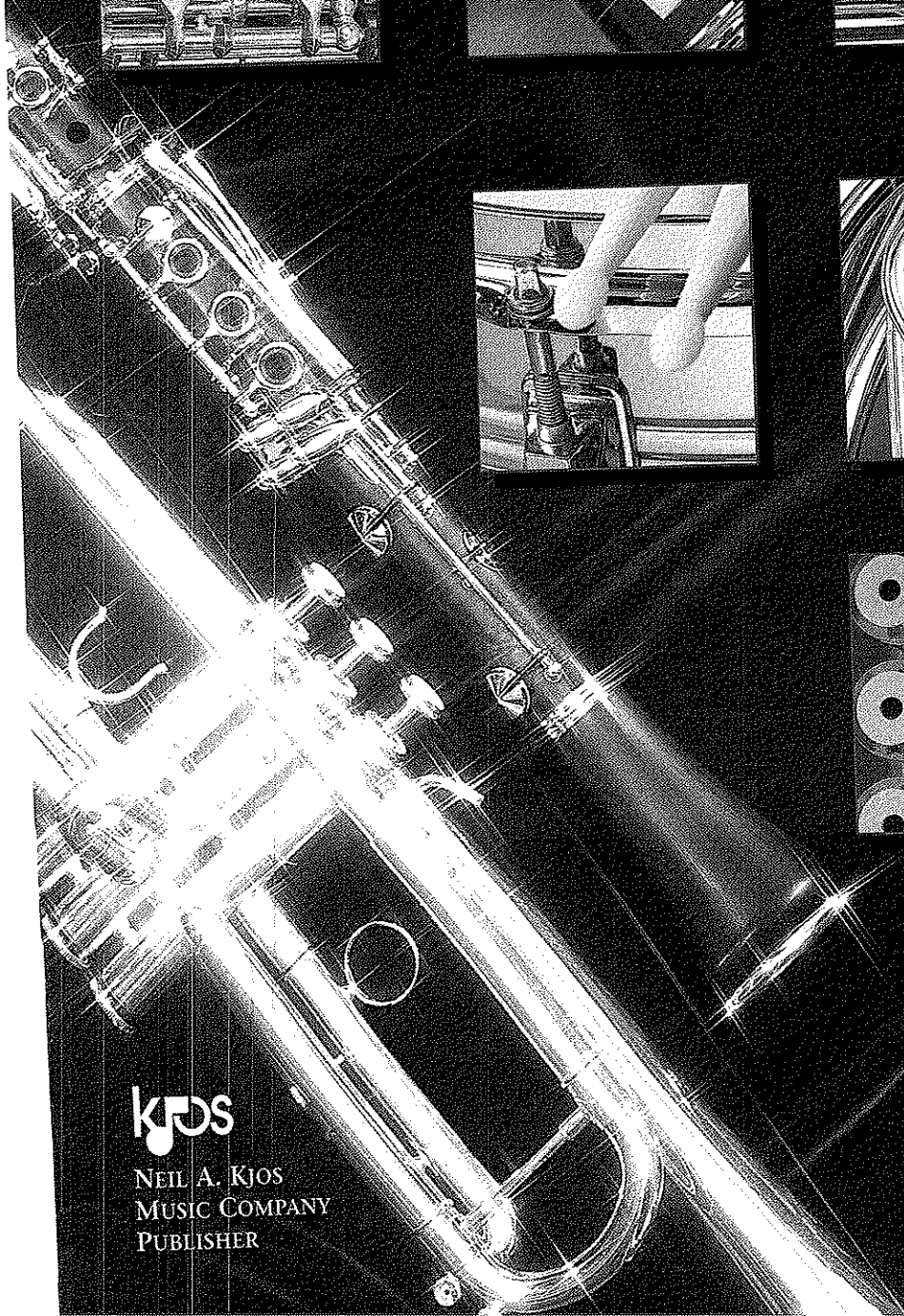
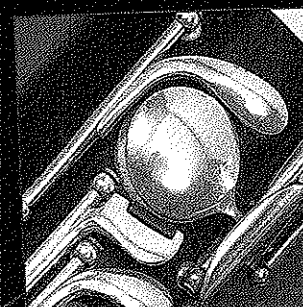
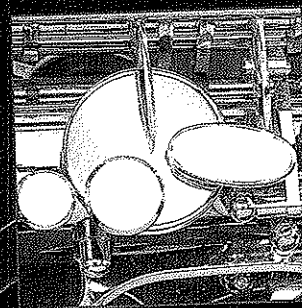
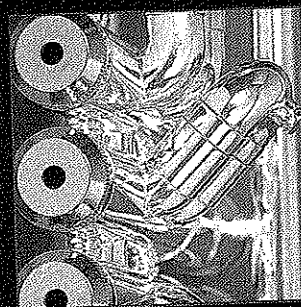
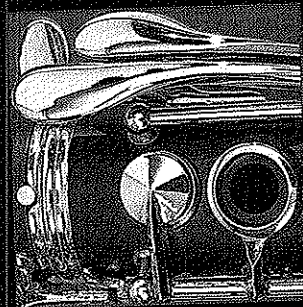
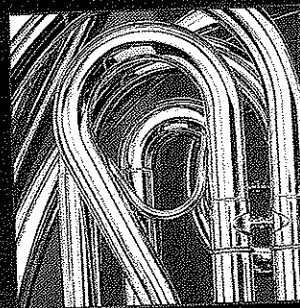
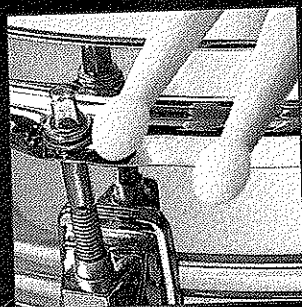
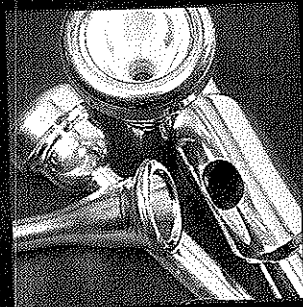
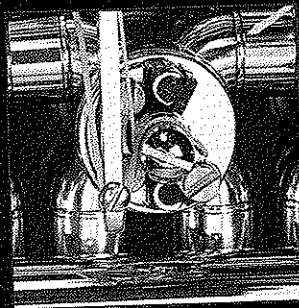
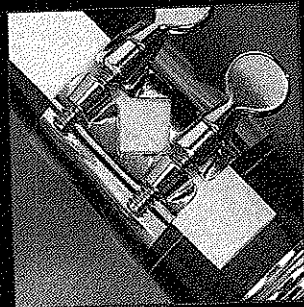
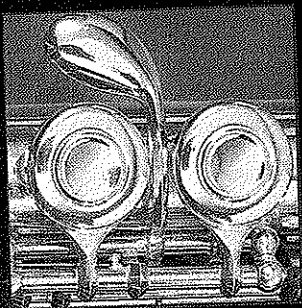


FOUNDATIONS FOR SUPERIOR PERFORMANCE

Warm-Ups & Technique for Band

Richard Williams & Jeff King



KJOS

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PUBLISHER

French Horn Fingering Chart

Many players prefer to use the B \flat Horn (trigger) when they reach second line G \sharp and continue to use it throughout the upper register.

