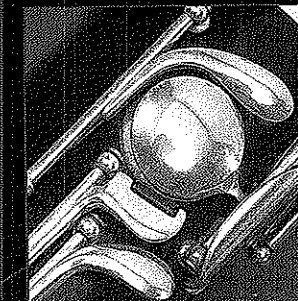
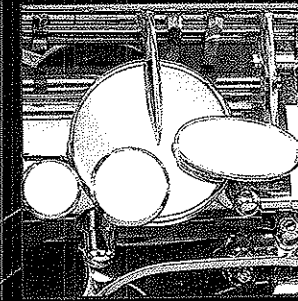
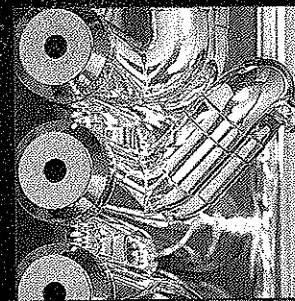
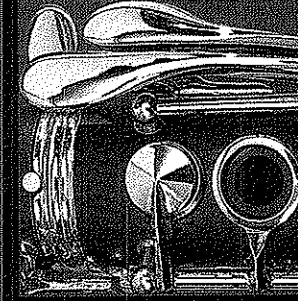
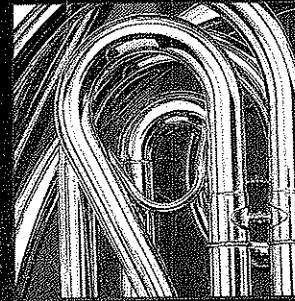
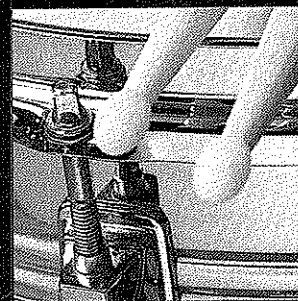
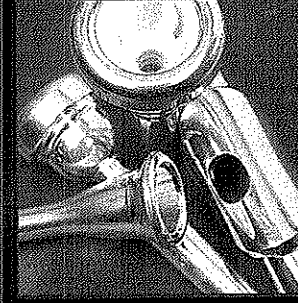
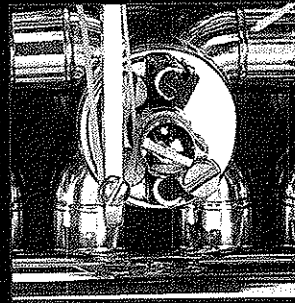
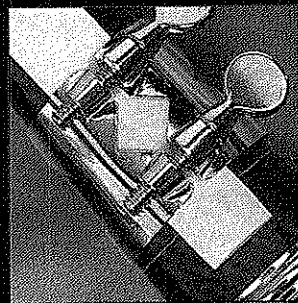
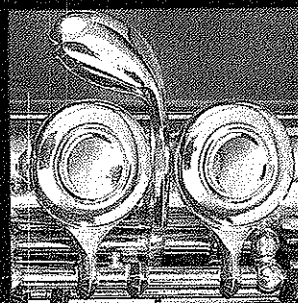


FOUNDATIONS FOR SUPERIOR PERFORMANCE

Warm-Ups & Technique for Band

Richard Williams & Jeff King



Kjos

NEIL A. KJOS
MUSIC COMPANY
PUBLISHER

Clarinet Fingering Chart

E	F	F#	Gb	G	G#	Ab	A	A#	Bb			
B	C	C#	Db	D	D#	Eb	E	F	F#	Gb		
G	G#	Ab	A	A#	Bb	B	C					
C#	Db	D	D#	Eb	E	F	F#	Gb	G	G#	Ab	A
A#	Bb	B	C	C#	Db	D	D#	Eb	E	F		
F#	Gb	G	G#	Ab	A	A#	Bb	B	C			

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

Clarinet

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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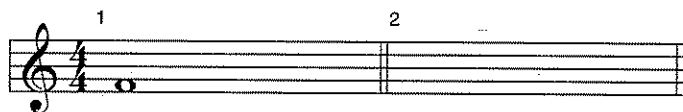
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Concert F Around The Band

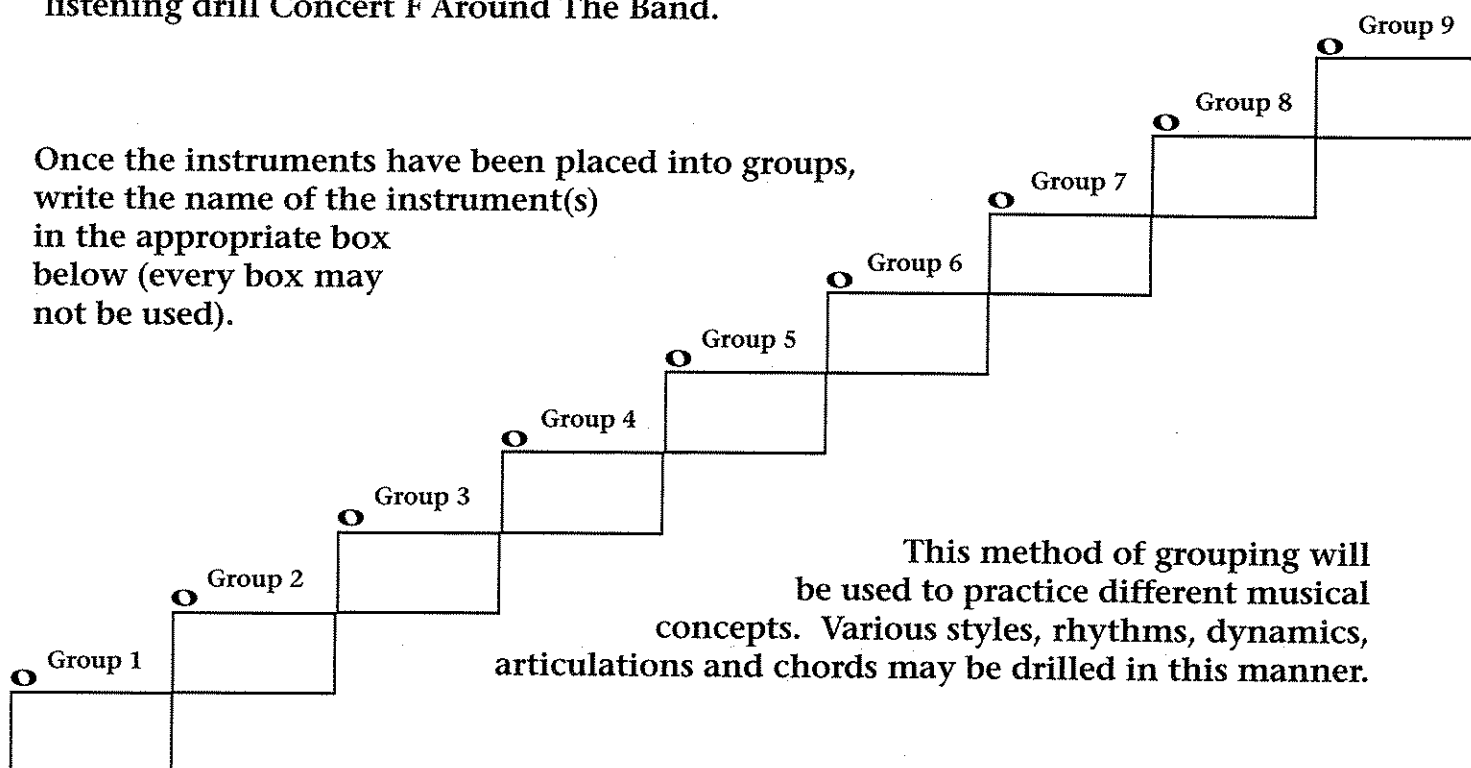
Each instrument will play concert F in their middle register. As a clarinetist, you will need to transpose the concert F in measure one to your instrument's pitch in measure two.

