CREATING THE FOUNDATIONS OF A COMPREHENSIVE JUNIOR CONCERT BAND PROGRAM

by

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ABSTRACT

The Curriculum Development Branch of the Ministry of Education of the Province of British Columbia issued Secondary Music (8-12) A Curriculum/Resource Guide during the 1980-81 academic year. The Guide contains the learning outcomes and content for band with sample outlines and units intended to guide band instruction through the introductory, intermediate and senior levels. Specific, sequential and comprehensive lesson plans, exercises and examinations designed to accomplish and evaluate each of the learning outcomes and content are not provided. The Guide has not created consistent standards throughout the province. My observations of numerous classroom situations and discussions of the problem with my collegues and supervisor lead me to speculate that an inadequate or incomplete distribution of resource materials made band directors unwilling or unprepared to supplement the Guide. A review of the literature showed that many books pertaining to the stated learning outcomes and content of the Guide exist however the information has not been compiled and organized into complete, self-contained lesson plans, exercises and examinations.

After ten months of research, I had gathered thousands of pages of material relevant to each of the stated band skills and objectives in the Guide. I recognized that the dimensions were beyond my immediate resources so I contained my planning to the first three learning outcomes (technical competency, articulation and theory) and further reduced the scope by limiting instruction to the first three years (8-10).

Preliminary and revised instructional materials and evaluation devices contained in this thesis were prepared based on the long-term learning outcomes of the Guide and the medium- and short-term learning outcomes from various sources in the literature. The process of developing the foundations of a comprehensive junior concert band program involves teaching students how to read and understand music (chapter 1), how to recognize and perform melodic and rhythmic patterns (chapters 2-3), and how to develop musicianship by correctly applying articulation and dynamic techniques to the scales and drills that are the rudiments of performance (chapters 4-5).

The Guide has outlined the goals of a Secondary Band Program. This thesis provides possible methods for the accomplishment and evaluation of selected goals within the program. Subsequent coverage of the goals could provide a textbook for band instruction throughout the province which would permit students to move from district to district and be as prepared musically as they are academically.

> John Alexander Balanuik August, 1984

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Chapter 1

MUSIC THEORY

Introduction to the Problem

The Curriculum Development Branch of the Ministry of Education of the Province of British Columbia issued Secondary Music (8-12) A Curriculum/Resource Guide in 1980.¹ This book "addresses itself to human growth and development. Historical components are combined with the technological advances of today's society so that students become musically literate, technically competent and aesthetically responsive."² The Guide contains the learning outcomes and content for band with sample outlines and units intended to guide band instruction through the introductory, intermediate and senior levels. Specific, sequential and comprehensive lesson plans, exercises and examinations designed to accomplish and evaluate each of the learning outcomes and content are not provided. The Guide is intended to be supplemented by music teachers. This thesis, "Creating the Foundations of a Comprehensive Junior Concert Band Program", will examine possible ways of achieving the learning outcomes and content of technical competency, articulation and theory as defined by the Ministry of Education.

I define "Junior Concert Band" as band in grades 8-10 and describe grades 6-7 theory and recorder classes as "Pre-Band". The learning outcomes the students should be able to demonstrate after successful completion of Pre-Band and Junior Concert Band are:³

Technical Competency

The student should be able to demonstrate competency through the ranges of a band instrument.	<pre>-refinement of embouchure -accurate intonation -major, minor and chromatic scales in varying tempi and articulation patterns -arpeggios -breath control through diaphragmatic</pre>
	breathing

Articulation

The student should be able	-legato, staccato and tenuto
to demonstrate and apply	tonguing
articulation and dynamic	-lip flexibility
techniques.	-attack
- · · ·	-release
	-accents

Theory

The student should be able to understand the symbols and technical terms of music and display competency in their application. -dynamics -tempo indications -accidentals and enharmonic tones -syncopation -phrasing -balance -simple, compound and irregular metres -modes -interval study in varying applications

both vocally and with the instrument

-refinement of tone quality

The medium-term learning outcomes the student should be able to demonstrate after successful completion of Pre-band and one year of Junior Concert Band are as follows.⁴

Individual Skills

While playing all major scales in whole notes (o = 96), the student should be able to perform the following skills.

- 1. Demonstrate the correct embouchure for his instrument.
- 2. Show the correct hand and finger position for his instrument.

3. Maintain the following posture: student seated on the front six inches of the chair, feet flat on the floor, back straight, head upright and arms relaxed and away from the body.

4. Demonstrate abdominal breathing.

5. Produce a tone with the proper attack.

6. Produce a good tone.

7. Correctly finger 90% of the notes introduced during the first year (of Junior Concert Band).

8. Perform the above scales from memory with only one missed note per scale.

Discriminating Skills

1. Label the different note values introduced during the first year (of Junior Concert Band) with 90% accuracy.

2. Write the note and rest values introduced during the first year (of Junior Concert Band) with 90% accuracy.

3. Clap five rhythms selected from the method book (or the rhythmic exercises) with 90% accuracy.

4. Perform in 4/4, 2/4, 3/4 and ¢ meters.

5. Recognize if a pitch is louder or softer than a given pitch in nine out of ten pitches.

6. Tell if a pitch is higher or lower than a given pitch in nine out of ten pitches.

7. Differentiate between a major and minor chord given aurally in seven out of ten chords.

8. Write intervals from unison to octave with 90% accuracy.

9. Write the letter names for all notes in the treble clef with

80% accuracy.

10. Write the key signature for all major keys with 90% accuracy.

11. Take rhythmic dictation of five exercises selected from the method book with 85% accuracy.

12. Differentiate between a good tone and a bad tone when played by the director or a student in eight out of ten tones.

13. All exercises in theory of music level 1.

Interpretive Skills

1. Indicate the phrases in five exercises selected from the method book with 90% accuracy.

2. Indicate the high point in a phrase in five selected exercises with 90% accuracy.

3. Define the music terminology used in the method book with 90% accuracy.

4. Demonstrate normal tonguing and slurring in performing five selected exercises from the method book with 90% accuracy.

5. Demonstrate correct phrasing in performing five exercises selected from the method book with 90% accuracy.

6. Demonstrate correct concert procedure during the performance of one piece of music selected from the method book.

Humanistic Skills

1. Indicate personal responsibility through adequate individual practice of at least thirty minutes a day.

2. Show acceptable behavior in class as determined by the director and the class.

3. Demonstrate the ability to function in a group as determined

by the director.

4. Show responsibility towards the group by attending all performances.

5. Give constructive criticism in a positive manner as determined by the director.

6. Accept constructive criticism as determined by the director.

The medium-term learning outcomes the student should be able to demonstrate after successful completion of Pre-band and two years of Junior Concert Band are as follows.⁵

Individual Skills

1. Correctly finger the notes in the standard range of his instrument with 90% accuracy.

2. Tell if nine out of ten given pitches are in tune with another pitch.

3. Play in tune during the performance of music played during the last month of school.

4. Play all major scales in quarter notes (\bullet = 96) one octave, from memory with only one missed note per scale.

5. Play all harmonic and melodic minor scales in whole notes
(= 96) one octave with only one missed note per scale.

6. Play all chromatic scales in quarter notes (\bullet = 96) one octave, from memory with only two missed notes per scale.

7. Produce a tone with a proper attack and release on the major, minor and chromatic scales.

Group Skills

1. Blend within a homogeneous section of instruments during the performance of a concert piece.

2. Balance within a homogeneous section of instruments during the performance of a concert piece.

3. Blend within a heterogeneous section of instruments during the performance of a concert piece.

4. Balance within a heterogeneous section of instruments during the performance of a concert piece.

Discriminating Skills

1. Write the following note and rest values with 90% accuracy: whole, half, quarter, eighth, sixteenth and thirty-second.

2. Clap five rhythms from the concert literature with 75% accuracy.

3. Demonstrate the ability to play in the following meters: 4/4, 2/4, c, 3/4, 6/8 and 3/8.

4. Differentiate between a major and minor chord in nine out of ten chords.

5. Write intervals and quality from unison to octave with 60% accuracy.

6. Write all the notes in the clef of his instrument with 90% accuracy.

Write the key signatures for all major and minor keys with
 80% accuracy.

8. Correctly transpose from concert pitch to written pitch for his instrument eight out of ten pitches.

9. All exercises in theory of music level 2.

Interpretive Skills

1. Define the terminology presented during the year with 90% accuracy.

2. Perform one piece of concert music following the musical instructions precisely.

3. Demonstrate regular attack, legato attack, staccato attack and slurring as indicated in one piece of concert music.

 Demonstrate correct concert procedure during the performance of a concert piece.

5. Prepare a written evaluation of a taped performance of himself.

Humanistic Skills

 Develop a positive attitude toward the group as determined by the director.

2. Express ideas to the group in class discussion.

3. Express opinions to the group in class discussion.

The medium-term learning outcomes the student should be able to demonstrate after successful completion of Pre-band and three years of Junior Concert Band are as follows. 6

Individual Skills

1. Produce a tone with proper attack while performing all major scales from memory, two octaves where possible, in quarter notes ($\bullet = 120$), with only one missed note per scale.

2. Produce a tone with proper attack while performing all minor scales, harmonic and melodic, from memory, two octaves where

possible in quarter notes (\bullet = 96), with only one missed note per scale.

3. Play all chromatic scales in quarter notes (\bullet = 96), from memory, two octaves where possible, with only one missed note per scale.

Discriminating Skills

1. Clap five selected rhythms with 90% accuracy.

2. Write intervals and quality from unison to octave with 90% accuracy.

Write the key signatures of all major and minor scales with
 90% accuracy.

4. Write all simple and compound time signatures with 80% accuracy.

Interpretive Skills

1. Define the terminology presented during the year with 90% accuracy.

2. Perform a melodic line from a selected concert piece following dynamic changes.

3. Label the following forms correctly in eight out of ten recordings: ABA, theme and variations, strophic and concert march.

4. Write a brief history of the music performed during the year.

Humanistic Skills

1. Discuss music with proper terminology developed through class discussions.

2. Demonstrate an awareness of past achievements in music through written and oral presentations.

The short-term learning outcomes the students should be able to

demonstrate after successful completion of a lesson are contained throughout chapters 1-5 and the appendices.

Preliminary and revised instructional materials and evaluation devices contained in this thesis were prepared based on the long-term learning outcomes of the Guide and the medium- and short-term learning outcomes from various sources in the literature. The process of developing the foundations of a comprehensive junior concert band program involves teaching students how to read and understand music (chapter 1), how to recognize and perform melodic and rhythmic patterns (chapters 2-3), and how to develop musicianship by correctly applying articulation and dynamic techniques to the scales and drills that are the rudiments of performance (chapters 4-5).

Lesson 1

The purpose of this lesson is to introduce the rudiments of music and to establish a foundation on which further learning and understanding of how music is created can be built.

Music is written on, between, above, or below five parallel lines known as a staff or stave.

Example 1

Each line and space has a position name.

Example 2

T an and b	Fifth line
Fourth space	Fourth line
Third space	Third space
Second space	Second line
First space	First line
	rinst ine

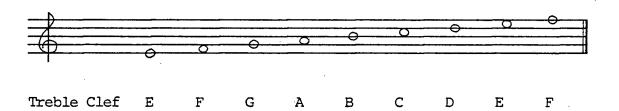
The note names in music are A, B, C, D, E, F, and G. These note names represent the seven natural tones in music and are repeated sequentially to include all the tones from the lowest to the highest register. Note names vary according to the clef sign.

A clef is a sign placed at the beginning of the staff to indicate the name and pitch of the notes placed on the staff. There are many clef signs. The treble or G clef is written as follows. Example 3



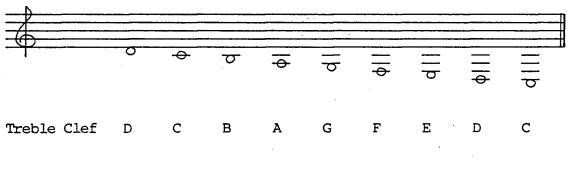
When the treble clef is at the beginning of the staff, the notes on the staff are as follows.

Example 4

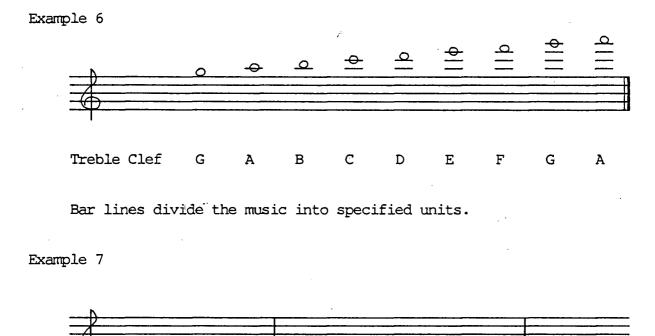


Leger lines are used to extend the range of the staff. The notes below the staff are as follows.





Using leger lines, the notes above the staff are as follows.

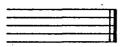




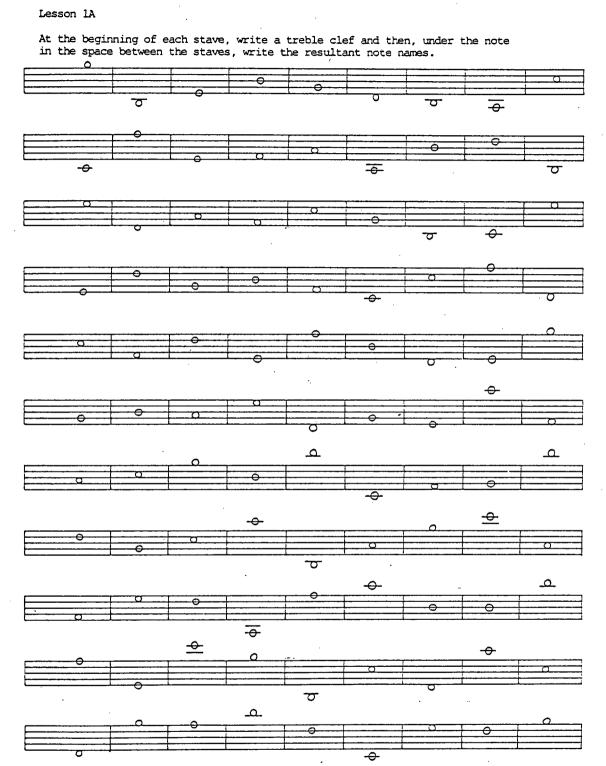
Treble clef bar line measure or bar bar line

A double bar line indicates the end of the composition or movement.

Example 8



Double bar



Lesson 1B

The purpose of this lesson is to introduce the sharp, flat, and natural accidental signs.

Example 9



Lesson 1B

Write the name of each note in the space between the staves below it.



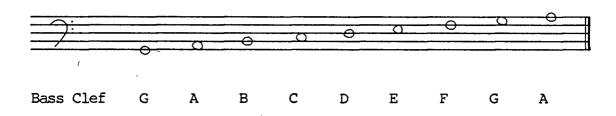
Lesson 2

The purpose of this lesson is to introduce the bass clef and the notes on, below, and above a staff beginning with a bass clef. The bass or F clef is written as follows.

Example 10

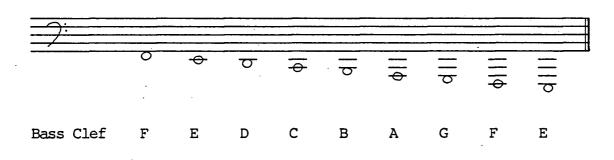
When the bass clef is at the beginning of the staff, the notes on the staff are as follows.

Example 11



Leger lines are used to extend the range of the staff. The notes below the staff are as follows.

Example 12



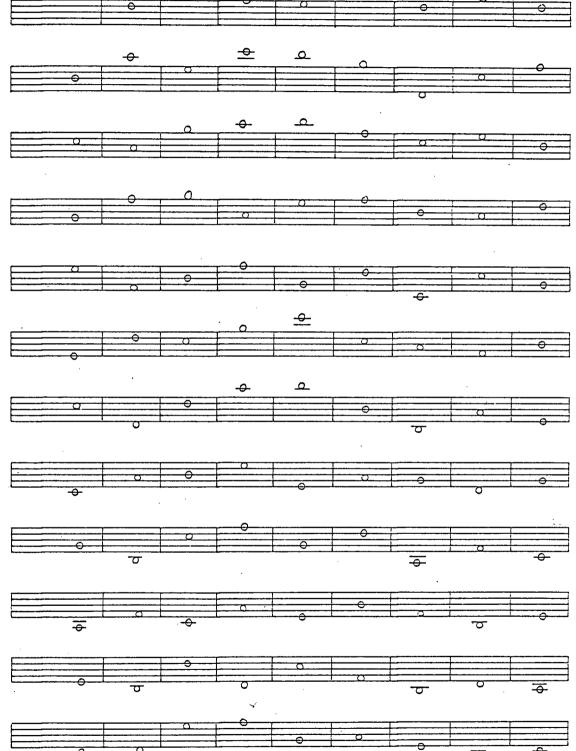
The notes above the staff are as follows.

d III ¢||| a ____ ≜ ٩ <u></u> a Φ \sim • Bass Clef С Ε F G Α В С В D

Example 13

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At the beginning of each stave, write a bass clef and then, under the note in the space between the staves, write the resultant note names. 4 ٩ 0



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Lesson 2B

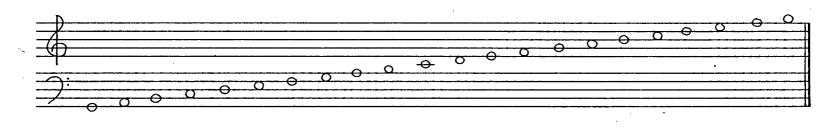
Write the name of each note in the space between the staves below it.



Lesson 3

The purpose of this lesson is to illustrate the relationship between the treble clef and the bass clef.

Example 14

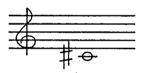


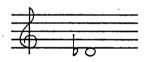
G Е G G Α В G D Α В С D Ε F Α В С \mathbf{F} С D Е F

Example 15

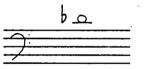
The notes in column 1 are the same pitch as the notes displayed in column 2. Notes that sound the same, have the same name, but look different are called unisons or octaves. Notes that sound the same, but have a different name and look different are called enharmonic equivalents. These notes share the same letter name therefore they are unisons.

unisons





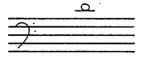


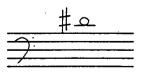


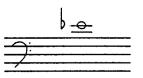




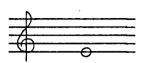


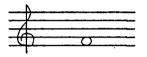




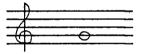


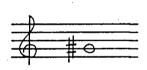




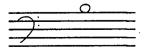


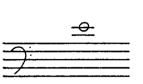


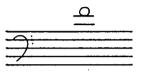




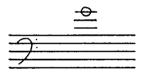


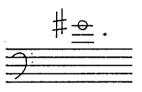






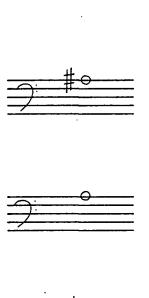


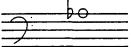


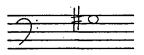


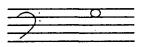


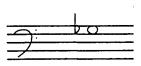




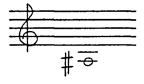


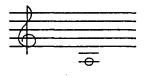






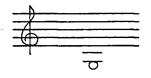


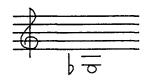


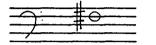






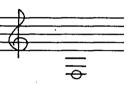






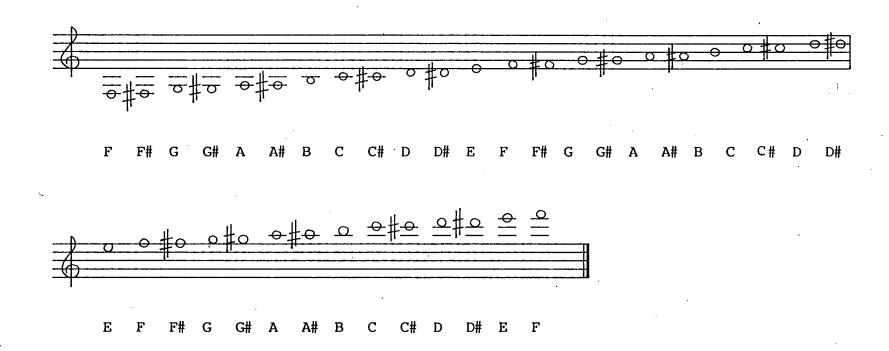


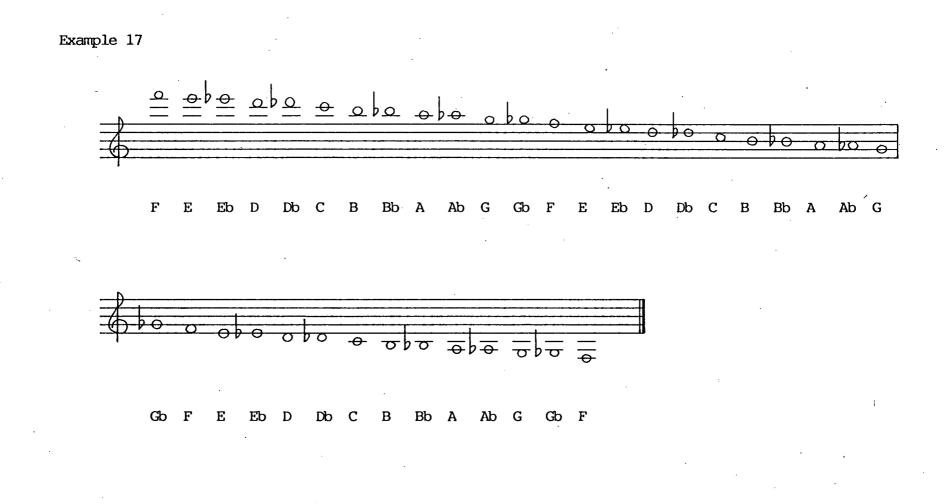




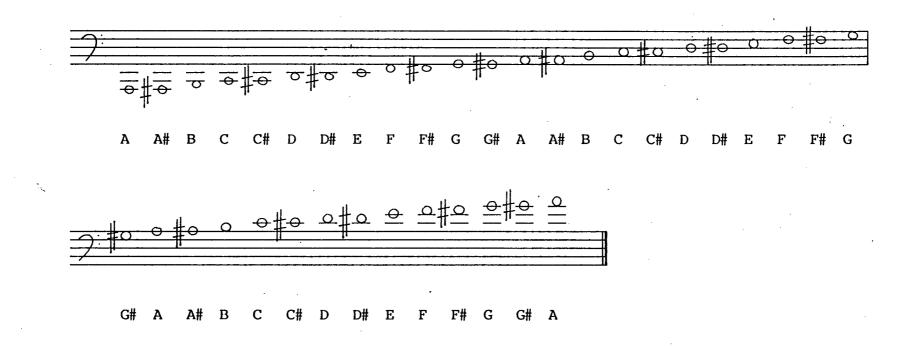
Column 2

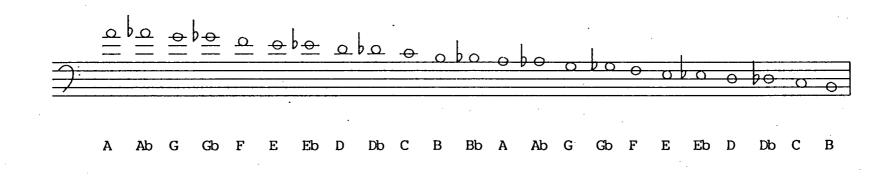














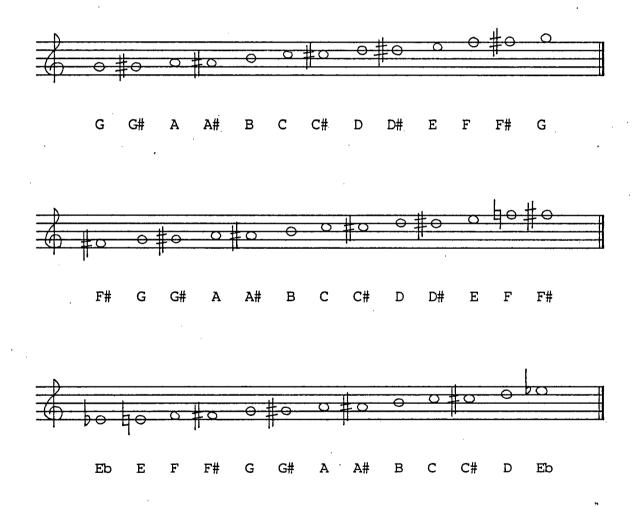
Bb A Ab G Gb F E Eb D Db C B Bb A

28

Example 19

The purpose of this lesson is to diagram the procedure for counting up 12 semitones or half steps to reaffirm the distance between notes one octave apart.

Example 20



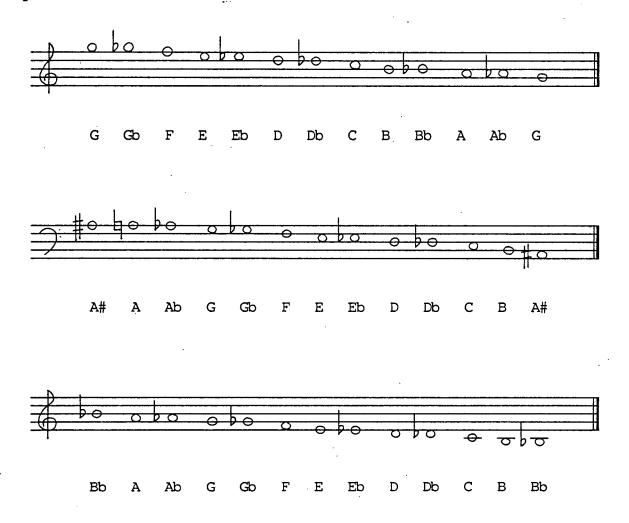


In the measure provided to the right of each note, write another note one octave above it. $\ensuremath{\mathcal{I}}$

Lesson 4B

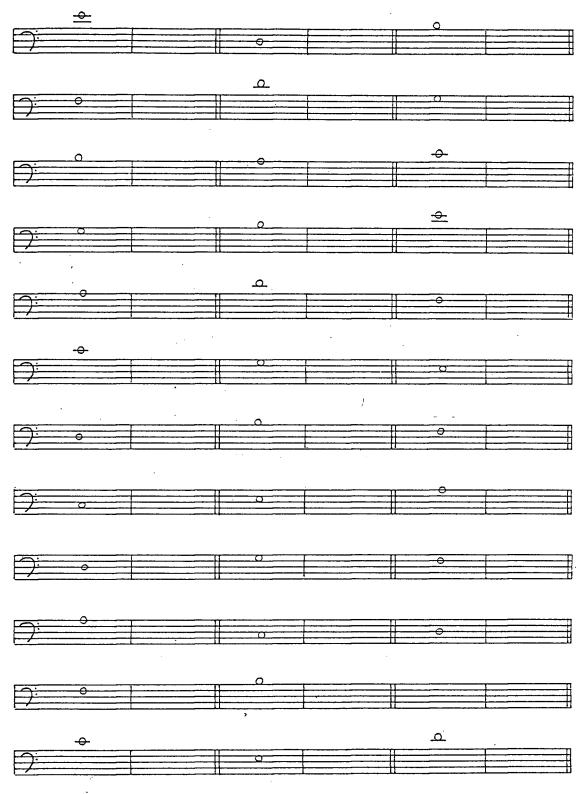
The purpose of this lesson is to diagram the procedure for counting down 12 semitones or half steps to reaffirm the distance between notes one octave apart.

Example 21



Lesson 4B

In the measure provided to the right of each note, write another note one octave below it.



The purpose of this lesson is to provide a uniform procedure for describing pitch. A note is natural unless it is altered by an accidental (sharp or flat) or by a key signature (lesson 19). Notes can be described in relation to their position on the staff.

Example 22



This note (middle C) can be described as: treble clef, below the staff, one leger line, line. The final descriptor (line) identifies the note as either a line or a space.

This note (middle C) can be described as: bass clef, above the staff, one leger line, line.

This note (C) can be described as: treble clef, above the staff, two leger lines, line.



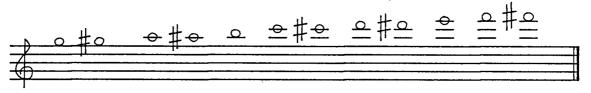
This note (B) can be described as: bass clef, below the staff, two leger lines, space.

Write the notes indicated in whole notes on the staves below.



The purpose of this lesson is to review the procedure for describing pitch (covered in lesson 5) and to diagram the procedure using notes above and below the staff.

Example 23



treble clef, above the	treble clef, above t	treble clef, above t	treble clef, above t	treble clef, above t	treble clef, above t	treble clef, above t	treble clef, above t	treble clef, above t	treble clef, above t	treble clef, above t	treble clef, above t
he staff, no leger	the staff, no	the staff, one	the staff, one	the staff, one	the staff, two	the staff, two	the staff, two	the staff, two	the staff, three	the staff, three	the staff, three
leger lines	no leger lines, sharp	e leger line, line	e leger line, line, sharp	e leger line, space) leger lines, line	b leger lines, line, sharp) leger lines, space) leger lines, space, sharp	cee leger lines, line	ree leger lines, space	ree leger lines, space, sharp

||þ treble clef, below the staff, three leger lines, space, flat ||þ treble clef, below the staff, three leger lines, space treble clef, below the staff, three leger lines, line treble clef, below the staff, two leger lines, space, flat treble clef, below the staff, two leger lines, space treble clef, below the staff, two leger lines, line, flat treble clef, below the staff, two leger lines, line treble clef, below the staff, one leger line, space, flat treble clef, below the staff, one leger line, space treble clef, below the staff, one leger line, line treble clef, below the staff, no leger lines, space, flat treble clef, below the staff, no leger lines, space

24 Example ||\$

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Write the notes indicated in whole notes on the staves below.

Middle C D below the B above the G on the stave stave stave A natural E above the C above the C below the stave stave stave F flat A sharp D natural E natural B sharp F natural A flat C sharp C flat E sharp G sharp B on the stave F below the E above middle F below middle A below middle C С С F sharp B sharp A first space G fourth space

The purpose of this lesson is to review the sharp, flat and natural accidental signs and to introduce the double sharp, double flat and double natural accidental signs.

A sharp (#) placed before a note will alter that note by raising it by one semitone or one half step. A flat (b) placed before a note will alter that note by lowering it by one semitone or one half step. A natural cancels a sharp or flat.

A double sharp (x) placed before a note will alter that note by raising it by two half steps or one whole step. A double flat (bb) placed before a note will alter that note by lowering it by two half steps or one whole step. A double natural $\langle \frac{1}{2} \frac{1}{2} \rangle$ cancels a double sharp or double flat. A natural sign ($\frac{1}{2}$) will cancel only one of the two sharps or flats.

Example 25



Alter the notes one semitones by adding either a sharp or a flat as requested.



The purpose of this lesson is to diagram the comparative values of notes.

Example 26

One whole note is equal in value to:

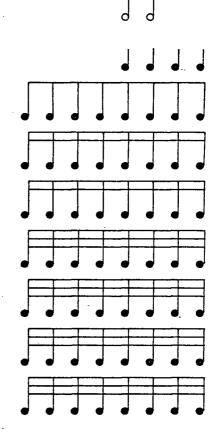
i) two half notes

ii) four quarter notes

iii) eight eighth notes

iv) sixteen sixteenth notes

v) thirty-two thirty-second notes



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The purpose of this lesson is to diagram the comparative values of rests.

Example 27

One whole rest is equal in value to: i) two half rests ii) four quarter rests ξ ξ Ş ξ 777777 iii) eight eighth rests 77 7 7 7 7 7 7 7 iv) sixteen sixteenth rests 77 7 7 7 7 7 7 77 v) thirty-two thirty-second rests 77 77 ¥ ¥ ¥ ¥ ¥ ¥ ¥ 7 7 7 7 7 ¥ ¥ ¥ 7 7 ¥ ¥ ¥ Ŧ ¥

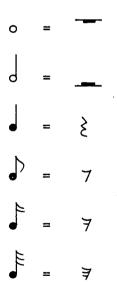
In the measure provided, write one rest equal in value to the sum of the notes in the given measure.



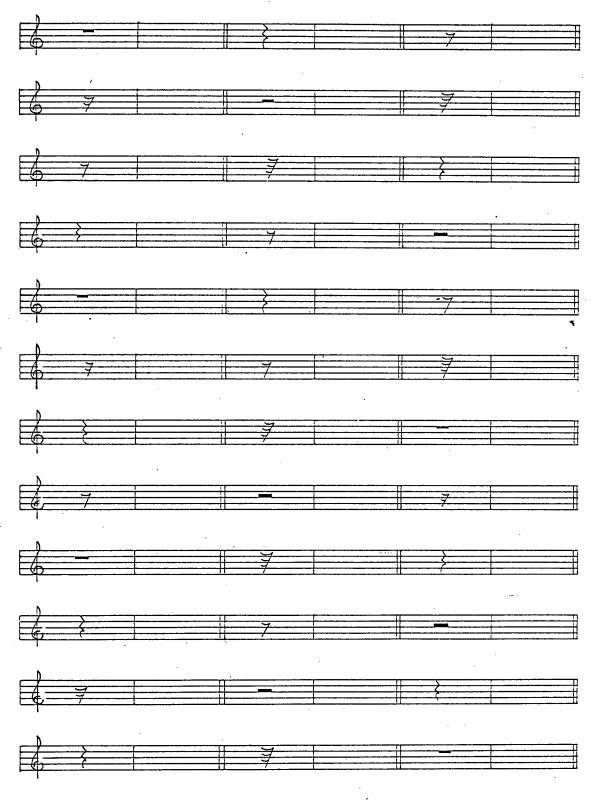
The purpose of this lesson is to compare the relative values of notes and rests.

Example 28

A whole note is equal in value to a whole rest. A half note is equal in value to a half rest. A quarter note is equal in value to a quarter rest. An eighth note is equal in value to an eighth rest. A sixteenth note is equal in value to a sixteenth rest. A thirty-second note is equal in value to a thirty-second rest.



In the measure provided, write one note equal in value to the rest in the given measure.



The purpose of this lesson is to introduce simple time signatures and groupings.

Example 29

2 8			3 8	_ ♪	ſ	Γ	4 8	Ţ	•	7	ſ
2 4			3 4	•		•	4 4				
2 2	9	9	3 2	9	9	9	4 2	J	9	9	0

Lesson 11

Add the correct time signatures to the following measures.



The purpose of this lesson is to provide a chart outlining the number of beats given to notes in the simple time signatures.

Example 30

In 2/8, 3/8 and 4/8 time: a thirty-second note receives 1/4 beat, a sixteenth note receives 1/2 beat, an eighth note receives 1 beat, and a quarter note receives 2 beats.

In 2/4, 3/4 and 4/4 time: a thirty-second note receives 1/8 beat, a sixteenth note receives 1/4 beat, an eighth note receives 1/2 beat, a quarter note receives 1 beat, and a half note receives 2 beats.