| | | | | | |
|------|----------------------|-------|----------------------|-----|--------|
| C | C \sharp D \flat | D | D \sharp E \flat | E | F |
| | | | | | |
| Open | T 2 3 | T 1 2 | T 1 | T 2 | T open |

| | | | | | |
|----------------------|-----|----------------------|-----|----------------------|---|
| F \sharp G \flat | G | G \sharp A \flat | A | A \sharp B \flat | B |
| | | | | | |
| 1 2 3 | 1 3 | 2 3 | 1 2 | 1 | 2 |

| | | | | | |
|------|----------------------|--------------|----------------------|------------|-------------|
| C | C \sharp D \flat | D | D \sharp E \flat | E | F |
| | | | | | |
| Open | T 2 3 or 1 2 3 | T 1 2 or 1 3 | T 1 or 2 3 | T 2 or 1 2 | T open or 1 |

| | | | | | |
|----------------------|------|----------------------|-----|----------------------|---|
| F \sharp G \flat | G | G \sharp A \flat | A | A \sharp B \flat | B |
| | | | | | |
| 2 | Open | 2 3 | 1 2 | 1 | 2 |

| | | | | | | |
|------|----------------------|---|----------------------|------|---|----------------------|
| C | C \sharp D \flat | D | D \sharp E \flat | E | F | F \sharp G \flat |
| | | | | | | |
| Open | 1 2 | 1 | 2 | Open | 1 | 2 |

| | | | | | |
|------|----------------------|--------------|----------------------|----------|----------------|
| G | G \sharp A \flat | A | A \sharp B \flat | B | C |
| | | | | | |
| Open | T 2 3 or 2 3 | T 1 2 or 1 2 | T 1 or 1 | T 2 or 2 | T open or Open |

| | | | | | |
|----------------------|--------------------|----------------------|-------------|-------------|----------------------|
| C \sharp D \flat | D | D \sharp E \flat | E | F | F \sharp G \flat |
| | | | | | |
| T 2 3 or 1 2 or 2 | T 1 2 or 1 or Open | T 1 or 2 | T 2 or Open | T open or 1 | T 2 or T 1 2 or 2 |

| | | | | | |
|-----------------------|----------------------|------------------------|----------------------|----------|----------------|
| G | G \sharp A \flat | A | A \sharp B \flat | B | C |
| | | | | | |
| T open or T 1 or Open | T 2 3 or T 2 or 2 3 | T 1 2 or T open or 1 2 | T 1 or 1 | T 2 or 2 | T open or Open |

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

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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Concert F Around The Band

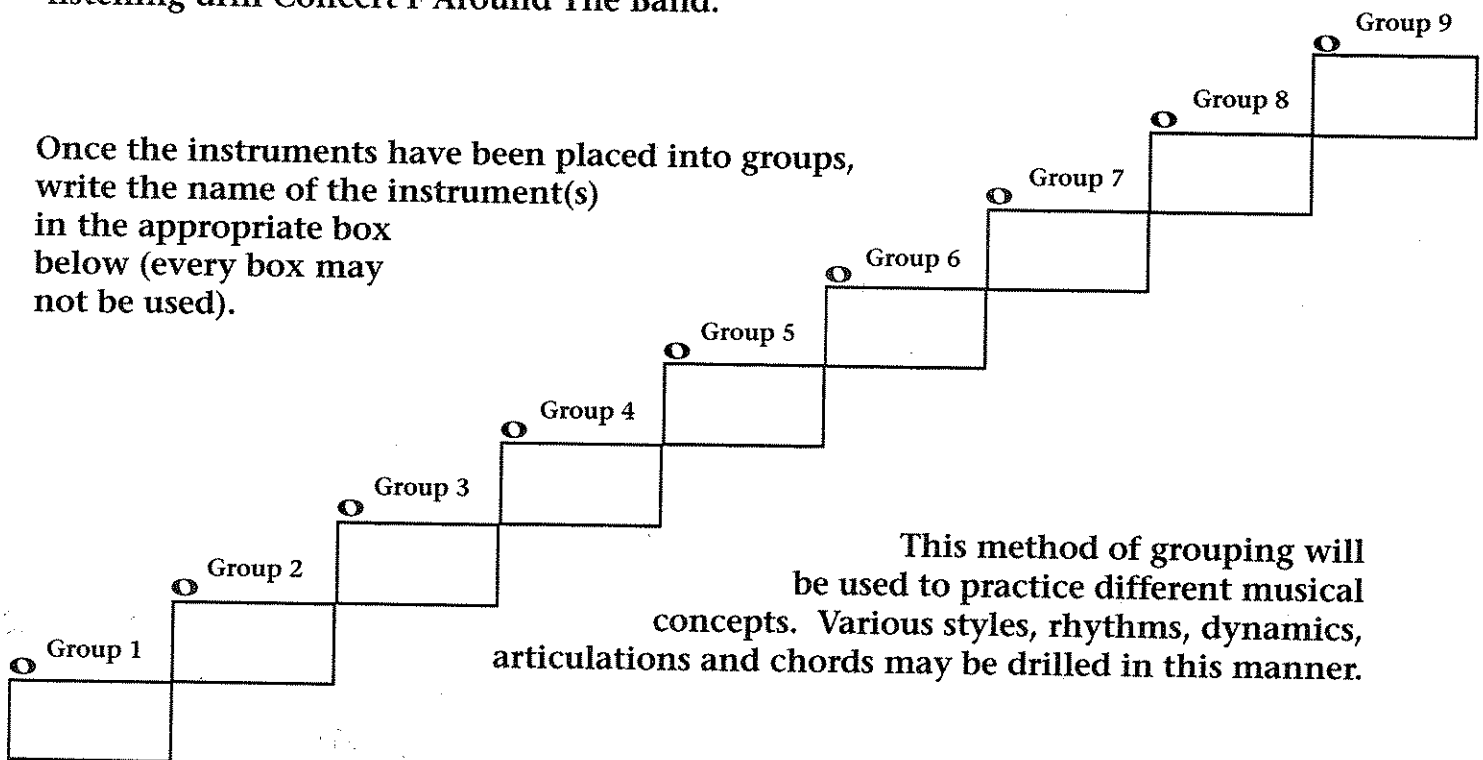
Each instrument will play concert F in their middle register. As a French Horn player, you will need to transpose the concert F in measure one to your instrument's pitch in measure two.

The transposition for French Horn is up a perfect fifth. *The lower octave may be used for a more comfortable playing range (down a perfect fourth).*



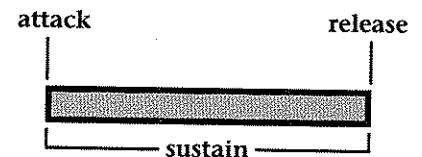
Your director will divide the band into various sections or groups for the listening drill Concert F Around The Band.

Once the instruments have been placed into groups, write the name of the instrument(s) in the appropriate box below (every box may not be used).



As you play the exercise, keep the following concepts in mind:

- match the primary parts of each note (attack-sustain-release)
- work for a smooth "block" shape to each note (no bumps in the sound)
- hand off each tenuto note (full value) without creating "holes" between the attacks
- match intonation, intensity, volume, tone quality, and the "body of sound"
- be aware of the different colors (timbres) of the instrument groups and their location in the room
- listen from the bottom groups and balance low-middle-high



Articulation Exercises

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- use lower octave for a more comfortable playing range

Long Tones

Concert F Descending

1

2

Long Tone 1

1a

1b

1c

1d

Long Tone 2

Musical notation for Long Tone 2, consisting of four staves of music. The notes are numbered 1 through 26. The first staff contains notes 1-7, the second 8-14, the third 15-21, and the fourth 22-26. The notes are primarily half notes with stems pointing down, and some are beamed together in pairs.