The transposition for clarinet is up a major second.



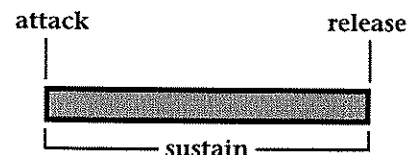
Your director will divide the band into various sections or groups for the listening drill Concert F Around The Band.

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 shape to each note (no bumps in the sound)
- hand off tenuto notes (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).

A musical staff in treble clef with a common time signature (C) containing four quarter notes. Below the staff are three bar graphs: the first shows four connected rectangular blocks representing tenuto notes; the second shows four tapered rectangular blocks representing lifted notes; the third shows four separated rectangular blocks representing staccato notes.

Eighth-notes in connected style.

Eighth-notes in lifted and short style.

A musical staff in treble clef with a common time signature (C) containing eight eighth notes. Below the staff are two bar graphs: the first shows eight connected rectangular blocks representing connected eighth notes; the second shows eight separated rectangular blocks representing lifted eighth notes.

Eighth-note triplets in connected style.

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

A musical staff in treble clef with a common time signature (C) containing eight eighth-note triplets. Each triplet is marked with a '3' above it. Below the staff are two bar graphs: the first shows eight connected rectangular blocks representing connected triplets; the second shows eight separated rectangular blocks representing detached triplets.

Sixteenth-notes in a connected style.

A musical staff in treble clef with a common time signature (C) containing sixteen sixteenth notes. Below the staff is one bar graph showing sixteen connected rectangular blocks representing connected sixteenth notes.

Articulation Exercise on Concert F

A sequence of five musical staves in treble clef with a common time signature (C), numbered 1 to 20. The exercise includes quarter notes, eighth notes, and eighth-note triplets. The first staff (1-5) has quarter notes. The second staff (6-10) has eighth notes. The third staff (11-14) has eighth notes. The fourth staff (15-18) has eighth-note triplets. The fifth staff (19-20) has sixteenth notes. There are asterisks indicating optional endings on whole notes at the end of staves 10, 14, and 18.

Long Tones

Concert F Descending

1

Musical notation for exercise 1, measures 1-7 and 8-14. The first staff shows measures 1-7 with fingerings 1, 2, 3, 4, 5, 6, 7. The second staff shows measures 8-14.

2

Musical notation for exercise 2, measures 1-4.

Long Tone 1

1a

Musical notation for exercise 1a, measures 1-7 and 8-14.

1b

Musical notation for exercise 1b, measures 1-7 and 8-14.

1c

Musical notation for exercise 1c, measures 1-5 and 6-10.

1d

Musical notation for exercise 1d, measures 1-6 and 7-12.

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 connected by slurs and include various accidentals (sharps, flats, naturals).

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 and major 2nd, notes 1-8. The first four notes (1-4) show minor 2nd intervals, and the next four notes (5-8) show major 2nd intervals.

intervals of a minor 3rd

intervals of a major 3rd

Musical notation for Long Tone 3a, intervals of a minor 3rd and major 3rd, notes 9-16. The first four notes (9-12) show minor 3rd intervals, and the next four notes (13-16) show major 3rd intervals.

intervals of a perfect 4th

intervals of an augmented 4th

Musical notation for Long Tone 3a, intervals of a perfect 4th and augmented 4th, notes 17-24. The first four notes (17-20) show perfect 4th intervals, and the next four notes (21-24) show augmented 4th intervals.

intervals of a perfect 5th

Musical notation for Long Tone 3a, intervals of a perfect 5th, notes 25-28. The first four notes (25-28) show 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, major 2nd, and minor 3rd, notes 1-6. The first two notes (1-2) show a minor 2nd, the next two (3-4) show a major 2nd, and the last two (5-6) show a minor 3rd.

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, perfect 4th, and augmented 4th, notes 7-12. The first two notes (7-8) show a major 3rd, the next two (9-10) show a perfect 4th, and the last two (11-12) show an augmented 4th.

Warm-Up Set 1

Option 1 (unison "lip slur" with brass)

Musical notation for Option 1, consisting of three staves of music. The first staff contains measures 1-5, the second staff contains measures 6-10, and the third staff contains measures 11-14. The music is in treble clef and 4/4 time, featuring quarter notes with various accidentals (sharps, naturals, flats) and slurs.

Option 2 (unison register study with brass)

Musical notation for Option 2, consisting of three staves of music. The first staff contains measures 1-5, the second staff contains measures 6-10, and the third staff contains measures 11-14. The music is in treble clef and 4/4 time, featuring quarter notes with various accidentals (sharps, naturals, flats) and slurs.

Options 3, 4, & 5 (technical patterns with brass lip slurs)

Articulation Patterns:

Musical notation for Option 3, consisting of a single staff of music in treble clef and 4/4 time, containing measures 1-4. The music features quarter notes with various accidentals and slurs.

Musical notation for Option 4, consisting of a single staff of music in treble clef and 4/4 time, containing measures 5-8. The music features quarter notes with various accidentals and slurs.

Musical notation for Option 5, consisting of a single staff of music in treble clef and 4/4 time, containing measures 9-12. The music features quarter notes with various accidentals and slurs.

Musical notation for Option 6, consisting of a single staff of music in treble clef and 4/4 time, containing measures 13-14. The music features quarter notes with various accidentals and slurs.

Warm-Up Set 2

Option 1 (unison "lip slur" with brass)

Musical notation for Option 1, consisting of three staves of music. The first staff starts at measure 1, the second at measure 6, and the third at measure 11. Each staff contains a sequence of notes with slurs indicating lip slurs.

Option 2 (unison register study with brass)

Musical notation for Option 2, consisting of three staves of music. The first staff starts at measure 1, the second at measure 6, and the third at measure 11. Each staff contains a sequence of notes with slurs indicating lip slurs.

Options 3, 4, & 5 (technical patterns with brass lip slurs)

Articulation Patterns:

Musical notation for Options 3, 4, & 5, consisting of four staves of music. The first staff starts at measure 1, the second at measure 5, the third at measure 9, and the fourth at measure 13. Each staff contains a sequence of notes with slurs indicating lip slurs.

Warm-Up Set 3

Option 1 (unison "lip slur" with brass)

Option 1 consists of three staves of music in 4/4 time. The first staff starts on C4 and moves up to G4. The second staff starts on B3 and moves up to F4. The third staff starts on E4 and moves up to C5. Each staff contains a sequence of eighth notes with slurs over groups of four notes, indicating lip slurs.