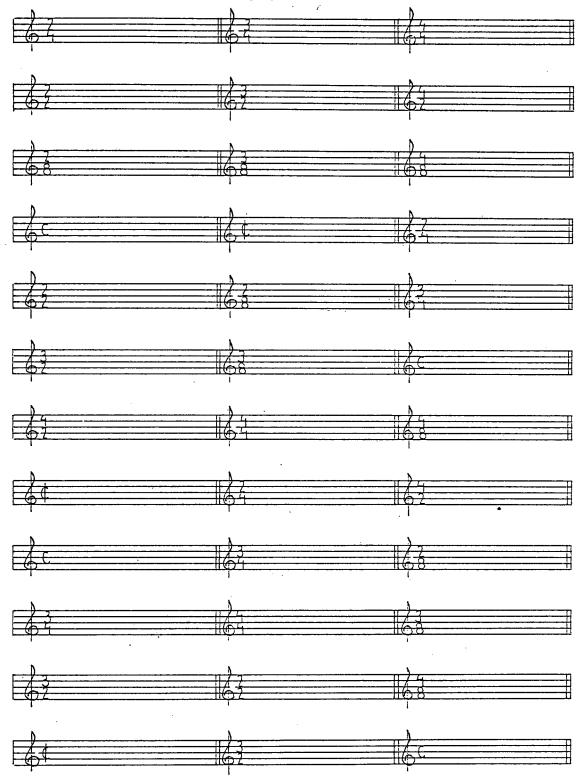
In 2/2, 3/2 and 4/2 time: a thirty-second note receives 1/16 beat, a sixteenth note receives 1/8 beat, an eighth note receives 1/4 beat, a quarter note receives 1/2 beat, a half note receives 1 beat, and a whole note receives 2 beats.

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In the space between the staves, write how many beats each of the following notes would receive.



In the measures provided, write notes of any value in accordance with the given time signatures. Insure proper grouping of notes.

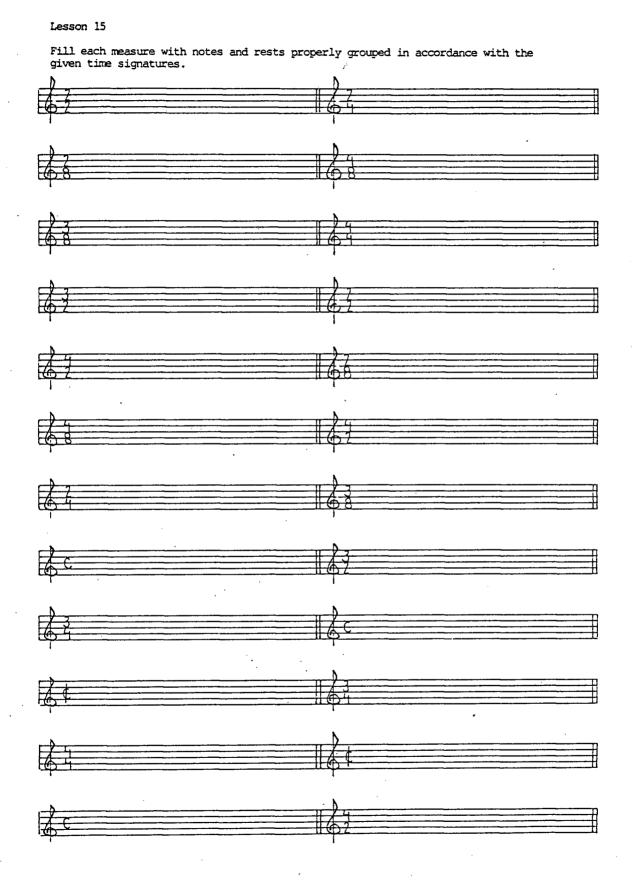


Lesson 14

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Complete the following measures by adding <u>one</u> rest to each measure. Insure proper grouping in accordance with the given time signatures.





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Correctly group the given notes and rests in accordance with the given time signatures.



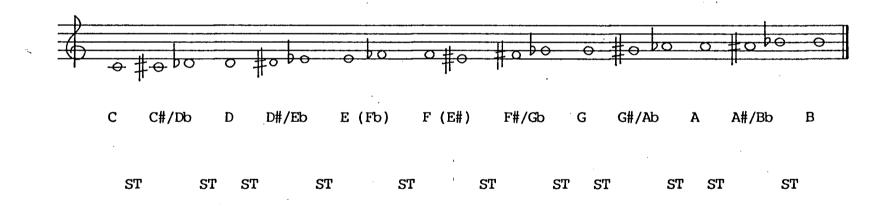
Lesson 18

Complete the following measures with properly grouped rests.



The purpose of this lesson is to diagram the procedure for constructing chromatic and major scales using the charts provided in lesson 3.

Example 31



Write a treble clef at the beginning of each stave, then write the scales indicated adding the necessary accidentals and slurs to mark the semitones.

C Major ascending and descending in whole notes

G Major ascending and descending in half notes

D Major ascending and descending in quarter notes

A Major ascending and descending in eighth notes

C Major ascending and descending in quarter notes

F Major ascending and descending in half notes

Bb Major ascending and descending in whole notes

Eb Major ascending and descending in half notes

C Major ascending and descending in half notes

A Major ascending and descending in quarter notes

D Major ascending and descending in quarter notes

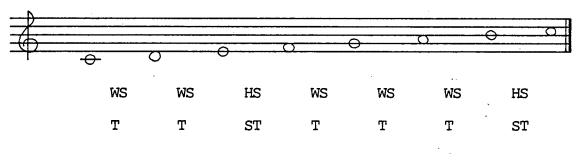
G Major ascending and descending in half notes

Eb Major ascending and descending in half notes

F Major ascending and descending in whole notes

The purpose of this lesson is to reinforce the method of constructing major scales using the formula: T T ST T T T ST, to compare the progression of sharps and flats, and to diagram the circle of fifths.

Example 32

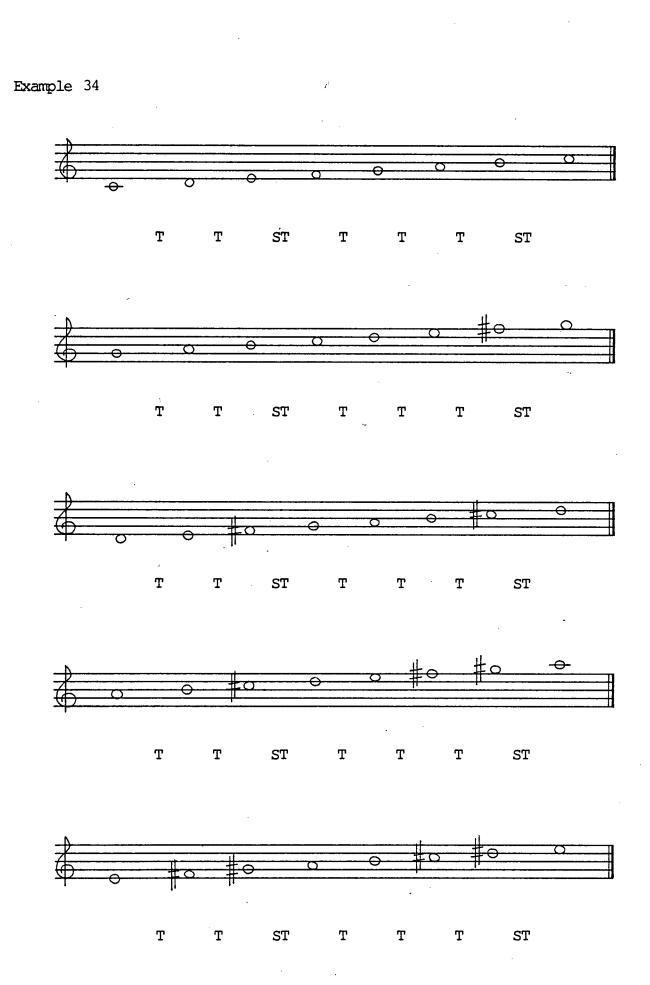


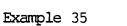
Example 33

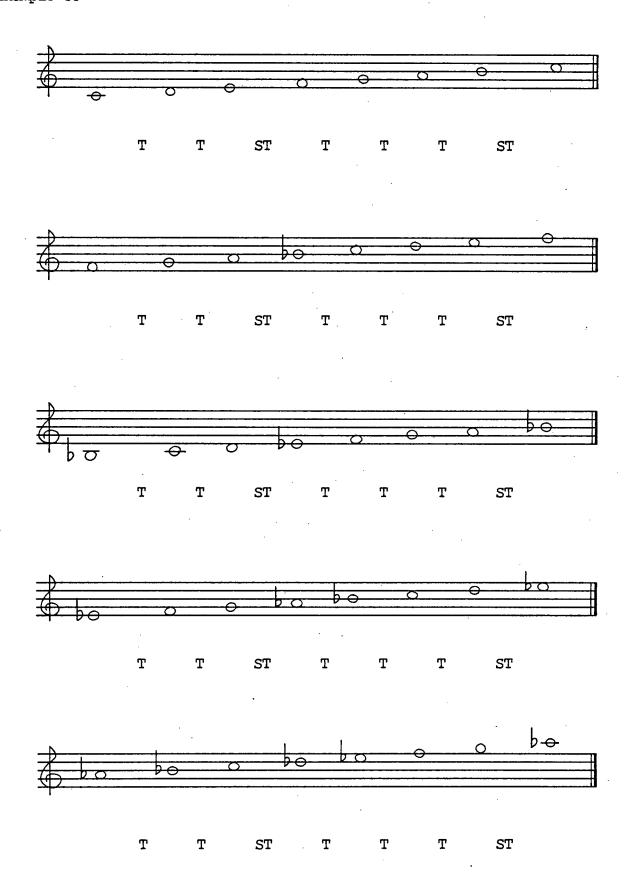
Progression of sharp keys: C B · F# C# G D Α Ε Progression of flat keys: С F Bb Eb Ab Db Gb Cb

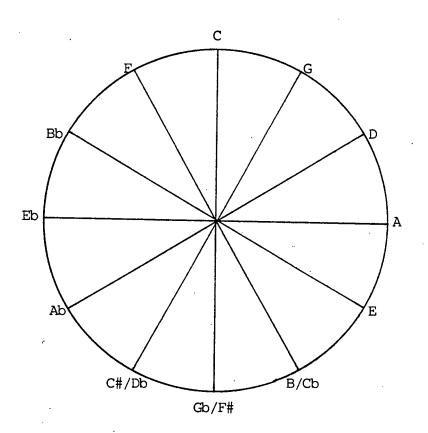
The progression of sharp keys moves in ascending fifths. The progression of flat keys moves in descending fifths. Similarly, the sequence of sharps in a key signature moves in ascending fifths and the sequence of flats in a key signature moves in descending fifths.

Sequence of sharps in a key signature: F# C# G# D# A# E# B# Sequence of flats in a key signature: Bb Eb Ab Db Gb Cb Fb









Write a bass clef at the beginning of each stave, then write the scales indicated adding the necessary accidentals and slurs to mark the semitones.

C Major ascending and descending in whole notes

Eb Major ascending and descending in half notes

F Major ascending and descending in quarter notes

A Major ascending and descending in eighth notes

D Major ascending and descending in quarter notes

Bb Major ascending and descending in quarter notes

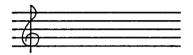
G Major ascending and descending in whole notes

C Major ascending and descending in half notes Bb Major ascending and descending in whole notes A Major ascending and descending in eighth notes F Major ascending and descending in quarter notes Eb Major ascending and descending in half notes G Major ascending and descending in eighth notes

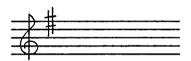
D Major ascending and descending in whole notes

The purpose of this lesson is to provide a method for identifying major key signatures.

Example 37



In the key of C Major, there are no sharps or flats.



In the key of G Major, there is 1 sharp. It is F# and it is the leading tone or the tone one semitone below G.



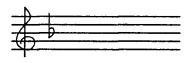
In the key of D Major, there are 2 sharps; F# and C#. The final sharp is C#. It is the leading tone or the tone one semitone below D.



In the key of A Major, there are 3 sharps; F#, C# and G#. The final sharp is G#. It is the leading tone or the tone one semitone below A.



In the key of E Major, there are 4 sharps; F#, C#, G# and D#. The final sharp is D#. It is the leading tone or the tone one semitone below E.



In the key of F Major, there is 1 flat. It is Bb and it is the subdominant or the note 5 semitones above F.



In the key of Bb Major, there are 2 flats; Bb and Eb. The final flat is Eb. It is the subdominant or the note 5 semitones above Bb. Another way of determining a flat major key by looking at the key signature is to locate the final flat and then go back one.



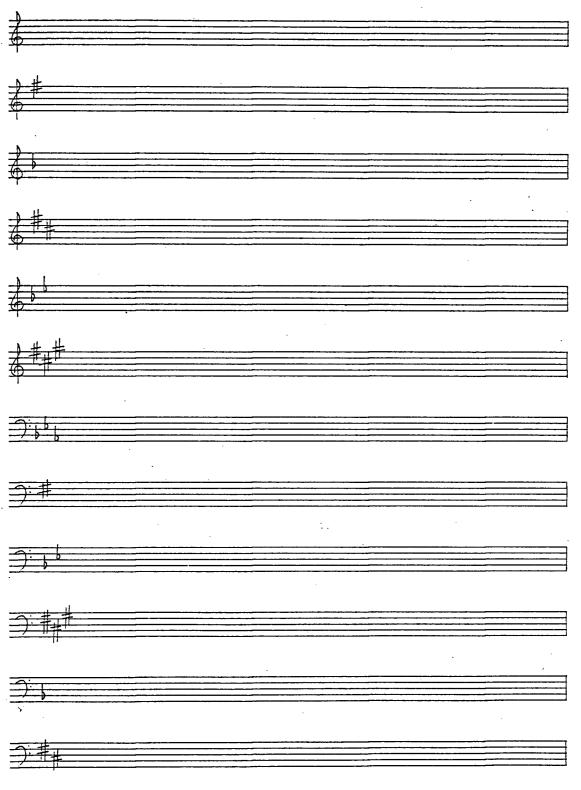
In the key of Eb Major, there are 3 flats; Bb, Eb and Ab. The final flat is Ab. It is the subdominant or the note 5 semitones above Eb. In the key signature, the Ab is immediately preceded by Eb.



In the key of Ab Major, there are 4 flats; Bb, Eb, Ab and Db. The final flat is Db. It is the subdominant or the note 5 semitones above Ab. In the key signature, the Db is immediately preceded by Ab.

There are other major key signatures that will be introduced in level 2, lesson 21.

Write each major scale one octave ascending and descending in half notes according to the provided key signatures. Mark'all semitones with slurs.



The purpose of this lesson is to provide a list of the names of tones in a major scale.

Example 38

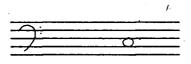
The eighth tone in a major scale is called the tonic or keynote. The seventh tone in a major scale is called the leading tone. The sixth tone in a major scale is called the mediant. The fifth tone in a major scale is called the dominant. The fourth tone in a major scale is called the subdominant. The third tone in a major scale is called the submediant. The second tone in a major scale is called the supertonic. The first tone in a major scale is called the supertonic.

Ð ~ θ Ō 0 Т т STТ Т т ST Tonic or keynote Supertonic Submediant Subdominant Mediant Leading tone Dominant Tonic or keynote

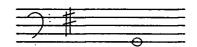
The purpose of this lesson is to review the methods for determining the key of a key signature and to identify the tonic note of each of the keys studied in lesson 21.

If there are no sharps or flats in the key signature, the key is C Major. If the key signature is sharp, locate the final sharp and read up one semitone to determine the key. If the key signature is flat, locate the final flat and read the flat immediately preceding it to determine the key.

Example 39



Key of C Major







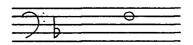
Key of D Major



Key of E Major



Key of A Major



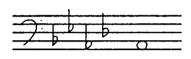
Key of F Major





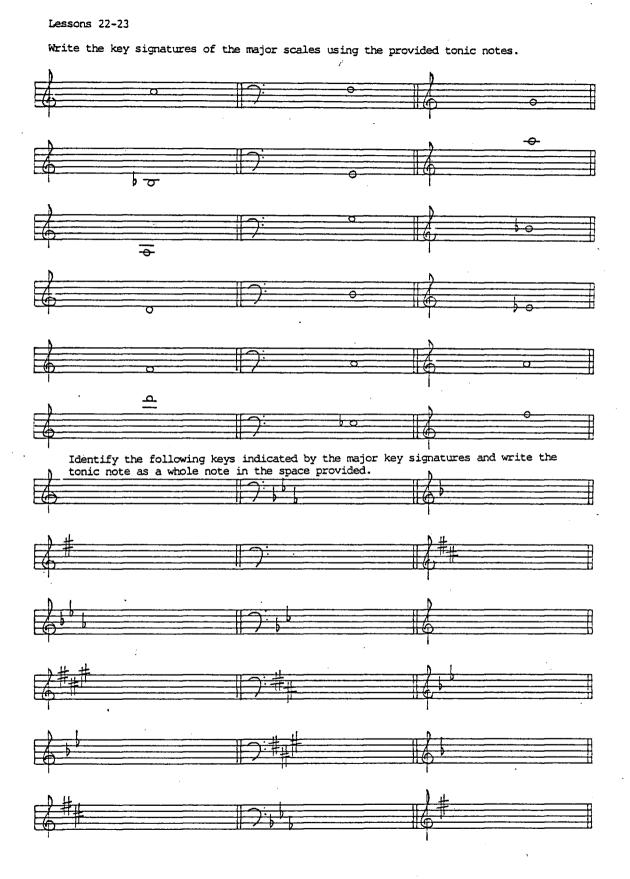
Key of Bb Major

Key of Eb Major



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Key of Ab Major



Lessons 24-25

Correct the positioning of the stems and the grouping of the notes in the following passages of music.



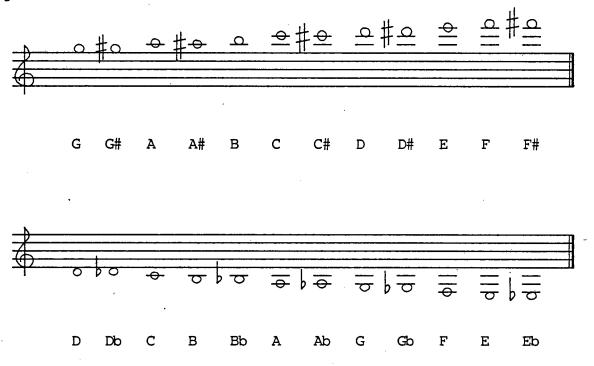
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Music Theory Level 2

Lesson 1

The purpose of this lesson is to review and expand recognition of notes above and below the staff.

Example 40

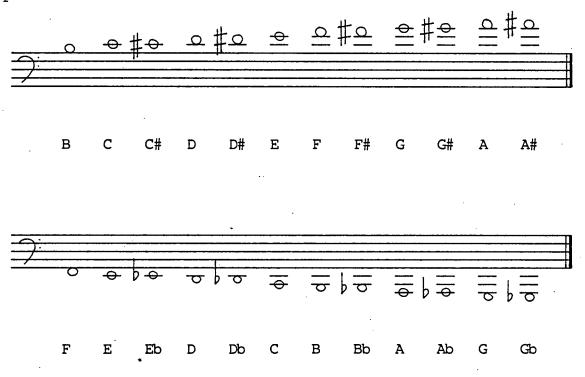


Lesson 1B

The purpose of this lesson is to review and expand recognition of notes above and below the staff begun by a bass clef.

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Example 41



<u>b</u> <u>+</u> <u>#0</u> \mathbf{P} θ -4 5 \$ 50 -0 ᡨ ₽Ð e σ -0-0 ۵ -0 5 <u></u> σ 5-0-5 e 40 1 <u>} ⊕</u> 0 € -0σ ba L'II ₩ ٥ **T**AUT 0 α 4 a E 0 00 ه م 0 H 0-0 # 5

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Lesson 1

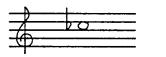
Write the name of each note in the space between the staves below it.

The purpose of this lesson is to provide a list of all enharmonic equivalents. An enharmonic equivalent is two different names given to the same sound.

Example 42

is the same pitch as Cb В is the same pitch as B# С C# is the same pitch as Db is the same pitch as C# Db D# is the same pitch as Eb is the same pitch as Eb D# is the same pitch as Ε Fb is the same pitch as F E# Fb is the same pitch as Ε F is the same pitch as E# F# is the same pitch as Gb Gb is the same pitch as F# is the same pitch as G# Ab is the same pitch as G# Ab is the same pitch as A# Bb is the same pitch as Bb A# в is the same pitch as Cb

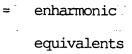
The following pairs of notes are examples of enharmonic equivalents. They look different and have different names but they sound the same.

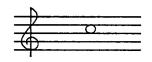




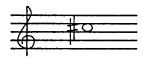


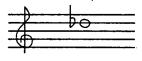
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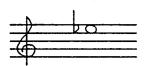


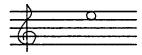
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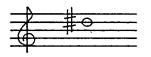












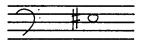


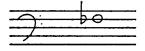
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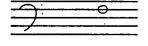
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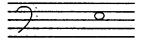
Column 1

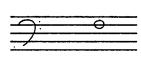
Column 2













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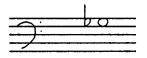
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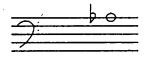
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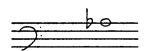
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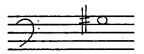




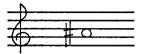


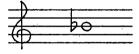


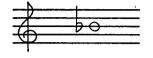




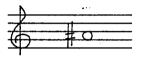








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X 0 ____

Z _ 20

In the measure provided, write the enharmonic equivalents of the following notes. ₽ \$0 ₽ B #0 50 #a 16 T <u></u>#≏_____ 16= 1 10 12 \exists 0 6 ____P 16 i. 12 Ĵ #0 R <u>|):</u> #• K ∄ 12 E 20 00 16 **}**0 bο 12: #0 **#**0

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Lesson 2

The purpose of this lesson is to provide a method for constructing major scales with sharp key signatures using only the letter names of the notes.

Example 43

			<u> </u>				
с	D	Е	F	G	А	В	с
G	A	В	с	D	Е	F#	G
D	E	F#	G	A	B	C#	D
A	В	C#	D	Е	F#	G#	А
E	F#	G#	A	В	: C#	D#	E
В	C#	.∕ D#	Е	F#	G#	A#	в
F#	G#	A#	В	C#	D#	E#	F#
C#	D#	E#	F#	Ġ#	A#	B#	C#

First tetrachord

Second tetrachord

The purpose of this lesson is to provide a method for constructing major scales with flat key signatures using only the letter names of the notes.

Example 44

с	В	A	G	F	Е	D	с
F	E	D	с	Bb	A	G	F
Bb	A	G	F	Eb	D	с	Bb
Eb	D	с	Bb	Ab	G	F	Eb
Ab	G	F	Eb	Db	с	Bb	Ab
Db	C	Bb	Ab	Go	F	Eb	Db
Gb	F	Eb	Db	Ср	Bb	Ab	· Gb
Cb	Bb	Ab	Gb	Fb	Eb	Db	Cb

First tetrachord

Second tetrachord

Lesson 4B

85

The purpose of this lesson is to diagram one method for transposing music from one key to another or a distance specified by an interval.

Example 45

	C Major	to .	G Major	=	Perfect fifth
	C Major	to	D Major	=	Major second
	C Major	to	A Major	=	Major sixth
	C Major	to	E Major	=	Major third
	C Major	to	B Major	Ħ	Major seventh
	C Major	to	F# Major	=	Augmented fourth
	G Major	to	C Major	=	Perfect fourth
	G Major	to	D Major	=	Perfect fifth
	G Major	to	A Major	=	Major second
	G Major	to	E Major	=	Major sixth
	G Major	to	B Major	-	Major third
	G Major	to	F# Major	=	Major seventh
•	G Major	to	C# Major	=	Augmented fourth
	D Major	to	C Major	=	Minor seventh
	D Major	to	G Major	=	Perfect fourth
	D Major	to	A Major	=	Perfect fifth
	D Major	to	E Major	=	Major second
	D Major	to	B Major	= .	Major sixth
	D Major	to	F# Major	=	Major third
	D Major	to	C# Major	=	Major seventh

A Major	to	C Major	=	Minor third
A Major	to	G Major	Ξ	Minor seventh
A Major	to	D Major	=	Perfect fourth
A Major	to	E Major	=	Perfect fifth
A Major	to	B Major	=	Major second
A Major	to	F# Major	=	Major sixth
A Major	to	C# Major	=	Major third
E Major	to	C Major	=	Minor sixth
E Major	to	G Major	=	Minor third
E Major	to	D Major	=	Minor seventh
E Major	to	A Major	=	Perfect fourth
E Major	to	B Major	=	Perfect fifth
E Major	to	F# Major	=	Major second
E Major	to	C# Major	=	Major sixth
B Major	to	C Major	=	Minor second
B Major	to	G Major	=	Minor sixth
B Major	to	D Major	=	Minor third
B Major	to	A Major	=	Minor seventh
B Major	to	E Major	=	Perfect fourth
B Major	to	F# Major	=	Perfect fifth
B Major	to	C# Major	=	Major second
F# Major	to	C Major	= .	Diminished fifth
F# Major	to	G Major	=	Minor second
F# Major	to	D Major	=	Minor sixth

F# Major	to	A Major	=	Minor third
F# Major	to	E Major	=	Minor seventh
F# Major	to	B Major	=	Perfect fourth
F# Major	to	C# Major	=	Perfect fifth
C# Major	to	G Major	=	Diminished fifth
C# Major	to	D Major	=	Minor second
C# Major	to	A Major	Ţ	Minor sixth
C# Major	to	E Major	=	Minor third
C# Major	to	B Major	=	Minor seventh
C# Major	to	F# Major	=	Perfect fifth
C Major	to	F Major	=	Perfect fourth
C Major	to	Bb Major	=	Minor seventh
C Major	to	Eb Major	=	Minor third
C Major	to	Ab Major	= 1	Minor sixth
C Major	to	Db Major	=	Minor second
C Major	to	Gb Major	=	Diminished fifth
F Major	to	C Major	=	Perfect fifth
F Major	to	Bb Major	=	Perfect fourth
F Major	to	Eb Major	=	Minor seventh
F Major	to	Ab Major	=	Minor third
F Major	to	Db Major	=	Minor sixth
F Major	to	Gb Major	=	Minor second
F Major	to	Cb Major	=	Diminished fifth
· .				
Bb Major	to	C Major	=	Major second

-				
Bb Majo	r to	F Major	=	Perfect fifth
Bb Majo	r to	Eb Major	=	Perfect fourth
Bb Majo	r to	Ab Major	=	Major seventh
Bb Majo	r to	Db Major	=	Minor third
Bb Majo	r to	Gb Major	=	Minor sixth
ВЬ Мајо	r to	Cb Major	н	Minor second
Eb Majo	r to	C Major	H	Major sixth
Eb Majo	r to	F Major	=	Major second
Eb Majo	r to	Bb Major	Ħ	Perfect fifth
Eb Majo	r to	Ab Major	Ξ	Perfect fourth
Eb Majo	r to	Db Major	±	Minor seventh
Eb Majo	r to	Go Major	=	Minor third
Eb Majo	r to	Cb Major	=	Minor sixth
Ab Majo	r to	C Major	=	Major third
Ab Majo	r to	F Major	=	Major sixth
Ab Majo	r to	Bb Major	=	Major second
Ab Majo	r to	Eb Major	=	Perfect fifth
Ab Majo	r to	Db Major	=	Perfect fourth
Ab Majo	r to	Gb Major	=	Minor seventh
Ab Majo	r to .		=	Minor third
Db Majo	r to	C Major	-	Major seventh
Db Majo	r to	F Major	=	Major third
Db Majo	r to	Bb Major	=	Major sixth
Db Majo	r to	Eb Major	=	Major second
Db Majo	r to	Ab Major	=	Perfect fifth

Db Major	to	Gb Major	=	Perfect fourth
Db Major	to	Cb Major	-	Minor seventh
Gb Major	to	C Major	=	Augmented fourth
Gb Major	to	F Major	=	Major seventh
Gb Major	to	Bb Major	=	Major third
Gb Major	to	Eb Major	=	Major sixth
Gb Major	to	Ab Major	=	Major second
Gb Major	to	Db Major	=	Perfect fifth
Gb Major	to	Cb Major	=	Perfect fourth
Cb Major	to	F Major	=	Augmented fourth
Cb Major	to	Bb Major	=	Major seventh
Cb Major	to	Eb Major	. =	Major third
Cb Major	to	Ab Major	=	Major sixth
Cb Major	to	Db Major	=	Major second
Cb Major	to	Gb Major	=	Perfect fifth

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Lesson 5 /

The purpose of this lesson is to diagram the number of beats given to single and double dotted notes. A single dot placed immediately after a note increases the duration of that note by half its original value. A second dot would increase the duration again by one quarter its original value.

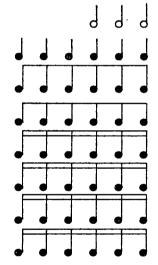
Example 46

One dotted whole note is equal in value to:

i) three half notesii) six quarter notes

iii) twelve eighth notes

iv) twenty-four sixteenth notes



O٠

v) forty-eight thirty-second notes

	is equal in value to					
	is equal in value to				+	
٩.	is equal in value to	9	+	┛		
٩.,	is equal in value to	9	+		+	₽

To provide a single note equal in value to the sum of a given set of notes, think in terms of fractions, determine a common denominator, and add.

Example 47

	To find a single note equal to:					•	• .				
i)	convert into fractions:	1 4	1 8	1 8	1 16	1 16	1 16	1 16	1 8	1 8	

Note that this step is a straight conversion with a whole note equal to 1, a half note equal to 1/2, etc.

ii) determine a common denominator: 16 .16 iii) add the fractions together: iv) reduce the fraction:

v) re-think in musical terms: 1 = whole note

vi) complete the exercise: the rhythmic progression given above is equal in value to one whole note.

Write one note in the measure provided equal in value to the sum of the notes in the previous measure.



- - . .

Write one note in the measure provided equal in value to the sum of the notes and rests in the previous measure.



Write one note in the space provided equal in value to:

One quarter six quarter four eighth one half note note notes notes One whole 1/16 whole four sixteenth sixteen sixteenth note note notes notes two half + two Four thirty- whole + half two quarter notes second notes note quarter notes One eighth six eighth two half notes 1/2 whole note note notes 1/4 whole note two sixteenth one quarter + two Three half notes notes eighth notes Four quarter four half notes 1/8 whole note twelve sixteenth notes notes Two eighth Three eighth two sixteenth + twelve eighth notes notes notes two eighth notes

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The purpose of this lesson is to diagram the simple and compound time signatures. A time signature provides three bits of information: the number of beats in a measure, what note will receive one beat, and how the notes will be grouped. The time signature, $\frac{4}{4}$, indicates that there are four beats in a measure, that the quarter note will receive one beat, and that the notes will be grouped to show four quarter note divisions or two half note divisions.

Example 48

- Indicates each measure will contain two beats
 Indicates the eighth note will receive one beat
 Together, it indicates a division into two eighth notes.
- Indicates each measure will contain two beats
 Indicates the quarter note will receive one beat
 Together, it indicates a division into two quarter notes.
- Indicates each measure will contain two beats
 Indicates the half note will receive one beat
 Together, it indicates a division into two half notes.
- Indicates each measure will contain three beats
 Indicates the eighth note will receive one beat
 Together, it indicates a division into three eighth notes.

Indicates each measure will contain three beats Indicates the quarter note will receive one beat Together, it indicates a division into three quarter notes.

Indicates each measure will contain three beats
 Indicates the half note will receive one beat
 Together, it indicates a division into three half notes.

4 Indicates each measure will contain four beats

Indicates the eighth note will receive one beat

Together, it indicates a division into four eighth notes or two quarter notes.

Indicates each measure will contain four beats

Indicates the quarter note will receive one beat

Together, it indicates a division into four quarter notes or two half notes.

Indicates each measure will contain four beats

Indicates the half note will receive one beat

Together, it indicates a division into four half notes or two whole notes.

96

3 4

8

4 4

Simple time signatures are based on the number '2'. There are 2 sixteenth notes in an eighth note, 2 eighth notes in a quarter note, 2 quarter notes in a half note, and 2 half notes in a whole note. While dotted notes do exist in simple time, they are the exception rather than the rule. Compound time signatures are based on the number '3' and are typified by dotted notes. There are 3 sixteenth notes in a dotted eighth note, 3 eighth notes in a dotted quarter note, 3 quarter notes in a dotted half note, and 3 half notes in a dotted whole note.

Every simple time signature has a corresponding compound time signature that can be determined by multiplying the top and bottom numbers of the simple time signature by '3' and '2' respectively. By dividing the top and bottom numbers of the compound time signature by '3' and '2' respectively, one can determine the corresponding simple time signature.

The importance in understanding corresponding simple and compound time signatures lies with selecting the most appropriate time signature for the music. If the music contained in a simple time signature is predominantly dotted, perhaps a compound time signature would lesson the degree of reading difficulty.

Example 49

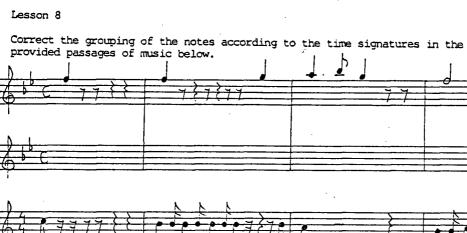
 $\begin{array}{c} 2 \\ 8 \\ 8 \end{array} \times \begin{array}{c} 3 \\ 2 \\ 16 \end{array} \qquad \begin{array}{c} 3 \\ 8 \\ 16 \end{array} \times \begin{array}{c} 3 \\ 2 \\ 16 \end{array} = \begin{array}{c} 9 \\ 16 \end{array} \qquad \begin{array}{c} 4 \\ 8 \\ 16 \end{array} \times \begin{array}{c} 3 \\ 2 \\ 16 \end{array} = \begin{array}{c} 12 \\ 16 \end{array}$

In each of the above equations, the simple time signature is multiplied by the numbers '3' and '2' to determine the compound time

signature.

In the following set of equations, the compound time signature is divided by '3' and '2' respectively to determine the simple time signature.

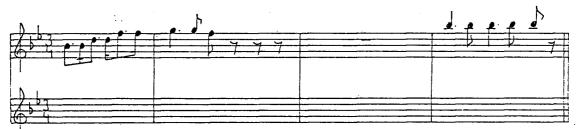
6 8	divided by	3 2	=	2 4	9 8	divided by	3 2	=	3 4
12 8	divided by	3 2	=	4 4	6 4	divided by	3 2	=	2 2
9 4	divided by	3 2	=	3 2	12 4	divided by	3 2	=	4 2







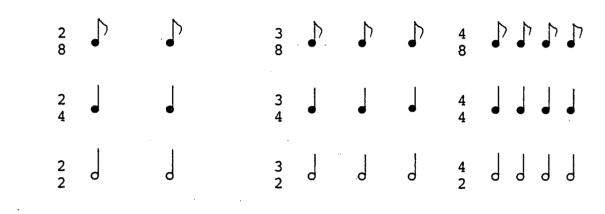






The purpose of this lesson is to diagram the division of notes in both simple and compound time signatures.

Example 50



Example 51



Write the proper time signature at the beginning of each stave.

Lesson 9



The purpose of this lesson is to diagram the comparative values of dotted notes and tied dotted notes.

٩.

Example 52

o is equal in value to
d is equal in value to

The purpose of this lesson is to further diagram the comparative value of dotted notes.

Example 53

0.	is equal in value to	0	+	d	or	9	+	9	+	9
٥.	is equal in value to	٦	+	J	or		. +	J	+	
 ●.	is equal in value to		+	Ì	or	ľ	÷	♪	+	ſ
Þ.	is equal in value to	ŀ	+	J.	or	<i>L</i> .	+	j.	+	<i></i>
Ĭ.	is equal in value to	₽	+		or		+	<i></i>	+	<i>m</i>

Write groups of two tied notes equal in value to the following dotted notes. σ HoH Ē σ ż ø H . . Ŧ $\underline{\mathbb{H}}$ TIOL ō Write groups of three tied notes equal in value to the following double dotted notes. Holl Ξ

1111 Hott



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		N	
	-		
	/		
	1	1	•

Lesson 10-11

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The purpose of this lesson is to further diagram the comparative value of double, single, and non-dotted notes.