Long Tone 3

3a intervals of a minor 2nd

intervals of a major 2nd

Musical notation for Long Tone 3a, intervals of a minor 2nd, notes 1-8. The notes are half notes with stems pointing down, starting on middle C and moving up stepwise.

intervals of a minor 3rd

intervals of a major 3rd

Musical notation for Long Tone 3a, intervals of a minor 3rd, notes 9-16. The notes are half notes with stems pointing down, starting on middle C and moving up in minor 3rd intervals.

intervals of a perfect 4th

intervals of an augmented 4th

Musical notation for Long Tone 3a, intervals of a perfect 4th, notes 17-24. The notes are half notes with stems pointing down, starting on middle C and moving up in perfect 4th intervals.

intervals of a perfect 5th

Musical notation for Long Tone 3a, intervals of a perfect 5th, notes 25-28. The notes are half notes with stems pointing down, starting on middle C and moving up in perfect 5th intervals.

3b intervals of a minor 2nd

intervals of a major 2nd

intervals of a minor 3rd

Musical notation for Long Tone 3b, intervals of a minor 2nd, notes 1-6. The notes are half notes with stems pointing down, starting on middle C and moving up stepwise.

intervals of a major 3rd

intervals of a perfect 4th

intervals of an augmented 4th

Musical notation for Long Tone 3b, intervals of a major 3rd, notes 7-12. The notes are half notes with stems pointing down, starting on middle C and moving up in major 3rd intervals.

Warm-Up Set 1

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

1 (T Open) 2 3 (T 2) 4 5 (T 1)

6 7 (T 1-2) 8 9 (T 2-3) 10

11 (Open) 12 13 (2) 14

Option 4 - fingerings indicated in parenthesis

1 (T Open) 2 3 (T 2) 4 5 (T 1)

6 7 (T 1-2) 8 9 (T 2-3) 10

11 (Open) 12 13 (2) 14

Option 5 - fingerings indicated in parenthesis

1 (T Open) 2 3 (T 2) 4 5 (T 1)

6 7 (T 1-2) 8 9 (T 2-3) 10

11 (Open) 12 13 (2) 14

Warm-Up Set 2

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

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

Staff 1: (T Open), (T 2), (T 1)

Staff 2: (T 1-2), (T 2-3)

Staff 3: (Open), (2)

Option 4 - fingerings indicated in parenthesis

Option 4 - fingerings indicated in parenthesis

Staff 1: (T Open), (T 2), (T 1)

Staff 2: (T 1-2), (T 2-3)

Staff 3: (Open), (2)

Option 5 - fingerings indicated in parenthesis

Option 5 - fingerings indicated in parenthesis

Staff 1: (T Open), (T 2), (T 1)

Staff 2: (T 1-2), (T 2-3)

Staff 3: (Open), (2)

Warm-Up Set 3

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

Musical notation for Options 1, 2, & 3. It consists of three staves of music in treble clef with a common time signature (C). The first staff contains measures 1 through 5, with fingerings (T Open), (T 2), and (T 1) indicated below. The second staff contains measures 6 through 10, with fingerings (T 1-2) and (T 2-3) indicated below. The third staff contains measures 11 through 14, with fingerings (Open) and (2) indicated below. The notes are: 1 (G4), 2 (A4), 3 (B4), 4 (C5), 5 (B4), 6 (A4), 7 (G4), 8 (F4), 9 (E4), 10 (D4), 11 (C4), 12 (B3), 13 (A3), 14 (G3).

Option 4 - fingerings indicated in parenthesis

Musical notation for Option 4. It consists of three staves of music in treble clef with a common time signature (C). The first staff contains measures 1 through 5, with fingerings (T Open), (T 2), and (T 1) indicated below. The second staff contains measures 6 through 10, with fingerings (T 1-2) and (T 2-3) indicated below. The third staff contains measures 11 through 14, with fingerings (Open) and (2) indicated below. The notes are: 1 (G4), 2 (A4), 3 (B4), 4 (C5), 5 (B4), 6 (A4), 7 (G4), 8 (F4), 9 (E4), 10 (D4), 11 (C4), 12 (B3), 13 (A3), 14 (G3).

Option 5 - fingerings indicated in parenthesis

Musical notation for Option 5. It consists of three staves of music in treble clef with a common time signature (C). The first staff contains measures 1 through 5, with fingerings (T Open), (T 2), and (T 1) indicated below. The second staff contains measures 6 through 10, with fingerings (T 1-2) and (T 2-3) indicated below. The third staff contains measures 11 through 14, with fingerings (Open) and (2) indicated below. The notes are: 1 (G4), 2 (A4), 3 (B4), 4 (C5), 5 (B4), 6 (A4), 7 (G4), 8 (F4), 9 (E4), 10 (D4), 11 (C4), 12 (B3), 13 (A3), 14 (G3).

Warm-Up Set 4

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

(2) (Open) (T 2-3)

(T 1-2) (T 1)

(T 2) (T Open)

Option 4 - fingerings indicated in parenthesis

(2) (Open) (T 2-3)

(T 1-2) (T 1)

(T 2) (T Open)

Option 5 - fingerings indicated in parenthesis

(2) (Open)

(T 2-3) (T 1-2)

(T 1) (T 2)

(T Open)

Technical Exercises in the Key of F (Concert B \flat)

Major Scale

Two staves of music in F major, 4/4 time. The first staff contains an ascending eighth-note scale from F4 to F5. The second staff contains a descending eighth-note scale from F5 to F4. The exercise concludes with a whole-note chord of F major (F4, A4, C5).

Natural Minor

Two staves of music in F minor, 4/4 time. The first staff contains an ascending eighth-note scale from F4 to F5. The second staff contains a descending eighth-note scale from F5 to F4. The exercise concludes with a whole-note chord of F minor (F4, A \flat 4, C5).

Harmonic Minor

Two staves of music in F harmonic minor, 4/4 time. The first staff contains an ascending eighth-note scale from F4 to F5. The second staff contains a descending eighth-note scale from F5 to F4. The exercise concludes with a whole-note chord of F harmonic minor (F4, A \flat 4, C5).

Melodic Minor

Two staves of music in F melodic minor, 4/4 time. The first staff contains an ascending eighth-note scale from F4 to F5. The second staff contains a descending eighth-note scale from F5 to F4. The exercise concludes with a whole-note chord of F minor (F4, A \flat 4, C5).

Mini-Scale & Tonic Arpeggio

Two staves of music in F major, 4/4 time. The first staff contains an eighth-note scale from F4 to F5. The second staff contains an eighth-note scale from F5 to F4. The exercise concludes with a tonic arpeggio (F4, A4, C5).

Scale Pattern 1 *articulations:

Two staves of music in F major, 4/4 time. The first staff contains an eighth-note scale from F4 to F5 with articulation marks (circles) above the notes. The second staff contains an eighth-note scale from F5 to F4 with articulation marks (circles) below the notes. The exercise concludes with a tonic chord (F4, A4, C5).

Scale Pattern 2*

Musical notation for Scale Pattern 2* in F major, 4/4 time. The piece consists of two staves. The upper staff features a melodic line with eighth-note patterns and some beamed sixteenth notes. The lower staff provides a steady accompaniment of eighth notes.

Scale in Thirds*

Musical notation for Scale in Thirds* in F major, 4/4 time. The upper staff shows a scale of thirds, alternating between ascending and descending lines. The lower staff provides a consistent eighth-note accompaniment.

Interval Study

Musical notation for Interval Study in F major, 4/4 time. The single staff contains a sequence of eighth-note intervals, likely focusing on the intervals between adjacent notes of the scale.