Option 2 (unison register study with brass)

Option 2 consists of three staves of music in 4/4 time. The first staff starts on C4 and moves up to G4. The second staff starts on B3 and moves up to F4. The third staff starts on E4 and moves up to C5. Each staff contains a sequence of eighth notes with slurs over groups of four notes, indicating lip slurs.

Options 3, 4, & 5 (technical patterns with brass lip slurs)

Articulation Patterns: 1 2 3 4 5 6 7 8

Options 3, 4, & 5 consist of four staves of music in 4/4 time. The first staff starts on C4 and moves up to G4. The second staff starts on B3 and moves up to F4. The third staff starts on E4 and moves up to C5. The fourth staff starts on C5 and moves up to G5. Each staff contains a sequence of eighth notes with slurs over groups of four notes, indicating lip slurs.

Warm-Up Set 4

Option 1 (unison "lip slur" with brass)

Musical notation for Option 1, consisting of three staves of music. 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. The notation includes various note values and slurs.

Option 2 (unison register study with brass)

Musical notation for Option 2, consisting of three staves of music. 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. The notation includes various note values and slurs.

Options 3, 4, & 5 (technical patterns with brass lip slurs)

Articulation Patterns: 1 2 3 4 5 6 7 8

Musical notation for Options 3, 4, and 5, consisting of four staves of music. The first staff contains measures 1 through 4, the second staff contains measures 5 through 8, the third staff contains measures 9 through 12, and the fourth staff contains measures 13 through 14. The notation includes various note values and slurs.

Technical Exercises in the Key of C (Concert B \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 C 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 rhythmic accompaniment of eighth notes.

Scale in Thirds*

Musical notation for Scale in Thirds* in C major, 4/4 time. The upper staff shows a scale of thirds, and the lower staff shows a scale of sixths.

Interval Study

Musical notation for Interval Study in C major, 4/4 time. The single staff contains a sequence of intervals: major second, minor second, major third, minor third, major fourth, minor fourth, major fifth, and minor fifth.

Triads of the C Scale

Musical notation for Triads of the C Scale in C major, 4/4 time. The single staff shows the seven triads of the scale: 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. The upper staff features a melodic line with six measures, and the lower staff provides a rhythmic accompaniment of eighth notes.

Chord Study 2 - articulations:

Musical notation for Chord Study 2 - articulations in C major, 4/4 time. The piece consists of two staves. The upper staff features a melodic line with six measures, and the lower staff provides a rhythmic accompaniment of eighth notes.

Technical Exercises in the Key of G (Concert F)

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 G 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 line with eighth-note accompaniment. A note in the first measure of the upper staff is marked with the instruction "(also practice 8va)".

Scale in Thirds*

Musical notation for Scale in Thirds* in G major, 4/4 time. The piece consists of two staves. The upper staff plays a scale in thirds, and the lower staff plays a scale in sixths, providing harmonic support.

Interval Study

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

Triads of the G Scale

Musical notation for Triads of the G Scale in G major, 4/4 time. The piece consists of a single staff showing the first seven triads of the scale: I (G major), ii (F# minor), iii (G minor), IV (C major), V (D major), vi (E minor), and vii^o (F# diminished). Each triad is shown with its constituent notes and a fingering suggestion.

Chord Study 1*

Musical notation for Chord Study 1* in G major, 4/4 time. The piece consists of two staves. The upper staff shows six measures of chords, each with a number (1-6) above it. The lower staff provides a bass line with eighth-note accompaniment.

Chord Study 2 - articulations:

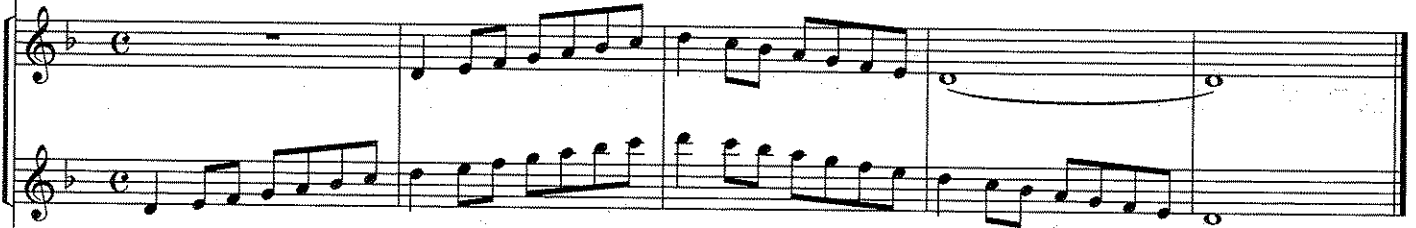
Musical notation for Chord Study 2 - articulations in G major, 4/4 time. The piece consists of two staves. The upper staff features a melodic line with triplets and slurs, and the lower staff provides a bass line with eighth-note accompaniment. The first measure of the upper staff is numbered 1, and the first measure of the lower staff is numbered 1.

Technical Exercises in the Key of D (Concert C)

Major Scale



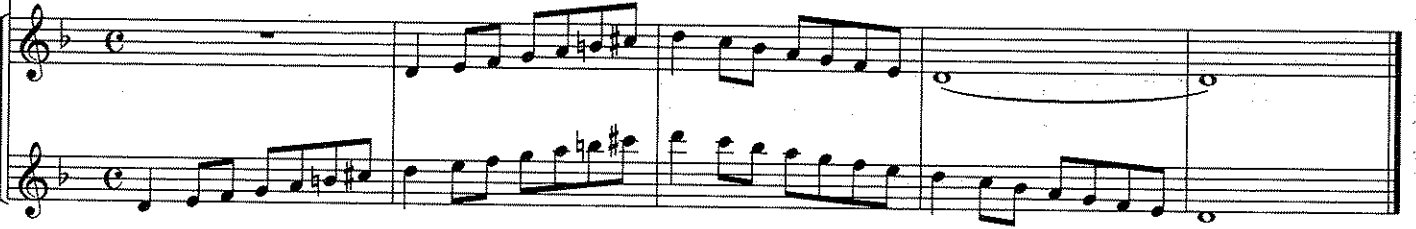
Natural Minor



Harmonic Minor

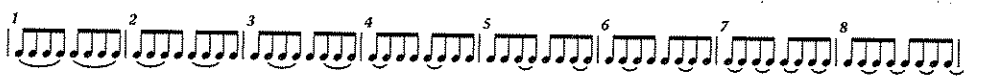


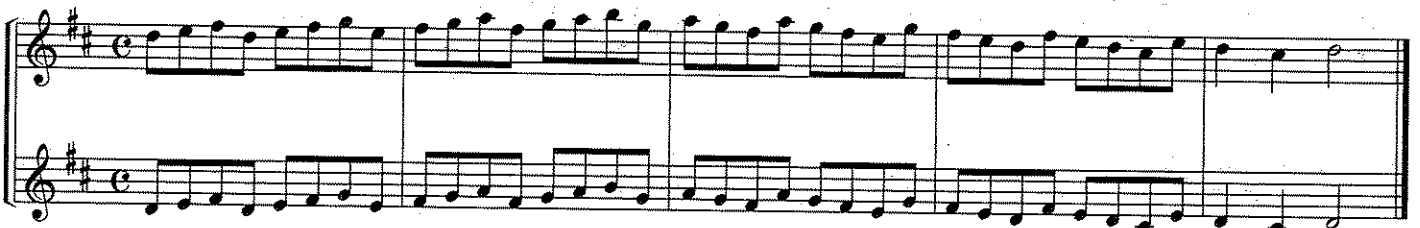
Melodic Minor



Mini-Scale & Tonic Arpeggio



Scale Pattern 1 *articulations: 



Scale Pattern 2*

Musical notation for Scale Pattern 2* in 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 steady accompaniment of eighth notes.