Example 54

0	is	equal	in	value	to	28	sixteenth	notes
0 ·	is	equal	in	value	to	24	sixteenth	notes
0	is	equal	in	value	to	16	sixteenth	notes
0	is	equal	in	value	to	14	sixteenth	notes
9	is	equal	in	value	to	12	sixteenth	notes
0	is	equal	in	value	to	8	sixteenth	notes
. .	is	equal	in	value	to	7	sixteenth	notes
	is	equal	in	value	to	6	sixteenth	notes
•	is	equal	in	value	to	4	sixteenth	notes
)	is	equal	in	value	to	3.5	sixteenth	notes
₽.	is	equal	in	value	to	3	sixteenth	notes
♪	is	equal	in	value	to	2	sixteenth	notes
•	is	equal	in	value	to	1.75	sixteenth	notes
<i>H</i> .	is	equal	in	value	to	1.5	sixteenth	notes

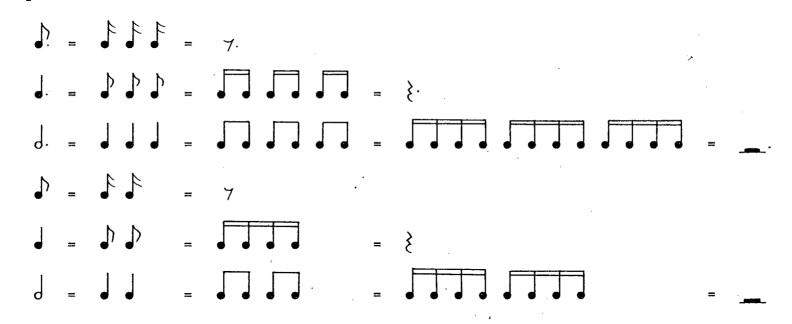
is equal in value to 1 sixteenth note

This chart may be used to determine the lowest common denominator in exercises intended to find the total number of beats contained within a measure. The values would be read as fractions with, for example, the whole note being equal in value to 16 sixteenth notes and consequently being read as 16/16 or, simply, as 1.



The purpose of this lesson is to diagram the comparative values of dotted and non-dotted notes and to compare the basic structure of simple and compound time.

Example 55



In the above series of notes, the dotted notes break down into groups of threes and follow the pattern: 3, 6, 12, etc. The non-dotted notes break down into groups of twos and follow the pattern: 2, 4, 8, etc. In both instances, there is a doubling of the previous value.

Lesson 13-14

Write one note in the space provided equal in value to half the sum of the note in the previous measure.



Lesson 15 👘 🖉

The purpose of this lesson is to diagram the comparative values of notes and rests.

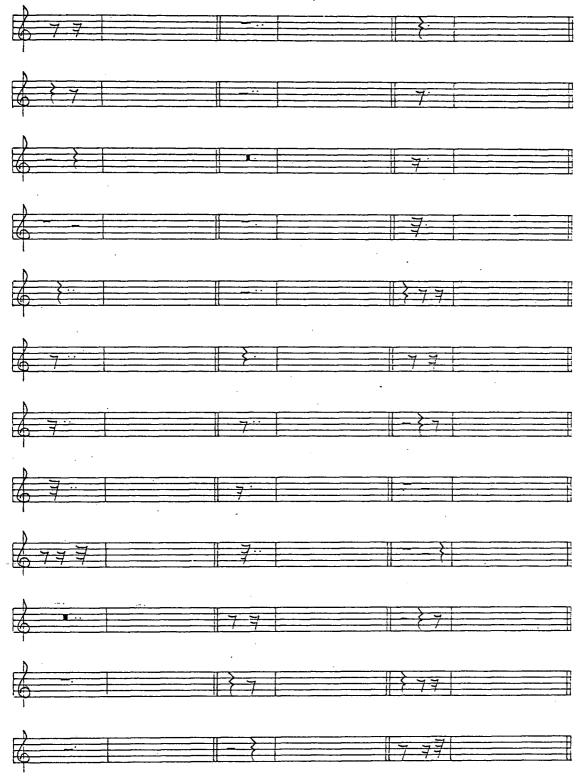
Example 56

0	is	equal	in	value	to	
٥·	is	equal	in	value	to	••••••••••••••••••••••••••••••••••••••
0	is	equal	in	value	to .	 .
۹	is	equal	in	value	to	_
٩.	is	equal	in	value	to	_ •
9	is	equal	in	value	to	
•	is	equal	in	yalue	to	ξ
	is	equal	in	value	to	٤ .
	is	equal	in	value	to	ξ
<u>.</u>	is	equal	in	value	to	7
Ì.	is	equal	in	value	to	7·
Þ	is	equal	in	value	to	7
£	is	equal	in	value	to	7
.	is	equal	in	value	to	7 ·
F	is	equal	in	value	to	7
J	is	equal	in	value	to	ヺ・・
Ш.	is	equal	in	value	to	¥.
ш .	is	equal	in	value	to	¥

Write one rest in the space provided equal in value to the sum of the note(s) in the previous measure.



Write dotted notes in the space provided equal in value to the sum of the rest(s) in the previous measure.



Using a variety of different note lengths and groupings, fill each of the following measures according to the given time, signatures.



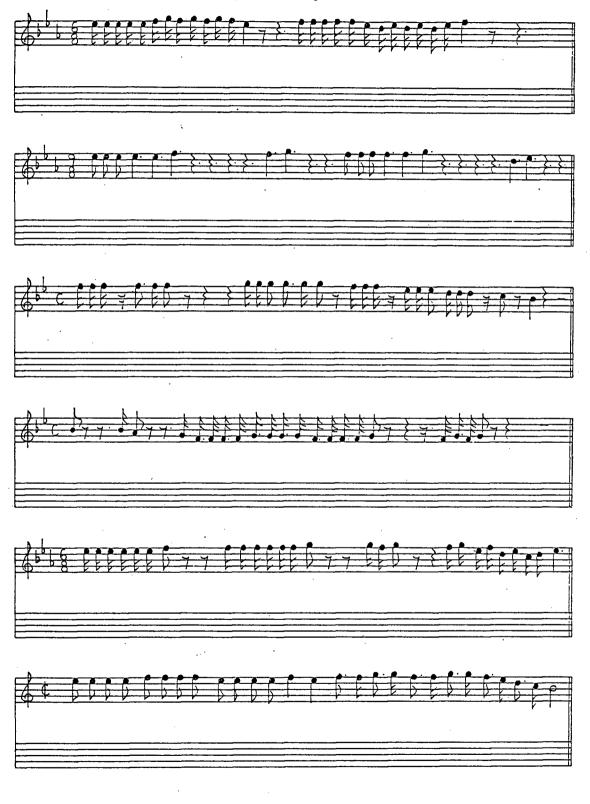
Write the proper time signatures at the beginning of each stave and then add bar lines to the following passages of music in accordance with the time signatures.



Lesson 19

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Correctly group the notes in the following passages of music and then add bar lines in accordance with the given time signatures.



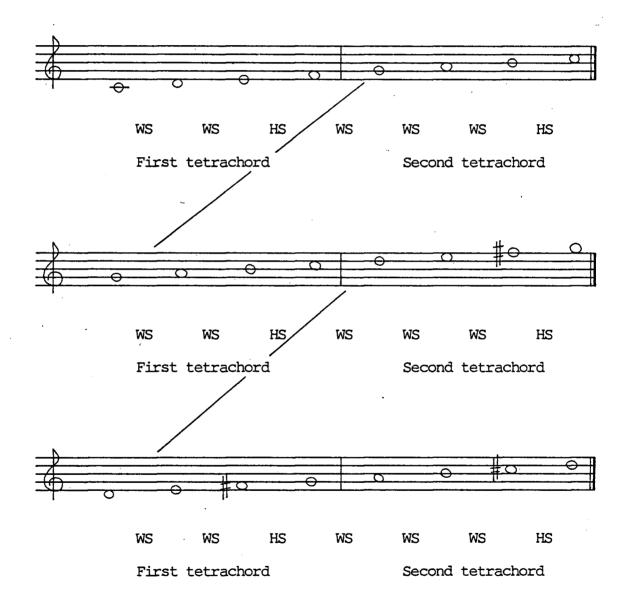
Lesson 20

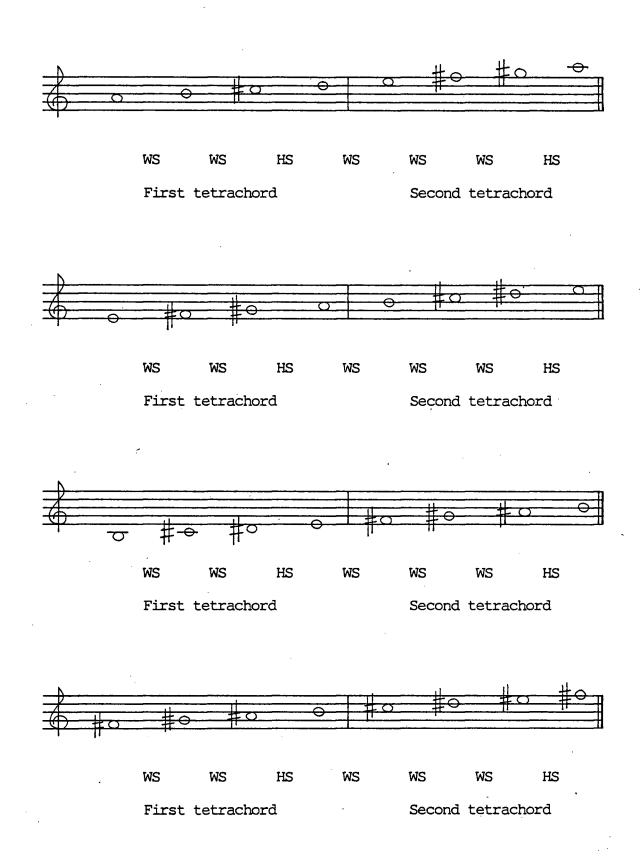


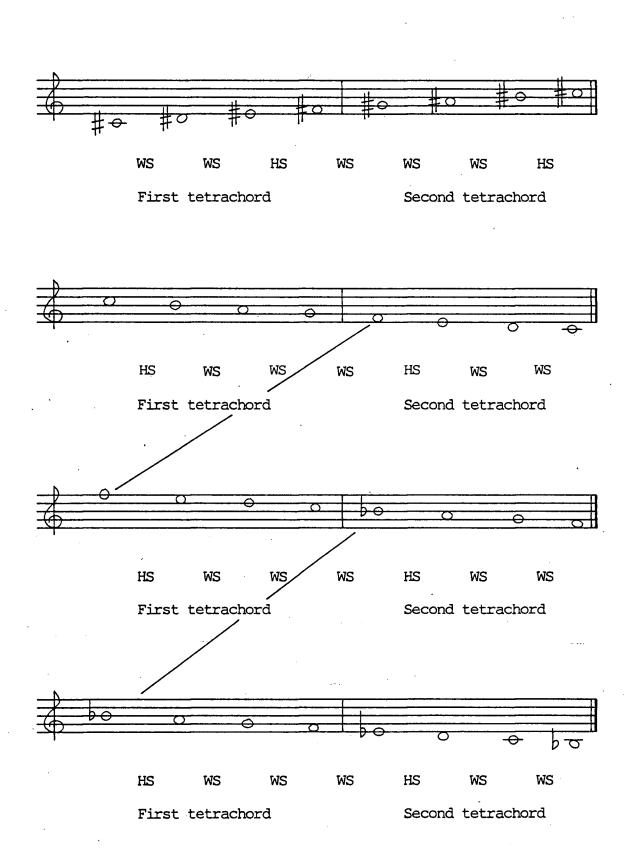
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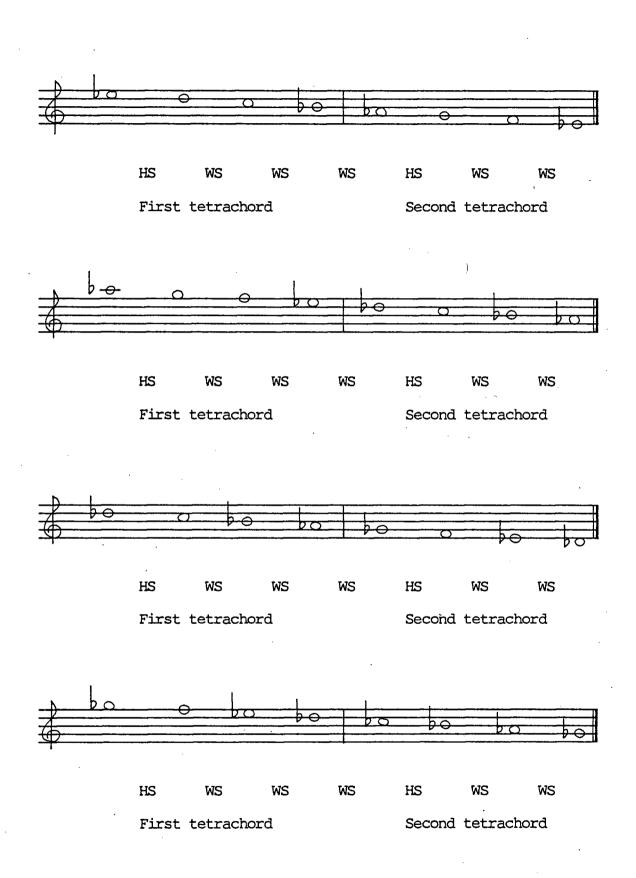
The purpose of this lesson is to provide a complete chart of all major scales.

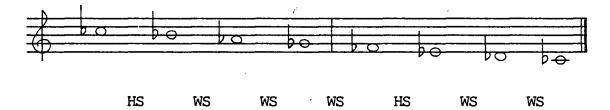
Example 57











First tetrachord	Second tetrachord

Example 58

Key of C Major	0 sharps	0 flats
Key of G Major	1 sharp	F#
Key of D Major	2 sharps	F#, C#
Key of A Major	3 sharps	F#, C#, G#
Key of E Major	4 sharps	F#, C#, G#, D#
Key of B Major	5 sharps	F#, C#, G#, D#, A#
Key of F# Major	6 sharps	F#, C#, G#, D# A#, E#
Key of C# Major	7 sharps	F#, C#, G#, D#, A#, E#, B#
,		
Key of F Major	1 flat	Bb
Key of F Major Key of Bb Major	1 flat 2 flats	Bb Bb, Eb
Key of Bb Major	2 flats	Bb, Eb
Key of Bb Major Key of Eb Major	2 flats 3 flats	Bb, Eb Bb, Eb, Ab
Key of Bb Major Key of Eb Major Key of Ab Major	2 flats 3 flats 4 flats	Bb, Eb Bb, Eb, Ab Bb, Eb, Ab, Db

Another way to determine what notes are contained within each major scale is to alternate tetrachords. Beginning with the C Major scale, make the second tetrachord the first tetrachord of the G Major scale. Because the first and eighth notes of a major scale are always an octave apart, only three additional notes have to be found. When those have been determined, take the second tetrachord of the G Major scale and make it the first tetrachord of the D Major scale and so on until all sharp keys have been found. To determine the flat keys, begin again with the C Major scale and take the first tetrachord, reverse it, and make it the first tetrachord of the F Major scale. As before, the first and eighth notes are an octave apart so only three additional notes must be determined. To continue through the remaining flat keys, take the second tetrachord of the F Major scale and make it the first tetrachord of the

There are other scales and sequences of notes called modes that are contained in junior concert band music and the interval patterns for the more frequently found are as follows.

Example 59

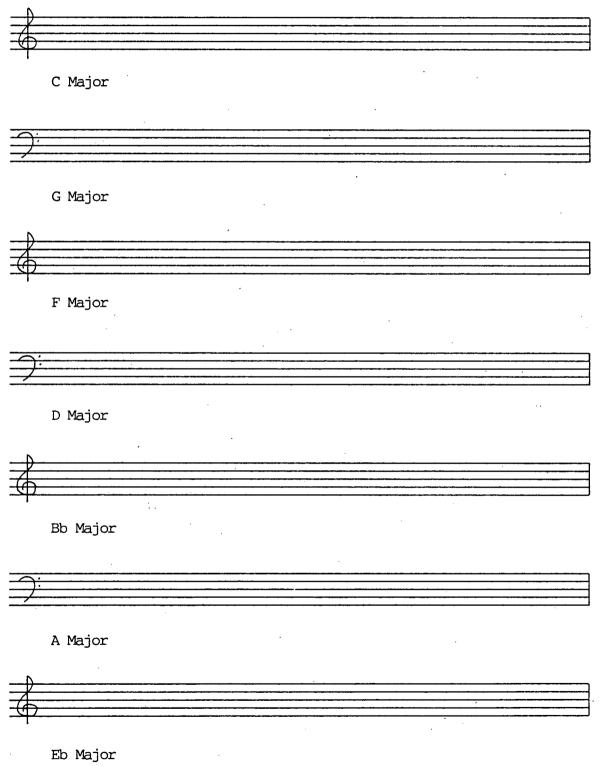
Major scale	WS	WS	HS	WS	WS	WS	HS
Harmonic minor scale	WS	HS	WS	WS	HS	WS+HS	HS
Melodic minor scale	WS	HS	WS	WS	WS	WS	HS
(descending)	WS	WS	HS	WS	WS	HS	WS
Chromatic scale	HS	HS	HS	HS	HS	HS	HS
(continued)	HS	HS	HS	HS	HS		•

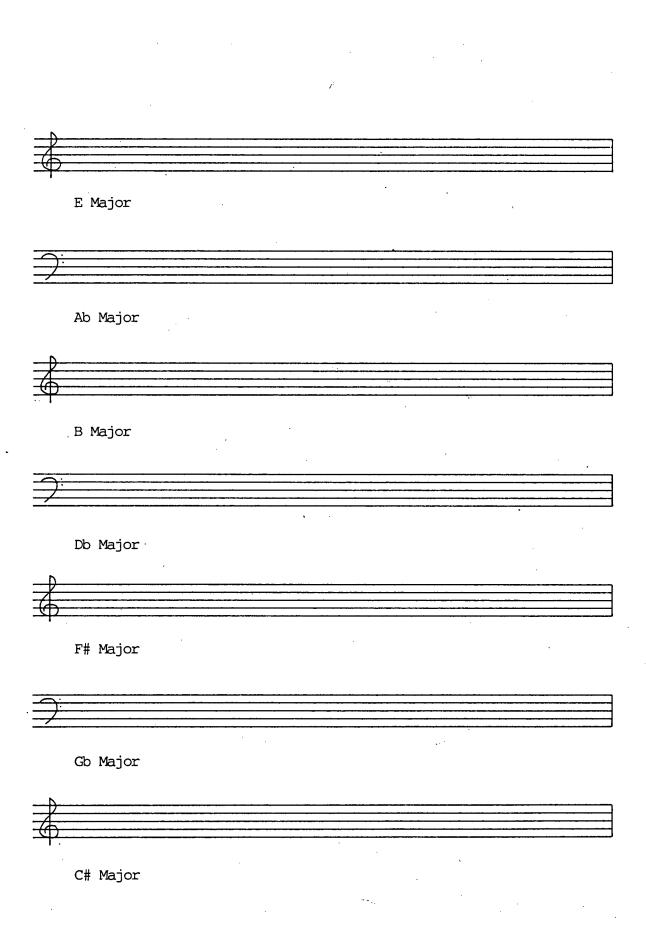
Dorian mode	WS	ĤS	WS	WS	WS	HS	WS
Phrygian mode	HS	WS	WS	WS	HS	WS	WS
Lydian mode	WS	WS	WS	HS	WS	WS	HS
Mixolydian mode	WS	WS	HS	WS	WS	HS	WS
Hypodorian mode	WS	HS	WS	WS	HS	WS	WS
Hypophrygian mode	HS	WS	WS	HS	WS	WS	WS
Hypolydian mode	WS	WS	HS	WS	WS	WS	HS
Hypomixolydian mode	WS	HS	WS	WS	WS	HS	WS
Pentatonic mode	WS	WS+HS	WS	WS	WS+HS		
Whole-tone mode	WS	WS	WS	WS	WS	WS	

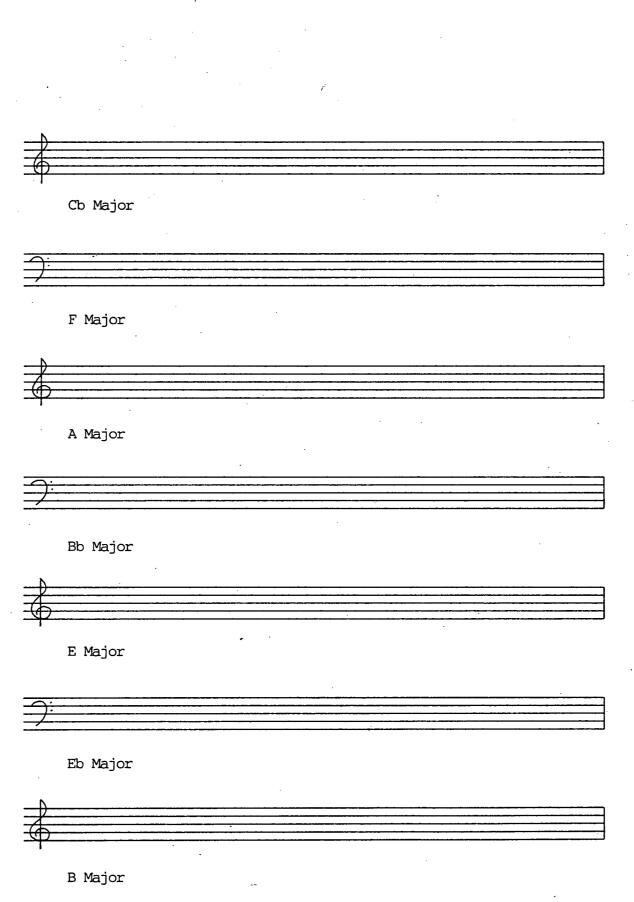
Both the authentic (dorian, phrygian, lydian, and mixolydian) and the plagel (hypodorian, hypophrygian, hypolydian, and hypomixolydian) modes are generally limited in range to one octave beginning and ending on specified pitches.



Write the following major scales one octave ascending without key signatures using accidental signs and marking all semitones with slurs.

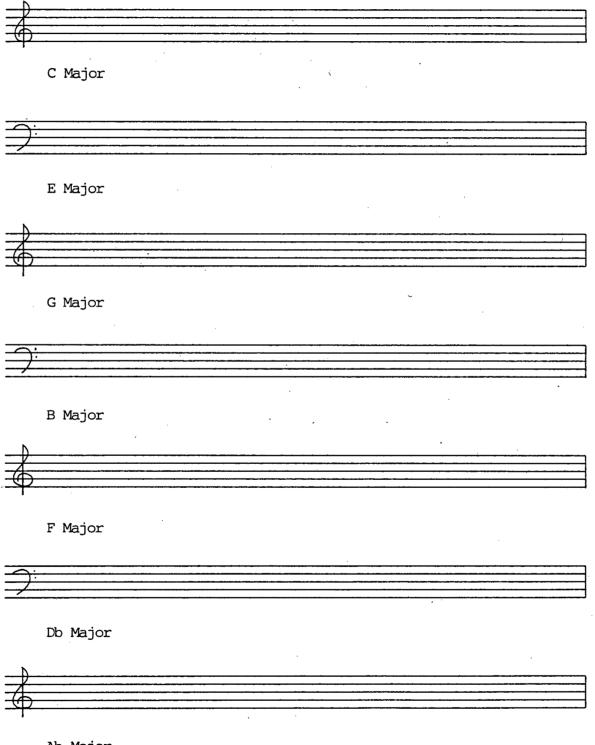




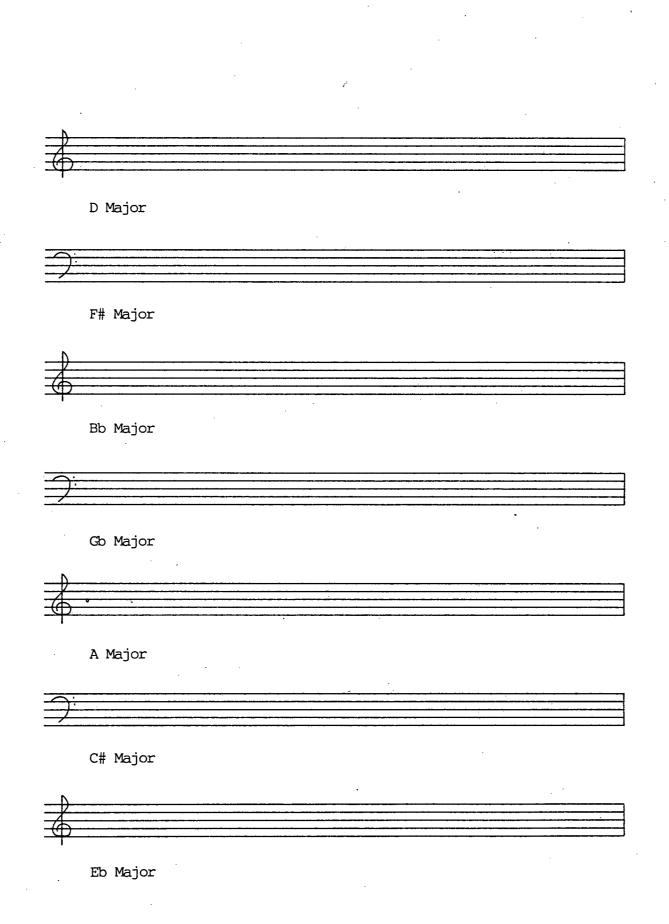


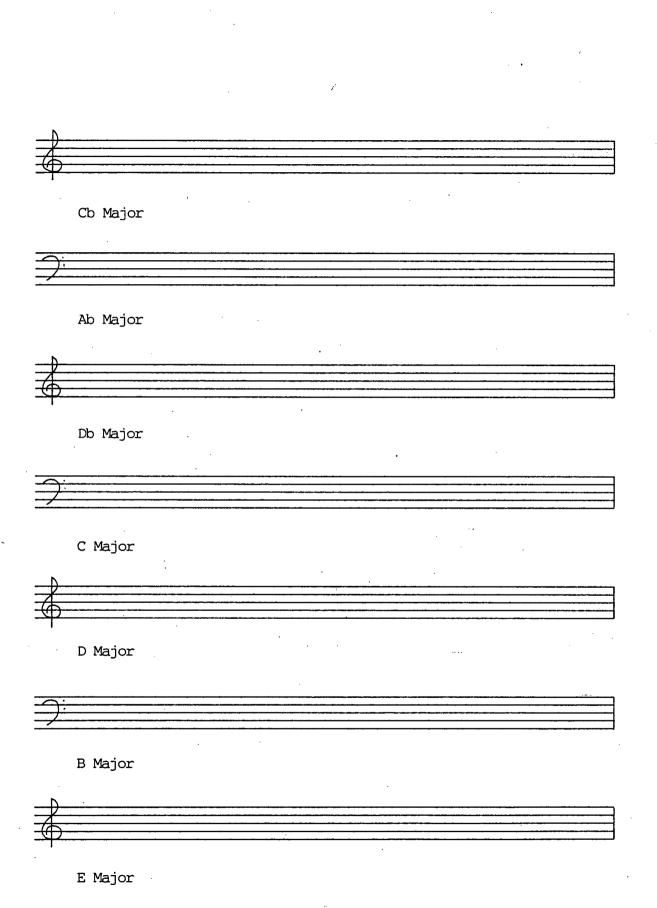


Write the following scales one octave descending using the proper key signatures and marking all semitones with a slur.



Ab Major





The purpose of this lesson is to provide a chart for determining interval size.

Example 60

Unison

Minor second	one semitone	
Major second	two semitones	one whole tone
Minor third	three semitones	
Major third	four semitones	two whole tones
Diminished fourth	four semitones	two whole tones
Perfect fourth	five semitones	
Augmented fourth	six semitones	three whole tones
Diminished fifth	six semitones	three whole tones
Perfect fifth	seven semitones	
Augmented fifth	eight semitones	four whole tones
Minor sixth	eight semitones	four whole tones
Major sixth	nine semitones	
Minor seventh	ten semitones	five whole tones
Major seventh	eleven semitones	
Perfect octave	twelve semitones	six whole tones
Minor ninth	thirteen semitones	
Major ninth	fourteen semitones	seven whole tones
Minor tenth	fifteen semitones	
Major tenth	sixteen semitones	eight whole tones

In the space between the staves, identify each of the following intervals.

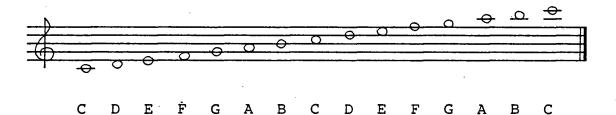
Lesson 23



The purpose of this lesson is to provide a method for determining how many of a particular interval is contained within a two octave span of a major scale.

Example 61

To determine how many major thirds there are in the C Major scale: i) write out the C Major scale two octaves, and

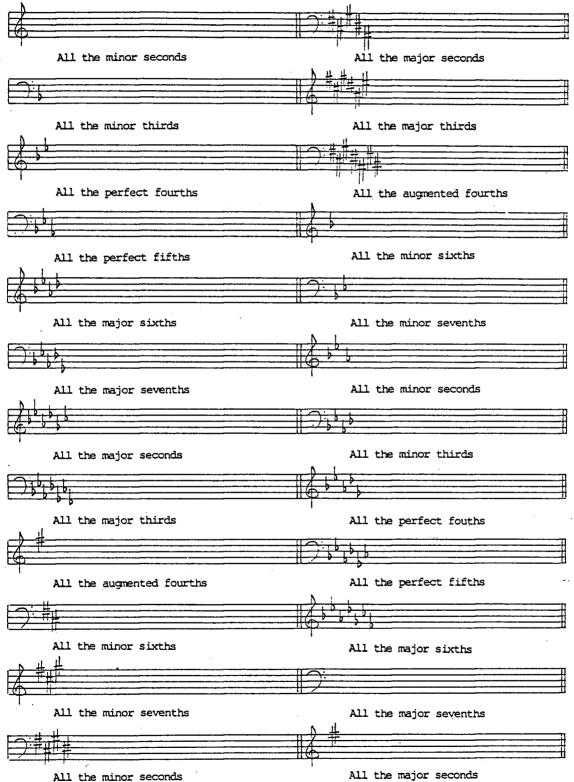


ii) reaffirm how many semitones are contained in a major third (four semitones or two whole tones).

iii) Beginning on middle C, count up chromatically four semitones.iv) If one of the notes listed above is four semitones above middle C, then the distance between the two notes can be marked as a major third.v) If the note is not listed then continue on to the second note, D, and repeat the procedure.

vi) Upon completion, eliminate any doubles that may have been counted.

In the measures provided, write all the requested intervals contained in the keys designated by the given major key signatures.



The purpose of this lesson is to provide a procedure for determining key signatures from diatonic intervals. A diatonic interval is a pair of notes contained in the same scale. A chromatic interval is a pair of notes not contained in the same scale. In many instances, a diatonic interval will be found in more than one scale.

The first step in this process to determine key signatures from diatonic intervals is to understand the sequence of sharps and flats.

Example 62

Sequence of sharps: F# C# G# D# A# E# B# Sequence of flats: Bb Eb Ab Db Gb Cb Fb

The sequence of sharps and flats are exactly opposite in order with the progression of sharps moving in ascending perfect fifths and the progression of flats moving in descending perfect fifths. It is this consistency of order that permits determination of key signatures.

The second step is to locate the sharp or flat that is closest to the end in one of the above sequences. If the sequence of sharps is involved, the final sharp will be the leading tone and the key will be one semitone or one half step above it. If the sequence of flats is involved, the final flat will be the subdominant and the key will be five semitones below it. The sharp diatonic interval may be contained in key signatures with more sharps. The flat diatonic interval may be contained in key signatures with less flats.



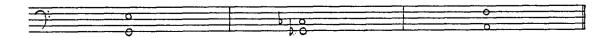












List the major keys that contain each of the following diatonic intervals.

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Lesson 25

The purpose of this lesson is to provide a procedure for determining the key of a given melody.

To determine the key of a given melody, find the sharp or flat that is closest to the end in the sequence of sharps and flats. For a sharp key signature, the final sharp will be the leading tone and the key will be one semitone above it. For a flat key signature, the final flat will be the subdominant of the key and the tonic or keynote will be five semitones lower. In the progression of flats, the key will be the flat preceding the final flat.

Determine the key in each of the following examples and place the key signature at the beginning of the stave.



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The purpose of this lesson is to provide a list of words showing strength of tone.

Example 63

Pianissimo (pp) Mezzo piano (mp)

Piano (p)

Mezza voce (mv)

Mezzo forte (mf)

Forte (f)

Fortissimo (ff)

Crescendo (

Decrescendo (

Diminuendo

Sforzando (sf)

Forzando (fz)

Rinforzando (rf)

Very soft

Moderately soft

Soft

Medium tone

Moderately loud

Loud

Very loud

Gradually become louder

Gradually become softer

Gradually become softer

Accented

Accented

Strengthen the tone

Lesson 28 /

The purpose of this lesson is to provide a list of words showing speed.

Example 64

Grave

Lento

Largo

Larghetto

Adagio

Andante

Andantino

Moderato

Allegretto

Allegro

Vivace

Presto

Prestissimo

Extremely slow, solemn Slow Broad Rather broad Slow, leisurely Going at an easy pace At a moderate pace but not as slow as andante Moderate speed Rather fast Fast Lively Very quick As fast as possible

The purpose of this lesson is to provide another list of words relating to speed.

Example 65

Accelerando (accel.) Rallentando (rall.)

Calando

Ritardando (ritard.)

Ritenuto (rit., riten.)

A tempo

Ad libitum (ad lib.)

A piacere

Meno mosso

Piiu mosso

Get gradually faster Get gradually slower Softer and slower Slow down the speed Hold back the speed In time (original speed) At the performer's pleasure At the performer's pleasure Slower at once Quicker at once

The purpose of this lesson is to provide a list of terms relating to tone.

Example 66

Mancando

Smorzando

Morendo

Piu forte

Piu piano

Meno forte

Meno piano

Perdendosi

Dying away Dying away More loudly More softly Less loudly Less softly

Failing or waning tone

Losing itself by getting softer and slower

The purpose of this lesson is to provide another list of terms relating to speed.

Example 67

Broadly, massively Largamente Adagietto Rather leisurely Ordinary speed Tempo ordinario Tempo commodo Convenient, comfortable speed Vivacissimo Extremely lively Quick, rapid Tosto Quick, nimble Celere Veloce Swiftly Stringendo (string.) Hurrying the speed Stretto Hurrying the speed Hurrying the speed Affrettando In strict or exact time Tempo giusto In double time Doppio tempo In double time Doppio movimento In the same time as the preceding L'istesso tempo movement At the same speed as at first Tempo primo More slowly Piu lento

Example 68

Year One, Term One: September to Mid-October

Theory of music level 1:1A Theory of music level 1:1B Theory of music level 1:2A Theory of music level 1:2B Theory of music level 1:3 Theory of music level 1:4

Term Two: Mid-October to Christmas Break

Theory of music level 1:5

Theory of music level 1:6

Theory of music level 1:7

Theory of music level 1:8

Term Three: January to Mid-February

Theory of music level 1:9 Theory of music level 1:10 Theory of music level 1:11 Theory of music level 1:12 Theory of music level 1:13

Term Four: Mid-February to the End of March

Theory of music level 1:14 Theory of music level 1:15 Theory of music level 1:16

Theory of music level 1:17

Theory of music level 1:18

Term Five: April to Mid-May

Theory of music level 1:19 Theory of music level 1:20 Theory of music level 1:21 Theory of music level 1:22 Theory of music level 1:23

Term Six: Mid-May to the End of June

General review in preparation for a final, cumulative examination.