Triads of the F Scale

Musical notation for Triads of the F Scale in F major, 4/4 time. The piece shows the seven triads of the scale: I (F major), ii (D minor), iii (E minor), IV (C major), V (F major), vi (D minor), and vii° (E diminished). Each triad is shown with its constituent notes and a rhythmic pattern.

Chord Study 1*

Musical notation for Chord Study 1* in F major, 4/4 time. The piece consists of two staves. The upper staff shows six chords (I, ii, iii, IV, V, vi) with a melodic line. The lower staff provides a steady eighth-note accompaniment.

Chord Study 2 - articulations:

Musical notation for Chord Study 2 - articulations in F major, 4/4 time. The piece consists of two staves. The upper staff features a melodic line with triplets and slurs. The lower staff provides a steady eighth-note accompaniment.

Technical Exercises in the Key of C (Concert F)

Major Scale

Natural Minor

Harmonic Minor

Melodic Minor

Mini-Scale & Tonic Arpeggio

(also practice 8vb)

*Scale Pattern 1 *articulations:*

Scale Pattern 2*

Musical notation for Scale Pattern 2* in C major, 4/4 time. The piece consists of two staves. The upper staff features a series of eighth-note patterns, while the lower staff provides a steady eighth-note accompaniment.

Scale in Thirds*

Musical notation for Scale in Thirds* in C major, 4/4 time. The upper staff plays a scale in thirds, and the lower staff plays a scale in single notes.

Interval Study

Musical notation for Interval Study in C major, 4/4 time. The piece consists of a single staff with eighth-note intervals.

Triads of the C Scale

Musical notation for Triads of the C Scale in C major, 4/4 time. The piece consists of a single staff showing triads labeled I, ii, iii, IV, V, vi, and vii^o.

Chord Study 1*

Musical notation for Chord Study 1* in C major, 4/4 time. The piece consists of two staves with six measures, each containing a different chord.

Chord Study 2 - articulations:

Musical notation for Chord Study 2 - articulations in C major, 4/4 time. The piece consists of two staves with five measures, each containing a different chord with articulation markings.

Technical Exercises in the Key of G (Concert C)

Major Scale

Musical notation for the Major Scale exercise in G major, consisting of two staves with treble and bass clefs, showing ascending and descending scales with a fermata on the final G note.

Natural Minor

Musical notation for the Natural Minor scale exercise in G minor, consisting of two staves with treble and bass clefs, showing ascending and descending scales with a fermata on the final G note.

Harmonic Minor

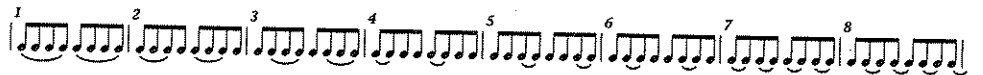
Musical notation for the Harmonic Minor scale exercise in G minor, consisting of two staves with treble and bass clefs, showing ascending and descending scales with a fermata on the final G note.

Melodic Minor

Musical notation for the Melodic Minor scale exercise in G minor, consisting of two staves with treble and bass clefs, showing ascending and descending scales with a fermata on the final G note.

Mini-Scale & Tonic Arpeggio

Musical notation for the Mini-Scale & Tonic Arpeggio exercise in G major, consisting of two staves with treble and bass clefs, showing a mini-scale and a tonic arpeggio.

*Scale Pattern 1 *articulations:* 

Musical notation for Scale Pattern 1 exercise in G major, consisting of two staves with treble and bass clefs, showing the application of the articulation patterns.

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 (Concert G)

Major Scale

Natural Minor

Harmonic Minor

Melodic Minor

Mini-Scale & Tonic Arpeggio

(also practice 8vb)

Scale Pattern 1 *articulations:

(also practice 8vb)

Scale Pattern 2*

Musical notation for Scale Pattern 2* in D major, 4/4 time. The piece consists of two staves. The upper staff features a melodic line with eighth-note patterns, and the lower staff provides a bass accompaniment with a steady eighth-note rhythm. The key signature has one sharp (F#).

(also practice 8vb)

Scale in Thirds*

Musical notation for Scale in Thirds* in D major, 4/4 time. The upper staff shows a scale of thirds, and the lower staff shows a scale of sixths. The key signature has one sharp (F#).

Interval Study

Musical notation for Interval Study in D major, 4/4 time. The piece consists of a single staff with a melodic line featuring various intervals between notes.

Triads of the D Scale

Musical notation for Triads of the D Scale in D major, 4/4 time. The piece consists of a single staff showing the seven triads of the D scale: I, ii, iii, IV, V, vi, and vii^o.

Chord Study 1*

Musical notation for Chord Study 1* in D major, 4/4 time. The piece consists of two staves. The upper staff shows a sequence of six chords, and the lower staff shows a corresponding bass line. The chords are numbered 1 through 6.

Chord Study 2 - articulations:

Musical notation for Chord Study 2 - articulations in D major, 4/4 time. The piece consists of two staves. The upper staff shows a sequence of six chords with articulation marks (accents) above them. The lower staff shows a corresponding bass line. The chords are numbered 1 through 6.

Technical Exercises in the Key of A (Concert D)

Major Scale

Natural Minor

Harmonic Minor

Melodic Minor

Mini-Scale & Tonic Arpeggio

Scale in Thirds - articulations:

Technical Exercises in the Key of E (Concert A)

Major Scale

Natural Minor

Harmonic Minor

Melodic Minor

Mini-Scale & Tonic Arpeggio

Scale in Thirds - articulations:

Technical Exercises in the Key of B (Concert E)

Major Scale

Natural Minor

Harmonic Minor

Melodic Minor

Mini-Scale & Tonic Arpeggio

Scale in Thirds - articulations: ¹ ² ³ ⁴ ⁵ ⁶ ⁷ ⁸

Technical Exercises in the Key of F# (Concert B)

Major Scale

Natural Minor

Harmonic Minor

Melodic Minor

Mini-Scale & Tonic Arpeggio

Scale in Thirds - articulations: 

Technical Exercises in the Key of D \flat (Concert G \flat)

Major Scale

Musical notation for the Major Scale exercise in D-flat major, showing treble and bass staves with a four-measure phrase.

Natural Minor

Musical notation for the Natural Minor scale exercise in D-flat minor, showing treble and bass staves with a four-measure phrase.

Harmonic Minor

Musical notation for the Harmonic Minor scale exercise in D-flat minor, showing treble and bass staves with a four-measure phrase.

Melodic Minor

Musical notation for the Melodic Minor scale exercise in D-flat minor, showing treble and bass staves with a four-measure phrase.

Mini-Scale & Tonic Arpeggio

Musical notation for the Mini-Scale & Tonic Arpeggio exercise in D-flat major, showing treble and bass staves with a four-measure phrase.

(also practice 8vb)

*Scale Pattern 1 *articulations:*

Musical notation for Scale Pattern 1 articulations, showing a sequence of eight eighth-note patterns.

Musical notation for Scale Pattern 1, showing treble and bass staves with a four-measure phrase.

(also practice 8vb)

Scale Pattern 2*

Musical notation for Scale Pattern 2* in D-flat major, C major time signature. The piece consists of two staves. The upper staff features a melodic line with eighth-note patterns, and the lower staff provides a bass accompaniment. A note below the first measure of the lower staff reads "(also practice 8vb)".