Scale in Thirds*

Musical notation for Scale in Thirds* in D 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 D major, 4/4 time. The single staff contains a sequence of intervals: eighth notes, quarter notes, and half notes.

Triads of the D Scale

Musical notation for Triads of the D Scale in D major, 4/4 time. The single staff shows seven triads labeled 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 has six measures of chords with eighth-note patterns, and the lower staff has a corresponding eighth-note accompaniment.

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 features sixteenth-note patterns with articulation marks (1-4) and triplets (3). The lower staff has a steady eighth-note accompaniment.

Technical Exercises in the Key of A (Concert G)

Major Scale

Musical notation for the Major Scale exercise in A major, 4/4 time. The exercise consists of two staves. The first staff contains the ascending scale: A4, B4, C5, D5, E5, F#5, G5, A5. The second staff contains the descending scale: A5, G5, F#5, E5, D5, C5, B4, A4. The piece concludes with a whole note chord of A major (A, C#, E) on the first staff.

Natural Minor

Musical notation for the Natural Minor scale exercise in A minor, 4/4 time. The exercise consists of two staves. The first staff contains the ascending scale: A4, B4, C5, D5, E5, F5, G5, A5. The second staff contains the descending scale: A5, G5, F5, E5, D5, C5, B4, A4. The piece concludes with a whole note chord of A minor (A, C, E) on the first staff.

Harmonic Minor

Musical notation for the Harmonic Minor scale exercise in A minor, 4/4 time. The exercise consists of two staves. The first staff contains the ascending scale: A4, B4, C5, D5, E5, F#5, G5, A5. The second staff contains the descending scale: A5, G5, F#5, E5, D5, C5, B4, A4. The piece concludes with a whole note chord of A minor (A, C, E) on the first staff.

Melodic Minor

Musical notation for the Melodic Minor scale exercise in A minor, 4/4 time. The exercise consists of two staves. The first staff contains the ascending scale: A4, B4, C5, D5, E5, F#5, G5, A5. The second staff contains the descending scale: A5, G5, F5, E5, D5, C5, B4, A4. The piece concludes with a whole note chord of A minor (A, C, E) on the first staff.

Mini-Scale & Tonic Arpeggio

Musical notation for the Mini-Scale & Tonic Arpeggio exercise in A major, 4/4 time. The exercise consists of two staves. The first staff contains an ascending eighth-note scale: A4, B4, C5, D5, E5, F#5, G5, A5. The second staff contains a descending eighth-note scale: A5, G5, F#5, E5, D5, C5, B4, A4. The piece concludes with a tonic arpeggio (A, C#, E) on the first staff. A note below the first staff reads: (also practice 8va w/cue note).

*Scale Pattern 1 *articulations:*

Articulation patterns for Scale Pattern 1, numbered 1 through 8. Each pattern shows a sequence of eighth notes with specific slurs and accents.

Musical notation for the Scale Pattern 1 exercise in A major, 4/4 time. The exercise consists of two staves. The first staff contains the ascending scale with articulations: A4, B4, C5, D5, E5, F#5, G5, A5. The second staff contains the descending scale with articulations: A5, G5, F#5, E5, D5, C5, B4, A4. The piece concludes with a tonic arpeggio (A, C#, E) on the first staff. A note below the first staff reads: (also practice 8va).

Scale Pattern 2*

Musical notation for Scale Pattern 2* in A 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 line with eighth-note accompaniment. A note in the upper staff is marked with the instruction "(also practice 8va)".

Scale in Thirds*

Musical notation for Scale in Thirds* in A major, 4/4 time. The piece consists of two staves. The upper staff plays a scale in thirds, and the lower staff plays a scale in sixths.

Interval Study

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

Triads of the A Scale

Musical notation for Triads of the A Scale in A major, 4/4 time. 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 A major, 4/4 time. The piece consists of two staves. The upper staff features six measures of chords with eighth-note patterns, numbered 1 through 6. The lower staff provides a bass line with eighth-note accompaniment.

Chord Study 2 - articulations:

Musical notation for Chord Study 2 - articulations in A major, 4/4 time. The piece consists of two staves. The upper staff features six measures of chords with eighth-note patterns, numbered 1 through 6, with triplets and accents. The lower staff provides a bass line with eighth-note accompaniment.

Technical Exercises in the Key of E (Concert D)

Major Scale

Natural Minor

Harmonic Minor

Melodic Minor

Mini-Scale & Tonic Arpeggio

Scale in Thirds - articulations: $\overset{1}{\curvearrowright}$ $\overset{2}{\curvearrowright}$ $\overset{3}{\curvearrowright}$ $\overset{4}{\curvearrowright}$ $\overset{5}{\curvearrowright}$ $\overset{6}{\curvearrowright}$ $\overset{7}{\curvearrowright}$ $\overset{8}{\curvearrowright}$

Technical Exercises in the Key of B (Concert A)

Major Scale

Musical notation for the Major Scale in B major, 4/4 time. The first staff contains the upper voice with a whole note chord at the end. The second staff contains the lower voice with a whole note chord at the end.

Natural Minor

Musical notation for the Natural Minor scale in B minor, 4/4 time. The first staff contains the upper voice with a whole note chord at the end. The second staff contains the lower voice with a whole note chord at the end.

Harmonic Minor

Musical notation for the Harmonic Minor scale in B minor, 4/4 time. The first staff contains the upper voice with a whole note chord at the end. The second staff contains the lower voice with a whole note chord at the end.

Melodic Minor

Musical notation for the Melodic Minor scale in B minor, 4/4 time. The first staff contains the upper voice with a whole note chord at the end. The second staff contains the lower voice with a whole note chord at the end.

Mini-Scale & Tonic Arpeggio

Musical notation for the Mini-Scale & Tonic Arpeggio exercise in B major, 4/4 time. The first staff contains the upper voice with a whole note chord at the end. The second staff contains the lower voice with a whole note chord at the end.

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

Musical notation for the Scale in Thirds exercise in B major, 4/4 time. The first staff contains the upper voice with a whole note chord at the end. The second staff contains the lower voice with a whole note chord at the end.

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

Major Scale

Natural Minor

Harmonic Minor

Melodic Minor

Mini-Scale & Tonic Arpeggio

(also practice 8va)

Scale in Thirds - articulations:

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

Major Scale

Two staves of musical notation for the Major Scale in D \flat major, 4/4 time. The first staff contains the ascending scale, and the second staff contains the descending scale. The key signature has two flats (B \flat and E \flat).

Natural Minor

Two staves of musical notation for the Natural Minor scale in D \flat major, 4/4 time. The first staff contains the ascending scale, and the second staff contains the descending scale. The key signature has two flats (B \flat and E \flat).