Year Two, Term One: September to Mid-October

Theory of music level 2:1

Theory of music level 2:2

Theory of music level 2:3

Theory of music level 2:4

Theory of music level 2:5

Term Two: Mid-October to Christmas Break

Theory of music level 2:6 Theory of music level 2:7 Theory of music level 2:8 Theory of music level 2:9

Theory of music level 2:10

Term Three: January to Mid-February

Theory of music level 2:11 Theory of music level 2:12 Theory of music level 2:13 Theory of music level 2:14 Theory of music level 2:15

Term Four: Mid-February to the End of March

Theory of music level 2:16 Theory of music level 2:17 Theory of music level 2:18

Theory of music level 2:19

Theory of music level 2:20

Term Five: April to Mid-May

Theory of music level 2:21

Theory of music level 2:22

Theory of music level 2:23

Theory of music level 2:24

Theory of music level 2:25

Term Six: Mid-May to the End of June

Theory of music level 2:26

Theory of music level 2:27

Theory of music level 2:28

Theory of music level 2:29

Theory of music level 2:30

Theory of music level 2:31

Theory of music level 2:32

Theory of music level 2:33

General review in preparation for a final, cumulative examination.

Chapter 2

RHYTHMIC PROGRESSIONS

Introduction

The rhythmic progressions contained in this chapter are intended to be used to build student recognition of the primary components of rhythm, to aid in the study of articulations and dynamics, and to accompany exercises involving concert scales. Most of the concert pieces contained within the junior concert band repetoire use one or more of the following rhythmic progressions. If students are familiar with these rhythmic progressions they will be able to perform them with less difficulty in the concert pieces.

The primary components of rhythm are whole notes and whole rests, half notes and half rests, quarter notes and quarter rests, eighth notes and eighth rests, sixteenth notes and sixteenth rests, and eighth note triplets and quarter note triplets.

The whole note (o) and the whole rest (-) receives 4 beats in 4/4 time. The beats are counted 1 - 2 - 3 - 4. The sound or silence is continuous.

The half note (d) and the half rest (<u>)</u>) receives 2 beats in 4/4 time. The beats are counted 1 - 2 or 2 - 3 or 3 - 4 depending on the placement of the half note or half rest within the measure. The sound or silence is sustained for 2 full beats.

The quarter note (\checkmark) and the quarter rest (\rbrace) receives 1 beat.

in 4/4 time. The beat is counted 1 or 2 or 3 or 4 depending on the placement of the quarter note or quarter rest within the measure. The sound or silence is sustained for 1 full beat.

The eighth note (\bullet) and the eighth rest (7) receives $\frac{1}{2}$ beat in 4/4 time. Consecutive eighth notes and rests are counted 1 + 2 + 3 + 4 +with the numbers indicating the first half of the beat and the addition signs indicating the second half of the beat.

The sixteenth note (\checkmark) and the sixteenth rest (7) receives ¹/₄ beat in 4/4 time. Consecutive sixteenth notes or sixteenth rests are counted 1 e + a 2 e + a 3 e + a 4 e + a indicating the 4/16ths contained in each quarter note or quarter rest beat.

The eighth note triplet and the quarter note triplet are examples of 3 against 2 counting; 3 eighth notes or 3 quarter notes are written in a rhythmic progressions where only 2 eighth notes or 2 quarter notes should be. To accomodate triplets, maintain the beat but instead of counting "1 +" or "1 2", say "tri-pl-et".

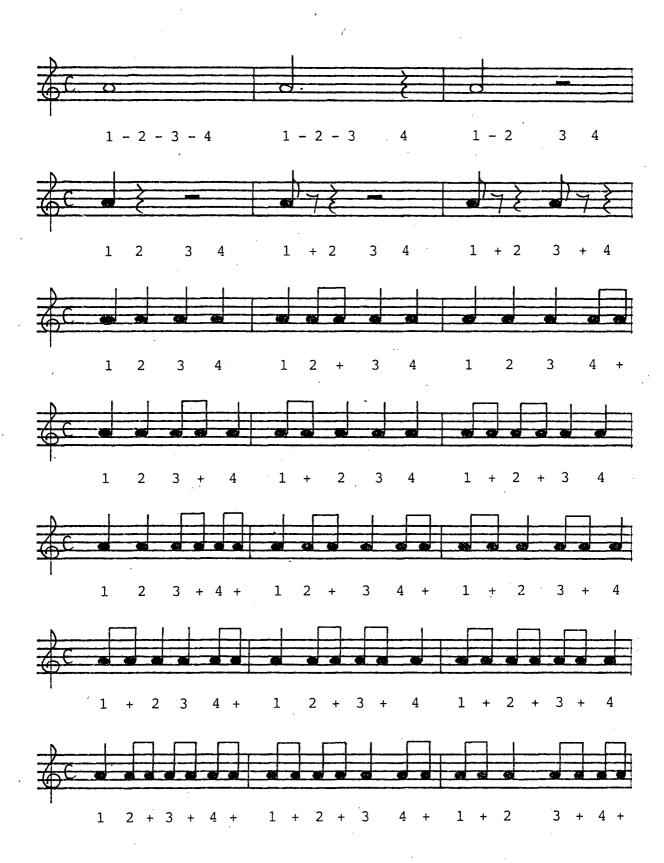
Remember that simple time signatures are based on "2" while compound time signatures are based on "3". Also remember that fractions will remain constant in both simple and compound time. An eighth note (1/8) is equal to 2 sixteenth notes (1/16 + 1/16 = 1/8) and is half the value of a quarter note (1/4 divided by 2 = 1/8).

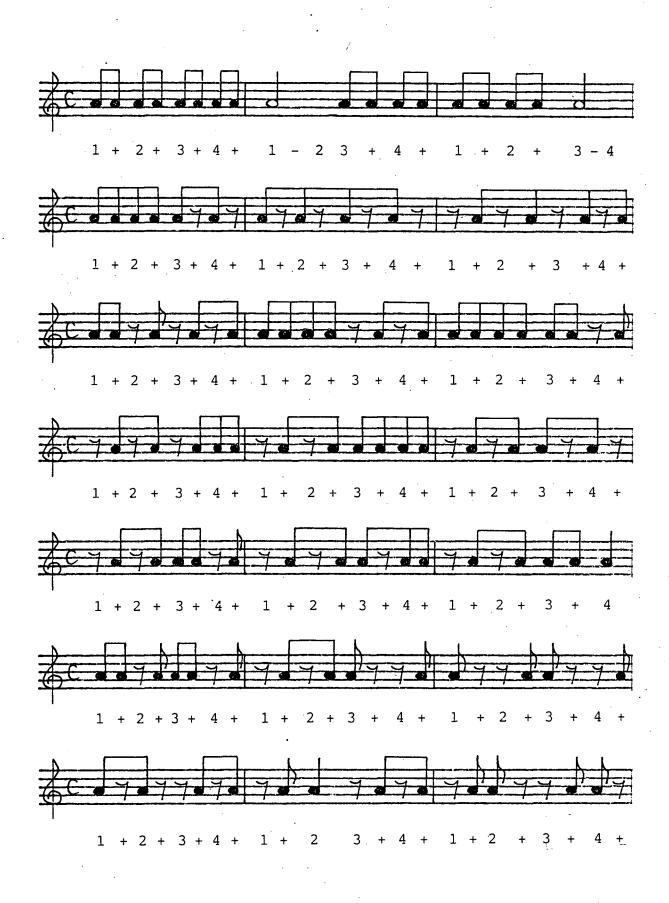
The reader is encouraged to impose the articulation markings found in chapter 5 on the rhythmic progressions to increase the level of difficulty and to expand learning. Similarly, dynamic markings can be used to challenge the reading abilities of the students once it becomes apparent that the rhythmic progressions

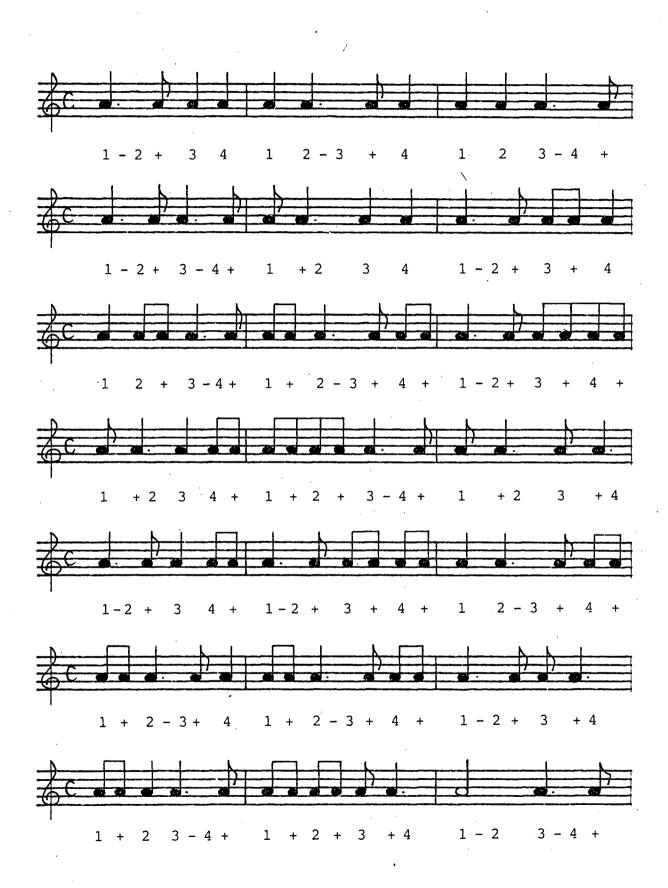
are fully understood.

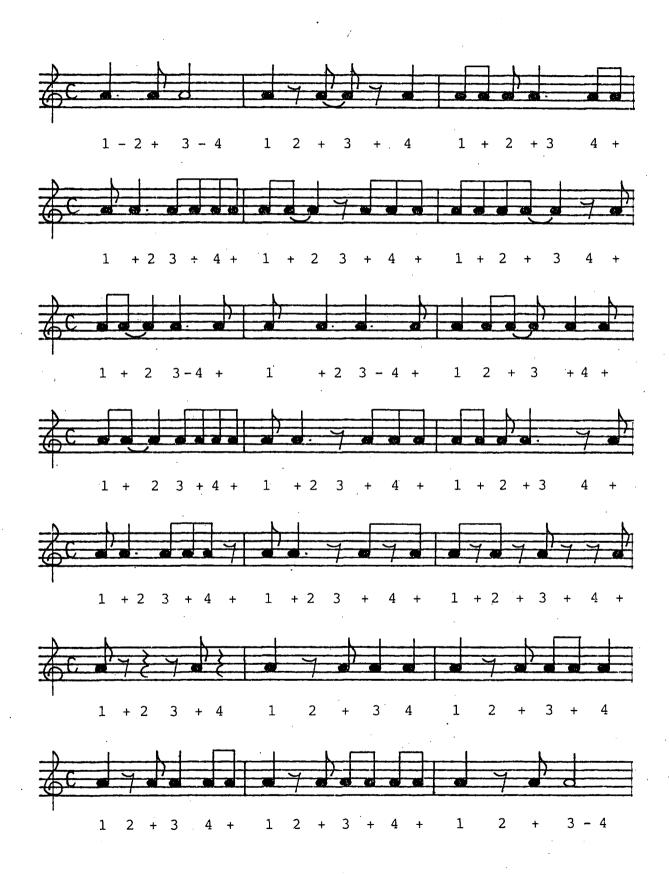
The rhythmic progressions should be used during concert scale reviews to increase interest in the scales and depth of understanding in the patterns. The progressions can be counted out and performed, clapped and performed, clapped by the director and written out by the students or played by the director and played back by the students. Once the rhythmic progression and the concert scale are understood by the band students, the pattern can be applied as a rhythmic ostinato on each step of the scale.

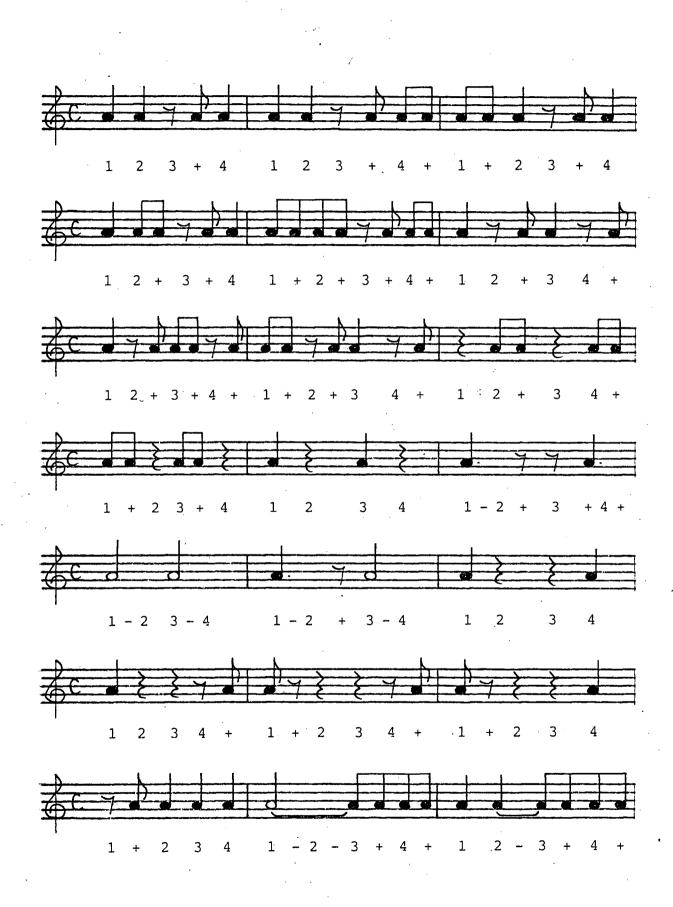
In a more advanced application, the director can specify the rhythmic progression, the placement of specific articulation markings and dynamic levels within that progression, and the concert scale the exercise will be performed on. This drill can be accomplished using the entire band or selected individuals within the group and serves to reinforce the lesson that there is more to performing music than merely playing notes and rhythms. The experience of performing musically during the technical part of the lesson will establish a standard that will continue when concert pieces are being taught.

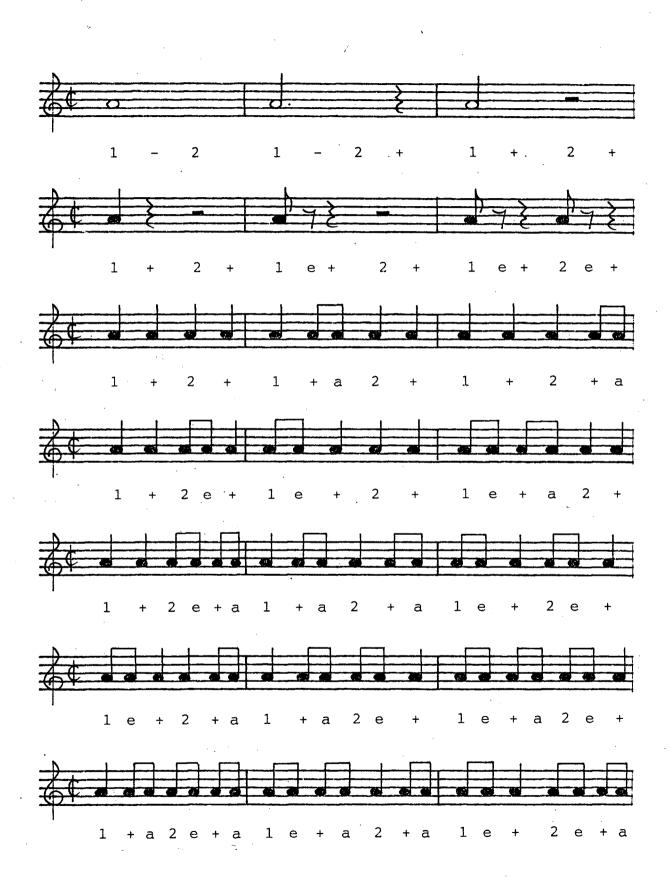


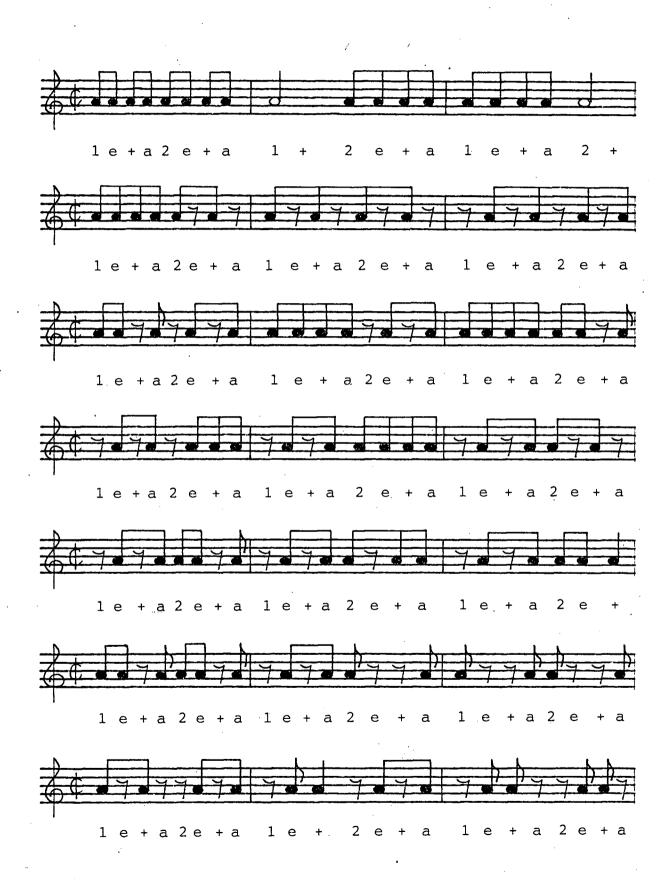


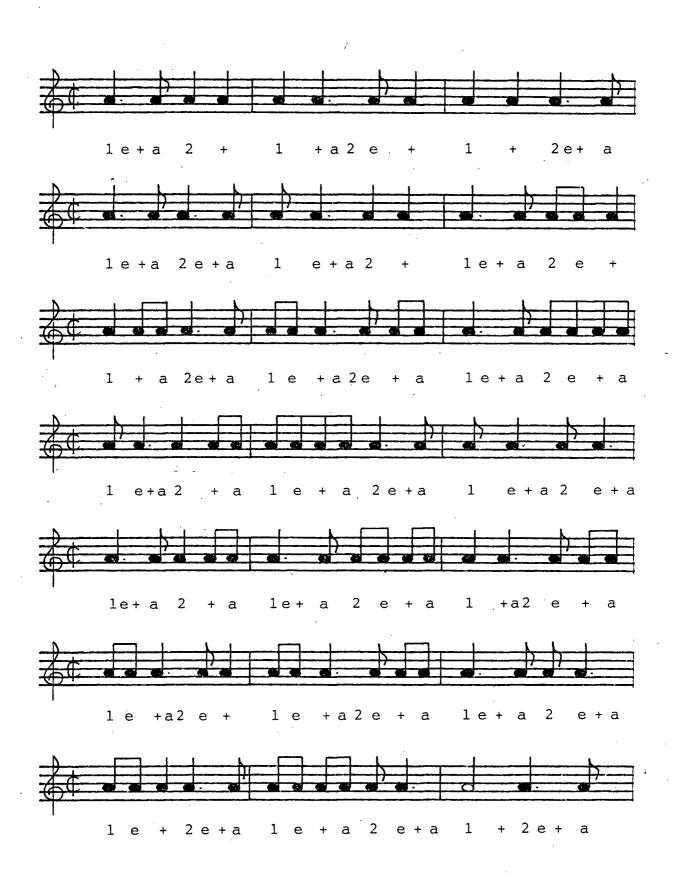




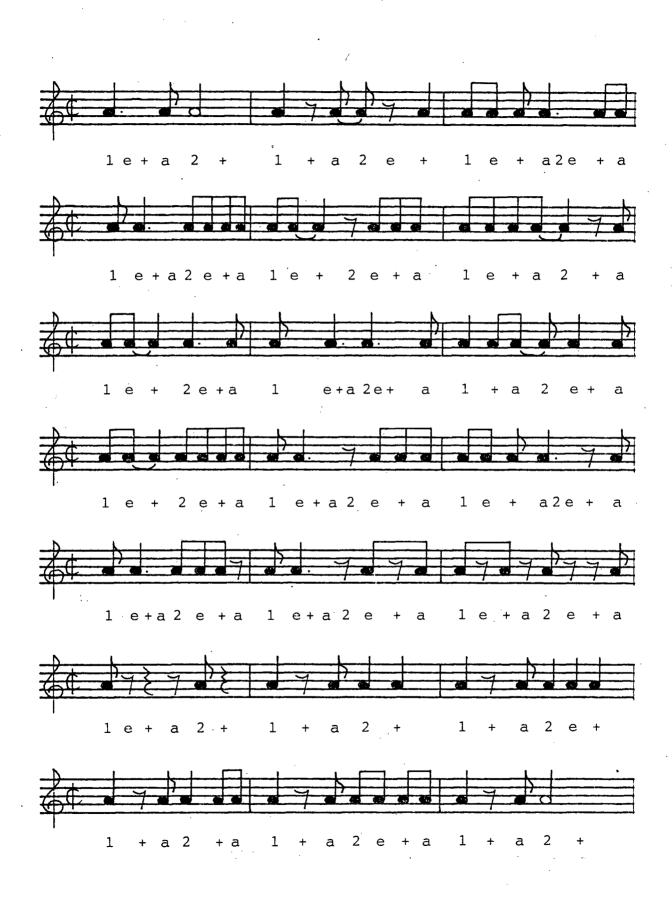




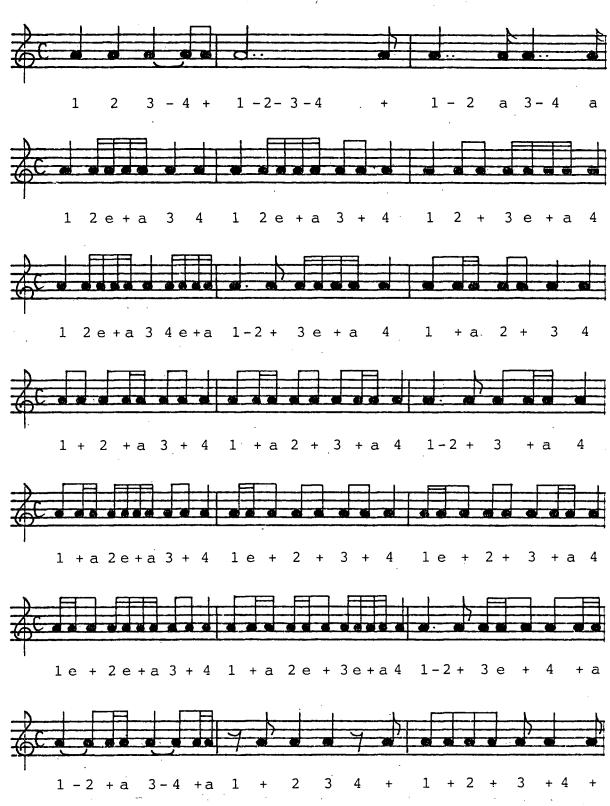




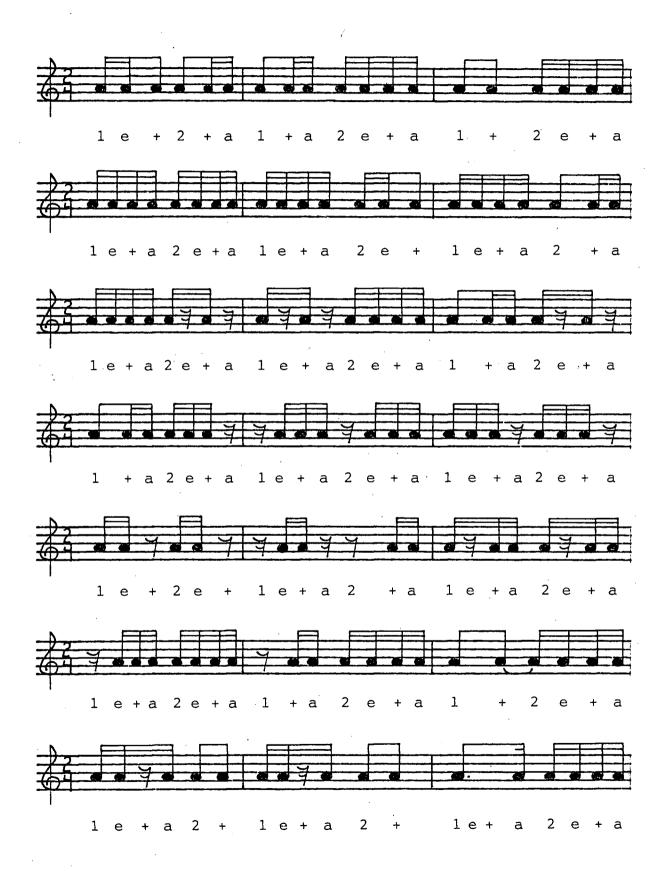
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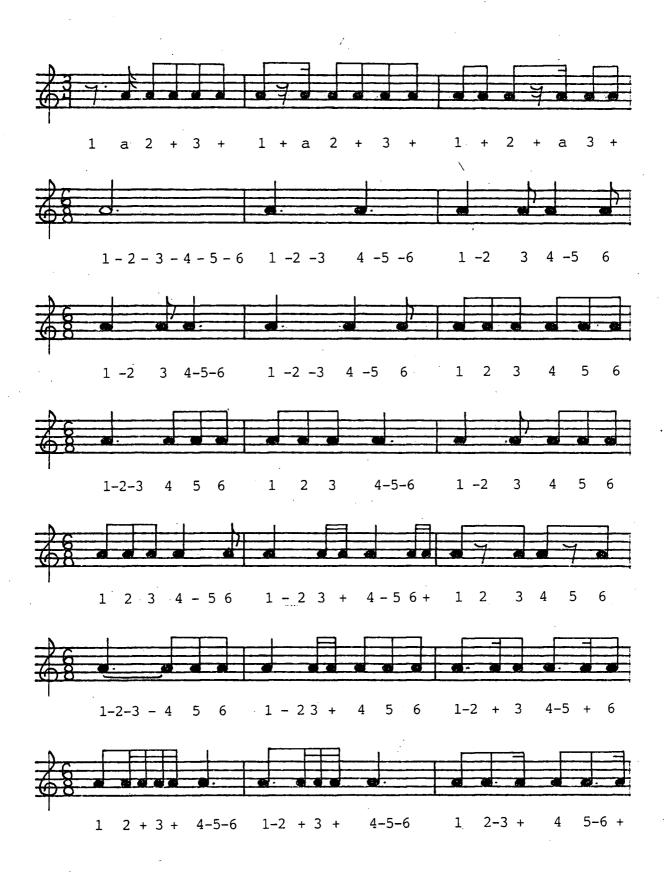














Chapter 3

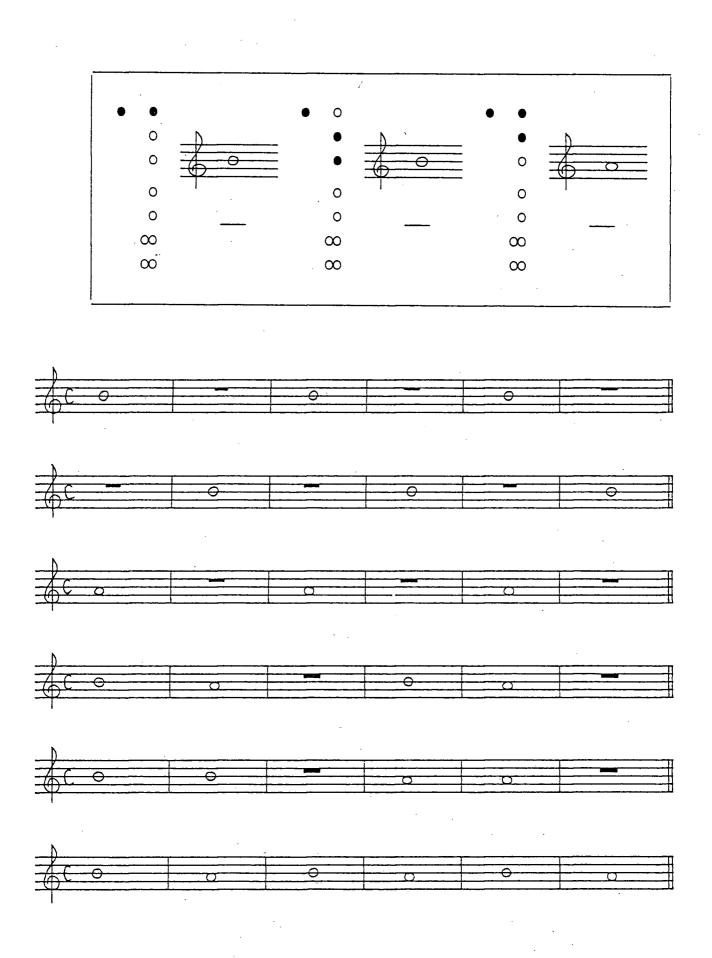
PRE-BAND

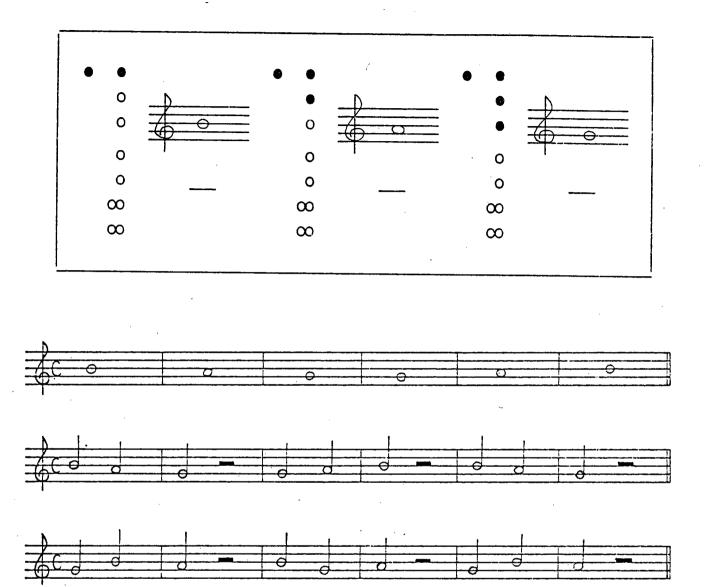
Introduction

Pre-band instruction is a forum for presenting some difficult performance techniques without the added complexities of a band instrument. Pre-band lessons in music theory and recorder to grades 6-7 students provide the skills to read and perform music on an instrument that is relatively easy to produce a sound on. Students are sequentially presented notes and rhythms that gradually increase in difficulty. The selected rhythms are presented over and over to allow students to become comfortable with the patterns. The new fingerings are featured at the top of each page to serve as a reference and to diagram enharmonic equivalents and alternate fingerings. When students have successfully completed the recorder and relevant theory lessons, they should find the transition onto a band instrument substantially easier.

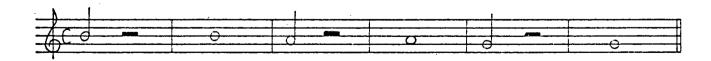
The recorder lessons are to be used again during the final months of first year junior concert band as they are within a range easily attained on the flute and the saxophone and, to a lesser extent, on the clarinet. The lessons can be adapted to accomodate the trumpet and bass sections of the band.

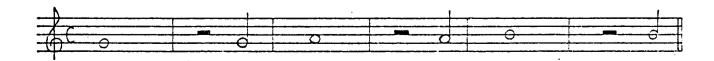
During the second and third years of junior concert band, the passages of music for the recorder can be used in combination with the Curwen hand signs and concert pitch recognition. The director states the concert key the exercise is in and, using the hand signs to show the steps in the progressions, leads the students through the melodic and rhythmic passages in unison. I find this procedure especially useful in teaching chromatic scales. I describe each of the steps in terms of concert pitch so a chromatic scale one octave from Bb to Bb would follow the verbal pattern: concert Bb, concert B, concert C; concert D, concert Eb, concert F, concert G, concert A, and concert Bb up the octave. As the students will have performed each of the major concert scales during first year junior concert band, the exercise should be easily performed by the students. This knowledge is particularly valuable when warming-up and tuning. By integrating hand sign and concert pitch recognition with the melodic and rhythmic progressions contained in the recorder exercises, the students are building on knowledge received during an earlier stage of development. By building on these fundamental approaches to band instruction, learning becomes less apprehensive and more familiar to the student.