Scale in Thirds*

Musical notation for Scale in Thirds* in D-flat major, C major time signature. The piece consists of two staves. The upper staff features a melodic line with eighth-note patterns, and the lower staff provides a bass accompaniment. A note below the first measure of the lower staff reads "(also practice 8vb)".

Interval Study

Musical notation for Interval Study in D-flat major, C major time signature. The piece consists of a single staff with a melodic line of eighth notes.

Triads of the D \flat Scale

Musical notation for Triads of the D \flat Scale in D-flat major, C major time signature. The piece consists of a single staff showing seven triads labeled I, ii, iii, IV, V, vi, and vii^o.

Chord Study 1*

Musical notation for Chord Study 1* in D-flat major, C major time signature. The piece consists of two staves. The upper staff features a melodic line with eighth-note patterns, and the lower staff provides a bass accompaniment. The piece is divided into six measures, numbered 1 through 6.

Chord Study 2 - articulations:

Musical notation for Chord Study 2 - articulations in D-flat major, C major time signature. The piece consists of two staves. The upper staff features a melodic line with eighth-note patterns and triplets, and the lower staff provides a bass accompaniment. The piece is divided into five measures, numbered 1 through 5.

Technical Exercises in the Key of A \flat (Concert D \flat)

Major Scale

Natural Minor

Harmonic Minor

Melodic Minor

Mini-Scale & Tonic Arpeggio

Scale Pattern 1 *articulations:

Scale Pattern 2*

Musical notation for Scale Pattern 2* in A-flat major, 4/4 time. The piece consists of two staves. The upper staff features a melodic line with eighth-note patterns, while the lower staff provides a steady bass accompaniment of eighth notes.

Scale in Thirds*

Musical notation for Scale in Thirds* in A-flat major, 4/4 time. The upper staff plays a scale in thirds, and the lower staff plays a scale in single notes, both in eighth-note rhythms.

Interval Study

Musical notation for Interval Study in A-flat major, 4/4 time. The single staff contains a sequence of eighth-note intervals across the scale.

Triads of the A \flat Scale

Musical notation for Triads of the A \flat Scale in A-flat major, 4/4 time. The piece shows the first seven triads of the scale, labeled I through vii^o, with their constituent notes and chord symbols.

Chord Study 1*

Musical notation for Chord Study 1* in A-flat major, 4/4 time. The upper staff features six chords (I-VI) with arpeggiated patterns, and the lower staff provides a bass line.

Chord Study 2 - articulations:

Musical notation for Chord Study 2 - articulations in A-flat major, 4/4 time. The upper staff features six chords with triplets and slurs, and the lower staff provides a bass line with fingerings 1-5.

Technical Exercises in the Key of Eb (Concert Ab)

Major Scale

Musical notation for the Major Scale exercise in Eb. It consists of two staves. The first staff contains an ascending line of eighth notes starting on Eb, followed by a descending line of eighth notes, and ends with a whole note tonic chord (Eb-E-G). The second staff contains a similar ascending and descending line, but with a different rhythmic pattern, also ending with a whole note tonic chord.

Natural Minor

Musical notation for the Natural Minor scale exercise in Eb. It consists of two staves. The first staff contains an ascending line of eighth notes starting on Eb, followed by a descending line of eighth notes, and ends with a whole note tonic chord (Eb-E-G). The second staff contains a similar ascending and descending line, but with a different rhythmic pattern, also ending with a whole note tonic chord.

Harmonic Minor

Musical notation for the Harmonic Minor scale exercise in Eb. It consists of two staves. The first staff contains an ascending line of eighth notes starting on Eb, followed by a descending line of eighth notes, and ends with a whole note tonic chord (Eb-E-G). The second staff contains a similar ascending and descending line, but with a different rhythmic pattern, also ending with a whole note tonic chord.

Melodic Minor

Musical notation for the Melodic Minor scale exercise in Eb. It consists of two staves. The first staff contains an ascending line of eighth notes starting on Eb, followed by a descending line of eighth notes, and ends with a whole note tonic chord (Eb-E-G). The second staff contains a similar ascending and descending line, but with a different rhythmic pattern, also ending with a whole note tonic chord.

Mini-Scale & Tonic Arpeggio

Musical notation for the Mini-Scale & Tonic Arpeggio exercise in Eb. It consists of two staves. The first staff contains a series of eighth-note runs, each followed by a tonic arpeggio. The second staff contains a similar series of eighth-note runs and arpeggios.

(also practice 8vb)

Scale Pattern 1 *articulations:

Musical notation for Scale Pattern 1 in Eb. It consists of two staves. The first staff contains a series of eighth-note runs with articulations. The second staff contains a similar series of eighth-note runs with articulations.

(also practice 8vb)

Scale Pattern 2*

Musical notation for Scale Pattern 2* in E-flat major, 4/4 time. The piece consists of two staves. The upper staff features a melodic line with eighth-note patterns, and the lower staff provides a bass accompaniment with a steady eighth-note rhythm.

(also practice 8vb)

Scale in Thirds*

Musical notation for Scale in Thirds* in E-flat major, 4/4 time. The upper staff shows a scale of thirds, and the lower staff shows a scale of sixths, both moving in parallel motion.

Interval Study

Musical notation for Interval Study in E-flat major, 4/4 time. The piece consists of a single staff with a sequence of intervals, primarily thirds and sixths, moving in a stepwise fashion.

Triads of the E \flat Scale

Musical notation for Triads of the E \flat Scale in E-flat major, 4/4 time. The piece consists of a single staff showing the seven triads of the scale, labeled I through vii^o.

Chord Study 1*

Musical notation for Chord Study 1* in E-flat major, 4/4 time. The piece consists of two staves. The upper staff shows six chords (I through VI) with a melodic line, and the lower staff shows a bass accompaniment with a steady eighth-note rhythm.

Chord Study 2 - articulations:

Musical notation for Chord Study 2 - articulations in E-flat major, 4/4 time. The piece consists of two staves. The upper staff shows six chords (I through VI) with a melodic line, and the lower staff shows a bass accompaniment with a steady eighth-note rhythm. The piece is marked with articulation slurs and accents.

Technical Exercises in the Key of B \flat (Concert E \flat)

Major Scale

Musical notation for the Major Scale in B-flat major, 4/4 time. The first staff contains the upper voice with a whole rest in the first measure, followed by an ascending eighth-note scale, and a descending eighth-note scale with a fermata over the final two notes. The second staff contains the lower voice with an ascending eighth-note scale and a descending eighth-note scale.

Natural Minor

Musical notation for the Natural Minor scale in B-flat minor, 4/4 time. The first staff contains the upper voice with a whole rest in the first measure, followed by an ascending eighth-note scale, and a descending eighth-note scale with a fermata over the final two notes. The second staff contains the lower voice with an ascending eighth-note scale and a descending eighth-note scale.

Harmonic Minor

Musical notation for the Harmonic Minor scale in B-flat minor, 4/4 time. The first staff contains the upper voice with a whole rest in the first measure, followed by an ascending eighth-note scale, and a descending eighth-note scale with a fermata over the final two notes. The second staff contains the lower voice with an ascending eighth-note scale and a descending eighth-note scale.

Melodic Minor

Musical notation for the Melodic Minor scale in B-flat minor, 4/4 time. The first staff contains the upper voice with a whole rest in the first measure, followed by an ascending eighth-note scale, and a descending eighth-note scale with a fermata over the final two notes. The second staff contains the lower voice with an ascending eighth-note scale and a descending eighth-note scale.

