

Creative Keyboard's DELUXE ENCYCLOPEDIA

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Piano of Chords

A Complete Study of Chords

How to Use Them

By Bob Kroepel



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Creative Keyboard's DELUXE ENCYCLOPEDIA OF PIANO CHORDS

A Complete Study of Chords and How to Use Them

The Deluxe Encyclopedia of Piano Chords is a complete and thorough analysis of chords as applied to the piano keyboard. This study encompasses chord construction, usage, scales and rhythm patterns.

It is hoped that this text will enable the pianist or organist to effectively use and apply the full diversity of chord possibilities in creating interesting, personal and colorful musical styles.

Dedication: To my Mother, Mabel M.,
and my Father, Elmer H. Kroepel;
music was a happiness in our home.

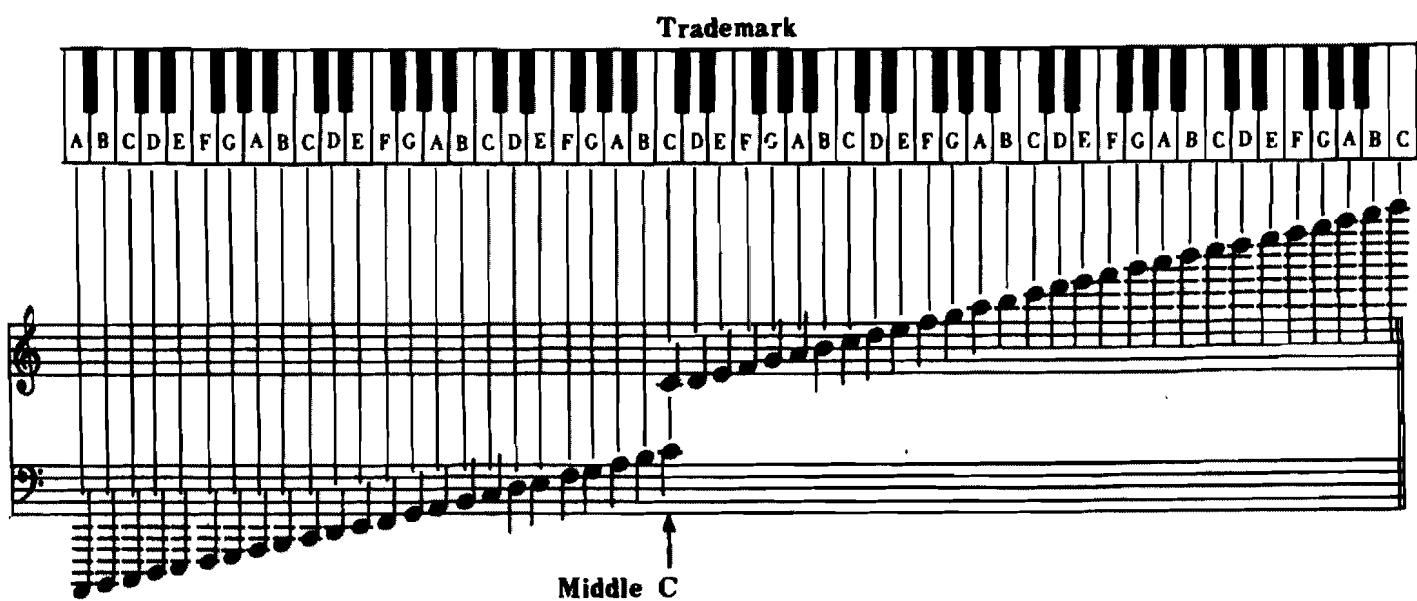
Bob Kroepel



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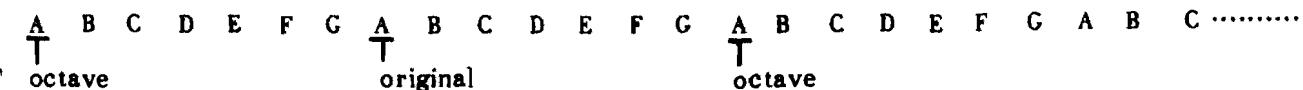
Here is a keyboard diagram showing the white keys of the piano keyboard and their location on the Grand Staff:



Notice that the number of leger lines needed to locate the pitches of the piano on the Grand Staff increase towards the ends of the keyboard.

To make it easier to read music is often written with the symbol 8va instead of the exact number of leger lines.

8va means "octave." "Octave" comes from the Latin word "octava," meaning "eighth." An octave is the same letter eight letters to the left or right of the original:



8va written above a note means to play the note with the same letter name an octave higher:

Written:	Played:
8va	

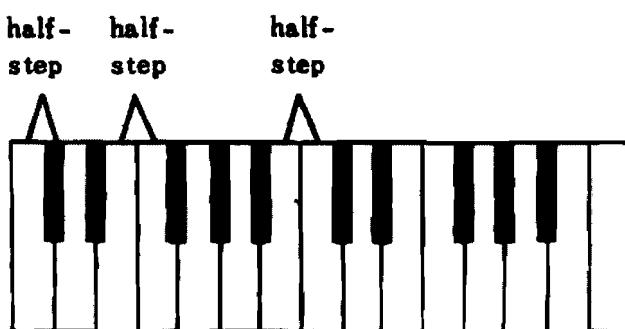
8va a basso means to play the note with the same letter name an octave lower:

Written:	Played:
8va a basso	

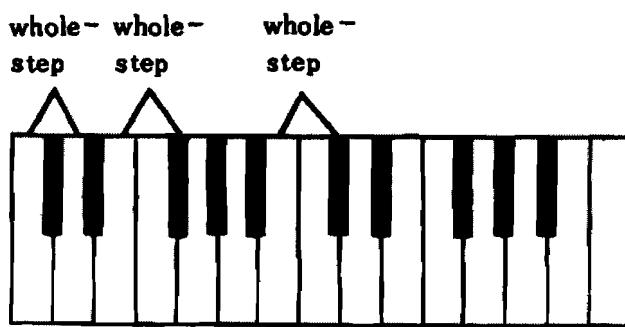
2 8va means two octaves higher; 2 8va a basso means two octaves lower.

In music an **interval** is defined as the distance (in terms of pitch) between two notes.

The smallest interval on the piano keyboard is the **half-step**: a half-step is defined as the interval between two adjoining notes:

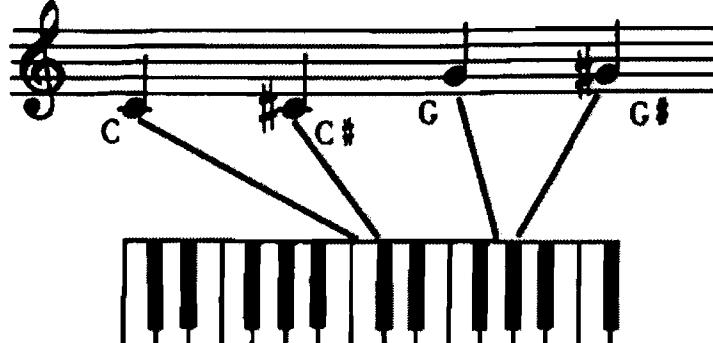
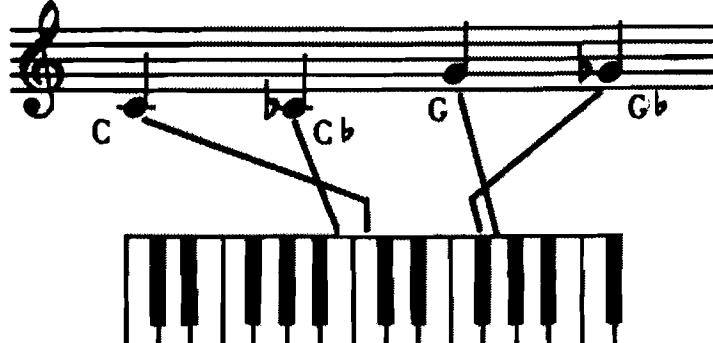
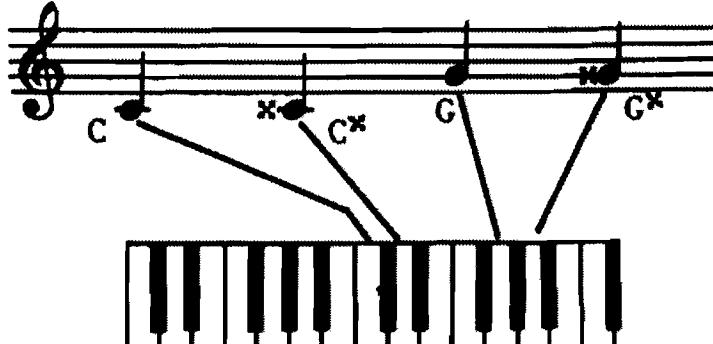
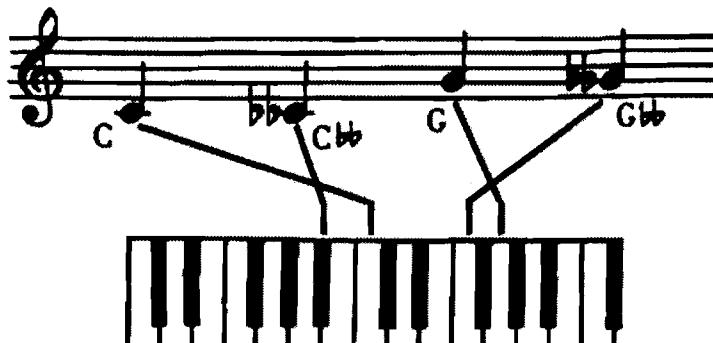
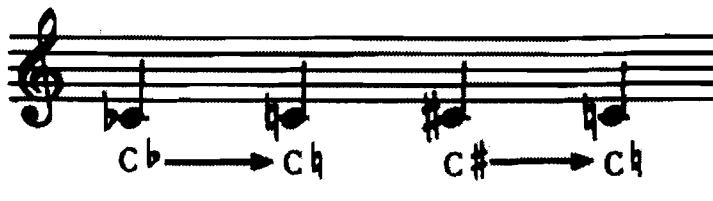


Two half-steps equal one **whole-step**:



Musical symbols which alter the letter names of notes are called **accidentals**.

Here is a chart which explains the symbols used for accidentals:

Symbol	Name	Function	Example
#	Sharp	raises pitch a half-step	
b	Flat	lowers pitch a half-step	
x	Double-Sharp	raises pitch two half-steps, or one whole-step	
bb	Double-Flat	lowers pitch two half-steps or one whole-step	
natural sign	Natural	cancels a sharp or a flat	

Major Scales.

The musical alphabet is a continuum, repeating endlessly the first seven letters of the English language alphabet:

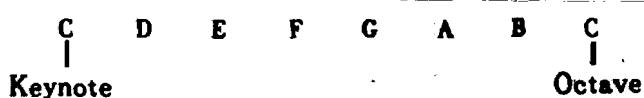
A B C D E F G A B C D E F G A B C D E F G Aetc.

A scale is a series of tones in an organized sequence.

A major scale is an eight-letter sequence of the musical alphabet.

The first letter of the major scale is called the **tonic note**, or **keynote**: the last letter of the major scale is the same as the keynote but is called the **octave**.

Ex. C major scale

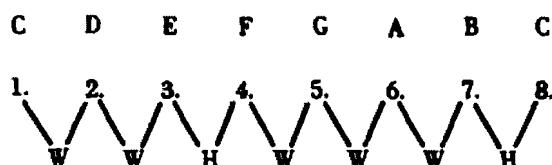


The tones of the major scale can be numbered:

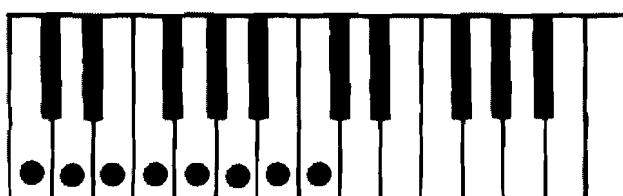
C	D	E	F	G	A	B	C
1.	2.	3.	4.	5.	6.	7.	8.

The numbers referring to the tones of a major scale are called scale degrees.

The musical relationships between the tones of a major scale can be expressed by means of whole-steps (abbreviated W) and half-steps (abbreviated H):



Here is the C major scale shown on a keyboard diagram:



C major scale = C D E F G A B C

Scale degrees - 1. 2 3. 4. 5. 6. 7. 8



To preserve the whole-step and half-step relationships between the tones of a major scale the key signature indicates which notes are sharped or flattened.

Ex. The G major scale

The F sharp(F#) in the key signature indicates that this note is to be played F sharp(F#)

A musical staff with a treble clef and a key signature of one sharp (F#). The staff shows the notes G, A, B, C, D, E, F#, and G. Below the staff is a piano keyboard diagram with black keys at C, E, G, B, and D. The white keys are labeled with dots below them: G, A, B, C, D, E, F#, and G. This indicates that the F# in the key signature is to be played as the white key between C and D on the piano.

G major scale— G A B C D E F# G
Scale degrees— 1. 2. 3. 4. 5. 6. 7. 8.

Ex. The F major scale

The B flat(Bflat) in the key signature indicates that this note is to be played B flat(Bflat)

A musical staff with a treble clef and a key signature of one flat (Bflat). The staff shows the notes F, G, A, Bflat, C, D, E, and F. Below the staff is a piano keyboard diagram with black keys at C, D, E, G, and A. The white keys are labeled with dots below them: F, G, A, Bflat, C, D, E, and F. This indicates that the Bflat in the key signature is to be played as the white key between A and C on the piano.

F major scale— F G A Bflat C D E F
Scale degrees—

Chords

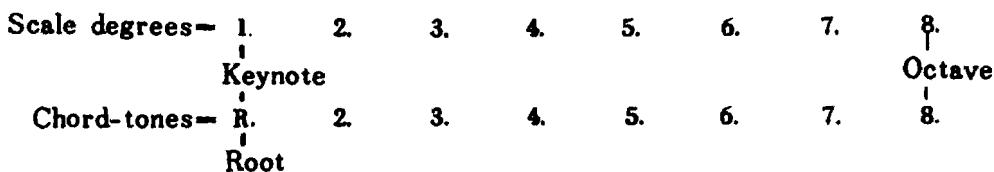
A chord is defined as two or more notes played at the same time. In popular music a chord generally has a minimum of three notes.

The pitches which make up a chord are called **chord-tones**:any other pitches are called **non-chord-tones**.

Chords can be related to major scales by means of scale degrees.

The chord-tone upon which the rest of the chord is built is called the **root**.

The chord-tones of any chord can be related to the scale degrees of the major scale having the same keynote as the root of the chord.