Harmonic Minor

Two staves of musical notation for the Harmonic Minor scale in D \flat major, 4/4 time. The first staff contains the ascending scale, and the second staff contains the descending scale. The key signature has two flats (B \flat and E \flat).

Melodic Minor

Two staves of musical notation for the Melodic Minor scale in D \flat major, 4/4 time. The first staff contains the ascending scale, and the second staff contains the descending scale. The key signature has two flats (B \flat and E \flat).

Mini-Scale & Tonic Arpeggio

Two staves of musical notation for the Mini-Scale & Tonic Arpeggio in D \flat major, 4/4 time. The first staff contains the ascending mini-scale, and the second staff contains the descending mini-scale. The key signature has two flats (B \flat and E \flat).

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

Two staves of musical notation for the Scale in Thirds in D \flat major, 4/4 time. The first staff contains the ascending scale, and the second staff contains the descending scale. The key signature has two flats (B \flat and E \flat).

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

Major Scale

Natural Minor

Harmonic Minor

Melodic Minor

Mini-Scale & Tonic Arpeggio

Scale Pattern 1 *articulations:

*Scale Pattern 2**

(also practice 8va)

*Scale in Thirds**

Interval Study

Triads of the Ab Scale

I ii iii IV V vi vii°

*Chord Study 1**

Chord Study 2 - articulations:

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

Major Scale

Natural Minor

Harmonic Minor

Melodic Minor

Mini-Scale & Tonic Arpeggio

Scale Pattern 1 * articulations: $\overset{1}{\text{eighth notes}}$ $\overset{2}{\text{eighth notes}}$ $\overset{3}{\text{eighth notes}}$ $\overset{4}{\text{eighth notes}}$ $\overset{5}{\text{eighth notes}}$ $\overset{6}{\text{eighth notes}}$ $\overset{7}{\text{eighth notes}}$ $\overset{8}{\text{eighth notes}}$

Scale Pattern 2*

Scale in Thirds*

Interval Study

Triads of the E \flat Scale

Chord Study 1*

Chord Study 2 - articulations:

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

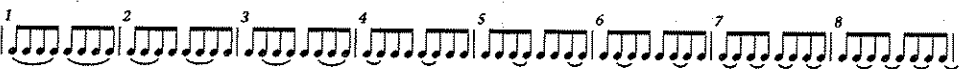
Major Scale

Natural Minor

Harmonic Minor

Melodic Minor

Mini-Scale & Tonic Arpeggio

*Scale Pattern 1 *articulations:* 

Scale Pattern 2*

Musical notation for Scale Pattern 2* in 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 bass accompaniment with a steady eighth-note rhythm. A note below the first measure of the upper staff reads "(also practice 8va)".

Scale in Thirds*

Musical notation for Scale in Thirds* in B-flat major, 4/4 time. The piece consists of two staves. The upper staff shows a scale of thirds, and the lower staff shows a corresponding bass line.

Interval Study

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

Triads of the B \flat Scale

Musical notation for Triads of the B \flat Scale in B-flat major, 4/4 time. 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 B-flat major, 4/4 time. The piece consists of two staves. The upper staff shows six measures of chords with eighth-note patterns, and the lower staff shows a bass line. The measures are numbered 1 through 6.

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 shows six measures of chords with eighth-note patterns and articulation marks (accents and slurs). The lower staff shows a bass line. The measures are numbered 1 through 6.

Technical Exercises in the Key of F (Concert Eb)

Major Scale

Two staves of music in F major, common time. The first staff contains an ascending scale from F4 to F5. The second staff contains a descending scale from F5 to F4. Both scales are marked with a slur. The exercise concludes with a final chord consisting of F4, C4, and F3.

Natural Minor

Two staves of music in F minor, common time. The first staff contains an ascending scale from F4 to F5. The second staff contains a descending scale from F5 to F4. Both scales are marked with a slur. The exercise concludes with a final chord consisting of F4, C4, and F3.

Harmonic Minor

Two staves of music in F harmonic minor, common time. The first staff contains an ascending scale from F4 to F5, with a natural sign under the B4 note. The second staff contains a descending scale from F5 to F4, with a natural sign under the B4 note. Both scales are marked with a slur. The exercise concludes with a final chord consisting of F4, C4, and F3.

Melodic Minor

Two staves of music in F melodic minor, common time. The first staff contains an ascending scale from F4 to F5, with natural signs under the B4 and C5 notes. The second staff contains a descending scale from F5 to F4, with natural signs under the B4 and C5 notes. Both scales are marked with a slur. The exercise concludes with a final chord consisting of F4, C4, and F3.

Mini-Scale & Tonic Arpeggio

Two staves of music in F major, common time. The first staff contains a mini-scale from F4 to F5, marked with a slur and the text "(also practice 8va)". The second staff contains a tonic arpeggio starting on F4, moving to C4, then F3, and back to F4. The arpeggio is also marked with a slur.

Scale Pattern 1 *articulations:

Eight rhythmic patterns of eighth notes, numbered 1 through 8, used for articulation in the following exercise. Each pattern is shown as a sequence of eighth notes with a specific grouping or accent.

Two staves of music in F major, common time. The first staff contains a mini-scale from F4 to F5, marked with a slur and the text "(also practice 8va)". The second staff contains a tonic arpeggio starting on F4, moving to C4, then F3, and back to F4. The arpeggio is also marked with a slur.

Scale Pattern 2*

Musical notation for Scale Pattern 2* in F major, 2/4 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. A note in the upper staff is marked with the instruction "(also practice 8va)".

Scale in Thirds*

Musical notation for Scale in Thirds* in F major, 2/4 time. The piece consists of two staves. The upper staff plays a scale in thirds, while the lower staff plays a scale in eighth notes. A note in the upper staff is marked with the instruction "(also practice 8va)".

Interval Study

Musical notation for Interval Study in F major, 2/4 time. The piece consists of a single staff with a sequence of eighth-note intervals ascending and then descending across the scale.

Triads of the F Scale

Musical notation for Triads of the F Scale in F major, 2/4 time. The piece consists of a single staff showing seven triads labeled I, ii, iii, IV, V, vi, and vii^o. Each triad is shown with its constituent notes and a rhythmic pattern.

Chord Study 1*

Musical notation for Chord Study 1* in F major, 2/4 time. The piece consists of two staves. The upper staff features six measures of chords, each with a number (1-6) above it. The lower staff provides a bass accompaniment of eighth notes.

Chord Study 2 - articulations:

Musical notation for Chord Study 2 - articulations in F major, 2/4 time. The piece consists of two staves. The upper staff features six measures of chords with articulation marks (accents) above them, each with a number (1-6) above it. The lower staff provides a bass accompaniment of eighth notes.

Chorales & Tuning Exercises in C (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 score for Chorale 2 (full band) in C major, 4/4 time. The score consists of two staves. The first staff is labeled 'Cl 1/2' and begins with a dynamic marking of *mf*. It contains measures 1 through 8, with measure numbers 1, 2, 3, and 4 indicated above the staff. The second staff continues from measure 5 to 8, with measure numbers 5, 6, 7, and 8 indicated above the staff. A *ritard* marking is placed below the second staff between measures 7 and 8.