Mini-Scale & Tonic Arpeggio

Musical notation for the Mini-Scale & Tonic Arpeggio in B-flat major, 4/4 time. The first staff contains the upper voice with a half note tonic chord, followed by an ascending eighth-note scale, and a descending eighth-note scale with a fermata over the final two notes. The second staff contains the lower voice with an ascending eighth-note scale and a descending eighth-note scale.

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

Musical notation for Scale Pattern 1 in B-flat major, 4/4 time. The first staff contains the upper voice with a half note tonic chord, followed by an ascending eighth-note scale, and a descending eighth-note scale with a fermata over the final two notes. The second staff contains the lower voice with an ascending eighth-note scale and a descending eighth-note scale.

*Scale Pattern 2**

Musical notation for Scale Pattern 2* in B-flat major, 4/4 time. The piece consists of two staves. The upper staff features a melodic line with eighth-note patterns, and the lower staff provides a steady bass accompaniment of eighth notes.

*Scale in Thirds**

Musical notation for Scale in Thirds* in B-flat major, 4/4 time. The upper staff plays a scale in thirds, while the lower staff plays a scale in eighth notes.

Interval Study

Musical notation for Interval Study in B-flat major, 4/4 time. The single staff contains a sequence of eighth-note intervals across the scale.

Triads of the B \flat Scale

Musical notation for Triads of the B \flat Scale in B-flat major, 4/4 time. The piece shows the first seven triads of the scale, labeled with Roman numerals: I, ii, iii, IV, V, vi, and vii^o.

*Chord Study 1**

Musical notation for Chord Study 1* in B-flat major, 4/4 time. The piece features six measures, each containing a different chord from the B-flat major scale, with a melodic line in the upper staff and a bass line in the lower staff.

Chord Study 2 - articulations:

Musical notation for Chord Study 2 - articulations in B-flat major, 4/4 time. The piece consists of two staves. The upper staff features a melodic line with triplets and slurs, and the lower staff provides a bass accompaniment with fingerings 1 through 5 indicated.

Chorales & Tuning Exercises in F (Concert B \flat)

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)

Musical notation for Chorale 2 (full band) in G major, 4/4 time. The piece consists of two staves of music. The first staff is marked *mf* and contains measures 1 through 4. The second staff contains measures 5 through 8 and is marked *ritard*. The melody is simple and homophonic.

Chorale Melody on Chester

Musical notation for Chorale Melody on Chester in G major, 4/4 time. It features three staves: Subdivision, Chorale Melody, and Bopped. The Subdivision staff has a constant eighth-note pattern. The Chorale Melody staff is marked *mf* and contains measures 1 through 4, ending with a *(cadence)*. The Bopped staff has a rhythmic accompaniment. The second system contains measures 5 through 8, also ending with a *(cadence)*.

Chester Chorale (full band)

Musical notation for Chester Chorale (full band) in G major, 4/4 time. The piece consists of four staves of music, numbered 1 through 16. The first staff is marked *mf* and contains measures 1 through 4. The second staff contains measures 5 through 8. The third staff is marked *mp* and contains measures 9 through 12. The fourth staff contains measures 13 through 16, with dynamics *mf* and *f* indicated. The melody is more complex than the previous chorales.

Chorales & Tuning Exercises in C (Concert 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)

Musical score for Chorale 4 (full band). The score is written in treble clef with a common time signature (C). It consists of two staves. The first staff is labeled 'FH' and 'mf'. The melody is marked with measure numbers 1 through 4. The second staff continues the melody from measure 5 to 8.

Chorale Melody on Bach 95

Musical score for Chorale Melody on Bach 95. The score is written in treble clef with a common time signature (C). It consists of three staves: 'Subdivision', 'Chorale Melody', and 'Bopped'. The 'Chorale Melody' staff is marked 'mf'. The score is marked with measure numbers 1 through 8. The 'Subdivision' staff shows a rhythmic pattern of eighth notes. The 'Bopped' staff shows a rhythmic pattern of eighth notes with accents. The score ends with a '(cadence)' marking at the end of measure 8.

Bach 95 (full band)

Musical score for Bach 95 (full band). The score is written in treble clef with a common time signature (C). It consists of three staves. The first staff is labeled 'FH' and 'mf'. The melody is marked with measure numbers 1 through 4. The second staff continues the melody from measure 5 to 8. The third staff continues the melody from measure 9 to 12.

Chorales & Tuning Exercises in B \flat (Concert E \flat)

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)

Musical notation for Chorale 6 (full band) in 3/4 time, key of B-flat major. The piece is marked *mf*. The notation consists of two staves. The first staff contains measures 1 through 4, and the second staff contains measures 5 through 8. Measure numbers 1, 2, 3, 4, 5, 6, 7, and 8 are indicated above the notes.

Chorale Melody on America

Musical notation for Chorale Melody on America in 3/4 time, key of B-flat major. The piece is marked *mf*. The notation is arranged in three staves: Subdivision, Chorale Melody, and Bopped. The Subdivision staff shows eighth-note patterns. The Chorale Melody staff shows the main melody. The Bopped staff shows a rhythmic accompaniment with eighth notes. Measure numbers 1, 2, 3, 4, 5, and 6 are indicated above the notes. Measure 6 is labeled as "(cadence)".

America (full band)

Musical notation for America (full band) in 3/4 time, key of B-flat major. The piece is marked *mf*. The notation consists of three staves. The first staff contains measures 1 through 5, the second staff contains measures 6 through 10, and the third staff contains measures 11 through 14. Measure numbers 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, and 14 are indicated above the notes.

Chorale & Tuning Exercises in G (Concert C)

Interval Tuning

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

Chord Tuning

Air (full band)

Chorale & Tuning Exercises in g minor (Concert c minor)

Interval Tuning

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

Chord Tuning

Greensleeves (full band)

Chorale & Tuning Exercises in D (Concert G)

Interval Tuning

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

Chord Tuning

Pavane (full band)

Chorale & Tuning Exercises in d minor (Concert 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 E \flat (Concert A \flat)

