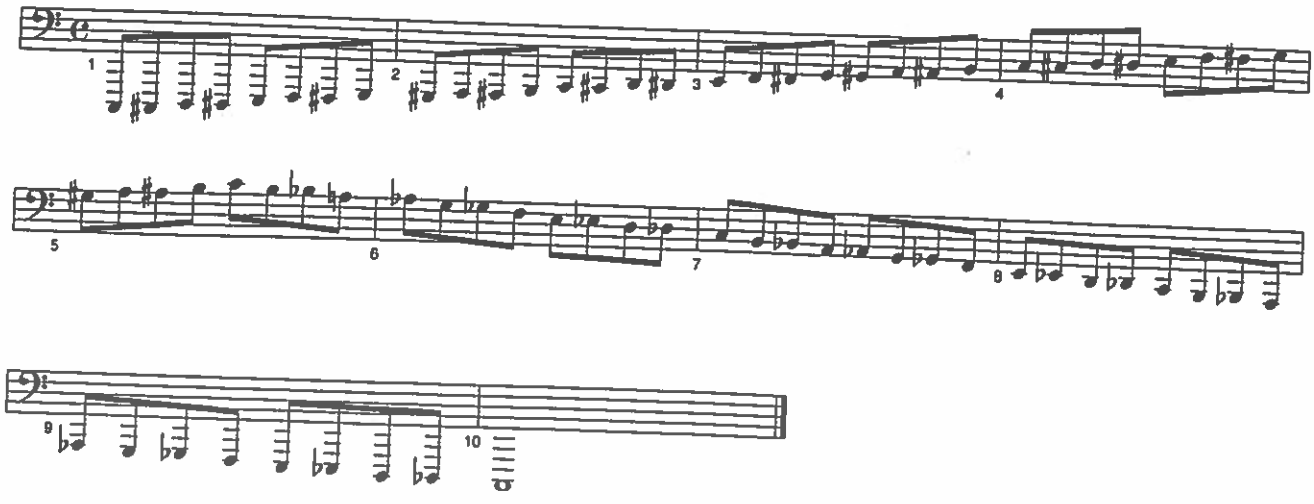
Full Range Scales

In All Twelve Major Key Signatures



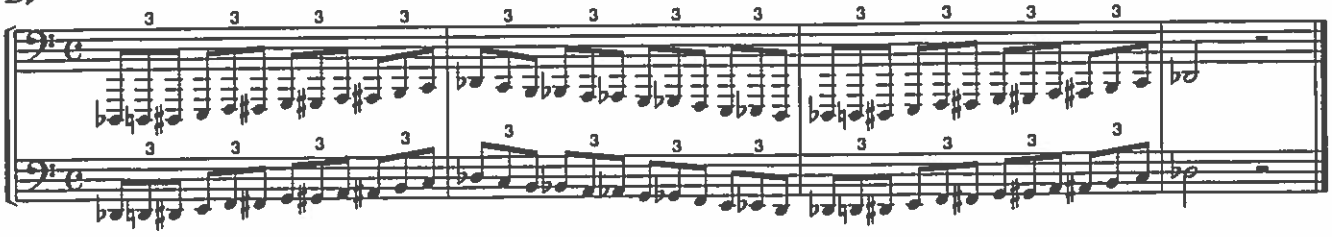


Full Range Chromatic - Tubas Only