NOTE: R is used to differentiate clearly the root of the chord from the keynote of the scale when using numbers.

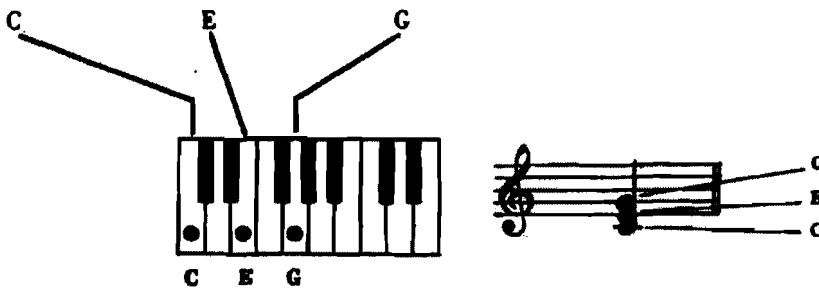
A major triad consists of the root, third and fifth scale degrees (R. 3. 5.).

Ex. C major triad

C major scale— C D E F G A B C

Scale degrees— 1. 2. 3. 4. 5. 6. 7. 8.

Chord-tones— R. 3. 5.



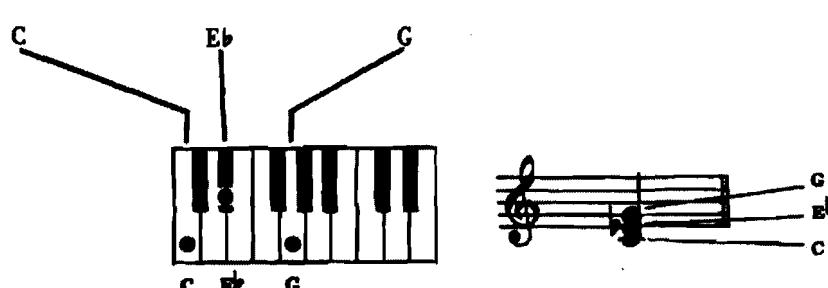
A minor triad consists of the root, flattened third and fifth scale degrees (R. b3. 5.).

Ex. C minor triad

C major scale— C. D. E. F. G. A. B. C.

Scale degrees— 1. 2. 3. 4. 5. 6. 7. 8.

Chord-tones— R. b3. 5.



Inversions

A rearrangement of chord-tones is called an **inversion**.

A chord with the root as the lowest note is said to be in **root position**;

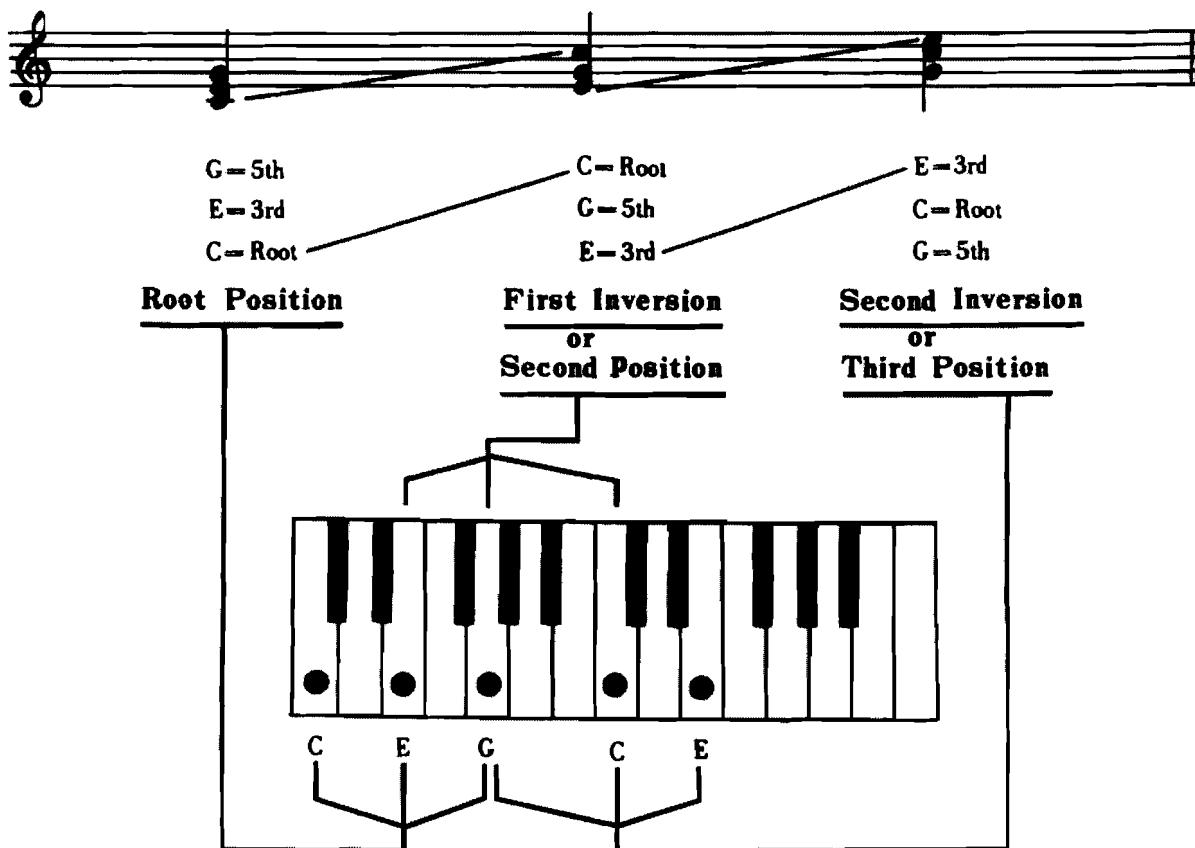
a chord with the third as the lowest note is said to be in the **first inversion**;

a chord with the fifth as the lowest note is said to be in the **second inversion**, etc.

However, the term **position** is often used instead of inversion: the relationship between **position** and **inversion** can be confusing and is shown below:

Ex. C major triad.

C



Since chord-tones can be rearranged into as many positions as there are chord-tones four-note chords will have four positions, five-note chords will have five positions, etc.

Specific chord positions can be indicated by using a slash mark (/) after the chord symbol and a letter, "R" for root position, or a number for other positions:

C/R = C major triad, root position; C/2 = C major triad, second position;
C/3 = C major triad, third position, etc.

When the composer wishes to specify a particular bass note he may use a slash mark and a letter indicating the desired bass note:

C/E = C major triad(any position), E bass note; C/G = C major triad, G bass note, etc.

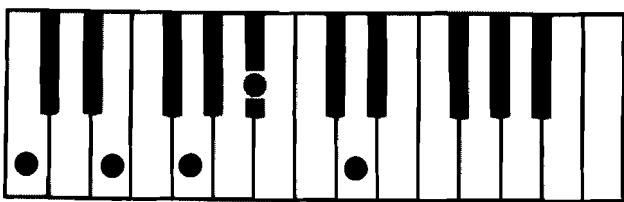
A specific chord position and a specific bass note can be indicated by using two slash marks, the letter or number after the first slash mark indicating the chord position, the letter after the second mark indicating the bass note:

C/2/G = C major triad, second position, G bass note, etc.