Chorale Melody on Chester

Musical score for Chorale Melody on Chester in C major, 4/4 time. The score is arranged in three staves: Subdivision, Chorale Melody, and Bopped. The Subdivision staff contains measures 1 through 8, with measure numbers 1, 2, 3, and 4 indicated above the staff, and a '(cadence)' marking above measure 4. The Chorale Melody staff begins with a dynamic marking of *mf* and contains measures 1 through 8. The Bopped staff contains measures 1 through 8. The second system of the score contains measures 5 through 8, with measure numbers 5, 6, 7, and 8 indicated above the staff, and a '(cadence)' marking above measure 8.

Chester (full band)

Musical score for Chester (full band) in C major, 4/4 time. The score consists of four staves. The first staff is labeled 'Cl 1/2' and begins with a dynamic marking of *mf*. It contains measures 1 through 8, with measure numbers 1, 2, 3, and 4 indicated above the staff. The second staff continues from measure 5 to 8, with measure numbers 5, 6, 7, and 8 indicated above the staff. The third staff contains measures 9 through 12, with measure numbers 9, 10, 11, and 12 indicated above the staff, and a dynamic marking of *mp* below measure 9. The fourth staff contains measures 13 through 16, with measure numbers 13, 14, 15, and 16 indicated above the staff, and dynamic markings of *mf* and *f* below measures 13 and 16 respectively.

Chorales & Tuning Exercises in G (Concert F)

Interval Tuning

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

A single staff of music in G major, 4/4 time. It shows six measures of intervals starting from the tonic G. Measure 1: G (1). Measure 2: G-B (2). Measure 3: G-C (3). Measure 4: G-D (4). Measure 5: G-E (5). Measure 6: G-F# (6).

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

A single staff of music in G major, 4/4 time. It shows four measures of intervals of a major 3rd. Measure 1: I (G-B). Measure 2: IV (C-E). Measure 3: V (D-F#). Measure 4: I (G-B).

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

A single staff of music in G major, 4/4 time. It shows four measures of intervals of a perfect 5th. Measure 1: I (G-D). Measure 2: IV (C-G). Measure 3: V (D-A). Measure 4: I (G-D).

Chord Tuning

Two staves of music. The top staff is labeled 'Cues' and the bottom staff is labeled 'Cl 1/2'. Both are in G major, 4/4 time. Measure 1: I (root). Measure 2: IV (3rd). Measure 3: V (5th). Measure 4: I (3rd).

Two staves of music. The top staff is labeled 'Cues' and the bottom staff is labeled 'Cl 1/2'. Both are in G major, 4/4 time. Measure 5: V (root). Measure 6: V7 (3rd). Measure 7: I (5th). Measure 8: I (3rd). Measure 9: I (root).

Chorale 3 (full band)

Two staves of music in G major, 4/4 time. The first staff is labeled 'Cl 1/2' and starts with a dynamic marking of 'mf'. It contains measures 1 through 5. The second staff contains measures 6 through 11.

Chorale 4 (full band)

Musical score for Chorale 4 (full band) for Clarinet 1/2 (Cl 1/2). The score is in G major and common time. It consists of two staves of music. The first staff contains measures 1 through 4, and the second staff contains measures 5 through 8. The dynamic marking is *mf*. Measure numbers 1, 2, 3, 4, 5, 6, 7, and 8 are indicated above the notes.

Chorale Melody on Bach 95

Musical score for Chorale Melody on Bach 95. The score is in G major and common time. It consists of three staves: Subdivision, Chorale Melody, and Bopped. The dynamic marking is *mf*. The Subdivision staff shows eighth-note patterns. The Chorale Melody staff shows the main melody. The Bopped staff shows a rhythmic accompaniment. Measure numbers 1 through 8 are indicated above the notes. The word "(cadence)" appears at the end of measure 4 and measure 8.

Bach 95 (full band)

Musical score for Bach 95 (full band) for Clarinet 1/2 (Cl 1/2). The score is in G major and common time. It consists of three staves of music. The first staff contains measures 1 through 4, the second staff contains measures 5 through 8, and the third staff contains measures 9 through 12. The dynamic marking is *mf*. Measure numbers 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12 are indicated above the notes.

Chorales & Tuning Exercises in F (Concert Eb)

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 score for Chorale 6 (full band) for Clarinet in C (Cl 1/2). The score is in 3/4 time and begins with a mezzo-forte (*mf*) dynamic. It consists of two staves of music. The first staff contains measures 1 through 4, and the second staff contains measures 5 through 8. The music features a melodic line with some grace notes and a supporting bass line.

Chorale Melody on America

Musical score for Chorale Melody on America. The score is in 3/4 time and begins with a mezzo-forte (*mf*) dynamic. It is divided into three parts: Subdivision, Chorale Melody, and Bopped. The Subdivision part is a single staff of eighth notes. The Chorale Melody part is a single staff of quarter notes. The Bopped part is a single staff of quarter notes with a rhythmic pattern. The score consists of two systems of three staves each. The first system contains measures 1 through 3, and the second system contains measures 4 through 6, ending with a cadence. The music features a melodic line with some grace notes and a supporting bass line.

America (full band)

Musical score for America (full band) for Clarinet in C (Cl 1/2). The score is in 3/4 time and begins with a mezzo-forte (*mf*) dynamic. It consists of three staves of music. 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. The music features a melodic line with some grace notes and a supporting bass line.

Chorale & Tuning Exercises in D (Concert C)

Interval Tuning

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

Chord Tuning

Air (full band)

Chorale & Tuning Exercises in d 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 A (Concert G)

Interval Tuning

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

Chord Tuning

Pavane (full band)

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

Interval Tuning

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

A single staff of music in C minor, 4/4 time. It contains six measures, each with a whole note. Measure 1: C4 (tonic). Measure 2: Eb4 (minor 3rd). Measure 3: G4 (perfect 4th). Measure 4: Bb4 (perfect 5th). Measure 5: C5 (octave). Measure 6: C4 (tonic).

Chord Tuning

Two systems of musical notation for chord tuning. The first system has two staves: 'Cues' (top) and 'Cl 1/2' (bottom). The second system has two staves: 'V' (top) and 'V7' (bottom).
System 1: Measure 1: Cues (root), Cl 1/2 (i). Measure 2: Cues (3rd), Cl 1/2 (5th). Measure 3: Cues (root), Cl 1/2 (iv). Measure 4: Cues (5th), Cl 1/2 (3rd).
System 2: Measure 5: V (root), V7 (5th). Measure 6: V (3rd), V7 (7th). Measure 7: V (3rd), V7 (root).

The Queene's Alman (full band)

Four staves of musical notation for 'The Queene's Alman' in C minor, 4/4 time. The first staff is for Cl 1/2 and starts with a *mf* dynamic marking. The notation includes 16 measures of music with various rhythmic patterns and accidentals.