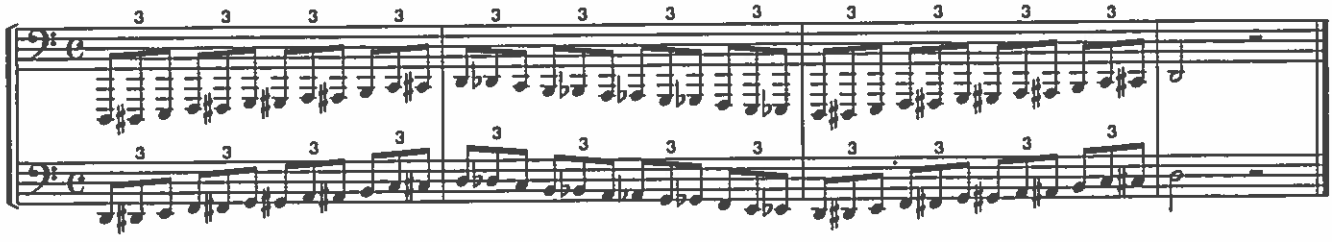


Chromatic Scales

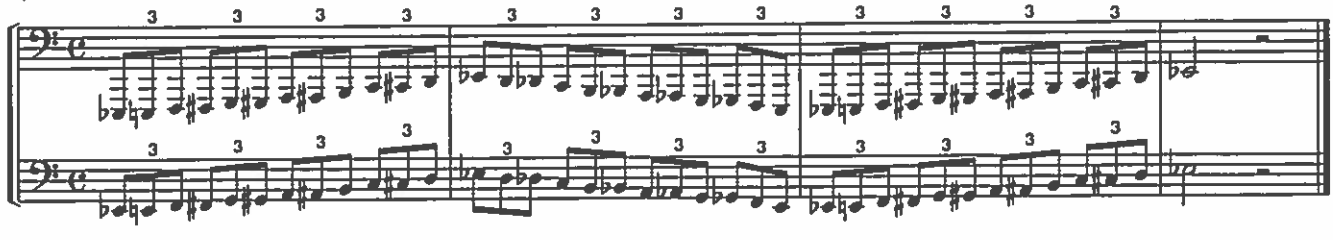
D♭



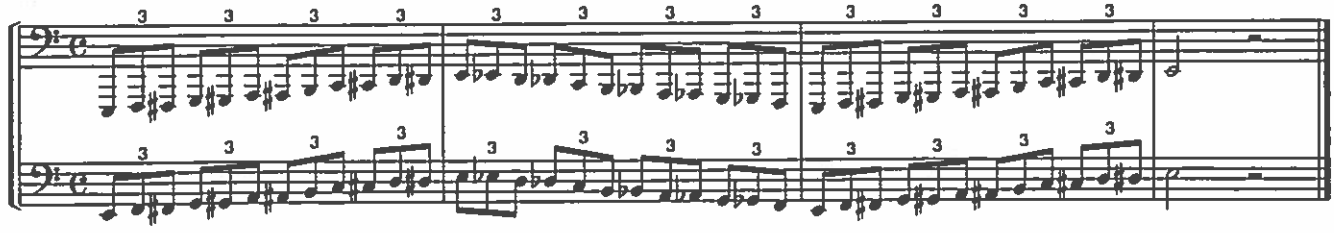
D



E♭



E



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