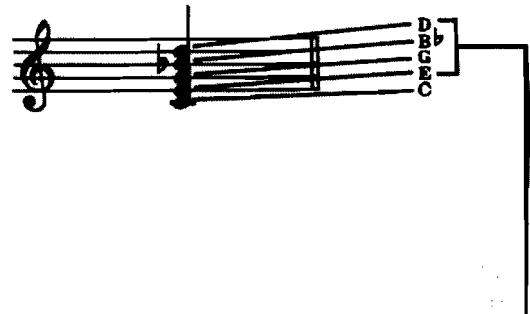
Since it is difficult for the average-sized hand to play more than four notes at a time only the top four notes of ninth(5-note) chords, eleventh(6-note) and thirteenth(7-note) chords will be inverted:

Ninth Chords

C9

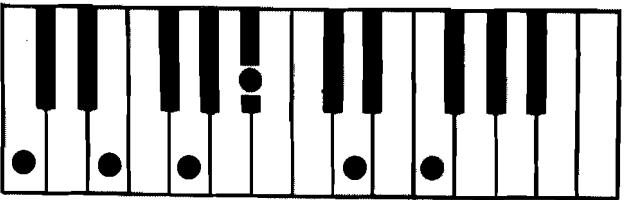


C	E	G	B _b	D
R.	3.	5.	7.	9.

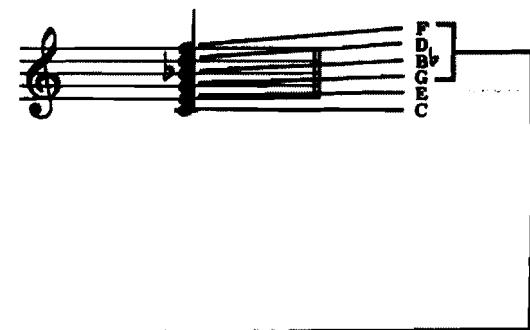


Eleventh chords

C11

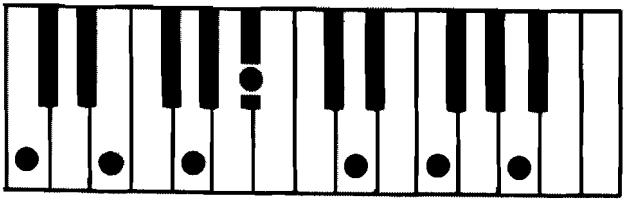


C	E	G	B _b	D	F
R.	3.	5.	7.	9.	11.

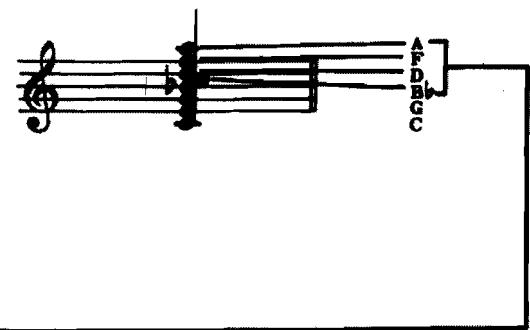


Thirteenth Chords

C13



C	E	G	B _b	D	F	A
R.	3.	5.	7.	9.	11.	13.



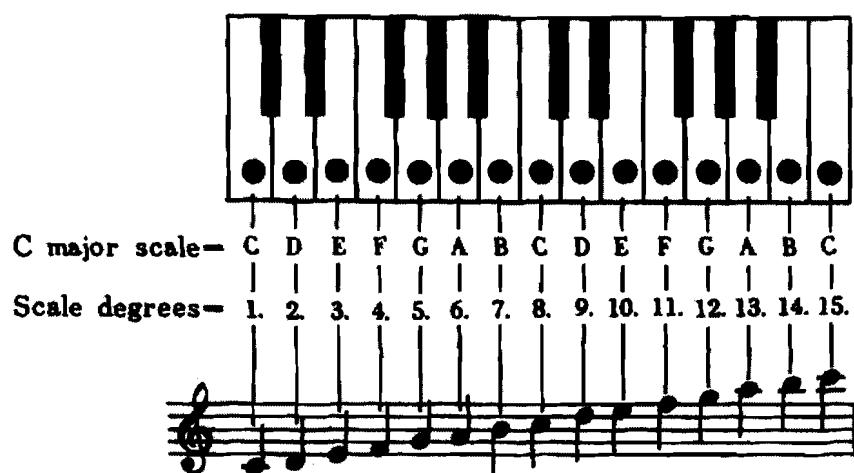
NOTE:ninth, eleventh and thirteenth chords are substitutes for common or dominant seventh chords ; to simplify his playing the student may use the common or dominant seventh chord instead of the ninth, eleventh or thirteenth.

On the following pages chords and their construction by means of scale degrees are shown.

Although the examples given are for C chords any root can be used.

The most common chord symbols will also be given.

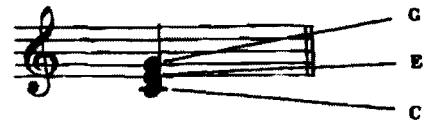
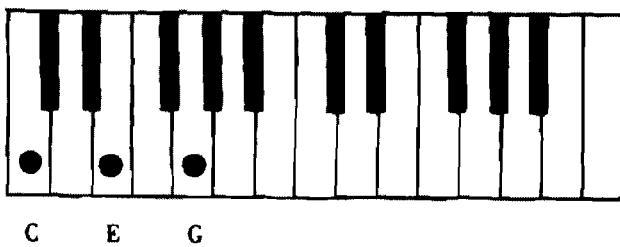
For the examples in C the C major scale should be kept in mind:



Major Triad

Chord-tones = R., 3., 5.

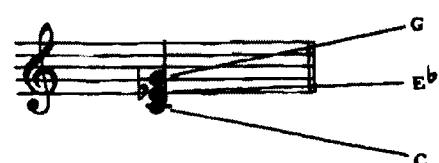
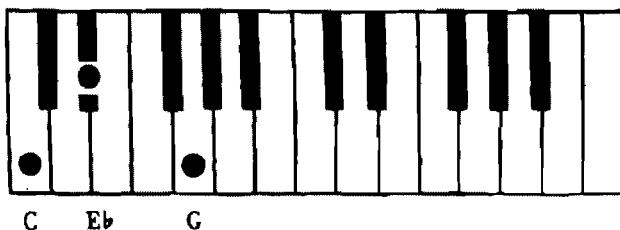
Chord symbol = C (capital letter only)



Minor Triad

Chord-tones = R., \flat 3., 5.

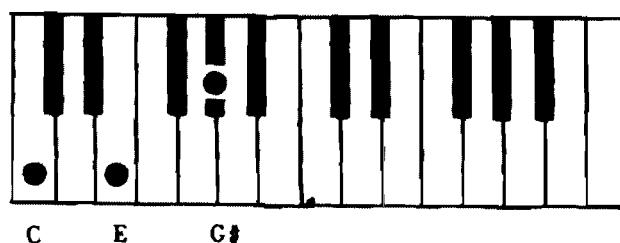
Chord symbols = Cm or C-



Augmented Triad

Chord-tones = R., 3., \sharp 5

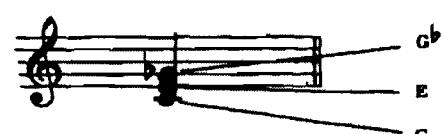
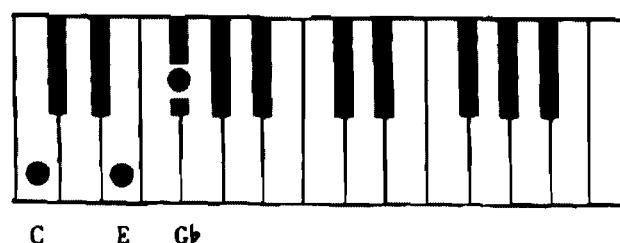
Chord symbols = C+5, C+, C(\sharp 5)



Lowered Fifth Triad

Chord-tones = R., 3., \flat 5.