Chorale & Tuning Exercises in B \flat (Concert A \flat)

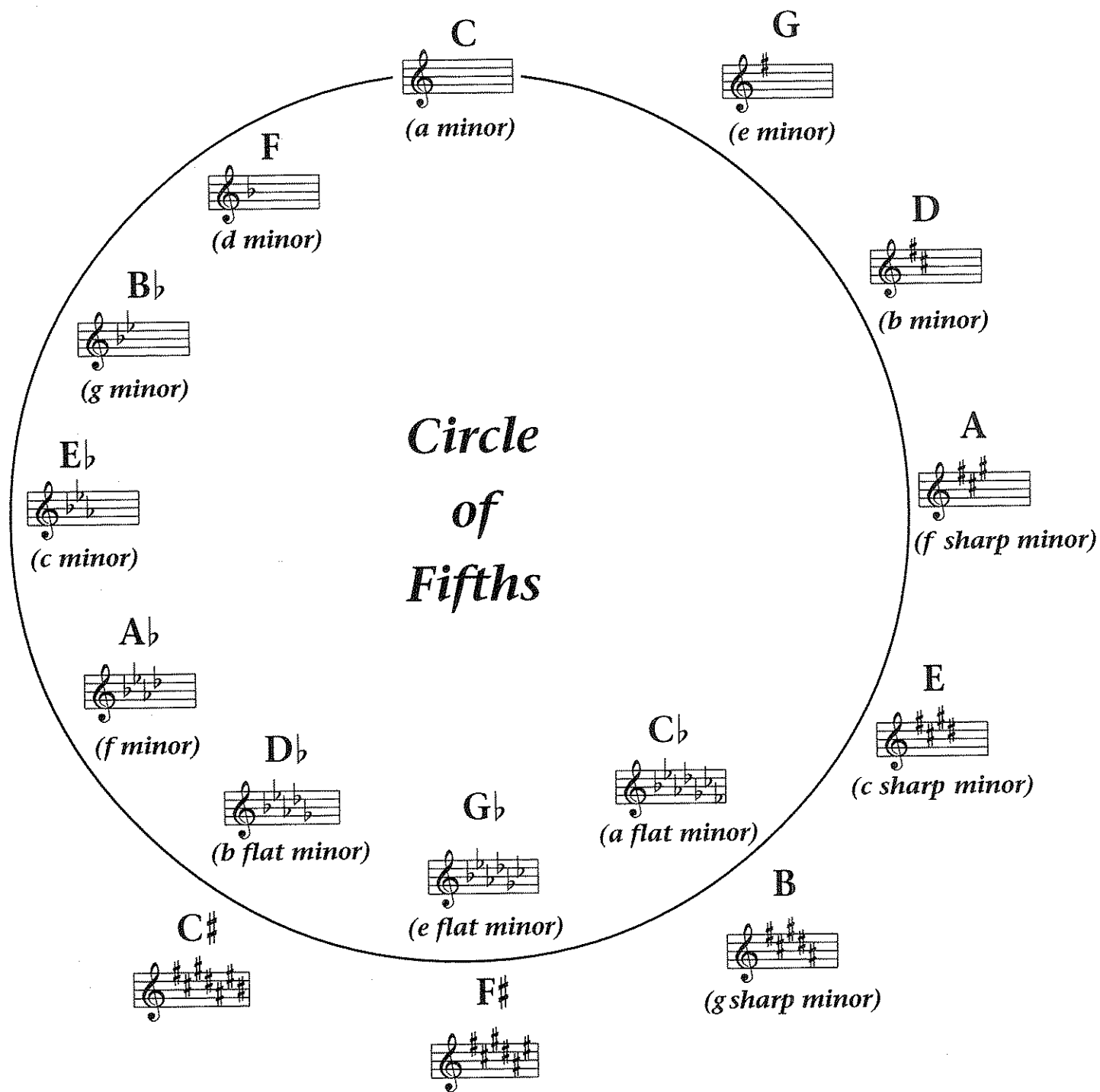
Interval Tuning

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

B \flat /C



Two musical staves for the B-flat/C key signature. The first staff shows an ascending one-octave scale starting on C4. The second staff shows a descending one-octave scale starting on C5. The arpeggio below the scale is a C major triad (C4, E4, G4).

F/G



Two musical staves for the F/G key signature. The first staff shows an ascending one-octave scale starting on G4. The second staff shows a descending one-octave scale starting on G5. The arpeggio below the scale is an F major triad (F4, A4, C5).

C/D



Two musical staves for the C/D key signature. The first staff shows an ascending one-octave scale starting on D4. The second staff shows a descending one-octave scale starting on D5. The arpeggio below the scale is a C major triad (C4, E4, G4).

G/A



Two musical staves for the G/A key signature. The first staff shows an ascending one-octave scale starting on A4. The second staff shows a descending one-octave scale starting on A5. The arpeggio below the scale is a G major triad (G4, B4, D5).

D/E



Two musical staves for the D/E key signature. The first staff shows an ascending one-octave scale starting on E4. The second staff shows a descending one-octave scale starting on E5. The arpeggio below the scale is a D major triad (D4, F#4, A4).

A/B



Two musical staves for the A/B key signature. The first staff shows an ascending one-octave scale starting on B4. The second staff shows a descending one-octave scale starting on B5. The arpeggio below the scale is an A major triad (A4, C#4, E4).

E/F#



Two musical staves for the E/F# key signature. The first staff shows an ascending one-octave scale starting on F#4. The second staff shows a descending one-octave scale starting on F#5. The arpeggio below the scale is an E major triad (E4, G#4, B4).

E/G \flat



Two musical staves for the E/G-flat key signature. The first staff shows an ascending one-octave scale starting on G4. The second staff shows a descending one-octave scale starting on G5. The arpeggio below the scale is an E major triad (E4, G#4, B4).

B/D \flat



Two musical staves for the B/D-flat key signature. The first staff shows an ascending one-octave scale starting on D4. The second staff shows a descending one-octave scale starting on D5. The arpeggio below the scale is a B major triad (B4, D#4, F#4).

G \flat /A \flat  Musical staff in G \flat /A \flat showing a chromatic scale in C major with a key signature of two flats. The scale consists of 12 notes: G \flat , A \flat , B \flat , C, D, E, F, G, A, B, C, B \flat , A \flat , G \flat .

D \flat /E \flat  Musical staff in D \flat /E \flat showing a chromatic scale in C major with a key signature of two flats. The scale consists of 12 notes: D \flat , E \flat , F, G, A, B, C, D, E, F, G, F \flat , E \flat , D \flat .

A \flat /B \flat  Musical staff in A \flat /B \flat showing a chromatic scale in C major with a key signature of two flats. The scale consists of 12 notes: A \flat , B \flat , C, D, E, F, G, A, B, C, B \flat , A \flat .

E \flat /F  Musical staff in E \flat /F showing a chromatic scale in C major with a key signature of two flats. The scale consists of 12 notes: E \flat , F, G, A, B, C, D, E, F, G, F \flat , E \flat .

Chromatic Exercises

 Musical staff for chromatic exercise 1-8. It shows a chromatic scale in C major with a key signature of two flats, numbered 1 through 8. The notes are: 1. G \flat , 2. A \flat , 3. B \flat , 4. C, 5. D, 6. E, 7. F, 8. G. Musical staff for chromatic exercise 9-17. It shows a chromatic scale in C major with a key signature of two flats, numbered 9 through 17. The notes are: 9. A, 10. B, 11. C, 12. D, 13. E, 14. F, 15. G, 16. A, 17. B.