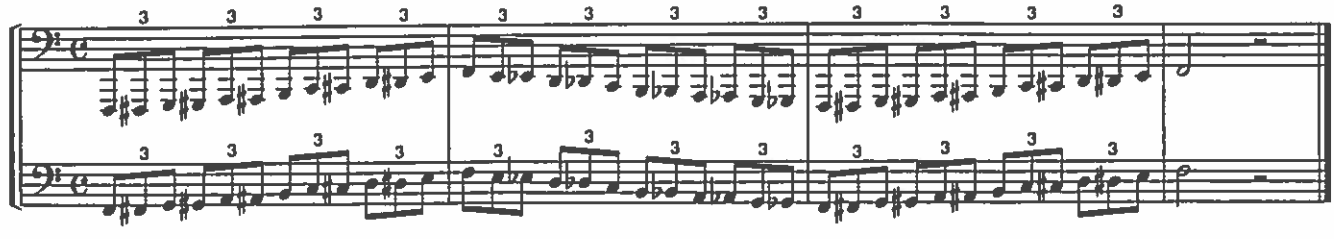
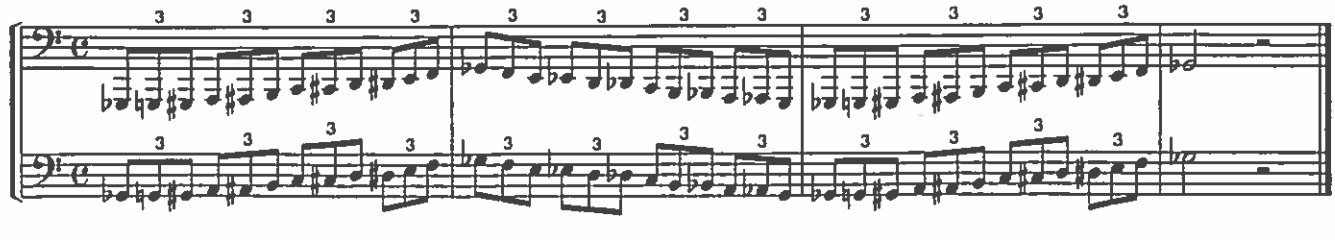
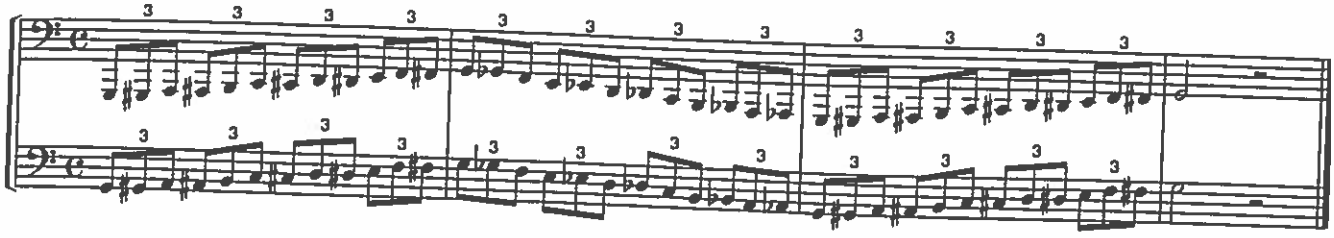
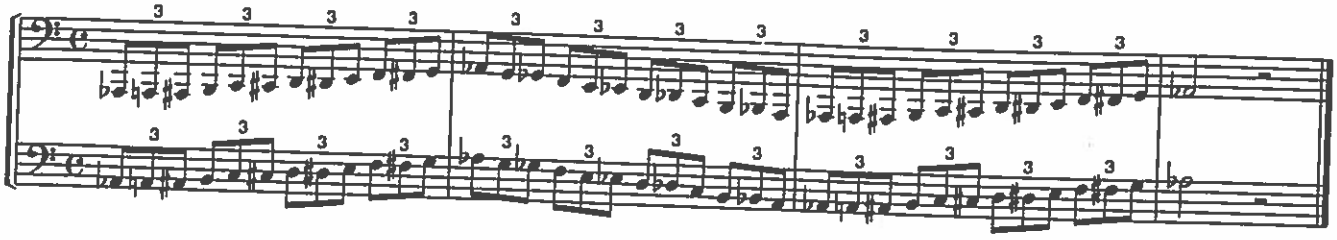