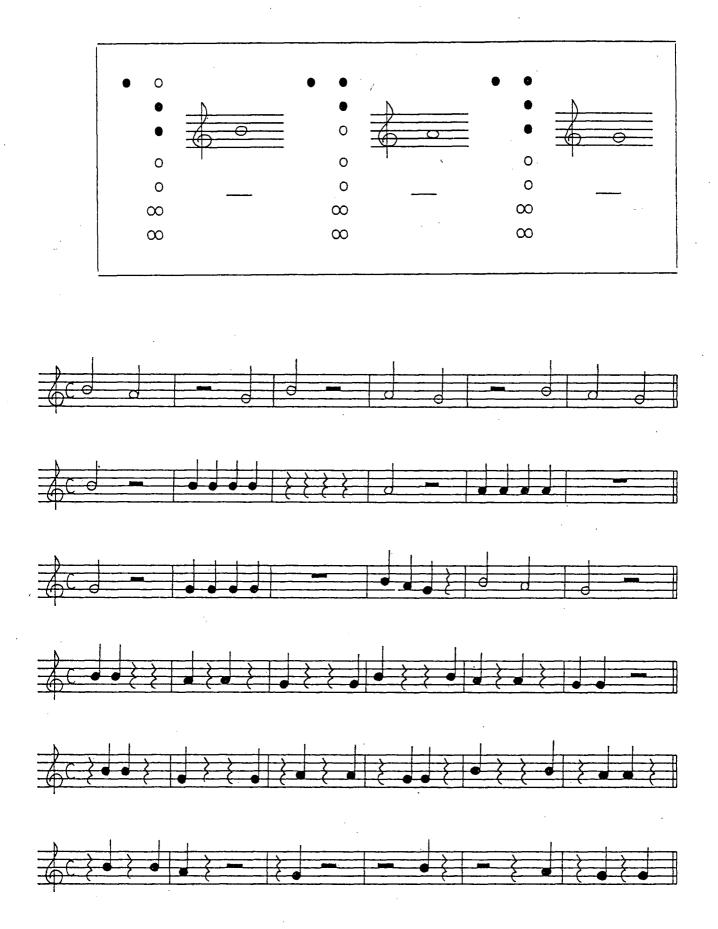




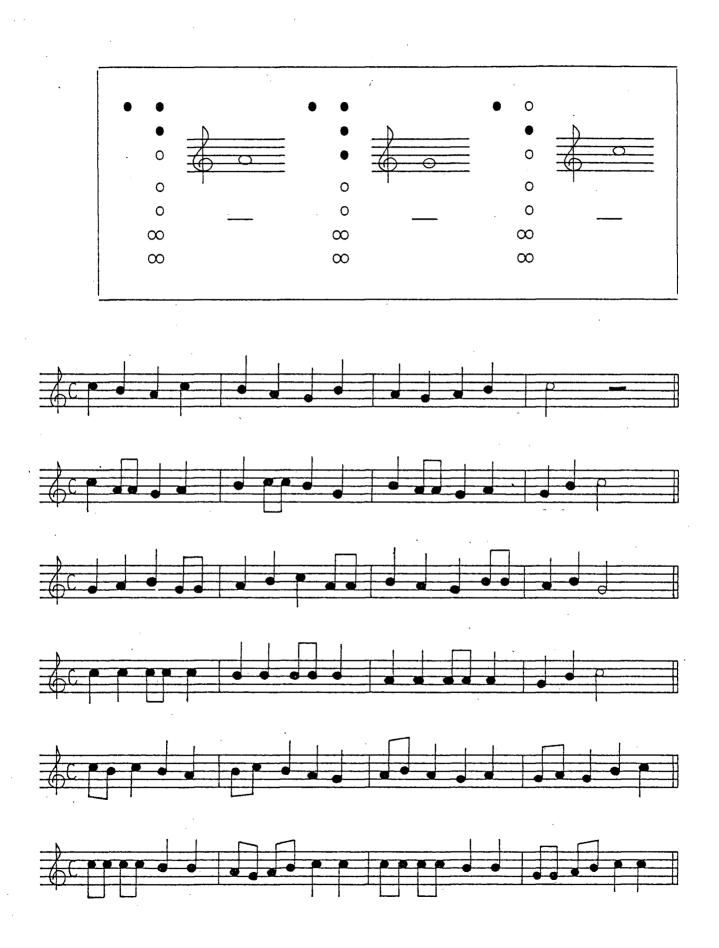


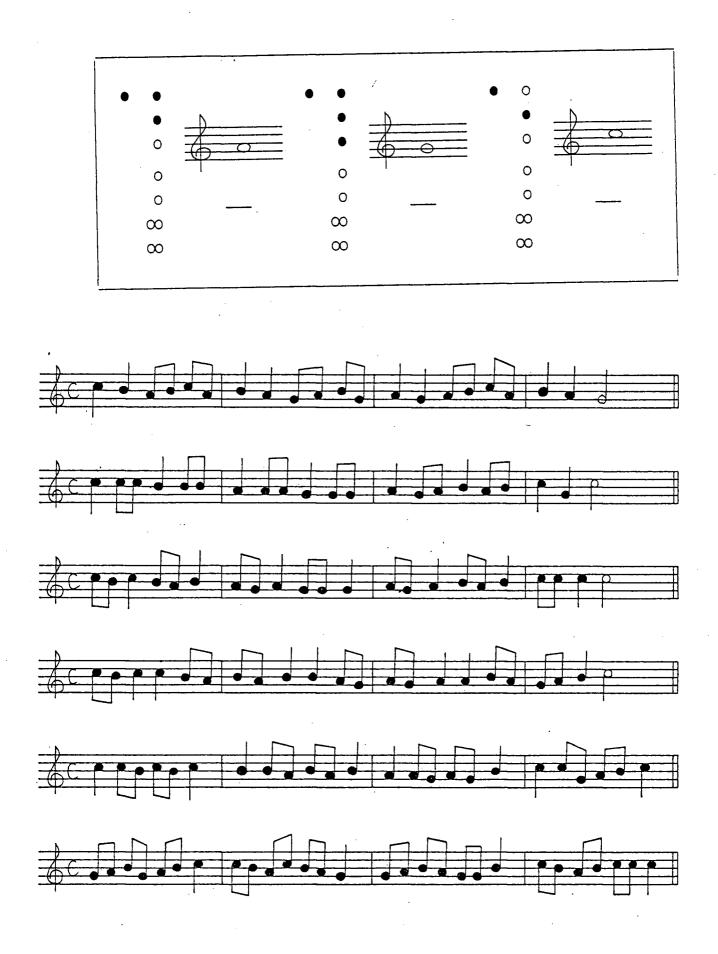


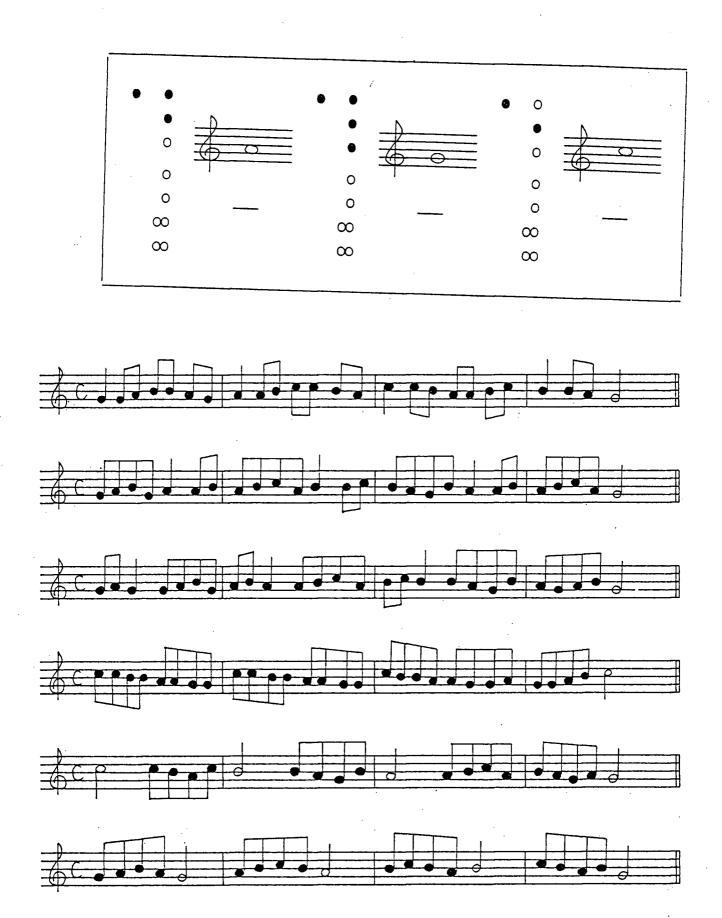


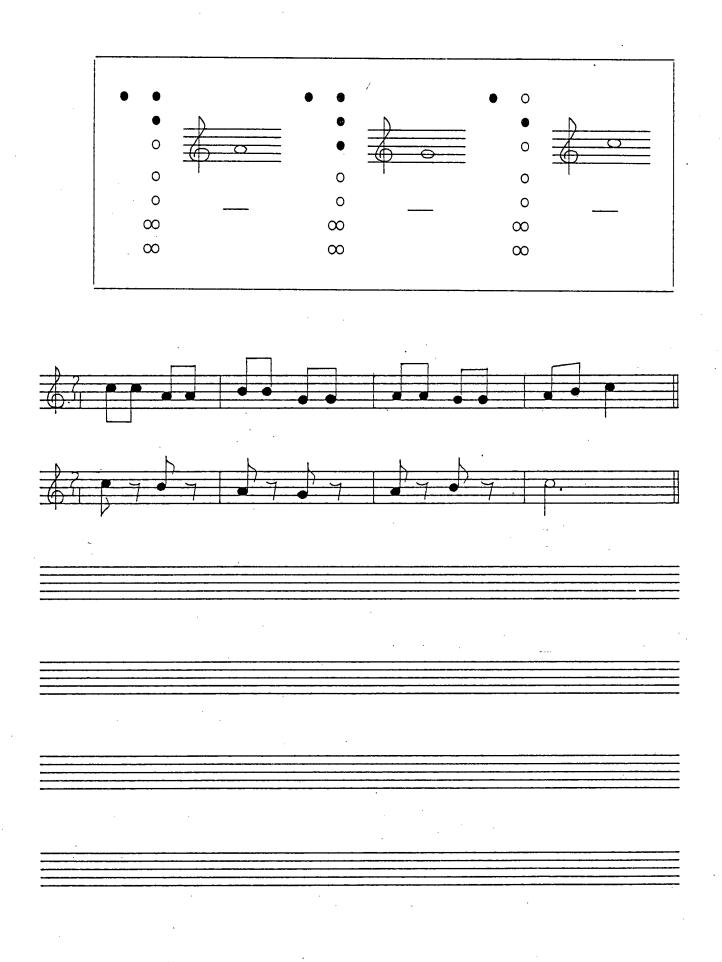


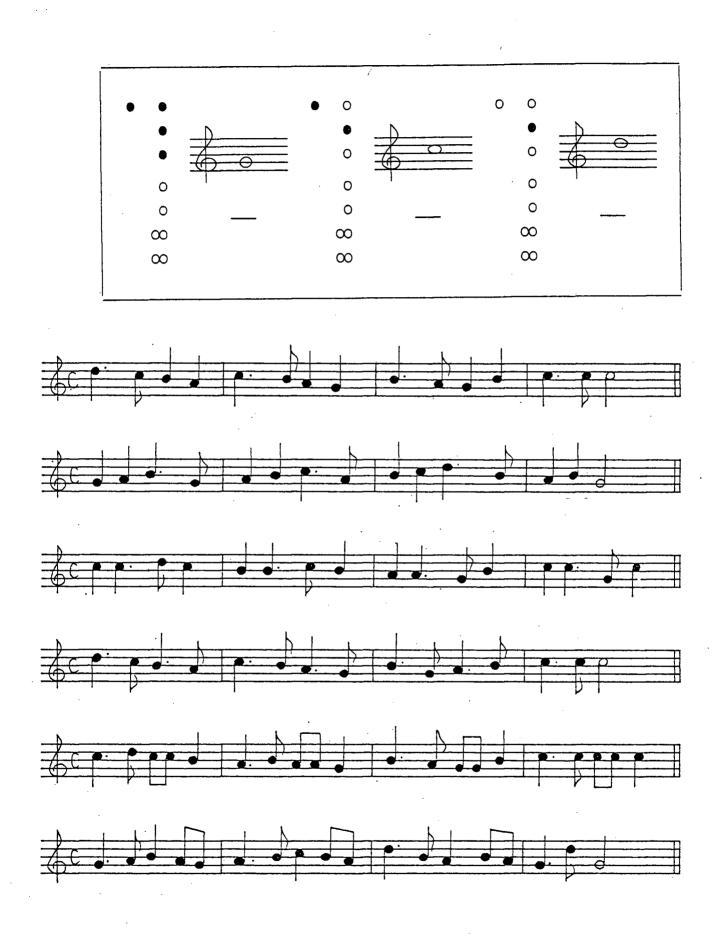
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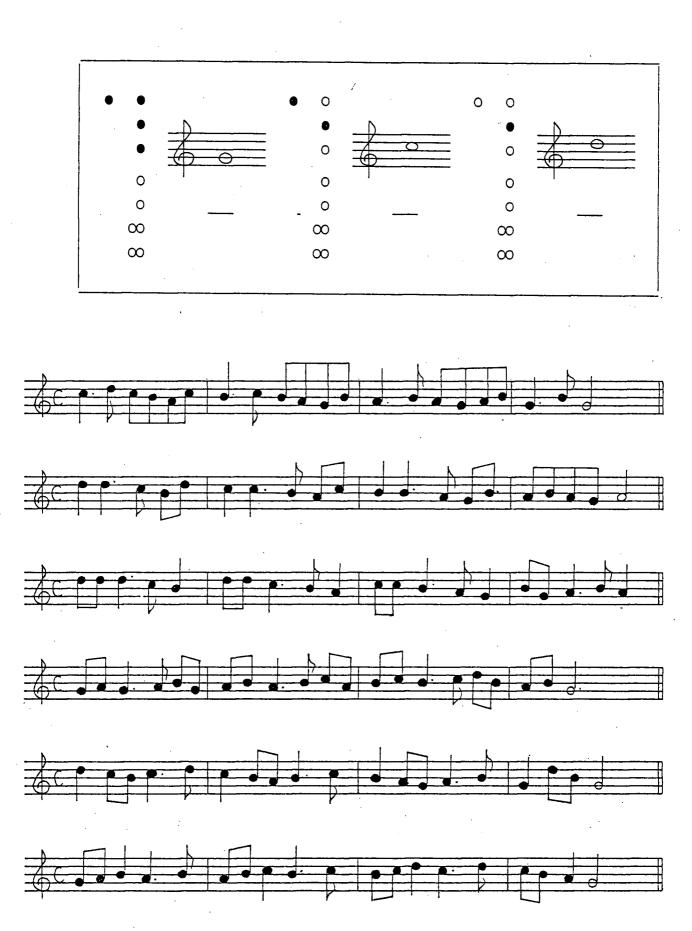


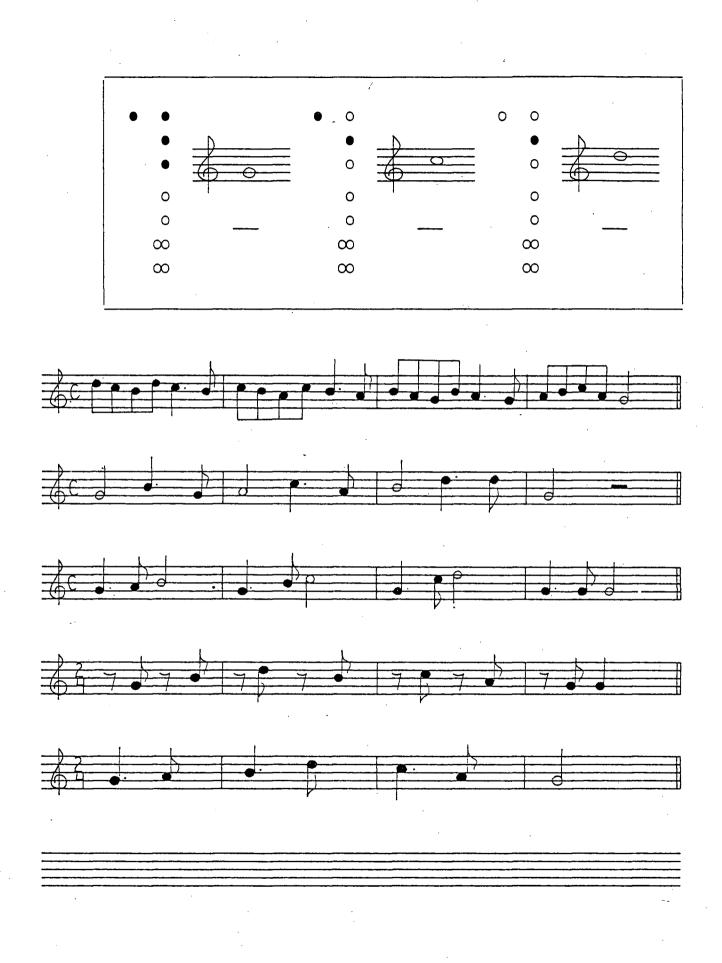


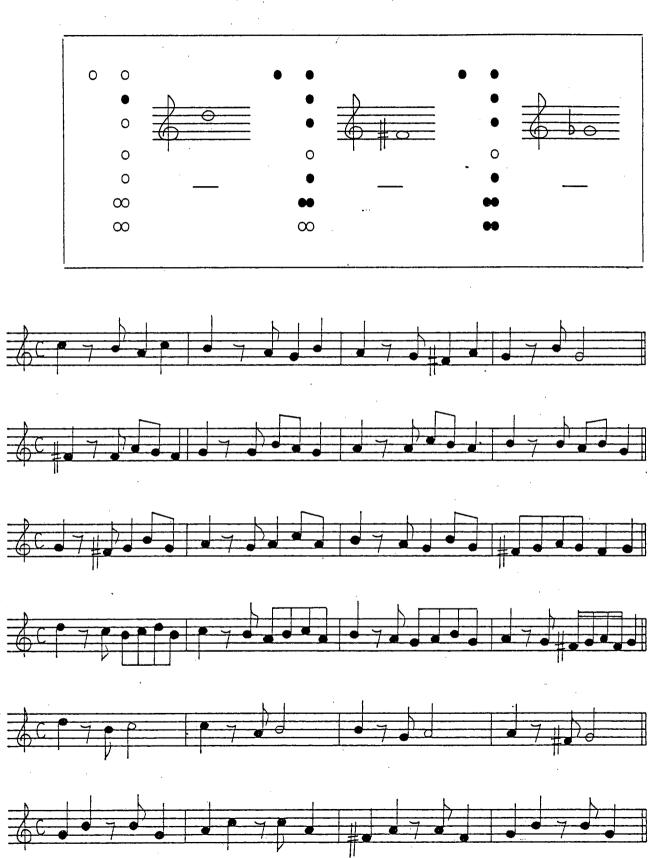


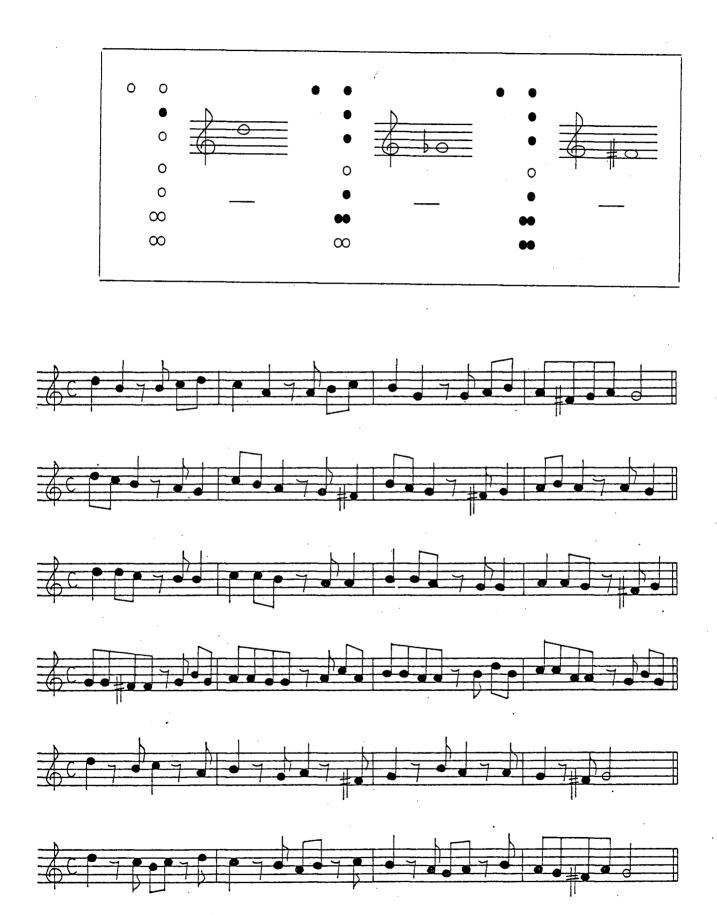


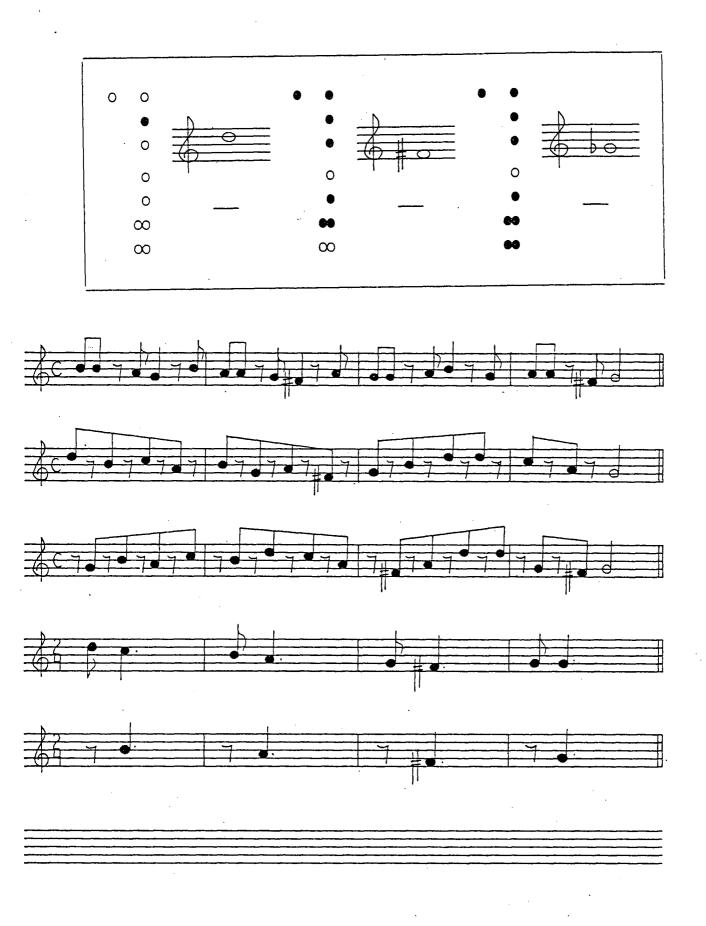


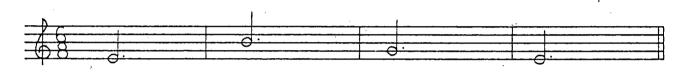


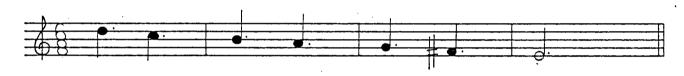










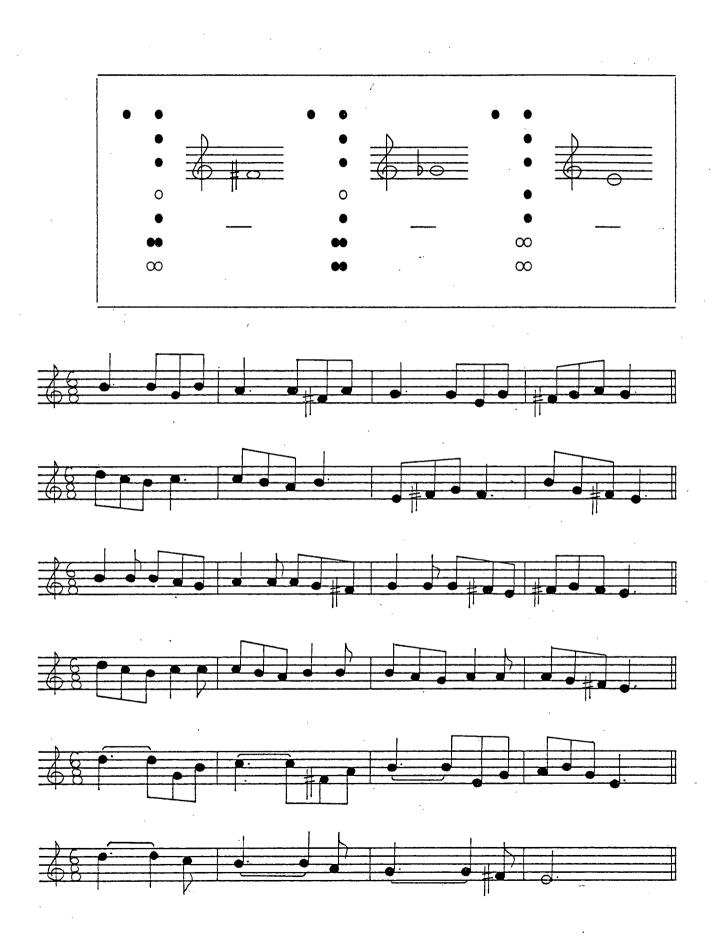


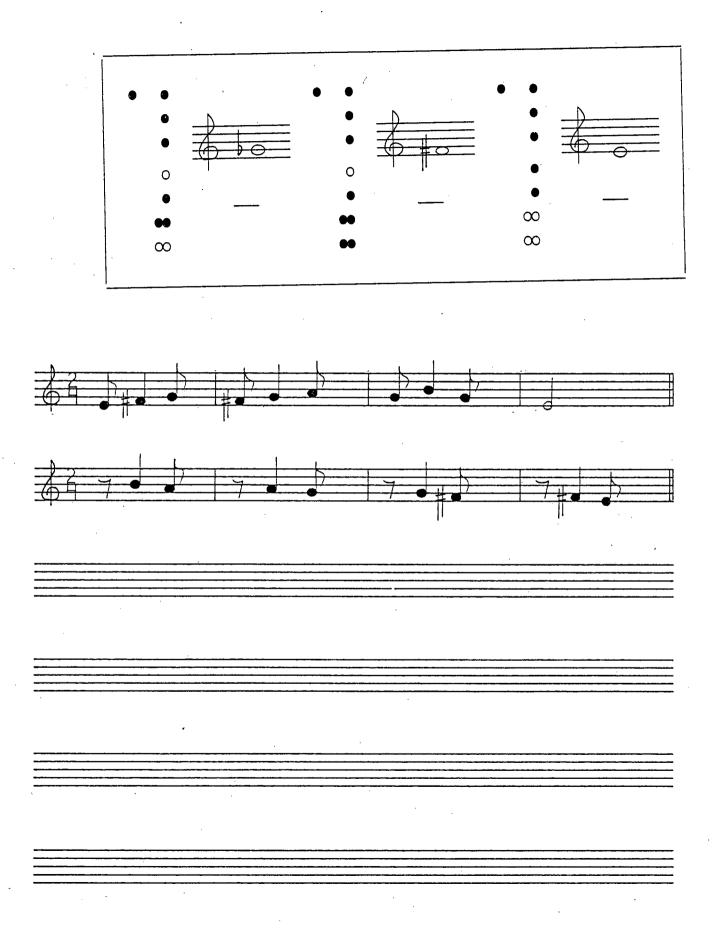


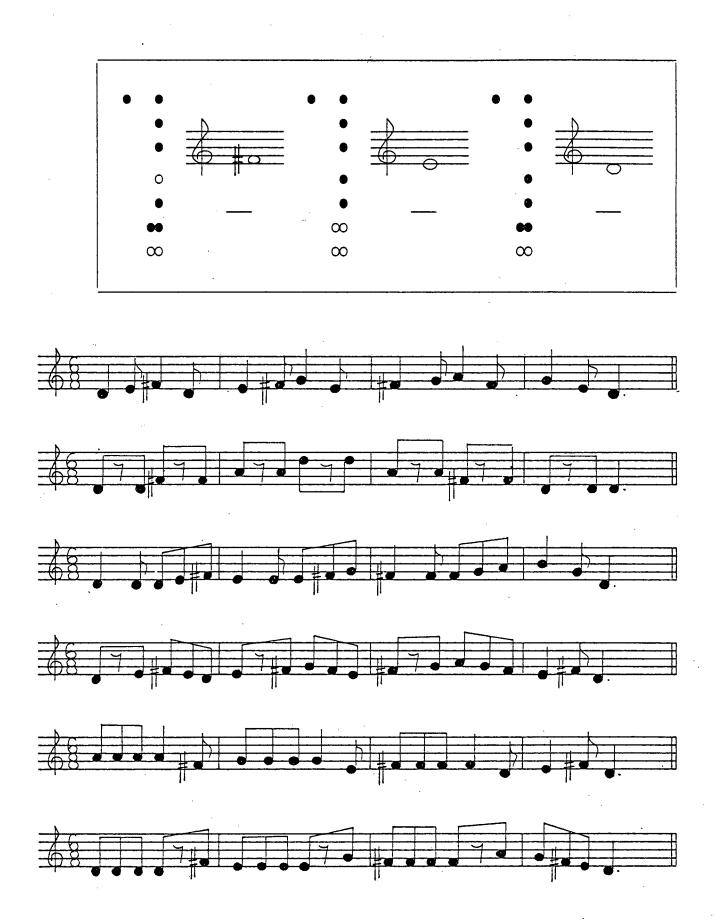


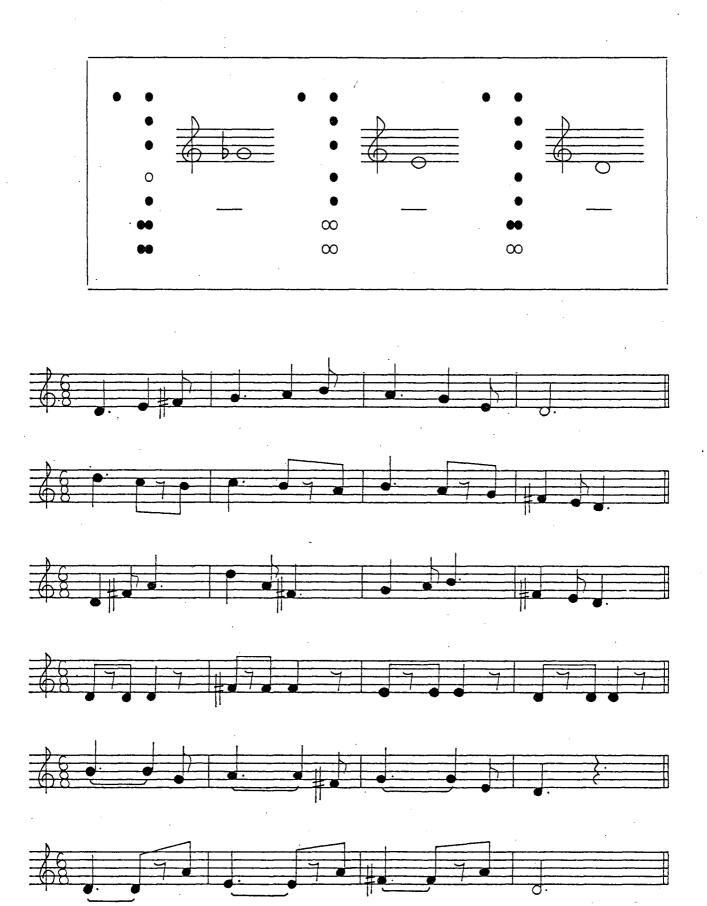


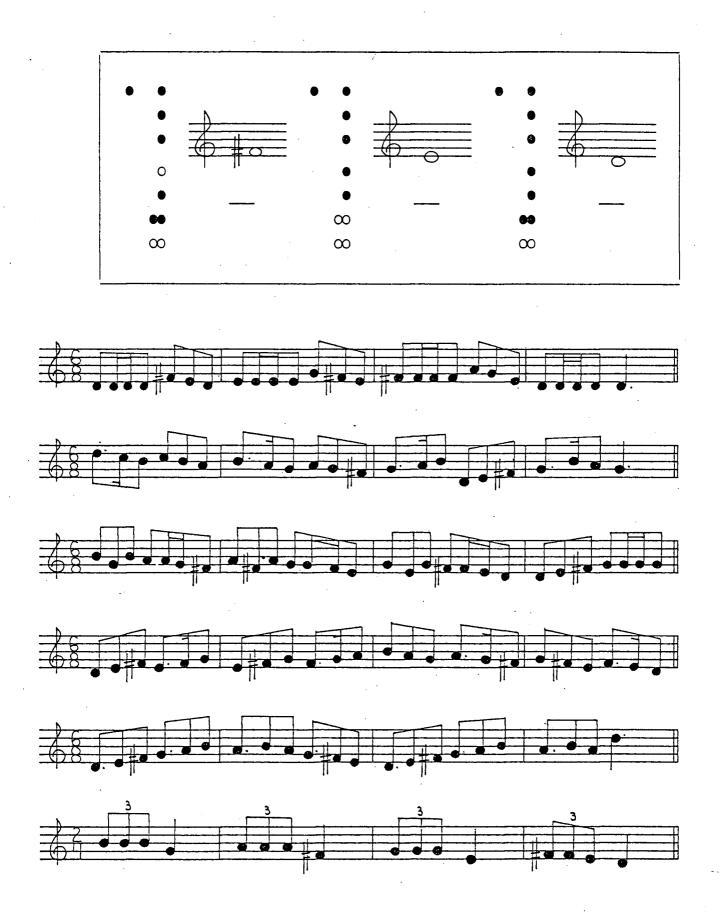








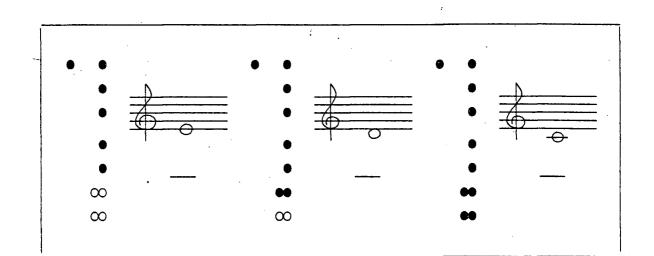


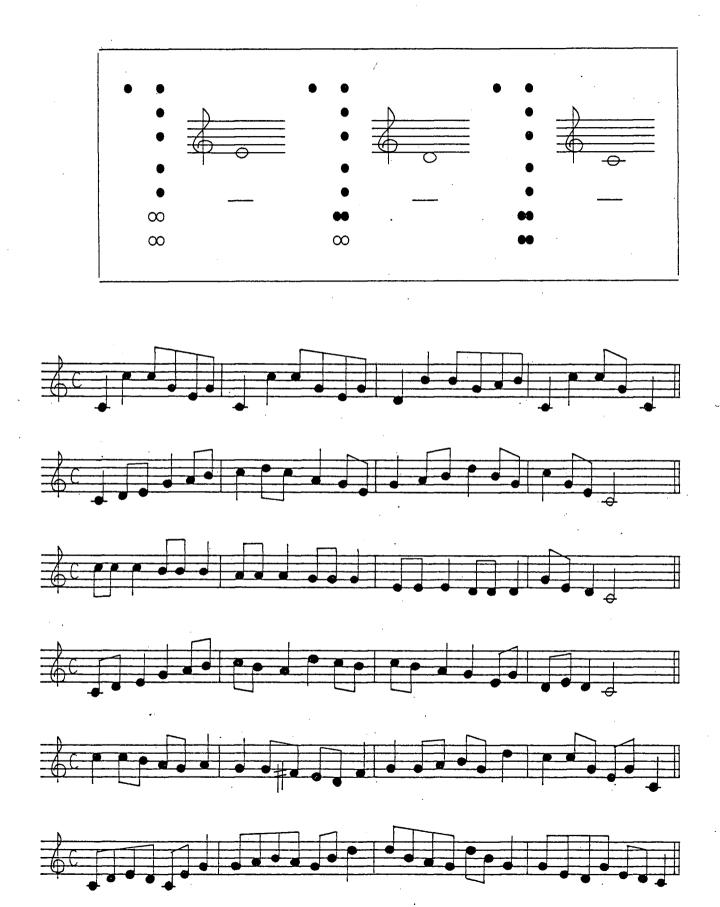


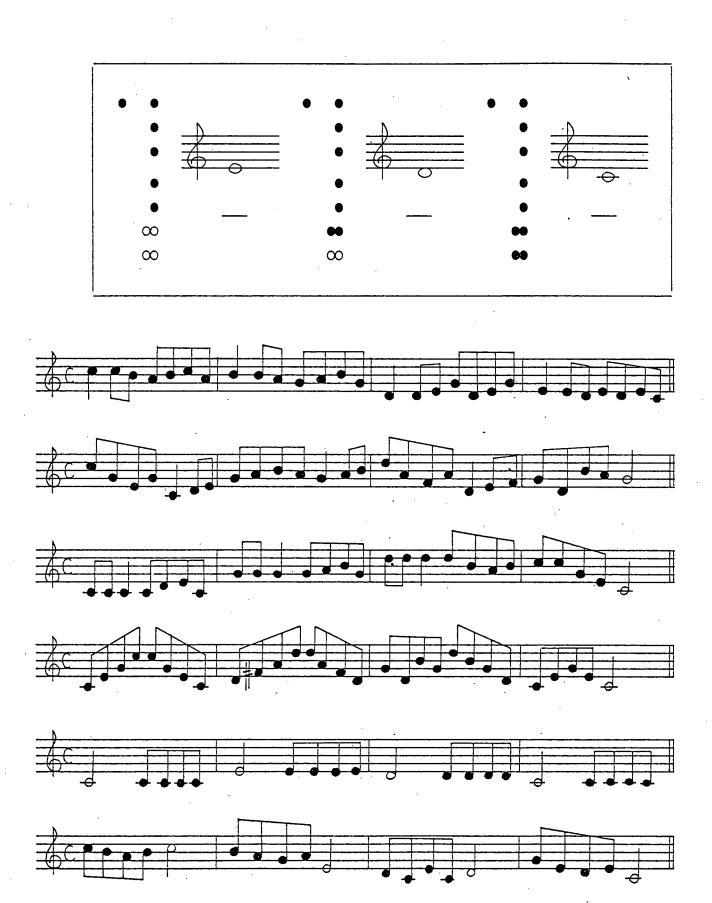
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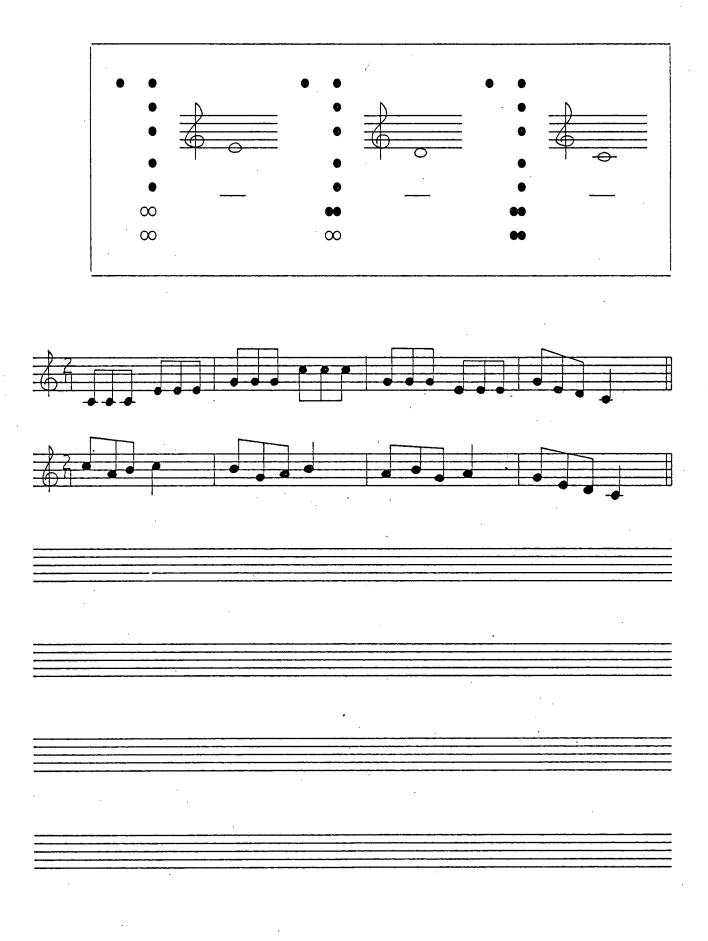