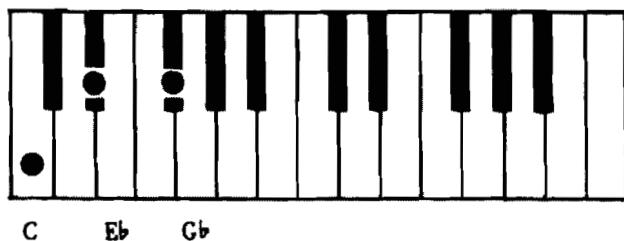
Chord symbols = C-5, C(\flat 5)



Diminished Triad

Chord-tones = R., $\flat 3.$, $\flat 5.$

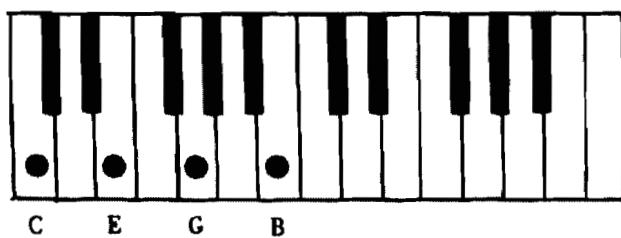
Chord symbols = Cdim., C°



Major Seventh Chord

Chord-tones = R., 3., 5., 7.

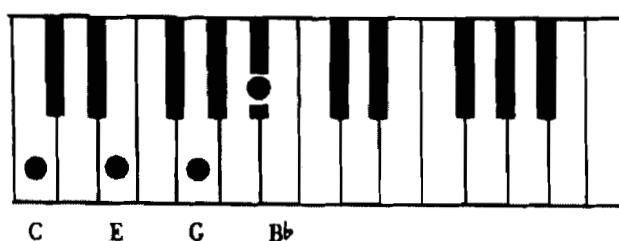
Chord symbols = Cmaj.7, CM7, C



Dominant Seventh Chord

Chord-tones = R., 3., 5., $\flat 7.$

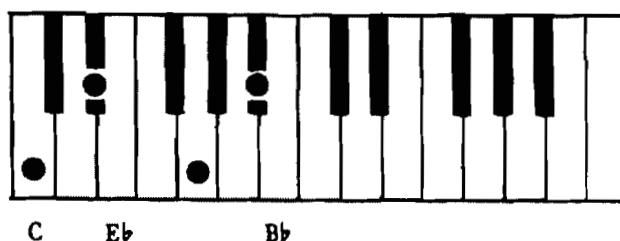
Chord symbol = C7



Minor Seventh Chord

Chord-tones = R., $\flat 3.$, 5., $\flat 7.$

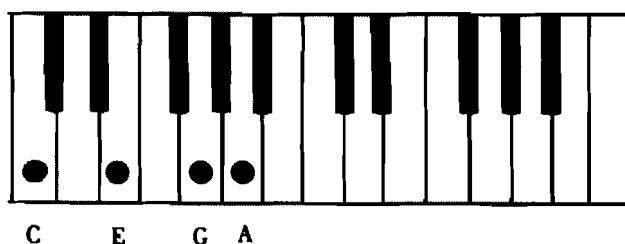
Chord symbol = Cm7



Major Sixth Chord

Chord-tones = R., 3., 5., 6.

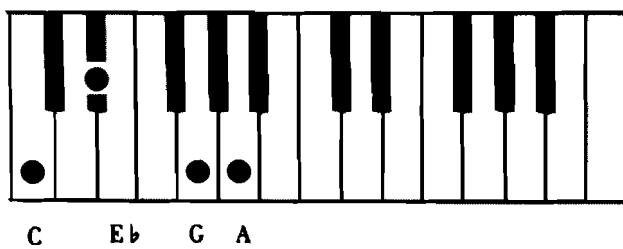
Chord symbol = C6



Minor Sixth Chord

Chord-tones = R., ♭3., 5., 6.

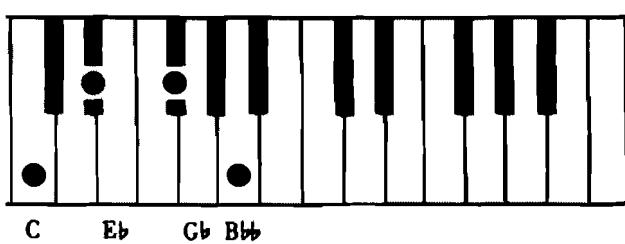
Chord symbol = Cm6



Diminished Seventh Chord

Chord-tones = R., ♭3., ♭5., ♭7.

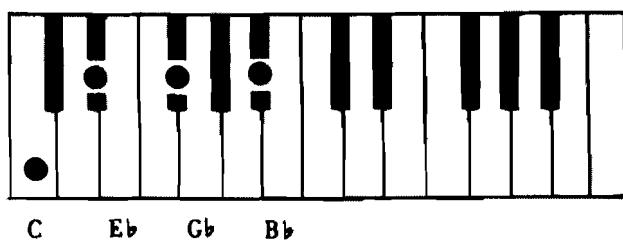
Chord symbol = Cdim. 7



Minor Seventh Lowered Fifth Chord, or Half-Diminished Chord

Chord-tones = R., ♭3., ♭5., ♭7.

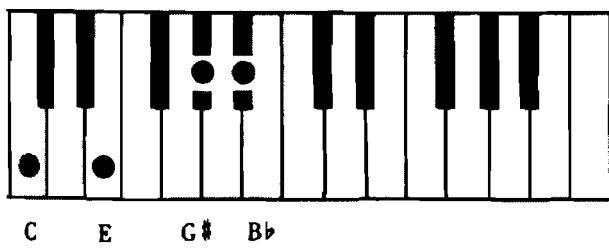
Chord symbols = Cm7-5, C'



Seventh Augmented Fifth Chord, or Augmented Seventh Chord

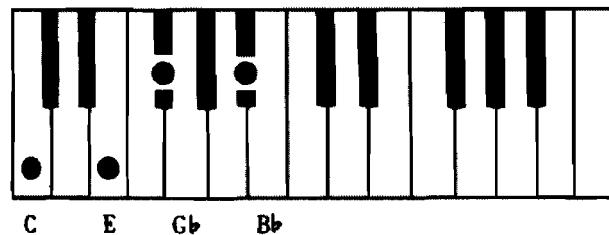
Chord-tones=R., 3., ♯5., ♭7

Chord symbols=C7+5, C7aug. 5

**Seventh Lowered Fifth Chord**

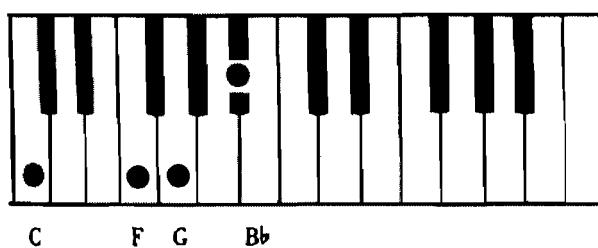
Chord-tones=R., 3., ♭5., ♭7

Chord symbols=C7-5, C7b5, C7(b5)