G♭





A♭



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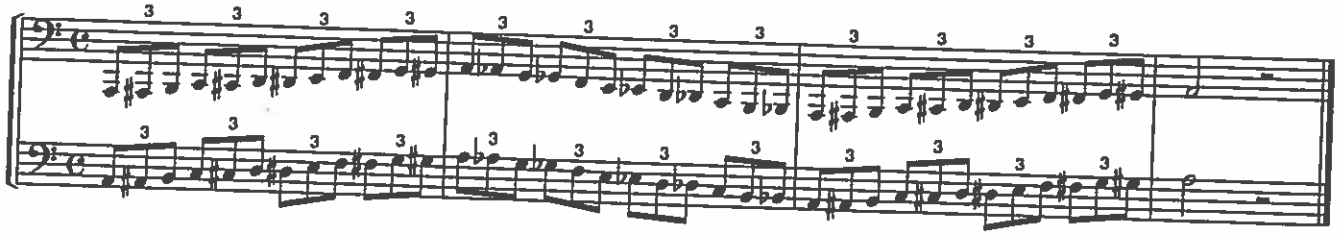
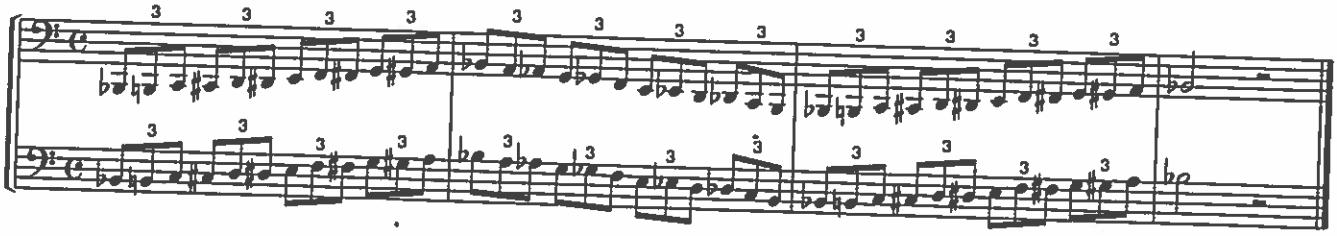