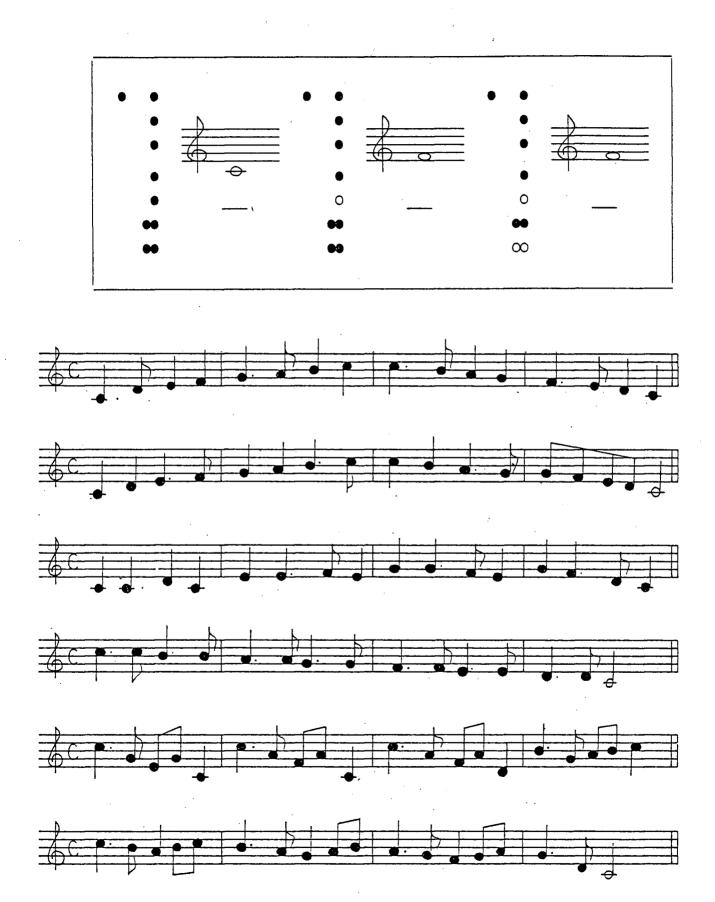


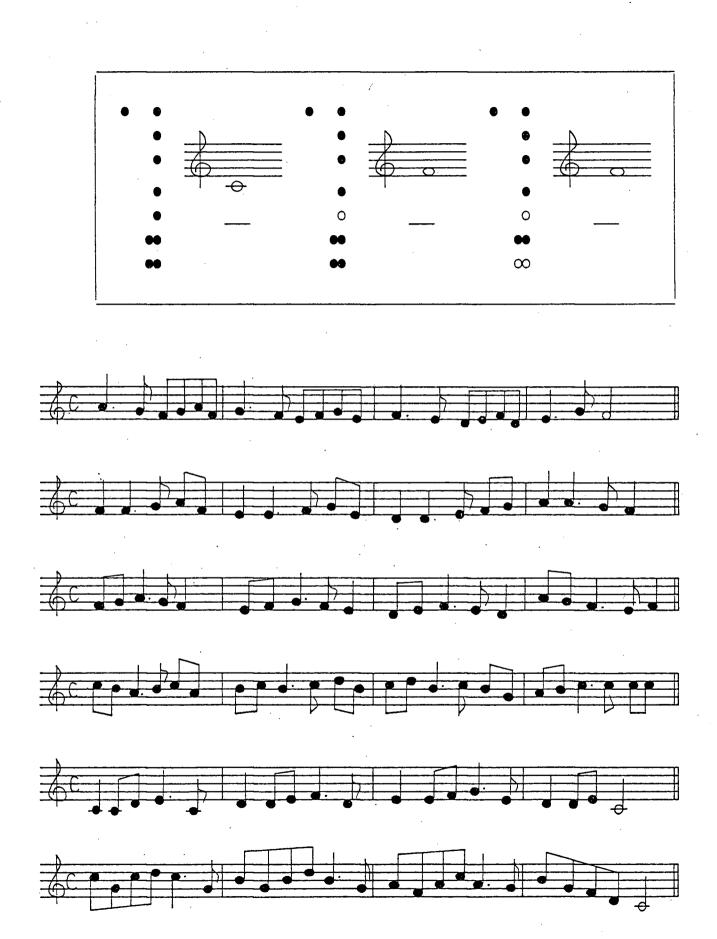








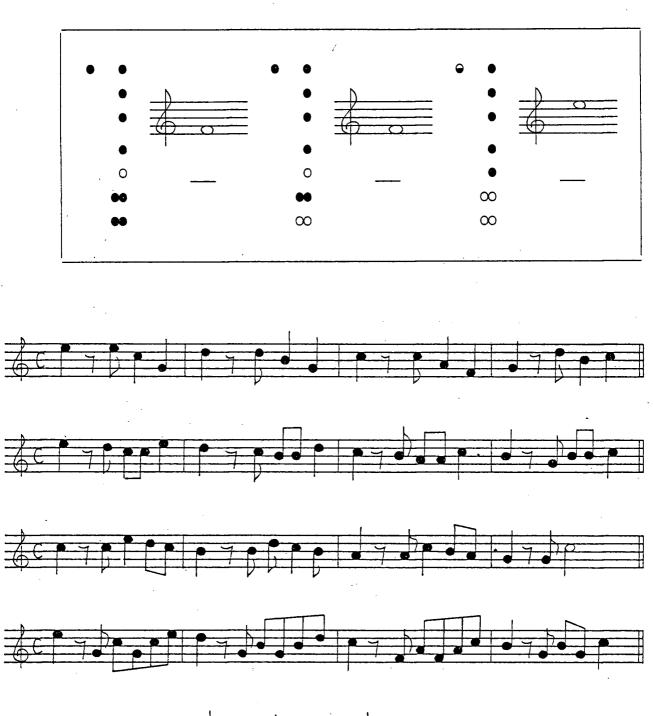


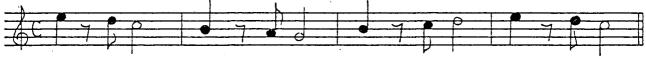


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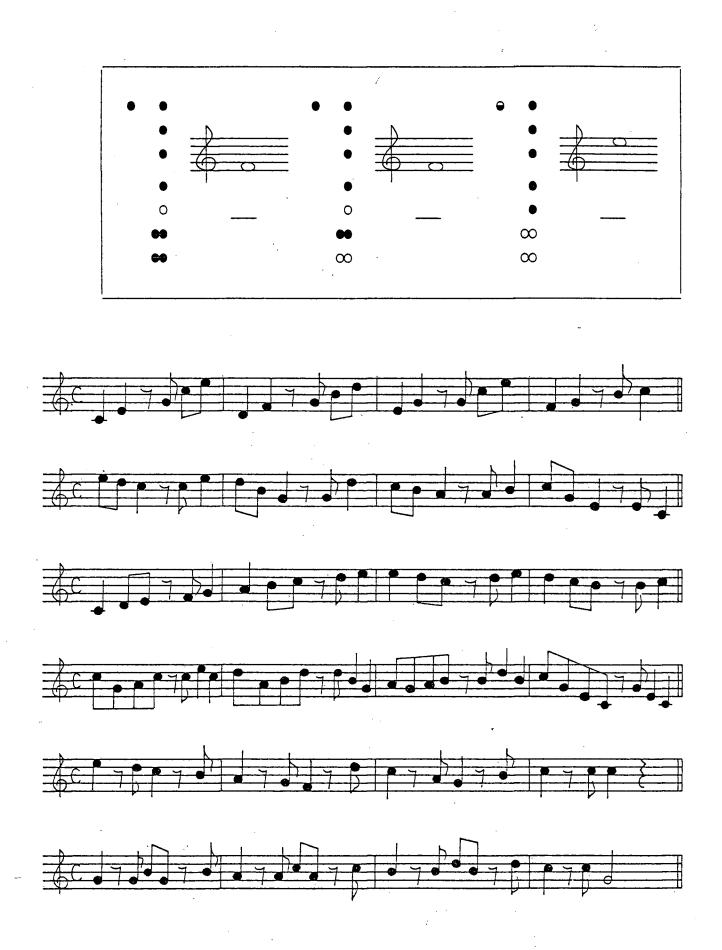
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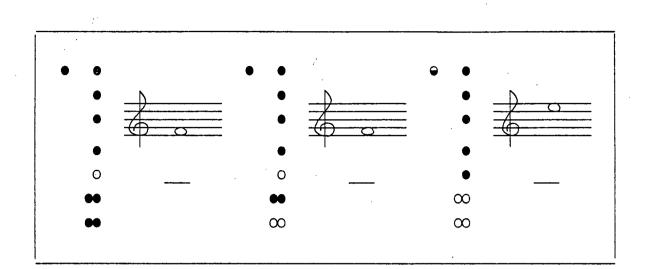
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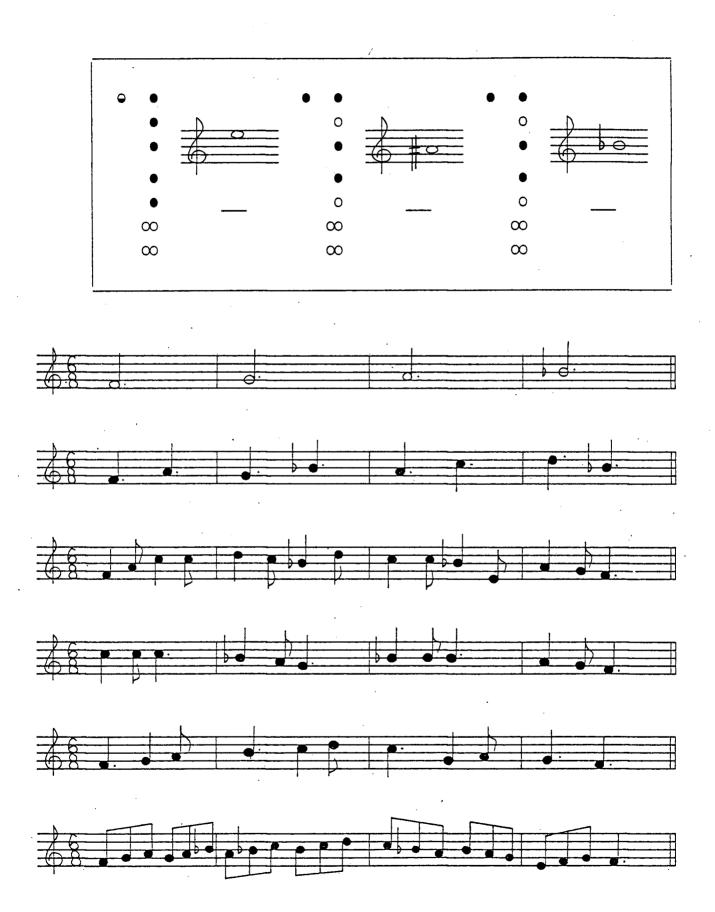










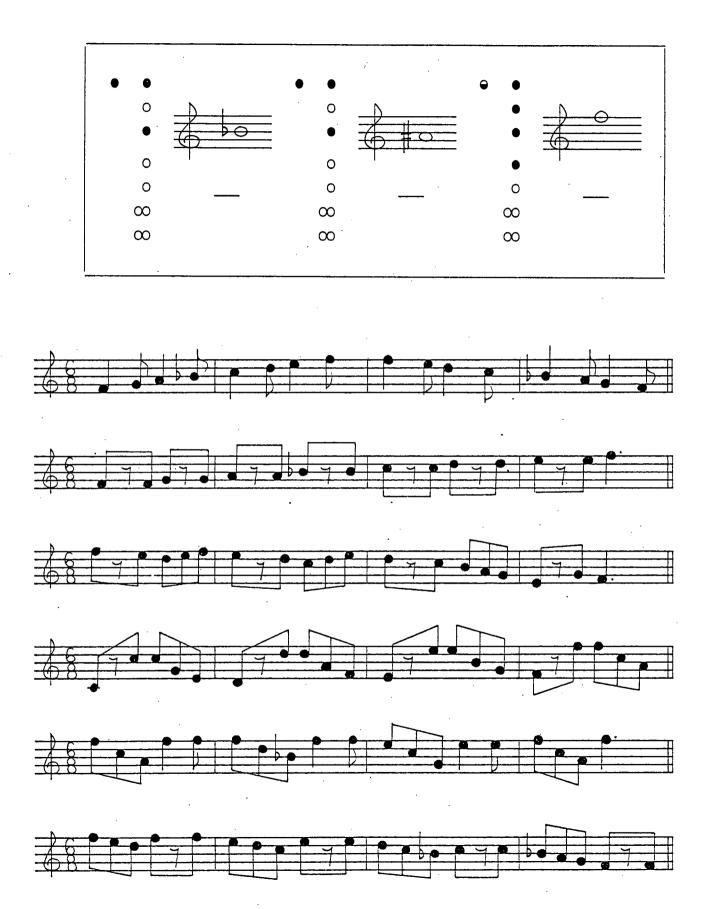


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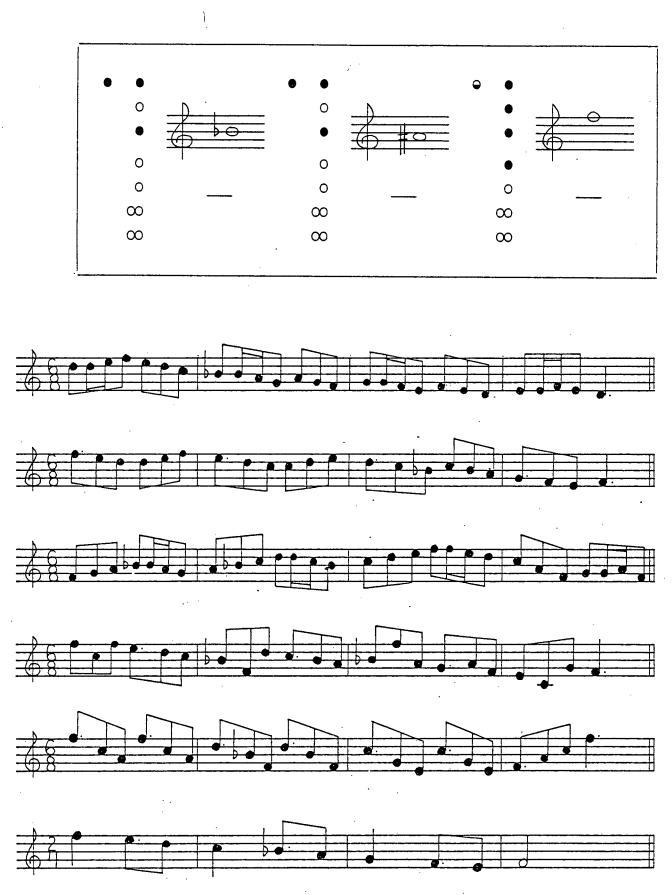


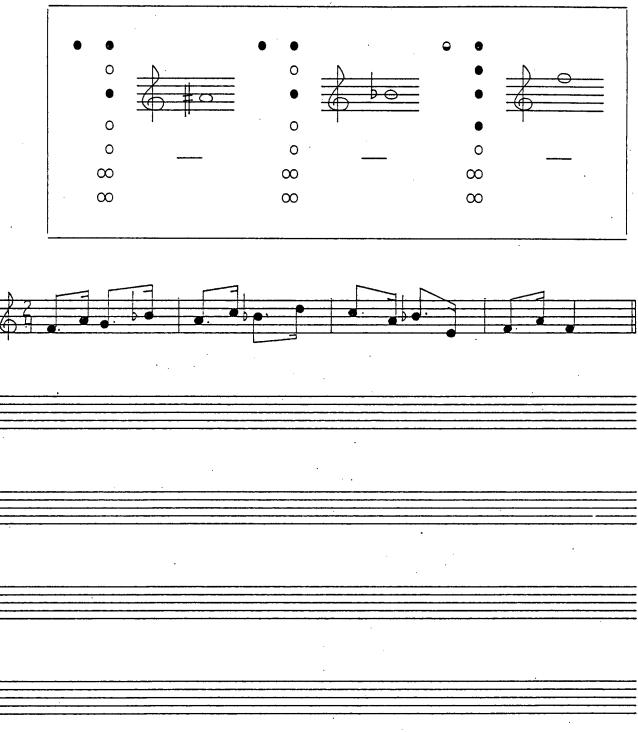






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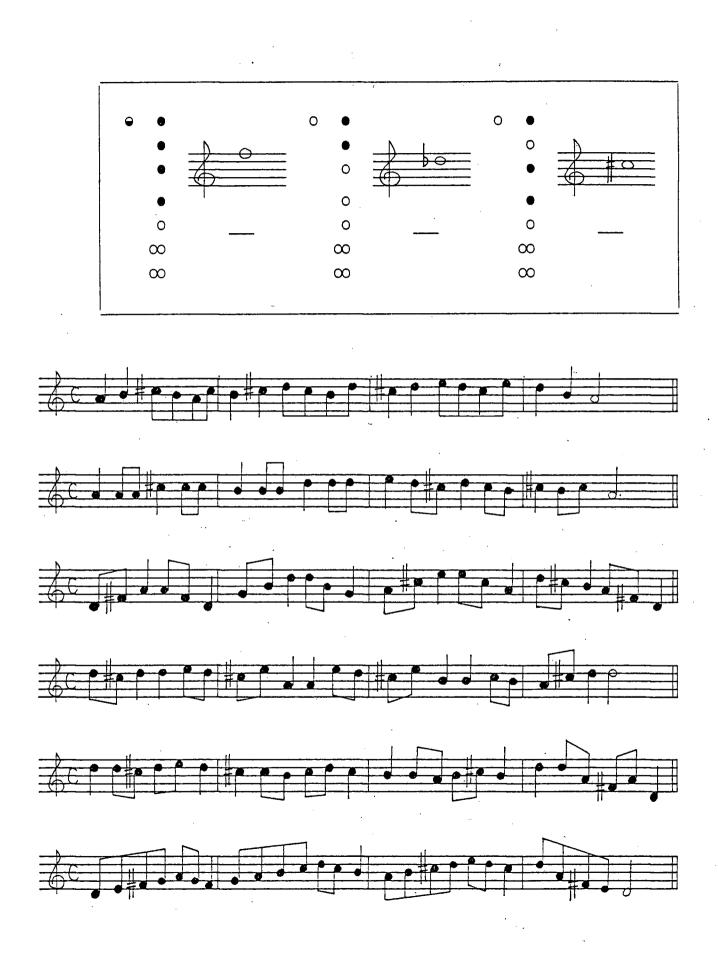
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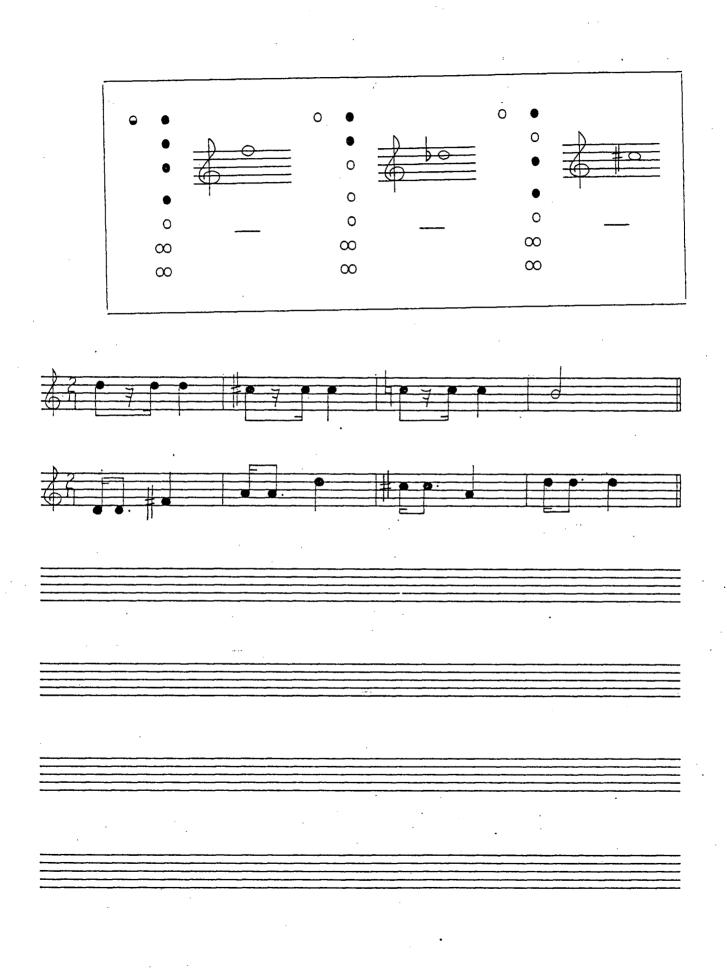