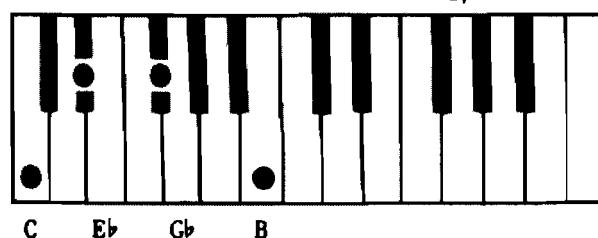
**Seventh Suspended Fourth Chord**

Chord-tones=R., 4., 5., ♭7

Chord symbol = C7sus. 4

**Major Seventh Flatted Third, Flatted Fifth Chord**

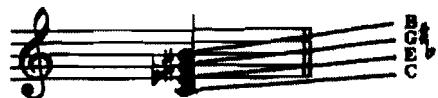
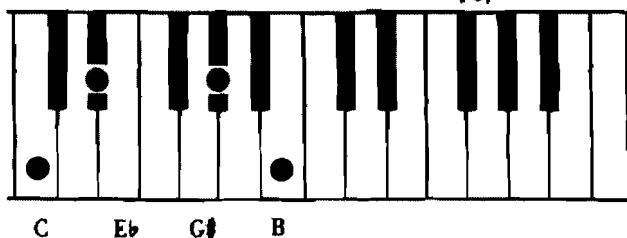
Chord-tones=R., ♭3., ♭5., 7.

Chord symbols= CM7 $\frac{\flat 3}{\flat 5}$, Cmaj.7, ♭3, ♭5

Major Seventh Flatted Third, Augmented Fifth Chord

Chord-tones = R., $\flat 3.$, $\sharp 5.$, 7.

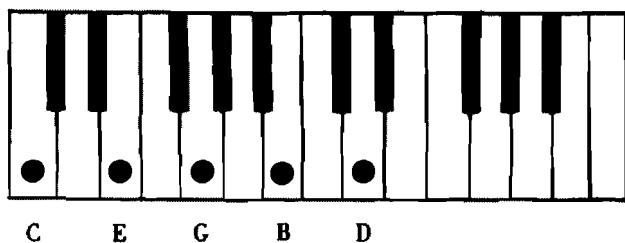
Chord symbols = CM7 $\flat 3$, Cmaj. 7, $\flat 3$, $\sharp 5$



Major Ninth Chord

Chord-tones = R., 3., 5., 7., 9

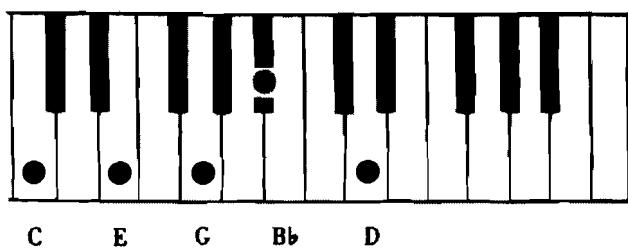
Chord symbol = Cmaj. 9



Ninth Chord

Chord-tones = R., 3., 5., $\flat 7.$, 9.

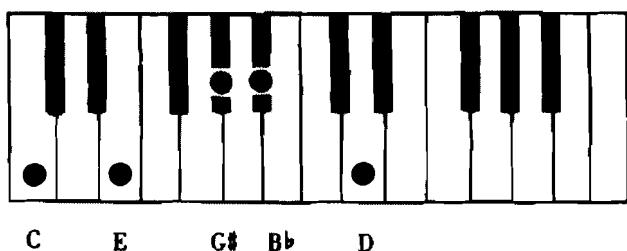
Chord symbol = C9



Ninth Augmented Fifth Chord

Chord-tones = R., 3., $\sharp 5.$, $\flat 7.$, 9.

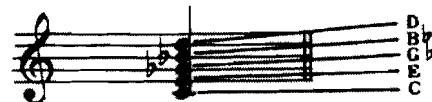
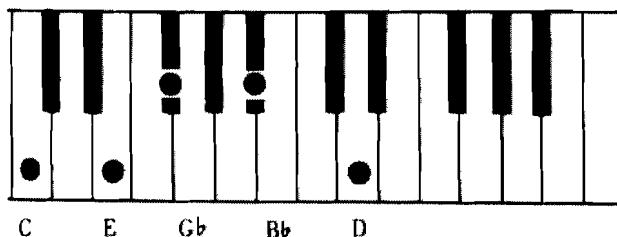
Chord symbols = C9, $\sharp 5$, C9, +5.



Ninth Lowered Fifth Chord

Chord-tones = R., 3., \flat 5., \flat 7., 9.

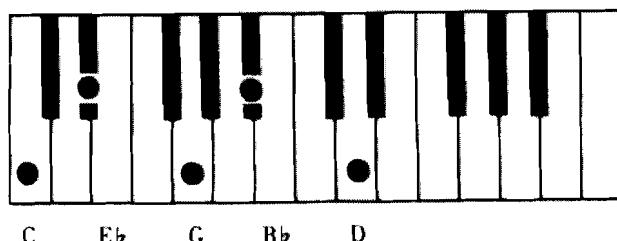
Chord symbols = C9-5, C9, \flat 5.



Minor Ninth Chord

Chord-tones = R., \flat 3., 5., \flat 7., 9.

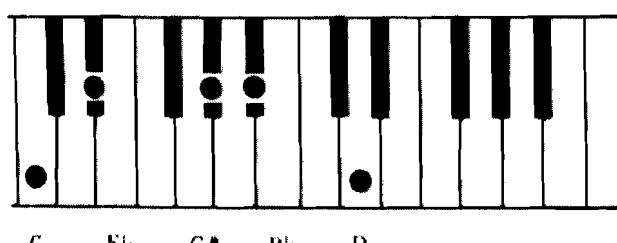
Chord symbol = Cm9



Minor Ninth Augmented Fifth Chord

Chord-tones = R., \flat 3., \sharp 5., \flat 7., 9.

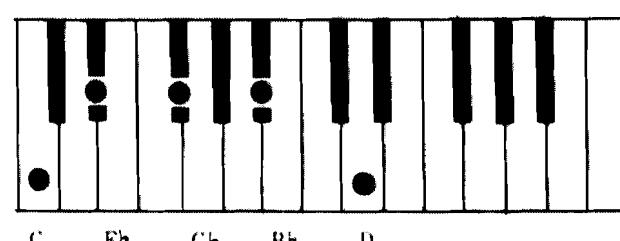
Chord symbols = Cm9+5, Cm9 \sharp 5



Minor Ninth Lowered Fifth Chord

Chord-tones = R., \flat 3., \flat 5., \flat 7., 9.

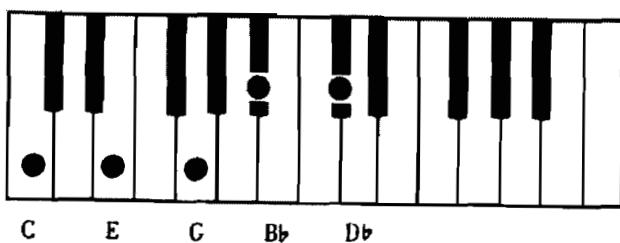
Chord symbols = Cm9-5, Cm9, \flat 5.



Seventh Flatted Ninth Chord

Chord-tones = R., 3., 5., \flat 7., \flat 9.