B♭



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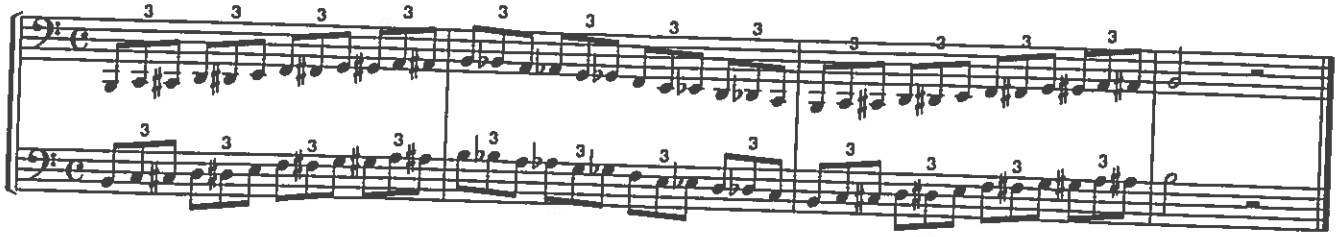
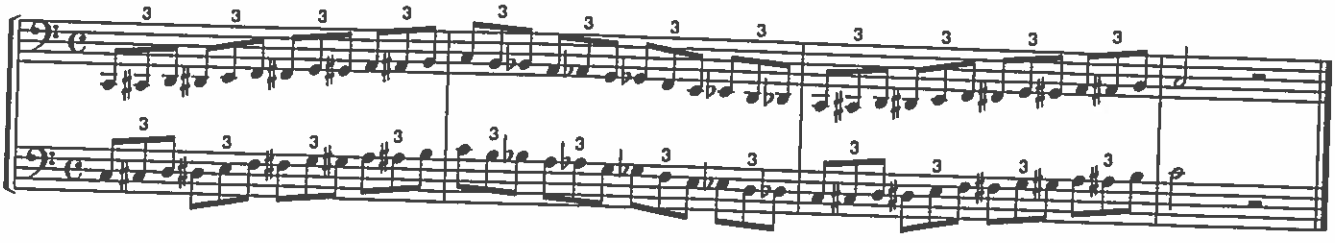
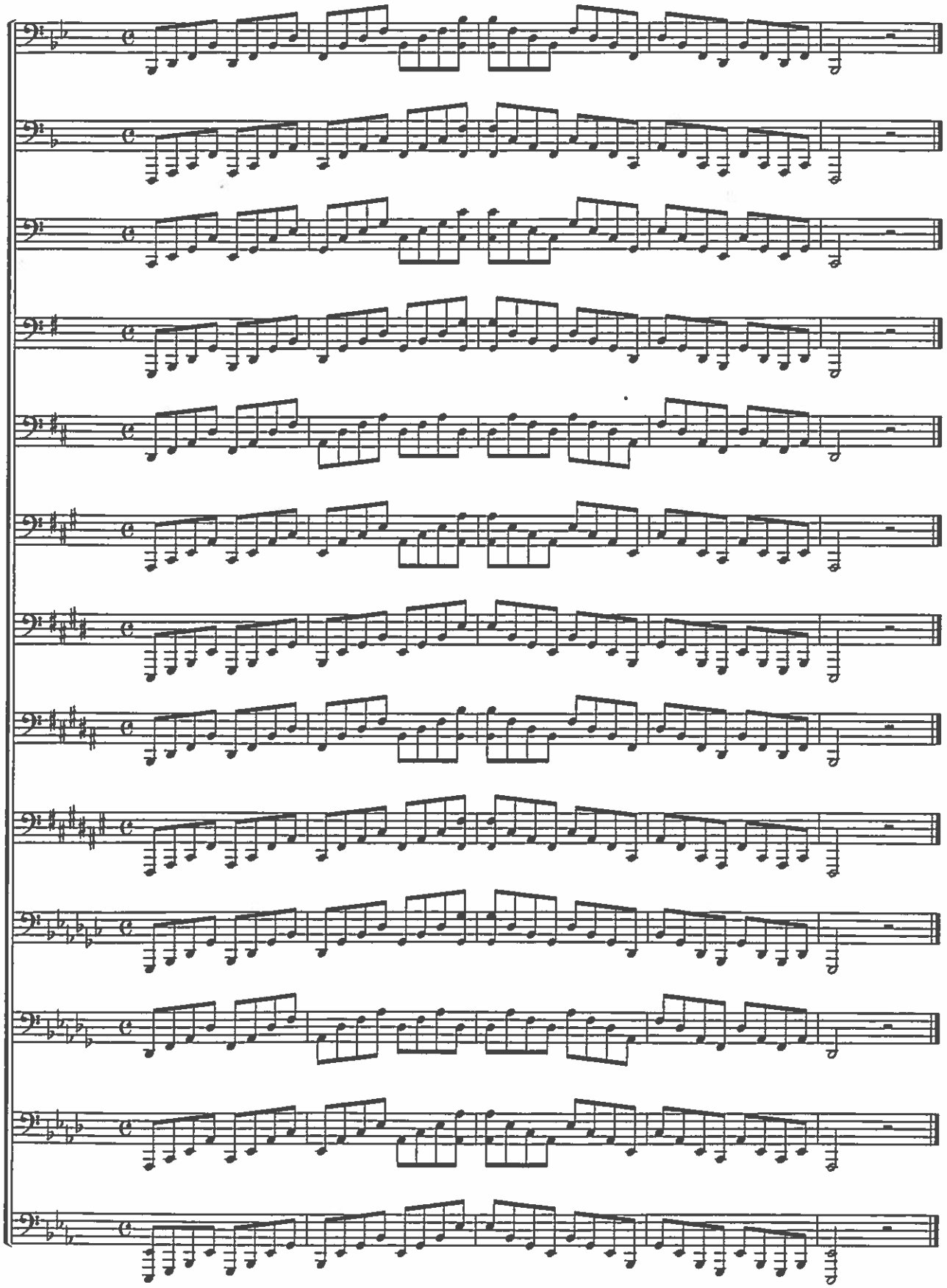


C



Major Arpeggios & Inversions

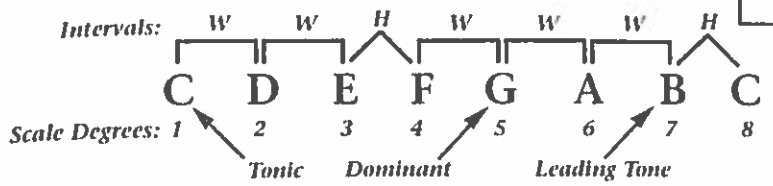


A scale is a series of single notes which ascend or descend in a stepwise manner within the range of an octave.