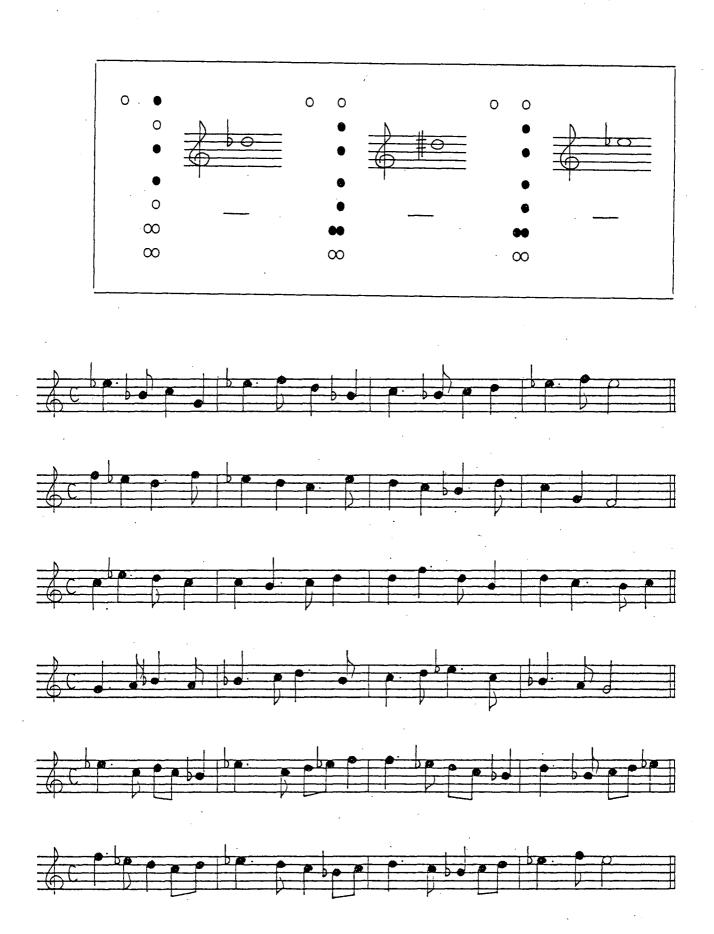


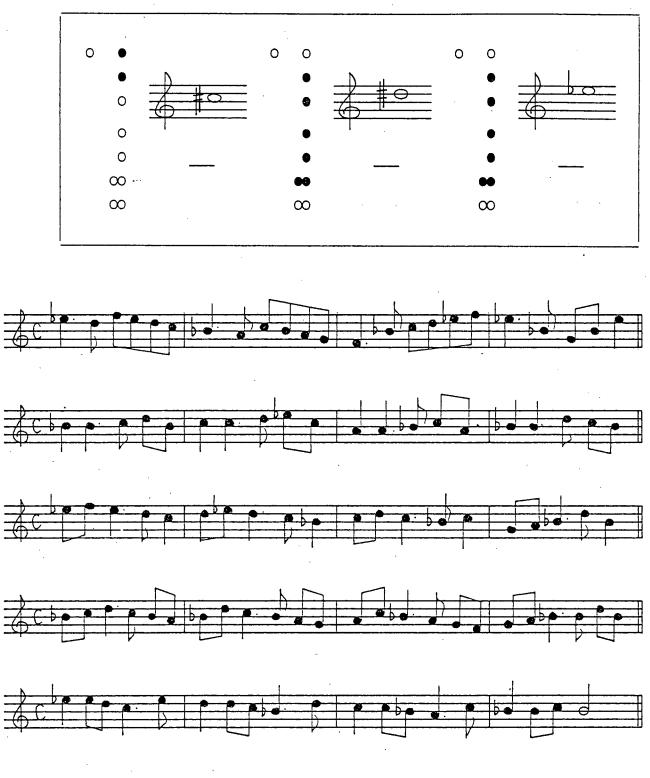




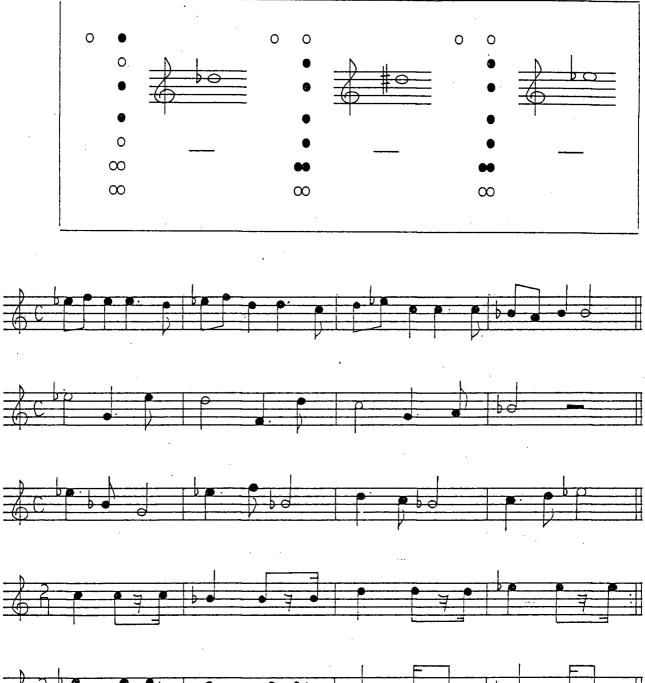


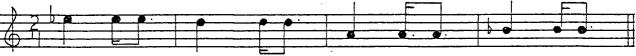


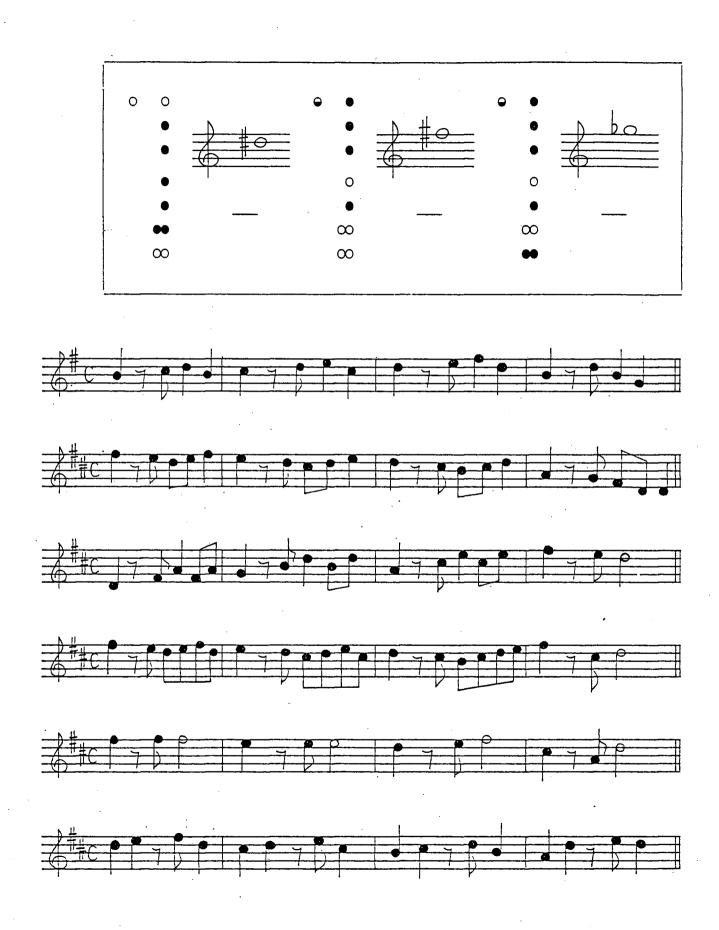


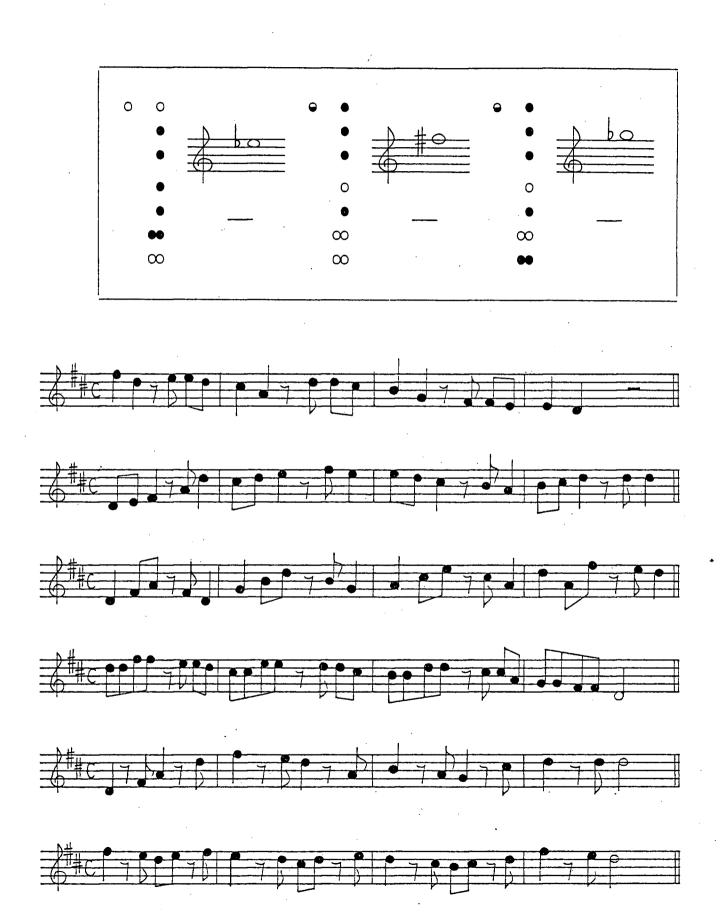


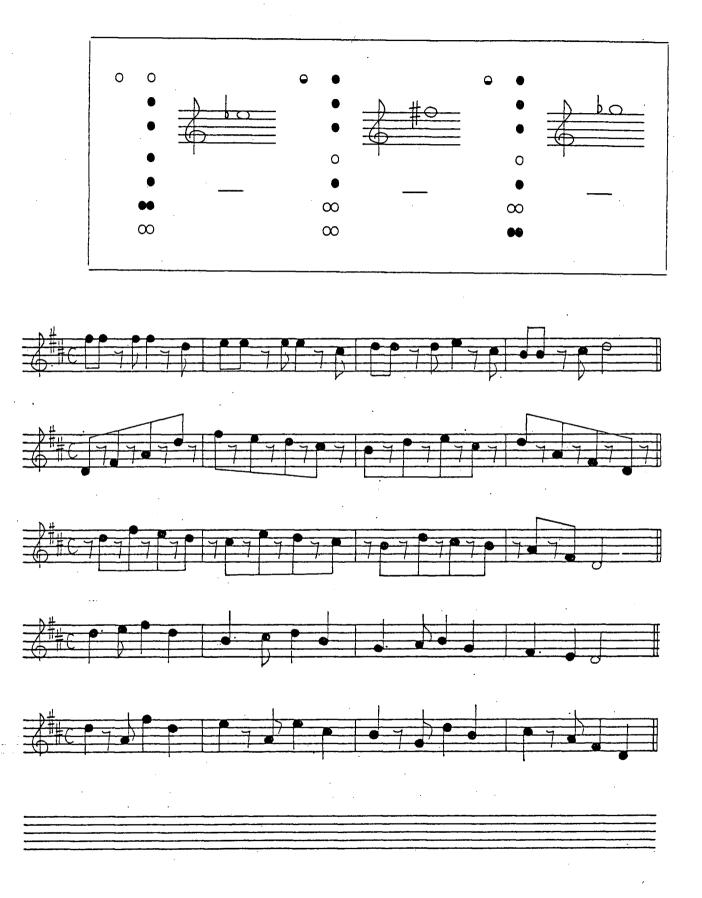


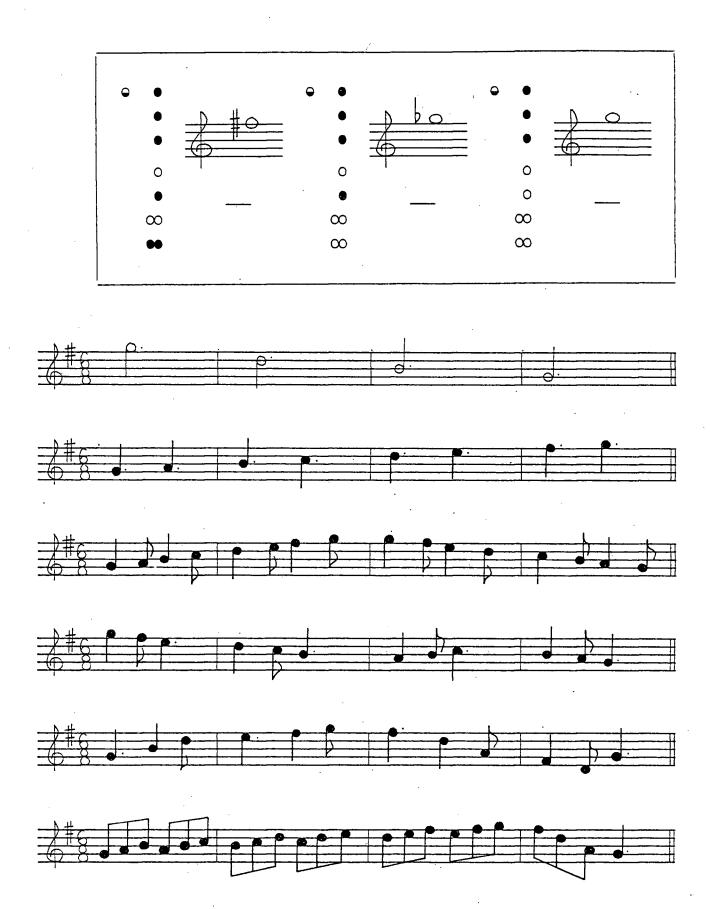




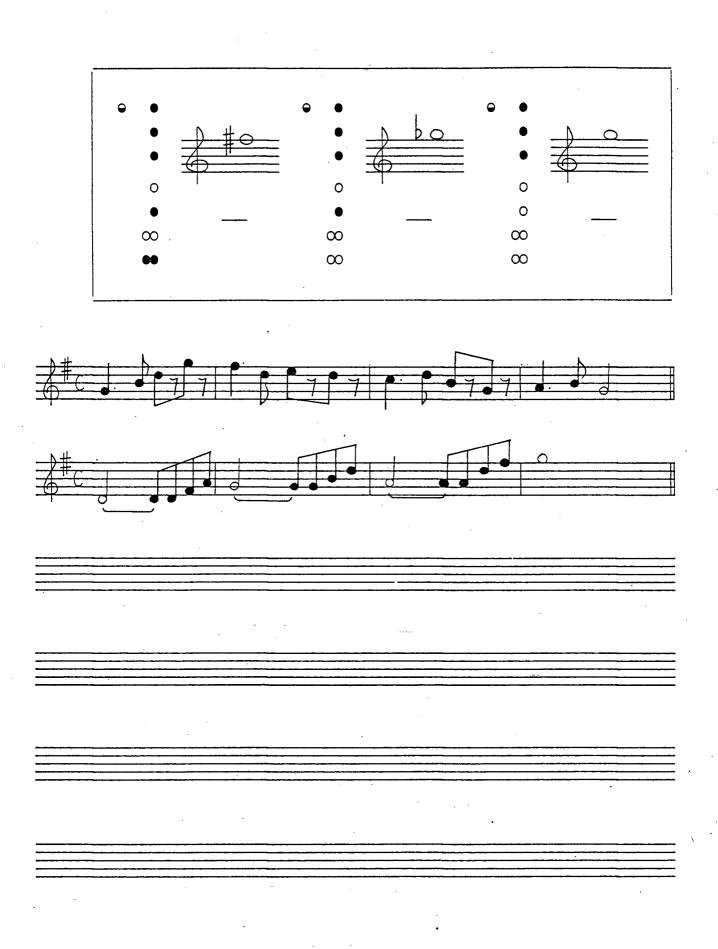


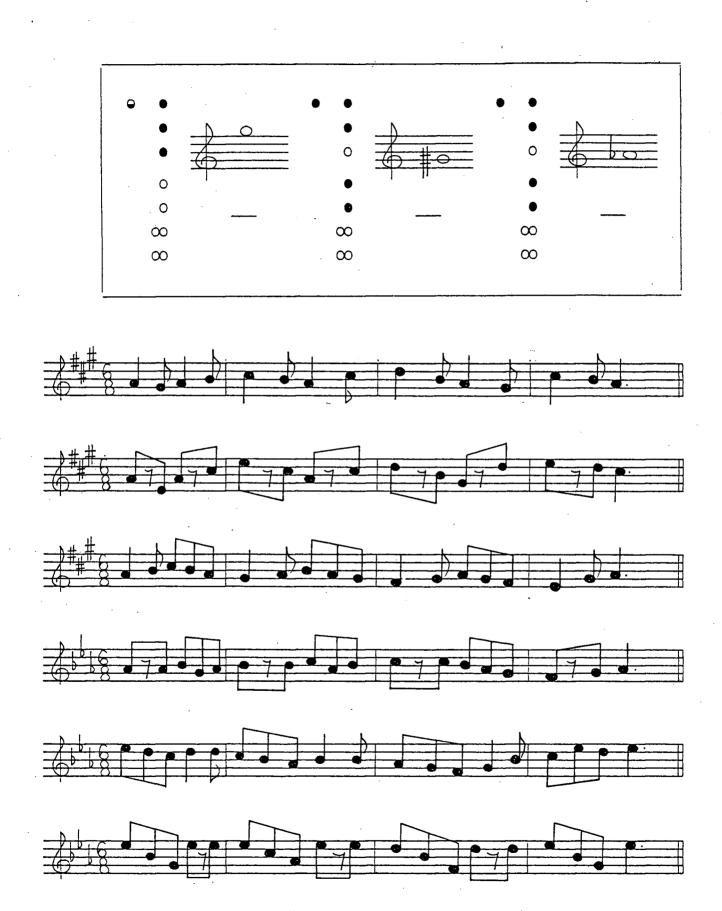


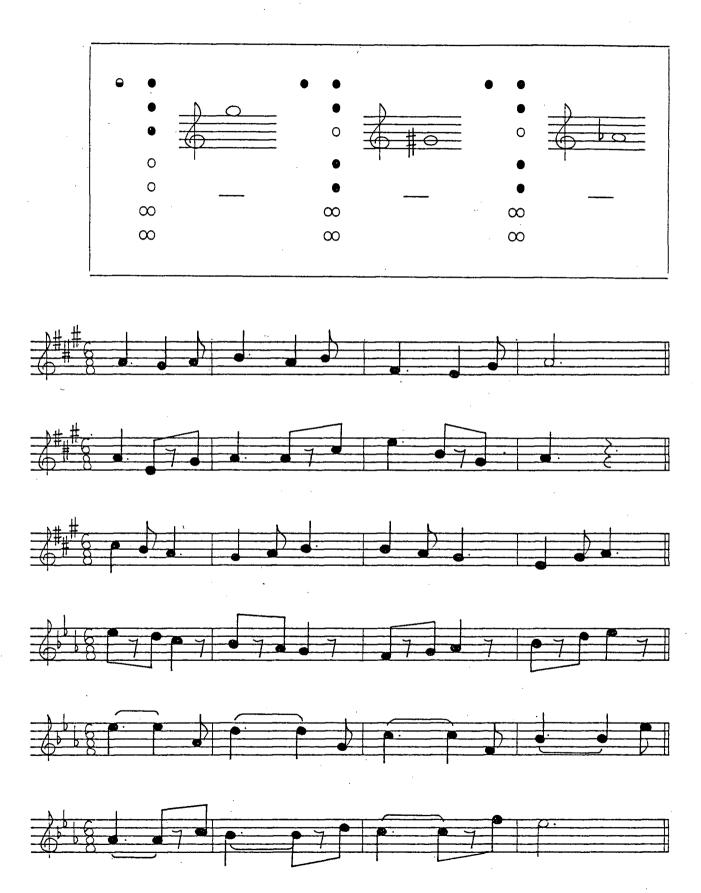




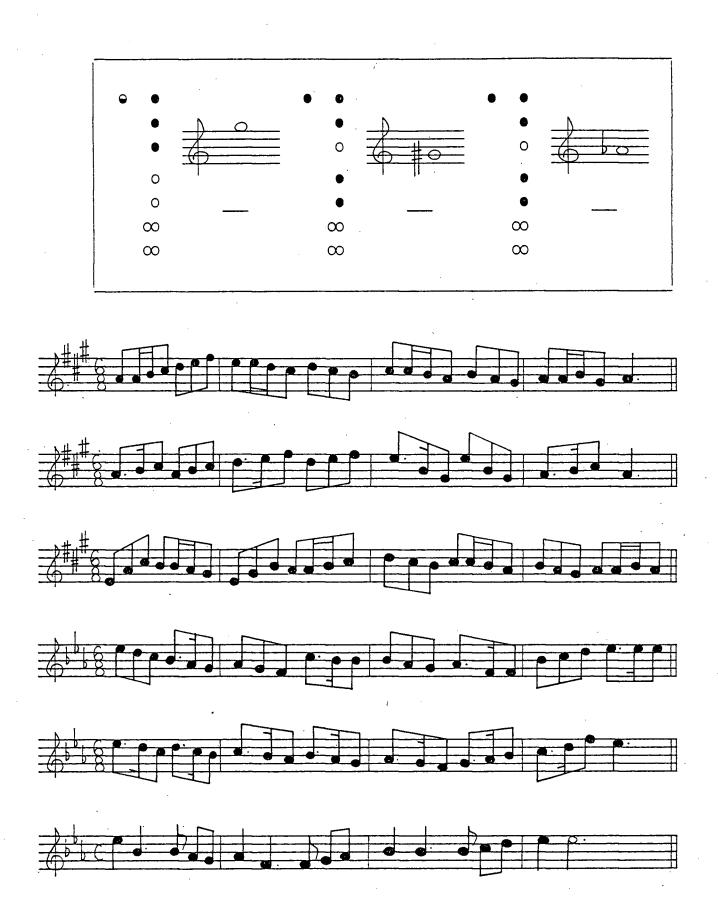


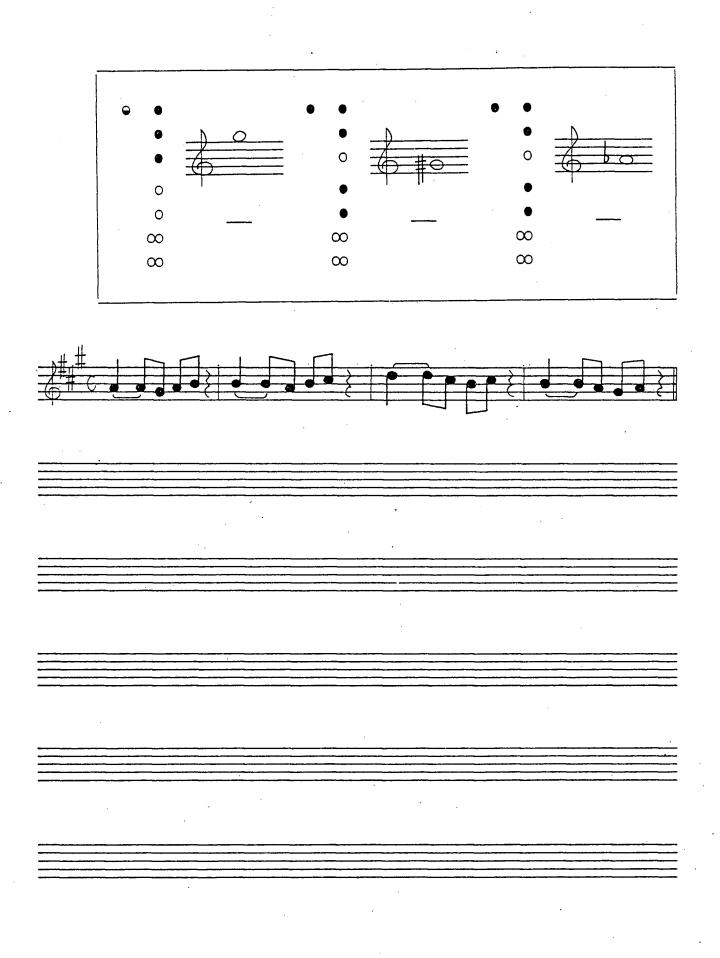


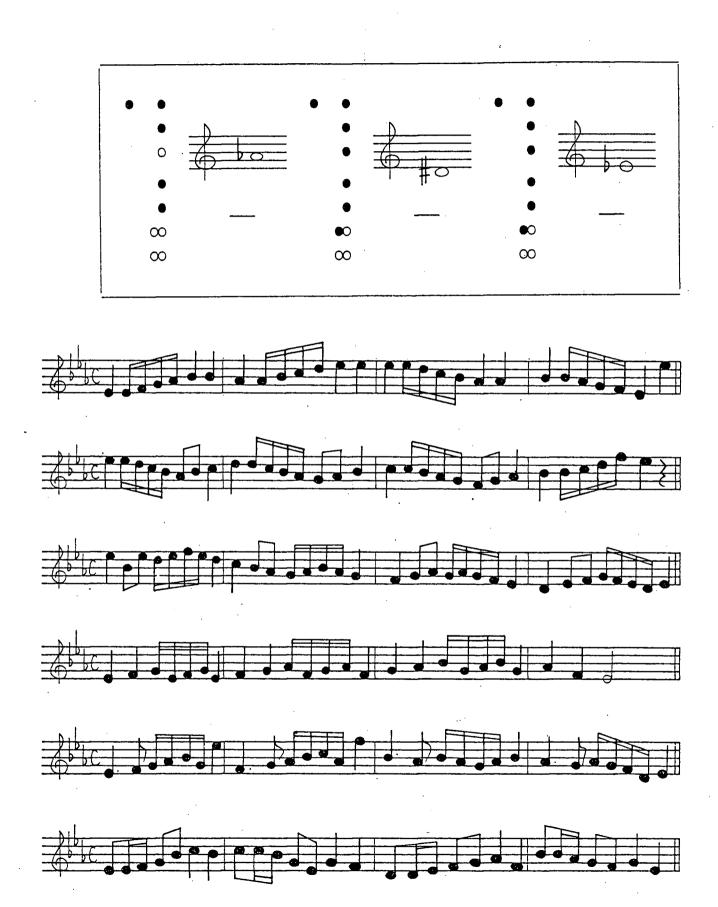


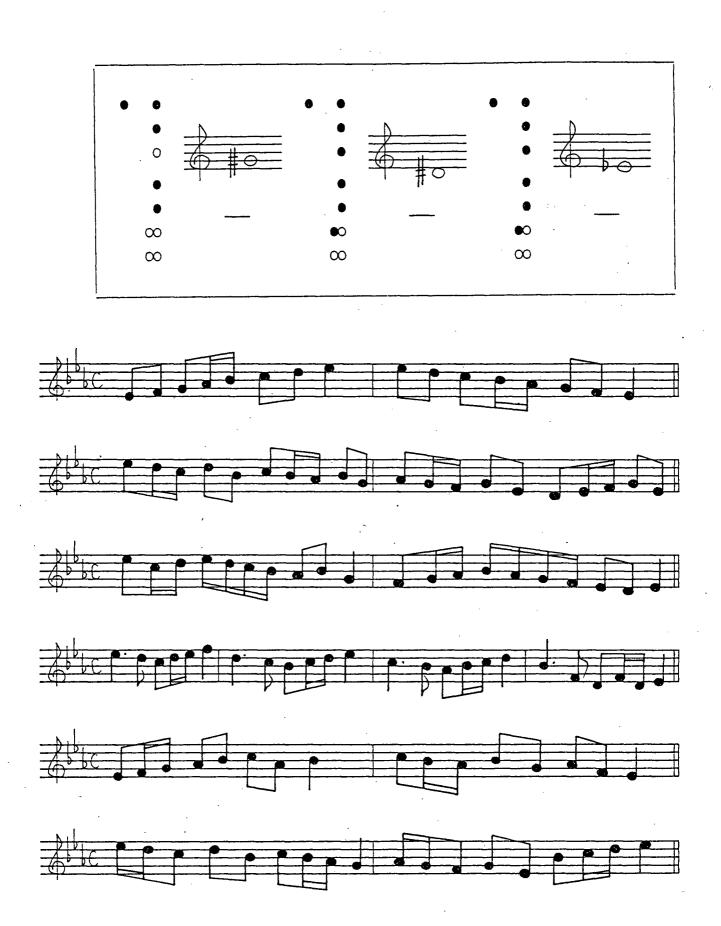


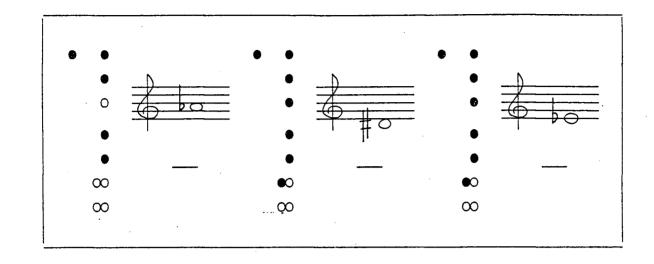
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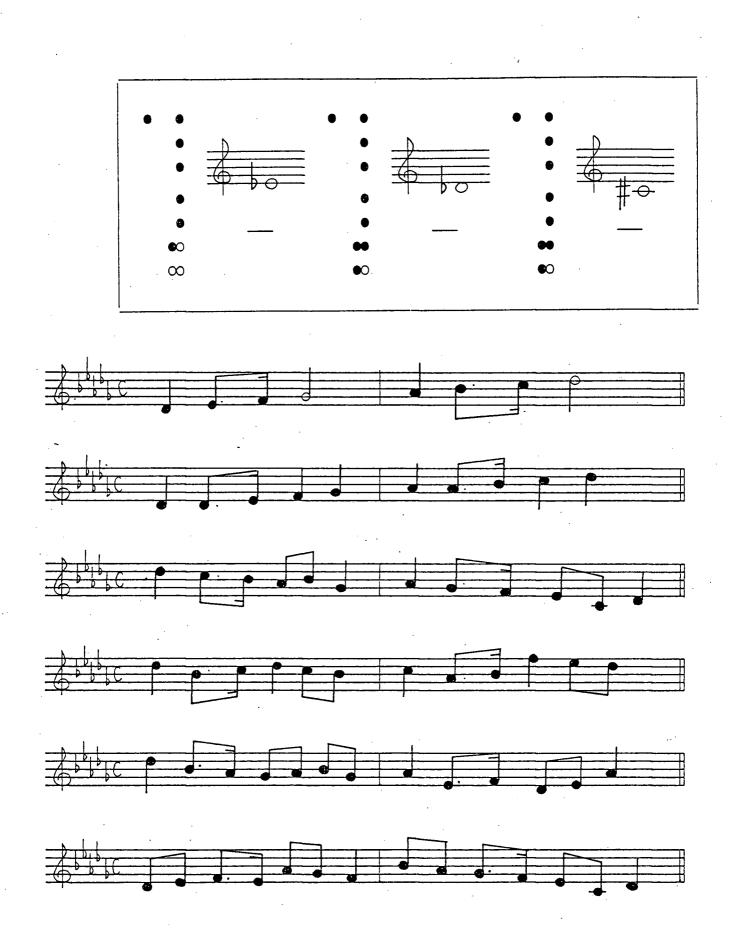


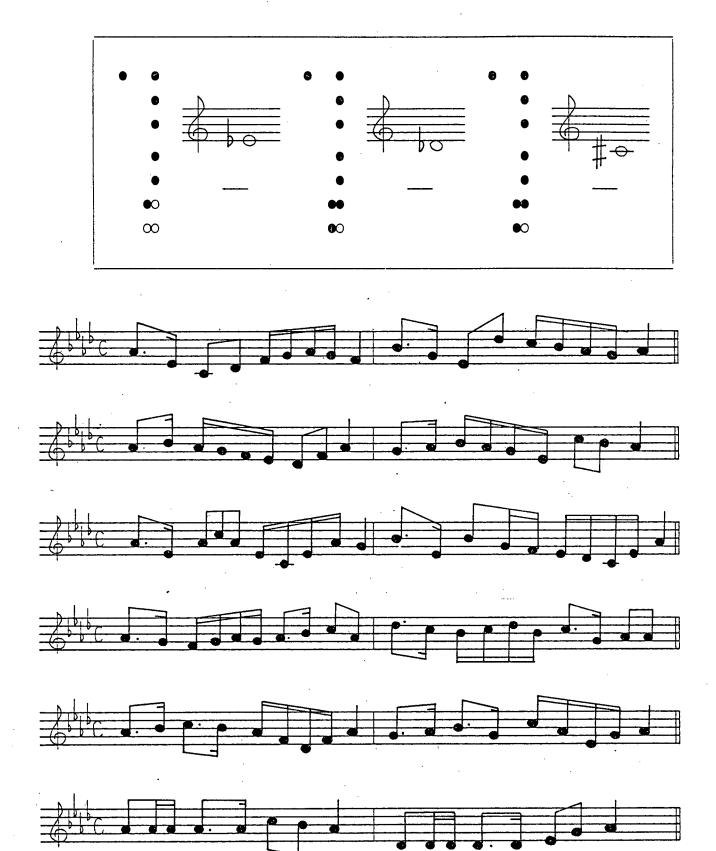












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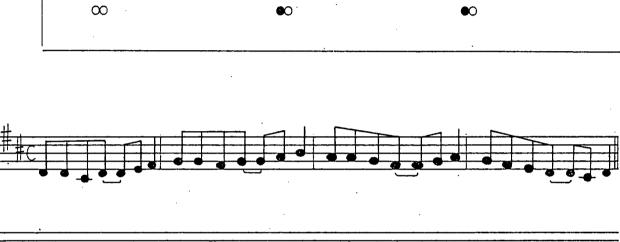








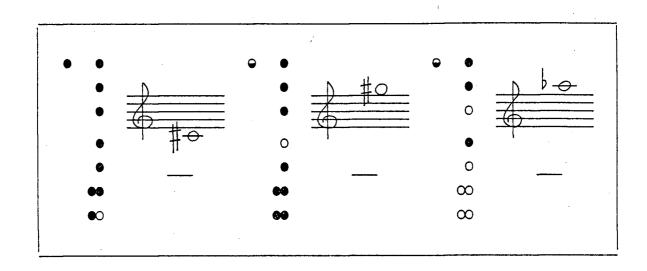
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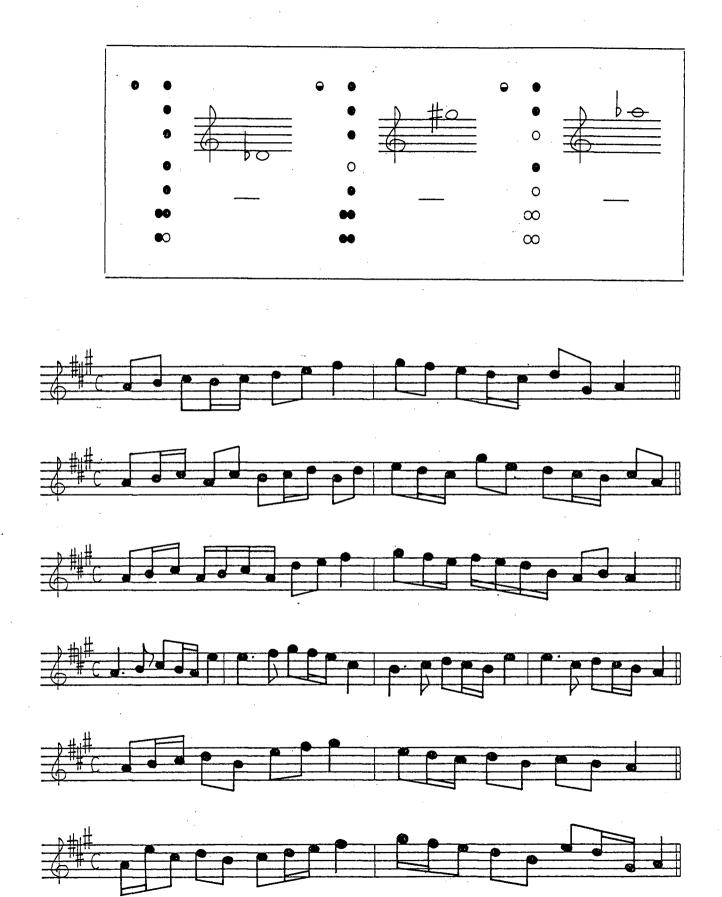


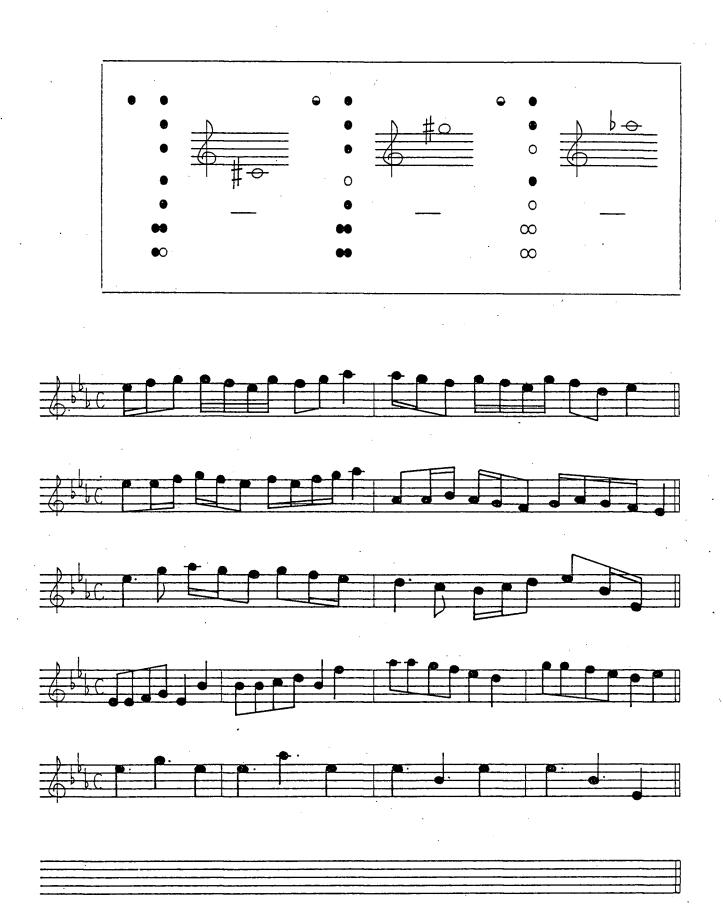


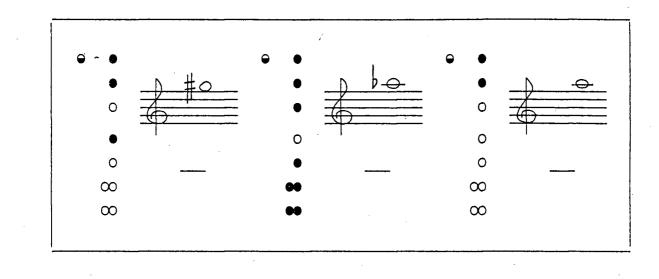












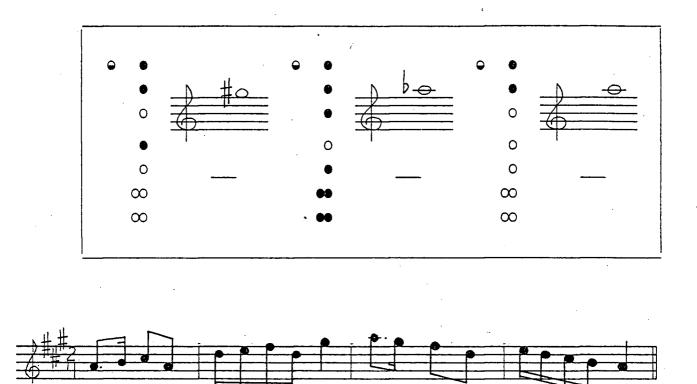












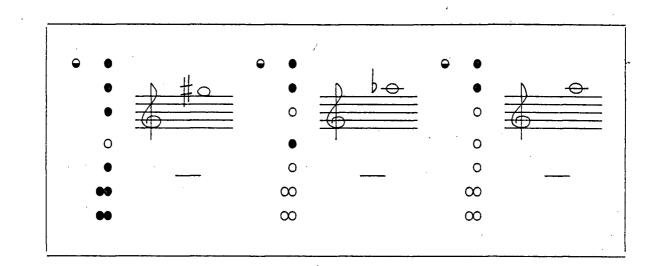














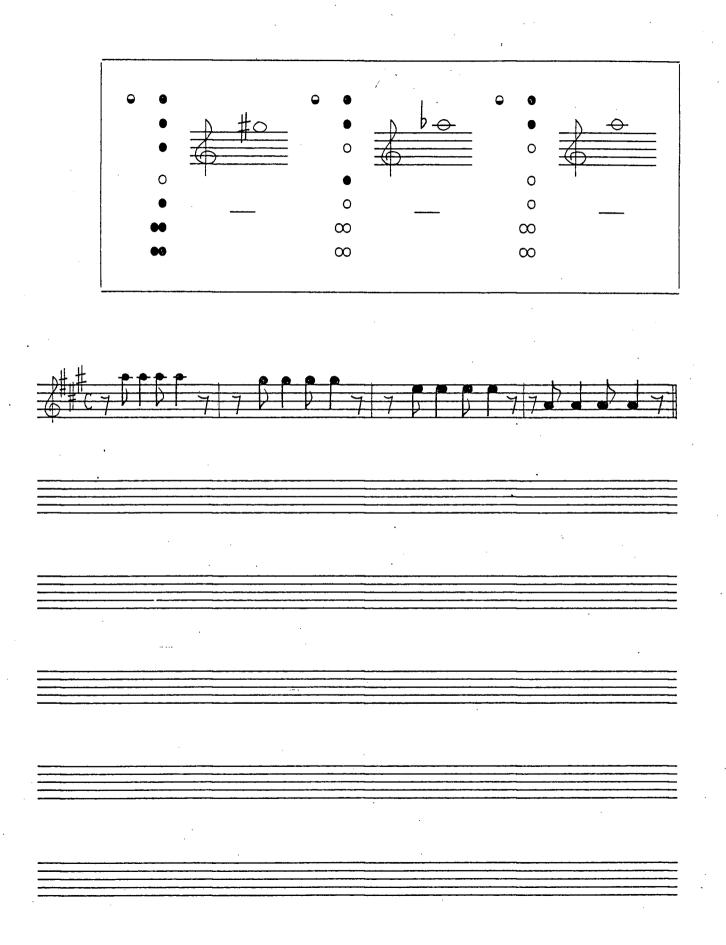










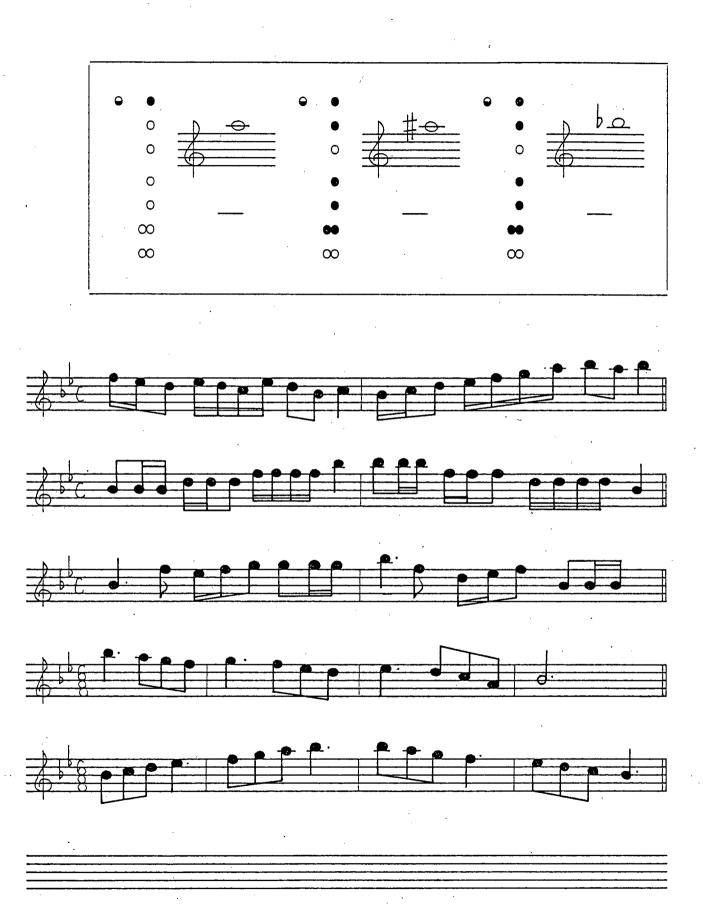


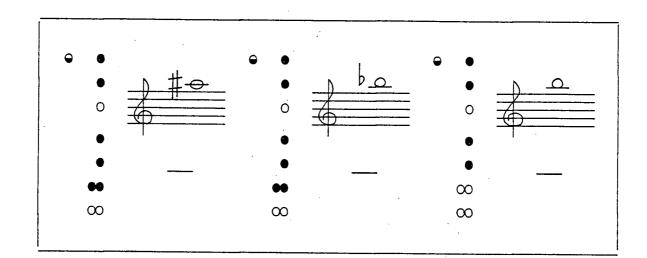


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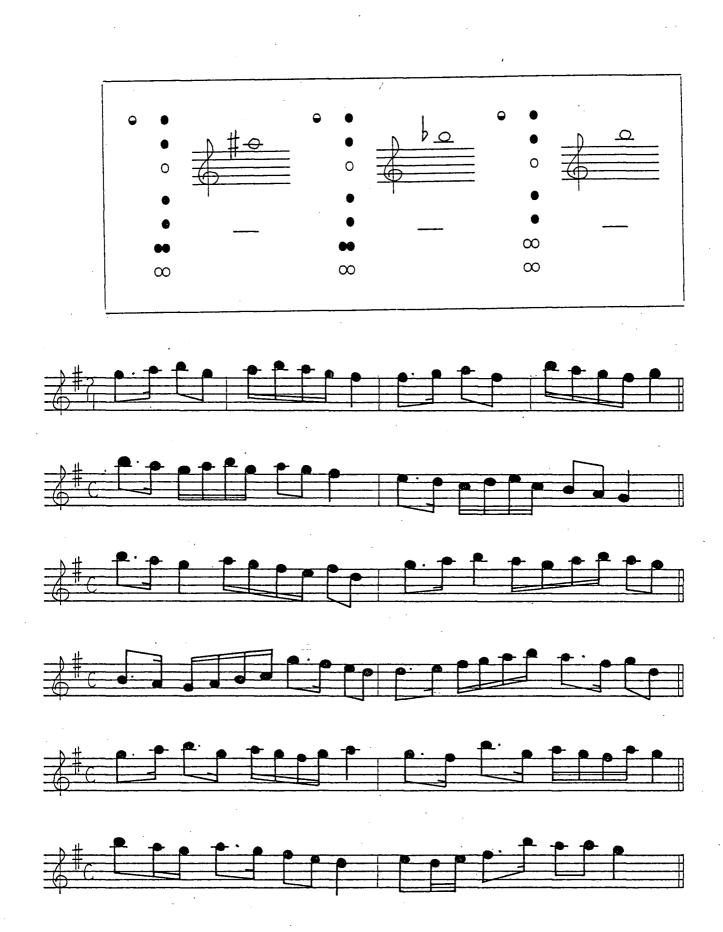




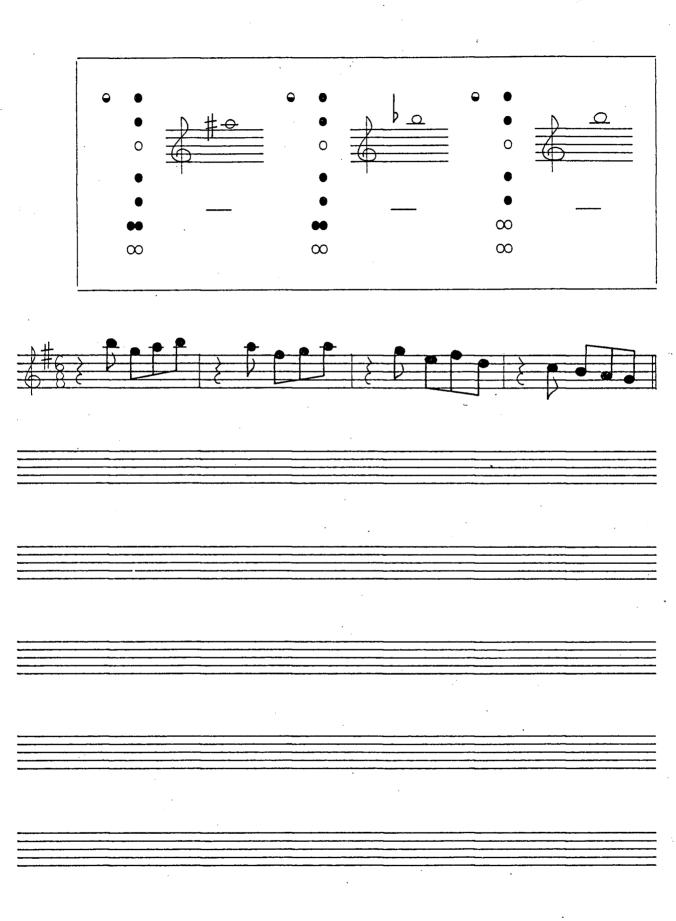












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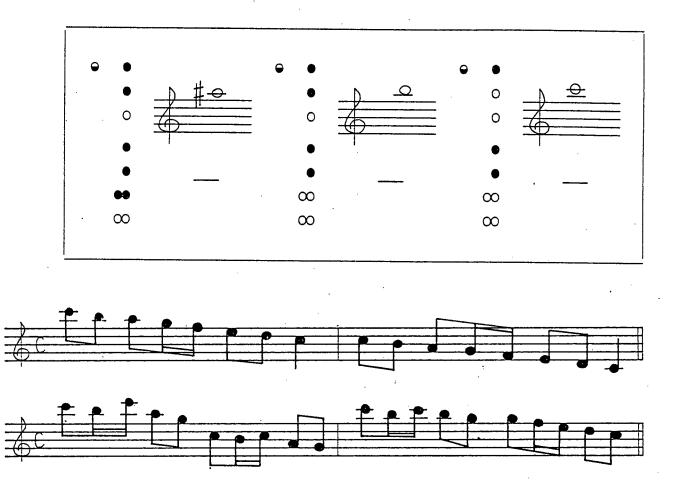




