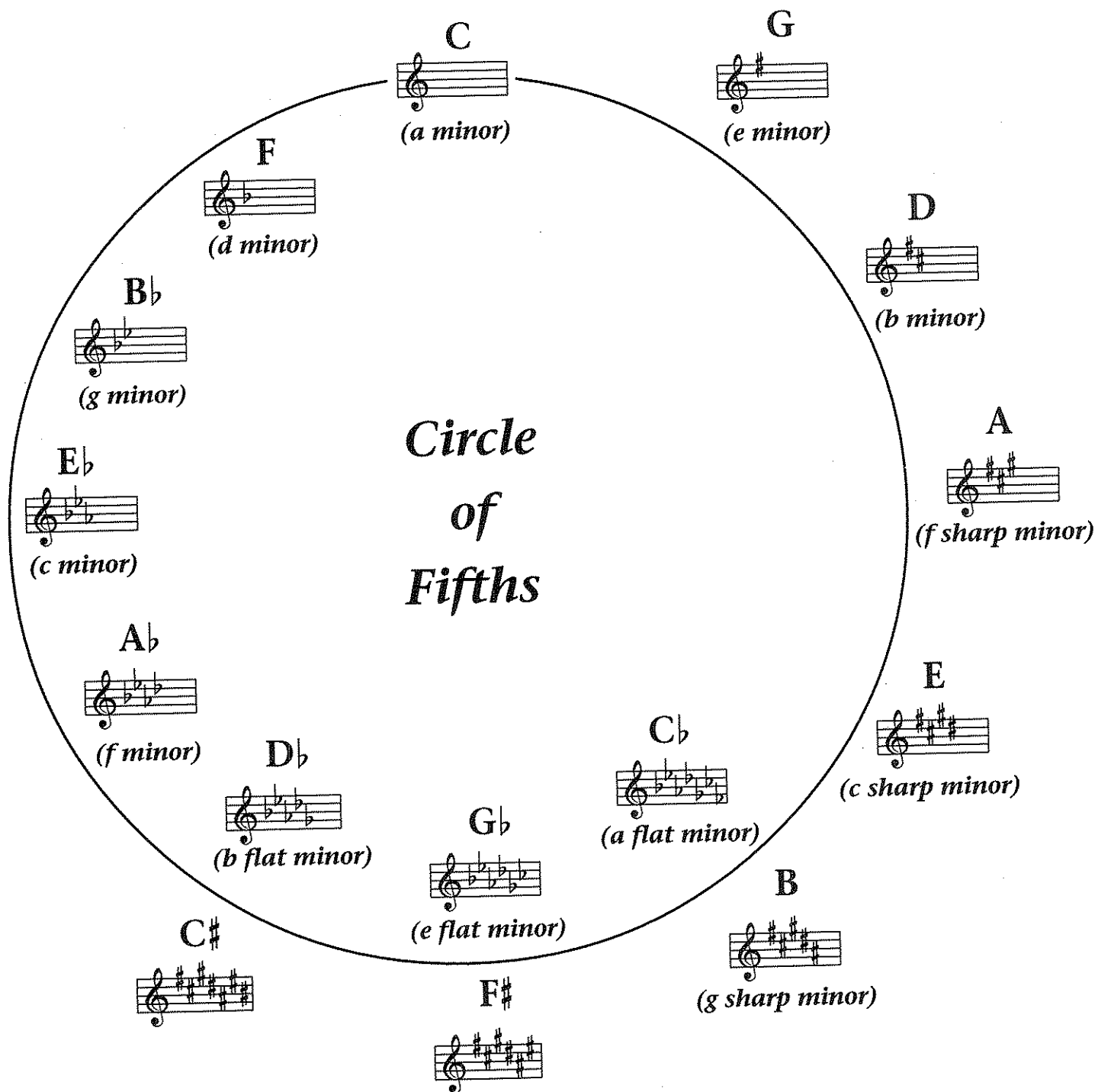
Interval Tuning

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

Chord Tuning

All Through the Night (full band)

Appendix



One Octave Scales & Arpeggios

In All Twelve Major Key Signatures

This page contains twelve musical staves, each representing a different major key signature. Each staff begins with a treble clef and a common time signature (C). The scales are written in a single octave, starting from the first line of the staff and ending on the first space. The arpeggios are written in a single octave, starting from the first space and ending on the first line. The key signatures are: Bb/F, F/C, C/G, G/D, D/A, A/E, E/B, B/F#, and B/Gb. The scales are written in a single octave, starting from the first line of the staff and ending on the first space. The arpeggios are written in a single octave, starting from the first space and ending on the first line.

Bb/F

F/C

C/G

G/D

D/A

A/E

E/B

B/F#

B/Gb

G \flat /D \flat

A musical staff in treble clef with a key signature of three flats (Bb, Eb, Ab) and a common time signature (C). The melody consists of quarter notes and eighth notes, starting on G \flat and ending on D \flat .

D \flat /A \flat

A musical staff in treble clef with a key signature of three flats (Bb, Eb, Ab) and a common time signature (C). The melody consists of quarter notes and eighth notes, starting on D \flat and ending on A \flat .

A \flat /E \flat

A musical staff in treble clef with a key signature of three flats (Bb, Eb, Ab) and a common time signature (C). The melody consists of quarter notes and eighth notes, starting on A \flat and ending on E \flat .

E \flat /B \flat

A musical staff in treble clef with a key signature of three flats (Bb, Eb, Ab) and a common time signature (C). The melody consists of quarter notes and eighth notes, starting on E \flat and ending on B \flat .

Chromatic Exercises

A musical staff in treble clef with a common time signature (C). It shows a chromatic scale starting on C \sharp and ending on C \flat . The notes are numbered 1 through 8.

A musical staff in treble clef with a common time signature (C). It shows a chromatic scale starting on C \sharp and ending on C \flat . The notes are numbered 9 through 17.

F Chromatic Scale (Concert B \flat)

A musical staff in treble clef with a common time signature (C). It shows a chromatic scale starting on F and ending on F \flat . The notes are numbered 1 through 4.

C Chromatic Scale (Concert F)

A musical staff in bass clef with a common time signature (C). It shows a chromatic scale starting on C and ending on C \flat . The notes are numbered 1 through 4.

A musical staff in treble clef with a common time signature (C). It shows a chromatic scale starting on C and ending on C \flat . The notes are numbered 5 through 7.

Full Range Scales

In All Twelve Major Key Signatures

B \flat /F

F/C

C/G

G/D

D/A

A/E

E/B

B/F# Musical staff for B/F# in treble clef, C major, 4/4 time. The melody starts on G4 and ascends chromatically to B4, then descends chromatically to G3, ending on a whole note G3.

B/Gb Musical staff for B/Gb in treble clef, B-flat major, 4/4 time. The melody starts on G4 and ascends chromatically to B4, then descends chromatically to G3, ending on a whole note G3.

Gb/Db Musical staff for Gb/Db in bass clef, B-flat major, 4/4 time. The melody starts on G3 and ascends chromatically to B4, then descends chromatically to G3, ending on a whole note G3.

Db/Ab Musical staff for Db/Ab in treble clef, D-flat major, 4/4 time. The melody starts on G4 and ascends chromatically to B4, then descends chromatically to G3, ending on a whole note G3.

Ab/Eb Musical staff for Ab/Eb in treble clef, A-flat major, 4/4 time. The melody starts on G4 and ascends chromatically to B4, then descends chromatically to G3, ending on a whole note G3.

Eb/Bb Musical staff for Eb/Bb in bass clef, E-flat major, 4/4 time. The melody starts on G3 and ascends chromatically to B4, then descends chromatically to G3, ending on a whole note G3.

Musical staff for Full Range Chromatic in treble clef, 4/4 time. The melody starts on G4 and ascends chromatically to B4, then descends chromatically to G3, ending on a whole note G3.

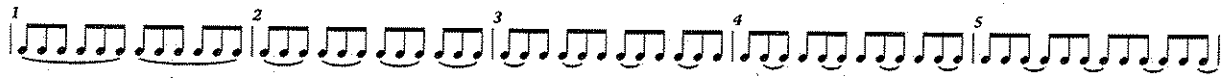
Full Range Chromatic

Musical staff for Full Range Chromatic in bass clef, 4/4 time. Measures 1-3: Ascending chromatic scale from G3 to B4.

Musical staff for Full Range Chromatic in treble clef, 4/4 time. Measures 4-6: Descending chromatic scale from B4 to G3.

Musical staff for Full Range Chromatic in treble clef, 4/4 time. Measures 7-10: Further descending chromatic scale from G3 to E2.

Chromatic Scales



F/C

Two staves of music for the F/C chromatic scale. The upper staff is in bass clef and the lower staff is in treble clef. Both staves contain chromatic scales with triplet markings (the number 3) above groups of three notes.

G^b/D^b

Two staves of music for the G^b/D^b chromatic scale. The upper staff is in bass clef and the lower staff is in treble clef. Both staves contain chromatic scales with triplet markings (the number 3) above groups of three notes.

G/D

Two staves of music for the G/D chromatic scale. The upper staff is in bass clef and the lower staff is in treble clef. Both staves contain chromatic scales with triplet markings (the number 3) above groups of three notes.