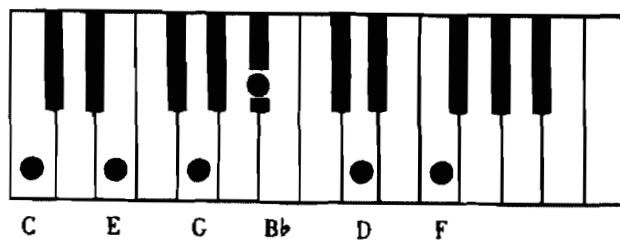
Chord symbols = C7, \flat 9, C7-9



Eleventh Chord

Chord-tones = R., 3., 5., \flat 7., 9., 11.

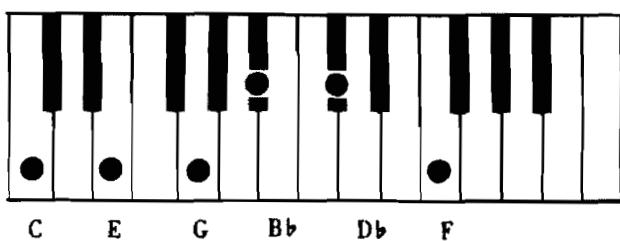
Chord symbol = C11



Eleventh Flatted Ninth Chord

Chord-tones = R., 3., 5., \flat 7., \flat 9., 11.

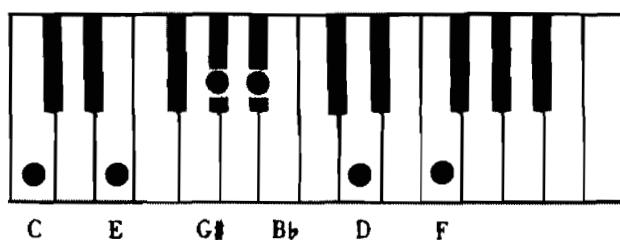
Chord symbols = C11, \flat 9, C11-9



Eleventh Augmented Fifth Chord

Chord-tones = R., 3., \sharp 5., \flat 7., 9., 11.

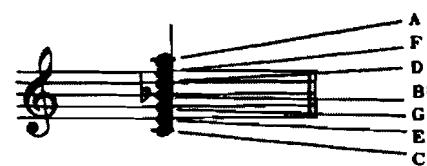
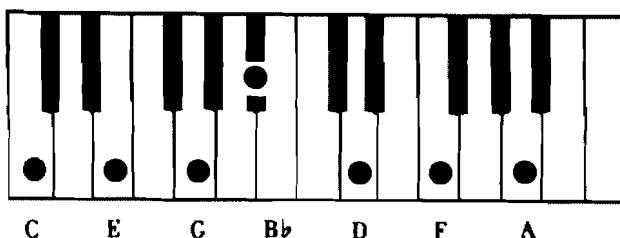
Chord symbols = C11, \sharp 5, C11, +5.



Thirteenth Chord

Chord-tones = R., 3., 5., \flat 7., 9., 11., 13.

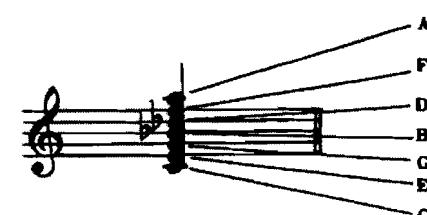
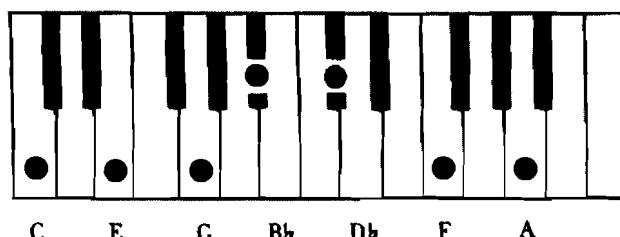
Chord symbol = C13.



Thirteenth Flattened Ninth Chord

Chord-tones = R., 3., 5., \flat 7., \flat 9., 11., 13.

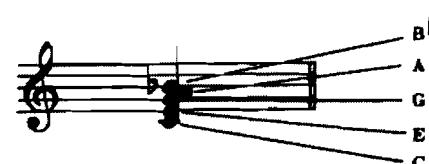
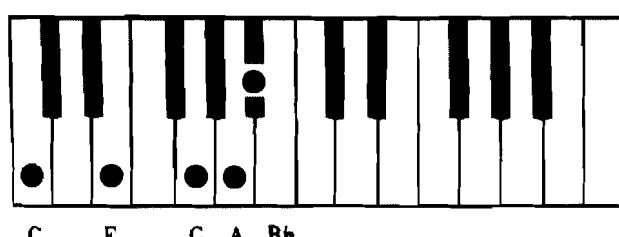
Chord symbols = C13, \flat 9, C13-9



Seven Six Chord

Chord-tones = R., 3., 5., 6., \flat 7.

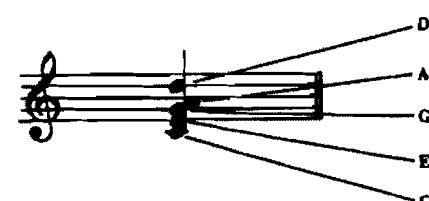
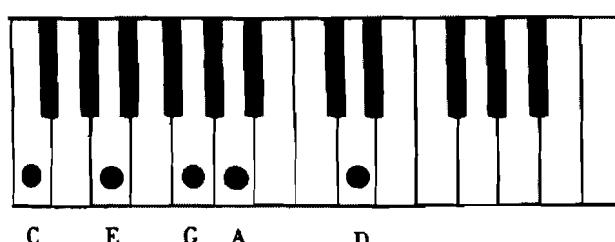
Chord symbols = C7, 6, C7/6.



Six Nine Chord

Chord-tones = R., 3., 5., 6., 9.

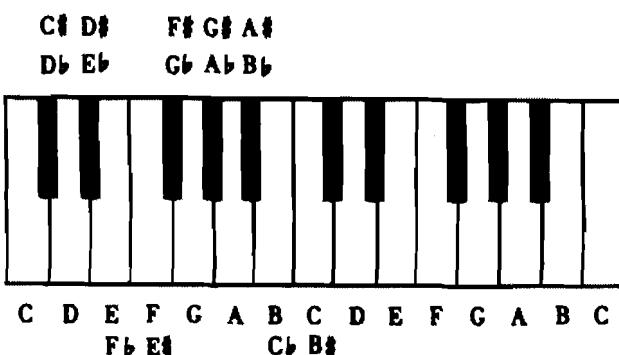
Chord symbol = C6, 9.



Enharmonic Notation

The musical alphabet is used to label the white keys only. The black keys derive their names from the adjacent white keys.

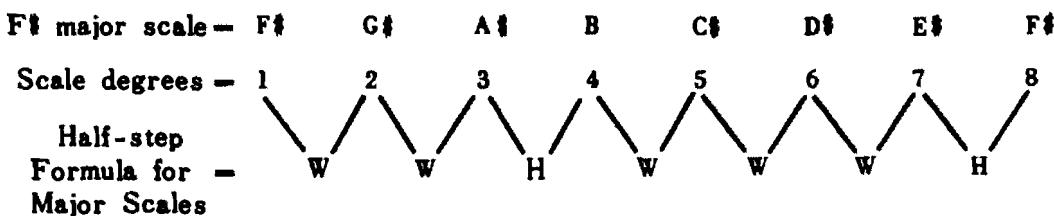
The following chart shows how the keys are named:



Notice that a black key can have two names, such as C#-D♭. The fact that a key can have more than one name is called **enharmonic notation**, meaning equivalent names for the same pitch.