C Chromatic Scale (Concert B \flat)

 Musical staff for C Chromatic Scale (Concert B \flat). It shows a chromatic scale in C major with a key signature of two flats, numbered 1 through 4. The notes are: 1. C, 2. D, 3. E, 4. F.

G Chromatic Scale (Concert F)

 Musical staff for G Chromatic Scale (Concert F). It shows a chromatic scale in C major with a key signature of two flats, numbered 1 through 4. The notes are: 1. G, 2. A, 3. B, 4. C. Musical staff for chromatic exercise 5-7. It shows a chromatic scale in C major with a key signature of two flats, numbered 5 through 7. The notes are: 5. D, 6. E, 7. F.

Full Range Scales
In All Twelve Major Key Signatures

B \flat /C  Musical notation for the B-flat/C scale in treble clef, common time. The scale starts on B-flat and ends on C.

F/G  Musical notation for the F/G scale in treble clef, common time. The scale starts on F and ends on G. It consists of two lines of notation.

C/D  Musical notation for the C/D scale in treble clef, common time. The scale starts on C and ends on D.

G/A  Musical notation for the G/A scale in treble clef, common time. The scale starts on G and ends on A.

D/E  Musical notation for the D/E scale in treble clef, common time. The scale starts on D and ends on E. It consists of two lines of notation.

A/B  Musical notation for the A/B scale in treble clef, common time. The scale starts on A and ends on B.

E/F#  Musical notation for the E/F# scale in treble clef, common time. The scale starts on E and ends on F#. It consists of two lines of notation.

E/Gb

Two staves of musical notation in E-flat major (three flats) and common time. The first staff contains a melodic line with eighth and sixteenth notes, and the second staff contains a bass line with a similar rhythmic pattern.

B/Db

One staff of musical notation in B-flat major (two flats) and common time, continuing the melodic and bass line from the previous staff.

Gb/Ab

One staff of musical notation in G-flat major (four flats) and common time, continuing the melodic and bass line.

Db/Eb

One staff of musical notation in D-flat major (three flats) and common time, continuing the melodic and bass line.

Ab/Bb

One staff of musical notation in A-flat major (two flats) and common time, continuing the melodic and bass line.

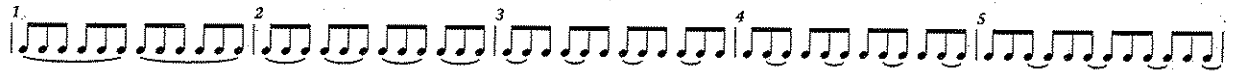
Eb/F

Two staves of musical notation in E-flat major (three flats) and common time, continuing the melodic and bass line.

Full Range Chromatic - For Clarinets Only

Three staves of musical notation for a chromatic exercise. The first staff shows measures 1-4 with fingerings 1, 2, 3, and 4. The second staff shows measures 5-8 with fingerings 5, 6, 7, and 8. The third staff shows measures 9-10 with fingerings 9 and 10. The exercise covers the full range of the clarinet, including the altissimo register.

Chromatic Scales



D/E

Musical notation for the D/E chromatic scale. It consists of two staves in treble clef with a common time signature. The top staff contains the ascending and descending eighth-note lines, with triplets of three notes indicated above. The bottom staff contains the same eighth-note lines, with triplets of three notes indicated below. The text "(also practice 8va)" is written below the bottom staff.

E \flat /F

Musical notation for the E \flat /F chromatic scale. It consists of two staves in treble clef with a common time signature. The top staff contains the ascending and descending eighth-note lines, with triplets of three notes indicated above. The bottom staff contains the same eighth-note lines, with triplets of three notes indicated below. The text "(also practice 8va)" is written below the bottom staff.

E/F \sharp

Musical notation for the E/F \sharp chromatic scale. It consists of two staves in treble clef with a common time signature. The top staff contains the ascending and descending eighth-note lines, with triplets of three notes indicated above. The bottom staff contains the same eighth-note lines, with triplets of three notes indicated below. The text "(also practice 8va)" is written below the bottom staff.

F/G

Musical notation for the F/G chromatic scale. It consists of two staves in treble clef with a common time signature. The top staff contains the ascending and descending eighth-note lines, with triplets of three notes indicated above. The bottom staff contains the same eighth-note lines, with triplets of three notes indicated below. The text "(also practice 8va)" is written below the bottom staff.

G \flat /A \flat

Musical notation for the G \flat /A \flat chromatic scale. It consists of two staves in treble clef with a common time signature. The top staff contains the ascending and descending eighth-note lines, with triplets of three notes indicated above. The bottom staff contains the same eighth-note lines, with triplets of three notes indicated below.

G/A

Musical notation for the G/A chromatic scale. It consists of two staves in treble clef with a common time signature. The top staff contains the ascending and descending eighth-note lines, with triplets of three notes indicated above. The bottom staff contains the same eighth-note lines, with triplets of three notes indicated below.

Ab/Bb

Musical score for *Ab/Bb* in common time. The score consists of two staves. The upper staff features a melodic line with eighth-note triplets and a final half-note. The lower staff features a bass line with eighth-note triplets and a final half-note. The key signature has two flats (Ab and Bb).

A/B

Musical score for *A/B* in common time. The score consists of two staves. The upper staff features a melodic line with eighth-note triplets and a final half-note. The lower staff features a bass line with eighth-note triplets and a final half-note. The key signature has no sharps or flats (A and B).

Bb/C

Musical score for *Bb/C* in common time. The score consists of two staves. The upper staff features a melodic line with eighth-note triplets and a final half-note. The lower staff features a bass line with eighth-note triplets and a final half-note. The key signature has one flat (Bb and C).

B/Db

Musical score for *B/Db* in common time. The score consists of two staves. The upper staff features a melodic line with eighth-note triplets and a final half-note. The lower staff features a bass line with eighth-note triplets and a final half-note. The key signature has two flats (B and Db).

C/D

Musical score for *C/D* in common time. The score consists of two staves. The upper staff features a melodic line with eighth-note triplets and a final half-note. The lower staff features a bass line with eighth-note triplets and a final half-note. The key signature has no sharps or flats (C and D).

Db/Eb

Musical score for *Db/Eb* in common time. The score consists of two staves. The upper staff features a melodic line with eighth-note triplets and a final half-note. The lower staff features a bass line with eighth-note triplets and a final half-note. The key signature has three flats (Db and Eb).

Major Arpeggios & Inversions

This musical score displays twelve major arpeggios and their inversions, each on a separate staff. The arpeggios are: Bb/C, F/G, C/D, G/A, D/E, A/B, E/E#, E/Gb, B/Db, Gb/Ab, Db/Eb, and Ab/Bb. Each staff begins with a treble clef and a common time signature (C). The notes are written in a sequence that starts with the root note and moves through the other notes of the chord in a specific order, ending with a whole note. The key signatures are: Bb/C (one flat), F/G (one sharp), C/D (two sharps), G/A (three sharps), D/E (four sharps), A/B (five sharps), E/E# (six sharps), E/Gb (three flats), B/Db (four flats), Gb/Ab (five flats), Db/Eb (six flats), and Ab/Bb (seven flats).