A^b/E^b

Two staves of music for the A^b/E^b chromatic scale. The upper staff is in treble clef and the lower staff is in bass clef. Both staves contain chromatic scales with triplet markings (the number 3) above groups of three notes.

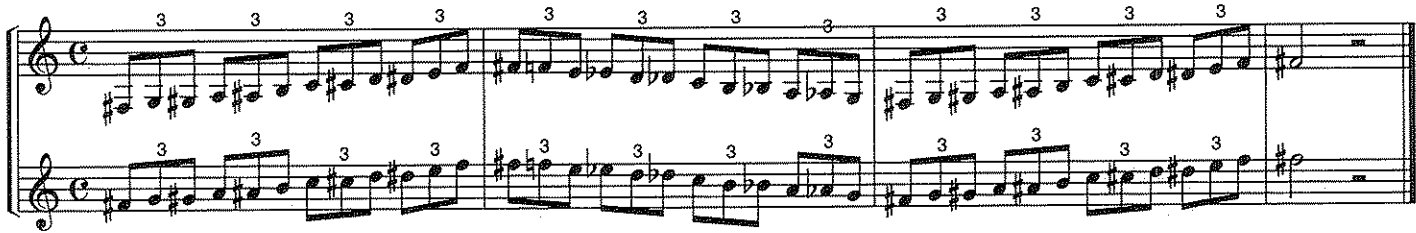
A/E

Two staves of music for the A/E chromatic scale. The upper staff is in treble clef and the lower staff is in bass clef. Both staves contain chromatic scales with triplet markings (the number 3) above groups of three notes.

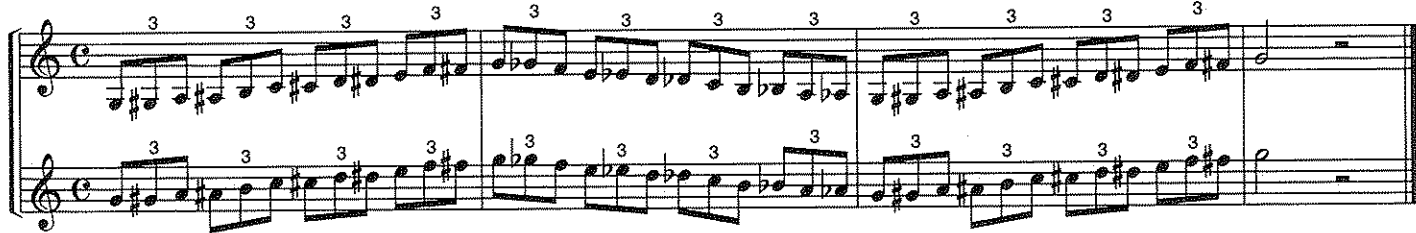
B^b/F

Two staves of music for the B^b/F chromatic scale. The upper staff is in treble clef and the lower staff is in bass clef. Both staves contain chromatic scales with triplet markings (the number 3) above groups of three notes.

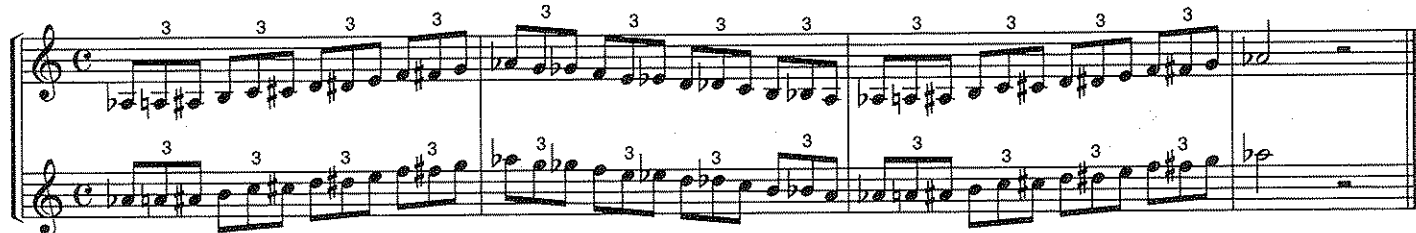
B/F#



C/G



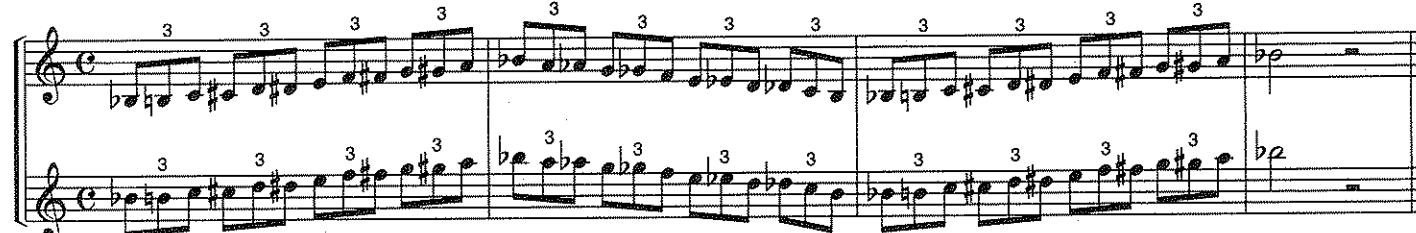
Db/Ab



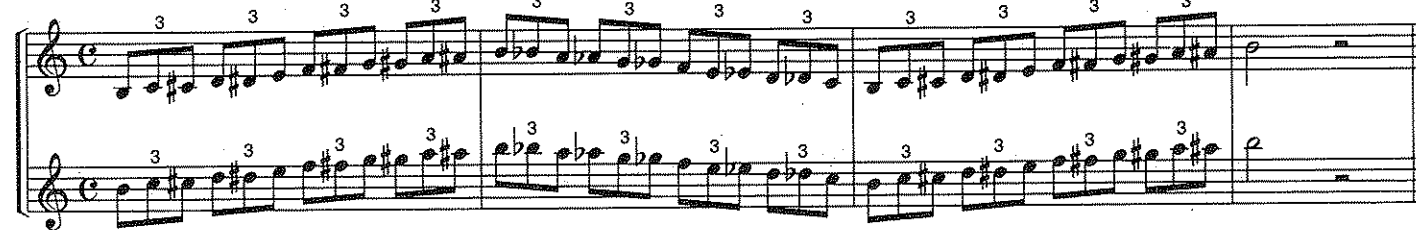
D/A



Eb/Bb



E/B



Major Arpeggios & Inversions

This musical score displays 14 major arpeggios and their inversions, each on a separate staff. The chords are: Bb/F, F/C, C/G, G/D, D/A, A/E, E/B, B/F#, B/Gb, Gb/Db, Db/Ab, Ab/Eb, and Eb/Bb. Each staff begins with a treble clef, a common time signature (C), and a key signature with one flat (Bb). The arpeggios are written in a consistent pattern: the first four notes are ascending eighth notes, and the last four notes are descending eighth notes. The notes are grouped into pairs of beamed eighth notes. The final note of each arpeggio is a whole note chordal note. The key signature for each staff is indicated by the number of flats in the key signature: Bb/F (one flat), F/C (one flat), C/G (one sharp), G/D (two sharps), D/A (three sharps), A/E (four sharps), E/B (five sharps), B/F# (six sharps), B/Gb (two flats), Gb/Db (three flats), Db/Ab (four flats), Ab/Eb (five flats), and Eb/Bb (six flats).