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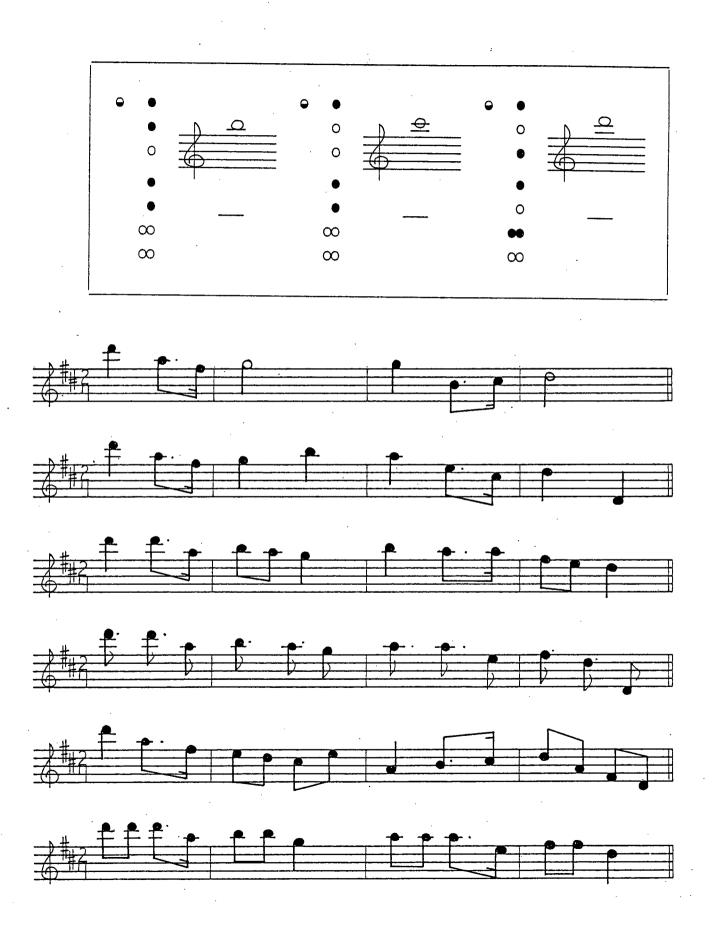






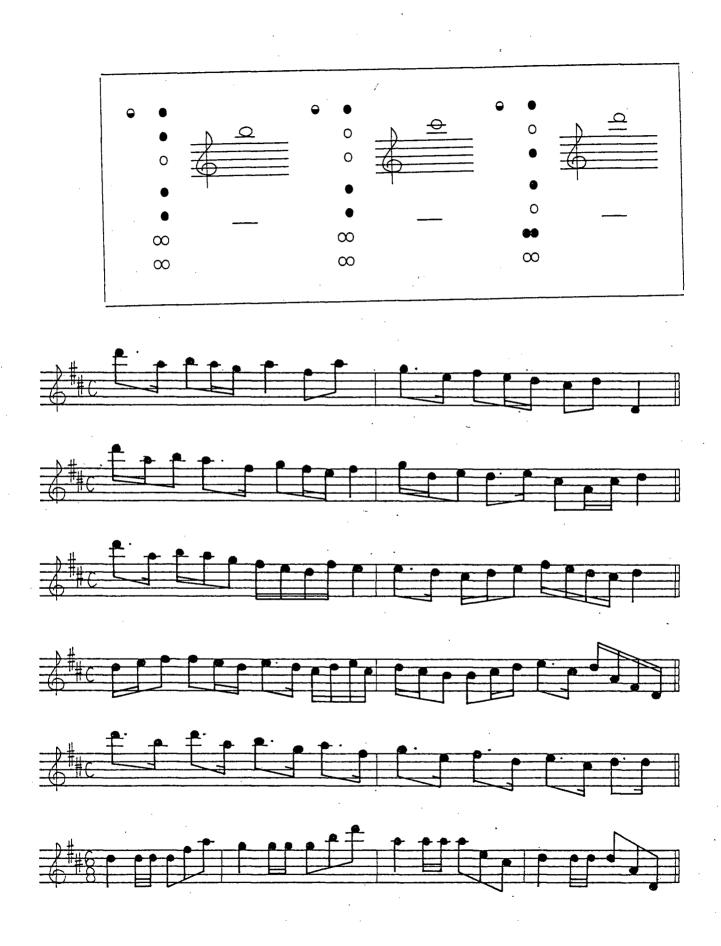






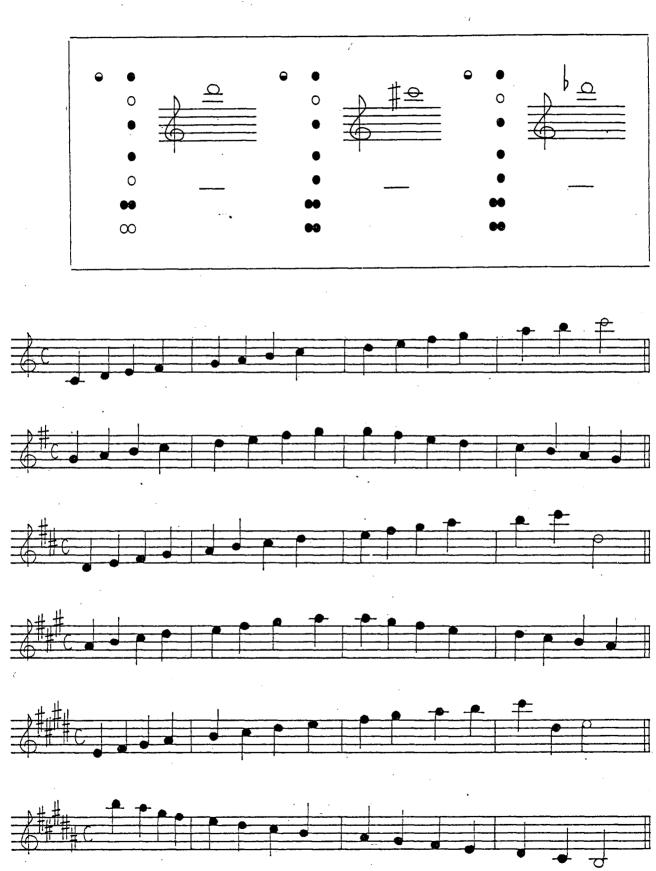






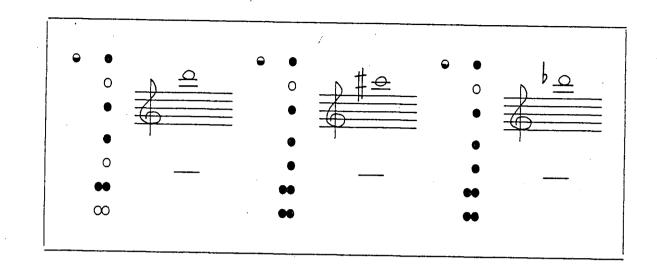
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Chapter 4

TECHNIQUE

A Sequential Approach to Technical Drills

The purpose of this chapter is to delineate sequentially the major, minor, and chromatic scales; the arpeggios and other technical drills; the rhythmic exercises; and the ear training and hand sign recognition lessons designed to establish a firm base for reading pitch and rhythm, fluently.

Example 69

Year One, Term One September to Mid-October

Skill

Reference

Concert Bb Major Scale

Concert Eb Major Scale

Chromatic Scale Concert Bb

I Recommend 7:1

Advanced Technique for Bands 2:1 Exercises for Ensemble Drill 8-9:1 I Recommend 7:5 Advanced Technique for Bands 6:14

Exercises for Ensemble Drill 8-9:12

I Recommend 15:1

Advanced Technique 2:4(c)

Exercises for Ensemble Drill 12:1

Hand sign recognition Ear Training Concert Bb

Ear Training Concert Eb

Advanced Technique for Bands 6:17(c) Exercises for Ensemble Drill 12:6 Appendix 1 Unison, major second ascending, major third ascending Unison, major second ascending, major third ascending

Rhythmic Exercises

Advanced Technique for Bands 3:6(a-r) Advanced Technique for Bands 7:19(a-o)

Term Two: Mid-October to Christmas Break

Concert Ab Major Scale

Concert F Major Scale

Chromatic Scale Concert Ab

Chromatic Scale Concert F

Hand sign recognition Ear Training Concert Ab I Recommend 8:13

Advanced Technique for Bands 10:27

Exercises for Ensemble Drill 8-9:11

I Recommend 8:9

Advanced Technique for Bands 14:40 Exercises for Ensemble Drill 8-9:2

I Recommend 15:4

Advanced Technique for Bands 10:30(c)

Exercises for Ensemble Drill 12:11

I Recommend 15:3

Advanced Technique for Bands 14:43(c) Exercises for Ensemble Drill 12:8 Appendix 1

Perfect fourth ascending, perfect

I Recommend 15:2

Ear Training Concert F

Rhythmic Exercises

Perfect fourth ascending, perfect fifth ascending Advanced Technique for Bands 11:32(a-o) Advanced Technique for Bands 15:45(a-o)

Advanced Technique for Bands 18:53

fifth ascending

I Recommend 9:17

Term Three: January to Mid-February

Concert C Major Scale

Concert Db Major Scale

Chromatic Scale Concert C

Chromatic Scale Concert Db

Hand sign recognition Ear Training Concert C

Ear Training Concert Db

Rhythmic Exercises

Exercises for Ensemble Drill 8-9:3 I Recommend 9:21 Advanced Technique for Bands 22:66 Exercises for Ensemble Drill 8-9:10 I Recommend 15:5 Advanced Technique for Bands 18:56(c) Exercises for Ensemble Drill 12:3 I Recommend 15:6 Advanced Technique for Bands 22:69(c) Exercises for Ensemble Drill 12:4 Appendix 1 Major sixth ascending, major seventh ascending Major sixth ascending, major seventh ascending Advanced Technique for Bands 19:58(a-q)

Advanced Technique for Bands 23:71(a-1)

Term Four: Mid-February to the End of March

I Recommend 10:29

Concert G Major Scale

Concert D Major Scale

Chromatic Scale Concert G

Chromatic Scale Concert D

Hand sign recognition Ear Training Concert G

Ear Training Concert D

Rhythmic Exercises

Exercises for Ensemble Drill 8-9:4 I Recommend 11:33 Advanced Technique 33:115 Exercises for Ensemble Drill 8-9:5 I Recommend 15:8 Advanced Technique for Bands 26:82(c) Exercises for Ensemble Drill 21:10 I Recommend 15:9 Exercises for Ensemble Drill 12:5 Appendix 1 Perfect octave ascending, major second descending, major third descending Perfect octave ascending, major second descending, major third descending Advanced Technique for Bands 27:84(a-q)

Advanced Technique for Bands 26:79

Exercises for Ensemble Drill 40:1-36

Term Five: April to Mid-May

Concert A Major Scale

I Recommend 11:37

Exercises for Ensemble Drill 8-9:6

Concert E Major Scale

I Recommend 12:41

Chromatic Scale Concert E

Hand sign recognition Ear Training Concert A

Ear Training Concert E Rhythmic Exercises Exercises for Ensemble Drill 12:12
I Recommend 15:11
Exercises for Ensemble Drill 12:7
Appendix 1
Perfect fourth descending, perfect
fifth descending
Perfect fourth descending, perfect
fifth descending
Exercises for Ensemble Drill 40:37-72

Exercises for Ensemble Drill 8-9:7

I Recommend 15:10

Term Six: Mid-May to the End of June

Concert B Major Scale

Chromatic Scale Concert B

Hand sign recognition Ear Training Concert B

Rhythmic Exercises

I Recommend 12:45 Exercises for Ensemble Drill 8-9:8 I Recommend 15:12 Exercises for Ensemble Drill 12:2 Appendix 1 Major sixth descending, major seventh descending, perfect octave descending

Exercises for Ensemble Drill 41:73-114

Exercises for Ensemble Drill 41:115-156 Exercises for Ensemble Drill 42:157-172

Example 70

Year Two, Term One: September to Mid-October

Skill

Reference

Concert G Harmonic Minor Scale Concert G Melodic Minor Scale

I Recommend 13:1

I Recommend 13:2

I Recommend 13:3

I Recommend 13:4

Advanced Technique for Bands 3:7 Exercises for Ensemble Drill 8-9:1

Advanced Technique for Bands 7:20

Exercises for Ensemble Drill 8-9:12

Concert C Harmonic Minor Scale Concert C Melodic Minor Scale

Concert D Harmonic Minor Scale Concert D Melodic Minor Scale

Concert F Harmonic Minor Scale Concert F Melodic Minor Scale

I Recommend 13:5

I Recommend 13:6

Advanced Technique for Bands 15:46 Exercises for Ensemble Drill 8-9:2

I Recommend 13:7

I Recommend 13:8

Advanced Technique for Bands 11:33 Exercises for Ensemble Drill 8-9:11

Term Two: Mid-October to Christmas Break

Concert A Harmonic Minor Scale Concert A Melodic Minor Scale

I Recommend 13:9

I Recommend 13:10

Advanced Technique for Bands 19:59

Exercises for Ensemble Drill 8-9:3

Concert	Bb	Harmonic Minor Scale	I Recommend	13:11		
Concert	Bb	Melodic Minor Scale	I Recommend	13:12		
			Advanced Tec	chnique for	Bands	23 : 72
			Exercises fo	or Ensemble	Drill	8-9 : 10
Concert	Eb	Harmonic Minor Scale	I Recommend	14:13		
Concert	Eb	Melodic Minor Scale	I Recommend	14:14		
			Exercises fo	or Ensemble	Drill	8-9:9

Concert E Harmonic Minor Scale I Recommend 14:15 Concert E Melodic Minor Scale I Recommend 14:16

I Recommend 14:16 Advanced Technique for Bands 27:85 Exercises for Ensemble Drill 8-9:4

Term Three: January to Mid-February

Concert	B Harmonic Minor Scale	I Recommend 14:17
Concert	B Melodic Minor Scale	I Recommend 14:18
		Exercises for Ensemble Drill 8-9:5
Concert	F# Harmonic Minor Scale	I Recommend 14:19
Concert	F# Melodic Minor Scale	I Recommend 14:20
·		Exercises for Ensemble Drill 8-9:6
Concert	C# Harmonic Minor Scale	I Recommend 14:21
Concert	C# Melodic Minor Scale	I Recommend 14:22
		Exercises for Ensemble Drill 8-9:7
Concert	G# Harmonic Minor Scale	I Recommend 14:23
Concert	G# Melodic Minor Scale	I Recommend 14:24
		Exercises for Ensemble Drill 8-9:8

Term Four: Mid-February to the End of March

Interval Studies Concert Bb Technical Exercises Concert Bb

Interval Studies Concert Eb Technical Exercises Concert Eb

Interval Studies Concert F Technical Exercises Concert F

Interval Studies Concert Ab Technical Exercises Concert Ab Advanced Technique for Bands 2:5 Advanced Technique for Bands 3:7-9 Advanced Technique for Bands 4:10-11 Advanced Technique for Bands 5:12-13 I Recommend 17:5-8 Advanced Technique for Bands 6:18 Advanced Technique for Bands 7:20-22 Advanced Technique for Bands 8:23-24 Advanced Technique for Bands 9:25-26 I Recommend 17:9-12 Advanced Technique for Bands 14:44 Advanced Technique for Bands 15:46-48 Advanced Technique for Bands 16:49-50 Advanced Technique for Bands 17:51-52 I Recommend 18:13-16 Advanced Technique for Bands 10:31 Advanced Technique for Bands 11:32-35 Advanced Technique for Bands 12:36-37

Advanced Technique for Bands 13:38-39

Term Five: April to Mid-May

Interval Studies Concert C I Recommend 18:17-20 Technical Exercises Concert C Advanced Technique for Bands 18:57

I Recommend 17:1-4

Advanced Technique for Bands 19:59-61 Advanced Technique for Bands 20:62-63 Advanced Technique for Bands 21:64-65 I Recommend 18:21-24 Advanced Technique for Bands 22:70 Advanced Technique for Bands 23:72-74 Advanced Technique for Bands 24:75-76 Advanced Technique for Bands 25:77-78 I Recommend 19:29-32 Advanced Technique for Bands 26:83 Advanced Technique for Bands 27:85-87 Advanced Technique for Bands 28:88-89 Advanced Technique for Bands 28:88-89 Advanced Technique for Bands 29:90-91 I Recommend 19:33-36

Technical Exercises Concert Db

Interval Studies Concert Db

Technical Exercises Concert G

Interval Studies Concert G

Interval Studies Concert D

Term Six: Mid-May to the End of June

Interval Studies Concert A	I Recommend 20:37-40
Interval Studies Concert E	I Recommend 20:41-44
Interval Studies Concert B	I Recommend 20:45-48

Example 71

Year Three, Term One: September to Mid-October

Skill

Reference

I Recommend 16:1

Arpeggio Concert Bb

Arpeggio Concert Eb

Technical Exercises Concert Bb

Technical Exercises Concert Eb

I Recommend 16:2 Exercises for Ensemble Drill 18-23:12 I Recommend 7:3 Advanced Technique for Bands 2:2-3 Exercises for Ensemble Drill 14:1 I Recommend 7:7

Exercises for Ensemble Drill 18-23:1

Advanced Technique for Bands 6:15-16 Exercises for Ensemble Drill 14:2

Term Two: Mid-October to Christmas Break

Arpeggio Concert Ab

I Recommend 16:4

Exercises for Ensemble Drill 18-23:11

Arpeggio Concert F

Technical Exercises Concert Ab

I Recommend 16:3

Exercises for Ensemble Drill 18-23:2

I Recommend 8:15

Advanced Technique for Bands 10:28-29 Exercises for Ensemble Drill 14-15:3

Technical Exercises Concert F I Recommend 8:11

Advanced Technique for Bands 14:41-42

Exercises for Ensemble Drill 14-15:12

Term Three: January to Mid-February

Arpeggio Concert C

I Recommend 16:5

I Recommend 16:6

Exercises for Ensemble Drill 18-23:3

Exercises for Ensemble Drill 18-23:10

Arpeggio Concert Db

Technical Exercises Concert C

Technical Exercises Concert Db

I Recommend 9:19 Advanced Technique for Bands 18:54-55 Exercises for Ensemble Drill 14-15:11 I Recommend 9:23 Advanced Technique for Bands 22:67-68 Exercises for Ensemble Drill 14-15:4 I Recommend 4:1-5

Exercises for Ensemble Drill 24-25

Term Four: Mid-February to the End of March

Arpeggio Concert G

Brass Lip Drills

Arpeggio Concert D

Technical Exercises Concert G

Technical Exercises Concert D

Brass Lip Drills

I Recommend 16:8 Exercises for Ensemble Drill 18-23:4

I Recommend 16:9

Exercises for Ensemble Drill 18-23:5

I Recommend 10:31

Advanced Technique for Bands 26:80-81 Exercises for Ensemble Drill 14-15:10

I Recommend 11:35

Exercises for Ensemble Drill 14-15:9

I Recommend 4:1-5

Fussell 24-25

Term Five: April to Mid-May

Arpeggio Concert A	I Recommend 16:10
	Exercises for Ensemble Drill 18-23:6
Arpeggio Concert E	I Recommend 16:11
	Exercises for Ensemble Drill 18-23:7
Technical Exercises Concert A	I Recommend 11:39
	Exercises for Ensemble Drill 14-15:8
Technical Exercises Concert E	I Recommend 12:43
	Exercises for Ensemble Drill 14-15:7
Brass Lip Drills	I Recommend 4:1-5
	Exercises for Ensemble Drill 24-25

Term Six: Mid-May to the End of June

Arpeggio Concert B

I Recommend 16:12 Exercises for Ensemble Drill 18-23:8

Technical Exercises Concert B

Brass Lip Drills

I Recommend 12:47

Exercises for Ensemble Drill 14-15:6

I Recommend 4:1-5

Fussell 24-25

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Chapter 5

PREPARATION FOR PERFORMANCE

Diaphragmatic breathing

Numerous strategies exist to develop correct diaphragmatic breathing and breath control. Teal describes this exercise to help achieve correct breathing.¹¹

- 1. Walk slowly, keeping the body loose.
- 2. Stand erect, but comfortably. Shoulders and arms should be relaxed. Swing the arms while walking.
- 3. Take in a full breath quickly on one step.
- 4. Hold this breath for two steps.
- 5. Exhale through the mouth slowly for eight to ten steps.
- 6. Take two more steps before the next inhalation.

Teal notes that, in the above exercise, "the inhalation is fast and the remainder of the cycle is much slower." 12

Wilkins recommends that the following series of exercises be practiced daily.¹³ He suggests a gradual increase from ten to twenty times a day and warns not to exceed six times without a rest period if fatigued.

Exercise A

- 1. Place palm of hand upon the abdomen just below the ribs.
- 2. Take a breath slowly, feeling the diaphragm move outward against the hand.
- 3. Still inhaling slowly, expand the chest upward and outward until a comfortable supply of air has been taken.
- 4. Hold the breath for several seconds.
- 5. Exhale slowly, but do not permit the ribs to contract until almost all the air has been expelled.

6. The diaphragm does not retract until the end of the exhalation.

In performing this exercise, always remember that the breath must flow out evenly. If the result is jerky and wavering, inhale a smaller quantity of air and the control of it will be easier. The beginner can hear the out-flow of air if he will use the sibilant "S" when exhaling. It is advisable for him to do this in all the exercises so that he can tell if the breath is flowing smoothly and steadily. As he gains control of the breath, he should increase the inhalation.

Exercise B

- 1. Place palm of hand upon the abdomen just below the ribs.
- 2. Take a breath slowly, feeling the diaphragm move outward against the hand.
- 3. Still inhaling slowly, expand the chest upward and outward until a comfortable supply of air has been taken.
- 4. Exhale slowly, interrupting the steady flow of air by frequent pauses.

The purpose of these pauses is to strengthen the muscles used in controlling the air column.

Exercise C

- 1. Inhale slowly.
- 2. Hold breath for several counts when capacity is reached.
- 3. Exhale quickly.

Exercise D

- 1. Inhale quickly.
- 2. When the lung capacity is reached, hold the breath again.

3. Exhale slowly and steadily.

Shank describes the exhaling process as:¹⁴

...the most important breathing facet in playing, since it is blowing which produces the sound. ...Disregard the mental concept of the diaphragm or lower areas of breathing. Think of blowing directly through the horn. ...If you blow properly out front, the breath apparatus works automatically. A major effort should be concentrated on blowing the air from the mouth through the horn. Have the feeling of blowing your nose. Feel the pressure of the air against the front of the face.

This idea is developed is three stages.¹⁵

1. Start "frontal projection" by developing a vocal "m" sound or

hum that vibrates the entire nasal bone structure of the face.

2. Using a well-developed frontal hum, open the lips into a pucker whistle position and begin to whistle. This sounds rather complex, but what results here is the coordination of a good frontal projection with the release of air. You are gradually moving towards playing the instrument.

3. This step, a "buzz card" technique, adds a vibrating medium to the air stream. Any small card will suffice. While doing the hum and whistle, place the end of the card against the open lips, making the card vibrate sympathetically with the sounds. The more center of sound there is to the buzz on the card, the greater the degree of frontal projection.

Bollinger suggests ten steps to achieve proper diaphragmatic

breathing and support.¹⁶

- 1. Hands at sides, bend over until weight hangs on hips. Fill lungs to capacity, and then hiss the air out slowly.
- 2. Hands behind head, elbows out. Inhale suddenly, exhale slowly (over and over).
- 3. Lie face up on the floor. Next breath deeply and notice what happens, i.e., what parts of the body move while breathing and how they move. Notice the feel of breathing while in this position. Take a deep breath and exhale. Do this ten times, slowly, and stay as relaxed as possible.
- 4. Stand up. Think of the lungs as a balloon. Fill up the balloon completely, and softly say "Hup" so you fill your mouth also. Then hold for an instant, think of the note you are to play, aim, then release. (The diaphragm should have the feeling of grunting as its pressure is used to move the air steadily.) Check daily: with hands on hips, try to fill up all around the waist.
- 5. Take a pocket-size mirror, open the mouth and throat wide and watch closely in the mirror while inhaling. Now do the same thing when exhaling, and try to get the same feeling.
- 6. Take a deep breath through the mouth (the same manner as when lying down on the back) and then exhale very slowly through the lips for about 15-20 seconds. Then take another deep breath and repeat exhaling slowly through the lips. All breathing while playing an instrument should feel exactly this way.
- 7. Next take a deep breath and blow a stream of air against the back of the hand. A stream of cold air suggests inadequate support, and this is wrong. A warm air stream usually means good support. (To obtain a warm air stream, think of trying to moisten glasses to polish them, etc.)
- 8. Take a thin sheet of paper (small piece), and place it

against a wall or the middle of a music stand, and practice blowing air through the lips toward the paper, and see how long the paper will stay on the wall or music stand with this air pressure.

9. Try to whistle, sustaining the tone as long as possible.

10. Swim often-especially underwater.

Zorn views breath support as a three-fold process: inhalation, switchover and exhalation and provides the following experiments to illustrate each phase.¹⁷

Examining the muscles used in the inhalation.

1. Take a slow, deep inhalation as though you were sipping through a straw and notice how your rib cage and abdomen expand (...the muscles of the diaphragm contract downward while the rib cage expands outward). Repeat the experiment if necessary.

Exploring inhalation capacity.

2. Again, take a slow, cipping inhalation. When your lungs feel full to capacity, hold your breath for a second, then sip in still more air. This experiment should give you an idea of your inhalation capacity. It was probably a good deal more than you anticipated and dramatically more than a normal, everyday-activity breath intake. It should be pointed out, however, that this sort of double inhalation is not recommended for performance, but is useful as an experiment. Your ultimate goal is to take in as much air as possible with a single inhalation.

Analyzing the switchover.

3. Take a slow, sipping inhalation. When your lungs are full, hold everything for several seconds, and note that a new set of muscles has taken over control to hold the air from rushing out. This is the switchover.

In the exhalation process, the abdominal muscles surrounding the waist control the rate and pressure of the air being exhaled.

Analyzing the muscles controlling the exhalation.

4. Take a moderate inhalation, make the switchover, and then simulate several coughs. Notice which muscles are being activated.

Analyzing the rate and pressure of the exhaled air.

5. Take a slow, full inhalation, make the switchover, and then exhale gradually, sounding the sibilant, "Sssss..." Try

varying the loudness level of the sibilant. Repeat this final experiment several times until you thoroughly understand the whole breathing process.

To teaching proper diaphragmatic breathing while involving students rhythmically and developing basic vibrato techniques, Bollinger suggests breath impulse or panting.¹⁸ Here, the diaphragm is contracted sharply causing the air in the lungs to be thrust upward and outward in accelerated bursts. Bollinger warns that this method will sound rhythmic and mechanical during the initial stages but will develop into an artistic sound.

Mueller has compiled a series of exercises intended to lesson tension and to open the throat. Ideally, Mueller writes;¹⁹

Shoulders should remain low, but the chest and spinal column should remain erect but not rigid. Abdominal wall muscles, acting in an in-and-up fashion, expel the air in the proper amount and at the proper rate of speed. These muscles are even more important in playing a wind instrument than the lips, for they control the breath which sets the lips vibrating. They control volume, carrying power, pitch, and even the character of the tonal result. ...Fresh breath should be taken before the supply is completely exhausted. Therefore the amount of air taken should be geared to the length, loudness, and tessitura of the phrase played. ...Exercises in long tones with dynamic contrasts, and exercises in gradually increased scope of intervals, help to establish control of the breath apparatus.

Exercises to open the throat.

- 1. By whispering the word "who-oo-oo" over and over, then the word "pooh" in a like manner, one will become aware of what an open throat feels like.
- 2. By placing the palm of the hand lightly over the collarbone region at the base of the throat while playing forte, a reasonable feeling of relaxation should be noted. While complete relaxation of this area is virtually impossible, minimal contraction of these muscles is the key to good endurance.
- 3. A second check can be made with the two index fingers touching lightly the area just below and behind the lower jaw structure. Tension, if it is present at this point, is caused by

excessive stiffness of the tongue muscle during sustained passages, or by moving the tongue back and forth rather than up and down during articulation.

The following suggestions on breath control are also submitted by Mueller. 20

- 4. Release all the air from the lungs. Wait as long as possible. Now take a quick breath. It will be correctly placed.
- 5. Pant as though you had just completed a mile race. Please note carefully your muscular sensations.
- 6. Visualize and simulate sniffing the fragrance of a beautiful rose.
- 7. Inhale and exhale two incorrect high chest breaths. Now take a third breath, placing it deeply and correctly.
- 8. While sitting, lean as far forward as possible, placing your head between your knees as you practice breathing.
- 9. Using a wide belt around your waist just below the rib cage (higher than normal belt placement), draw it tightly during a short portion of your practice session to serve as a reminder of correct breath placement.

Warm-Up and Tuning Exercises

Warm-Up Exercises

Exercises for Ensemble Drill 4-7:A-L

Advanced Technique for Bands 30-31:92-97

Tuning Exercises

I Recommend 2-3

I Recommend 5:1-4

I Recommend 6:5-10

Advanced Technique for Bands 32:98-107

Articulation and Dynamic Exercises

Articulation Exercises

I Recommend 21:1-2

- I Recommend 22:3-4
- I Recommend 23:5

sfp

fp

rf

fz

sf

I Recommend 23:6-7

Articulation Guide¹⁸

Horizontal accent (accent the note, hold for full value, "doot" tonguing, detach from the following note).

Verticle accent (marcato, heavy accent, hold the note less than its full value, short "dot" tonguing).

Heavy accent (play the note as short as possible, "dit" tonguing).

Staccato (play the note short and light, "daht" tonguing).

Legato (hold the note for its full value, "doo" tonguing).

Subito marking (accent the note then _ quickly fade to piano).

Subito marking (accent the note then quickly fade to piano).

Rinforzando (accent the note then sustain for remaining value at forte).

Accented

Accented

Tenuto accent (accent the note, hold for full value, sustain to following note).

Dash (accented staccato, play the note short and heavy).

FOOTNOTES

¹Secondary (8-12) Music Curriculum/Resource Guide, (Victoria, Canada: Ministry of Education, 1980).

²Ibid., p. 1.

³Ibid., pp. 13-14.

⁴Based largely on Robert D. Devine, "A Band Report Card Based on a Three-Year Curriculum with Specific Objectives," in <u>The</u> <u>Instrumentalist</u>, ed. Kenneth L. Neidig (Evanston, Illinois: The Instrumentalist Company, 1981), Vol. 35, No. 11, pp. 18-19.

⁵Ibid., p. 19.

⁶Ibid., p. 19.

⁷The sequence of the music theory lessons follows the format of James Murray Brown, <u>A Handbook of Musical Knowledge</u>, (Amersham, Bucks: Halstan & Co. Ltd., 1967). The list of terms in level 2, lessons 27-31 are taken directly from pp. 46-47.

⁸The rhythmic patterns have been taken from many sources, the most prominent being: Raymond C. Fussell, <u>Exercises for Ensemble Drill</u>, (Melville, New York: Schmitt, Hall & McCreary, 1939), pp. 43-52; Nilo W. Hovey, <u>Advanced Technique for Bands</u>, (Chicago: M. M. Cole Publishing Co., 1963); James D. Ployhar, <u>I Recommend</u>, (Melville, New York: Byron-Douglas Publications, 1972).

⁹The exercises for recorder are original however the sequence of note introduction is based on Carle Hodson, arr., <u>The Empire Classroom</u> <u>Method for Recorder</u>, (New Westminster, Canada: Empire Music Publishers Ltd., 1962) and the rhythmic progression were taken from Nilo W. Hovey, Advanced Technique for Bands, (Chicago: M. M. Cole Publishing Co., 1963).

¹⁰See Appendices 1-4.

¹¹Larry Teal, <u>The Art of Saxophone Playing</u>, (Evanston, Illinois: Summy-Birchard Co., 1963).

¹²Ibid.

¹³Frederick Wilkins, The Mechanics of Breathing," <u>The Conn Chord</u>, VI, 3, (May, 1983), 12.

¹⁴Barry M. Shank, "Short Cut to Correct Breathing," <u>The Instrument-</u> alist, XVIII, 3 (October, 1963), 30.

¹⁵Ibid., p. 30.

¹⁶Donald F. Bollinger, <u>Band Director's Complete Handbook</u>, (West Nyack, New York: Parker Publishing Company, Inc., 1979), p. 71.

¹⁷Jay D. Zorn, <u>Brass Ensemble Method for Music Educators</u>, (Belmont, California: Wadsworth Publishing Company, Inc., 1977), pp. 1-2.

¹⁸Secondary (8-12) Music Curriculum/Resource Guide, (Victoria, Canada: Ministry of Education, 1980), p.54.

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Appendix 1

Curwen Hand Signs

The following page contains the Curwen hand signs used to direct students during warm-up exercises including major scales and arpeggios.









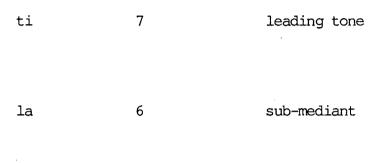






do

Curwen Hand Signs



so 5 dominant

fa 4 sub-dominant

mi 3 medi re 2 supe

1 tor

mediant

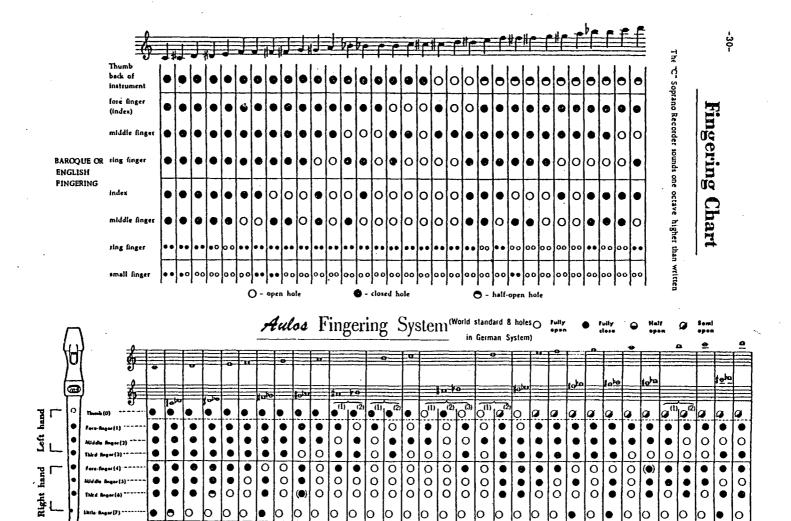
super-tonic

tonic or keynote

Appendix 2

Recorder Fingering Chart

The following page contains a fingering chart to accompany the instructions contained in chapter 3.



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