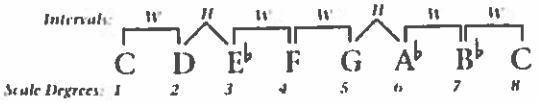
Because scales are arranged in a stepwise manner, the note names will always be in alphabetical order.

The notes within scales have a specific whole step/half step intervalic relationship with each other.

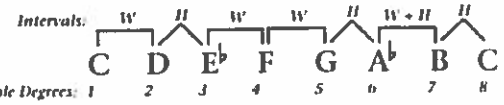
C major scale (half steps are between scale degrees 3 - 4 and 7 - 8).



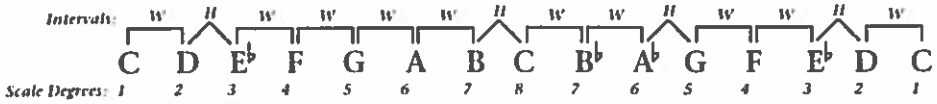
C natural minor scale (lower the 3rd, 6th, and 7th scale degrees a half step).



C harmonic minor scale (lower the 3rd and 6th scale degrees a half step).



C melodic minor scale (ascending lower the 3rd and descending lower the 7th, 6th, and 3rd scale degrees a half step).



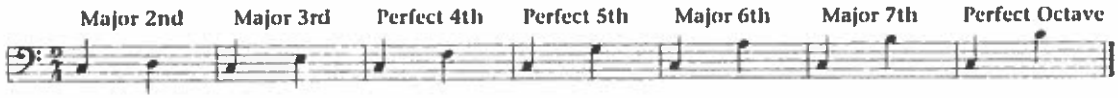
Augmented & Diminished Intervals from C

Augmented 4th (tritone)

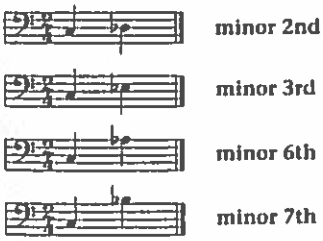
Diminished 5th (tritone)

Augmented 5th

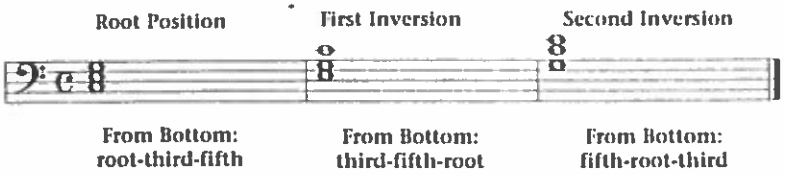
Intervals of the C major scale:



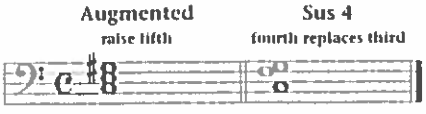
Minor Intervals from C



C major triad (three note chord) in root position and inversions.



Basic chord types constructed from C:



Essential Vocabulary:

Interval - the distance between two notes

Half Step - the closest interval between two notes

Whole Step - an interval of two half steps

Third - the distance of two adjacent lines or two adjacent spaces

Scale Degree - a note's classification according to its position in the scale

Tonic - the first note of a scale, the "key-note" from which the scale takes its name

Dominant - the fifth scale degree, chords built on this note are "dominant" and normally resolve to the tonic

Leading Tone - the seventh scale degree, it is one half step below tonic and its tendency is to "lead" or rise to the tonic