Notice that certain white keys can have two names, such as E-F♭. Enharmonic notation is used to preserve certain musical relationships, such as the whole-step and half-step relationships between the scale degrees of a major scale.

Ex. F# Major Scale.



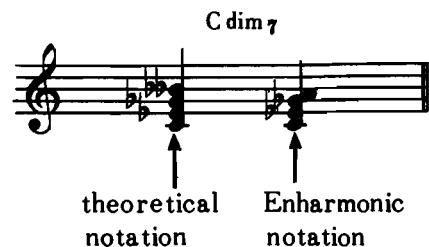
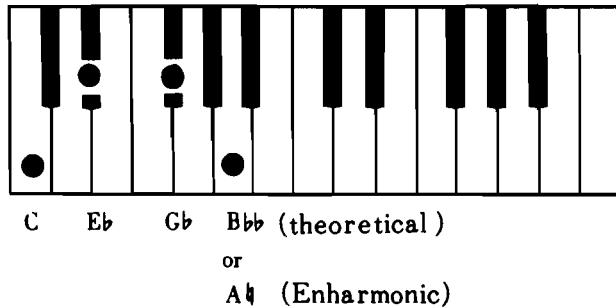
Because there must be a half-step between the 7th and 8th scale degrees the white key which is a half-step down from F# is now called E# instead of F natural.

Enharmonic notation is quite often used in writing music in order to make it easier to read in certain situations.

In a diminished seventh chord the diminished seventh itself is theoretically written as the double-flatted seventh scale degree ($\flat\flat 7$): however, the double-flatted seventh is often difficult to read and the enharmonic equivalent, the major sixth scale degree, is often used instead:

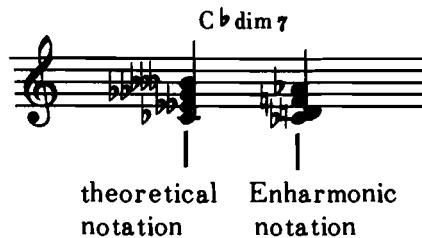
Ex. C Diminished Seventh Chord

Chord-tones = R., $\flat 3.$, $\flat 5.$, $\flat\flat 7$.

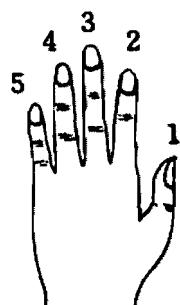


In this book the correct theoretical notation will be used throughout.

NOTE: in the above example, if the diminished seventh chord were built on C_{flat} instead of C, the chord-tones would have been C_{flat}, E_{flat}, G_{flat}, B_{flat,flat} (B triple flat !!): conceivably, E_{flat}, G_{flat}, B_{flat,flat} could be written with their enharmonic equivalents, D, F, and A :



The fingers can be numbered with the thumb of each hand counted as one, the little finger as five:



The scales on the following pages should be practised with strict adherence to the fingerings given, the thumb passing under the other fingers in ascending while the other fingers pass over the thumb descending:

Fingering for the Right hand

Thumb under

Fingers over

8va means play an octave higher than written.
Loco means return to the original octave.

Written: Played:

8va

C C

8va —————— Loco

G A B C D E F G F E D C B A G

When the notes written in the bass clef climb too high on the staff the treble clef can be used to eliminate the need for leger lines:

G A B C D E F G F E D C B A G

In the following pages major scales are presented by means of keyboard diagrams and annotation on the Grand Staff.

Ex. C Major Scale.

Key of C Major

C Major Scale in One Octave:

Key board Diagram

Scale Tones = C D E F G A B C

Scale Degrees = 1 2 3 4 5 6 7 8

Annotation:

Fingering for the Right Hand

Fingering for the Right Hand

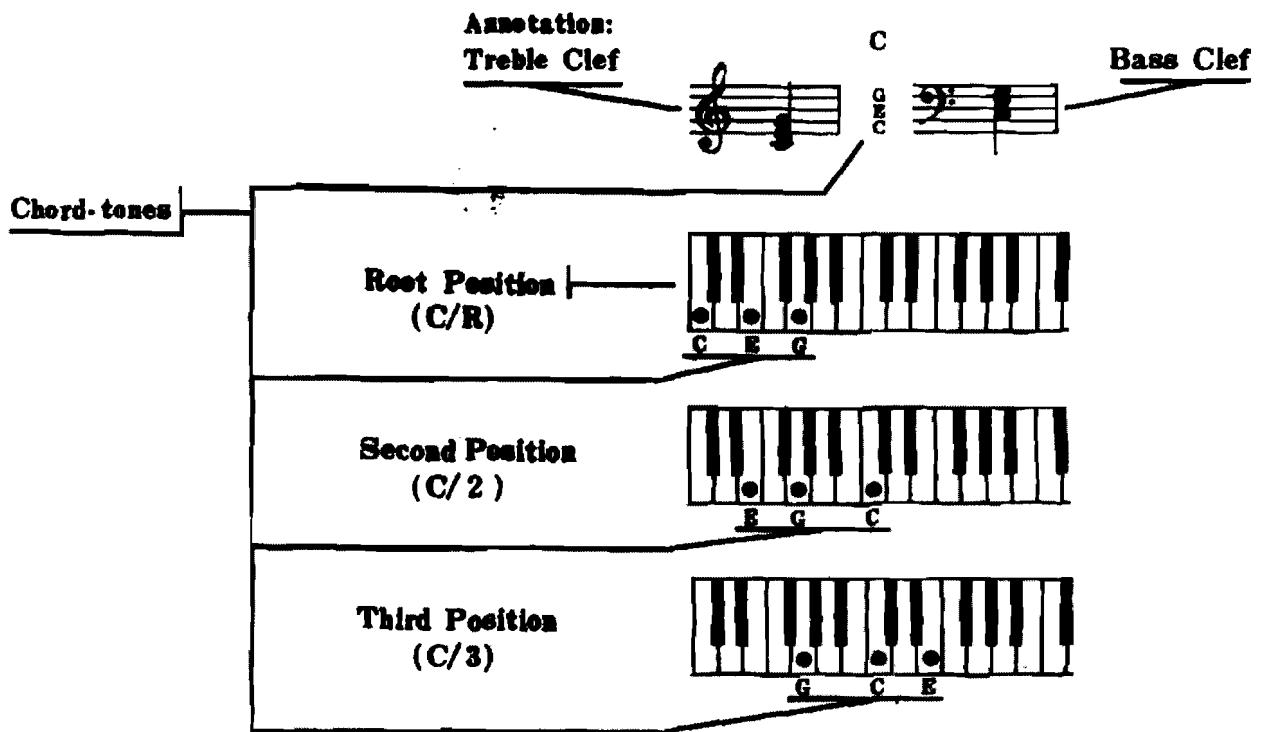
1 2 3 1 2 3 4 5 4 3 2 1 3 2 1

5 4 3 2 1 3 2 1 2 3 1 2 3 4 5

Fingering for the Left Hand

In the following pages the chords most commonly found in popular music are presented by means of keyboard diagrams.

Ex. C Major Triad.



NOTE: another keyboard diagram for the fourth position of four-note chords and inversions of the top four notes of five-, six-, and seven-note chords will be given where needed.

To conserve space fingerings for the chords are not shown.

A simple rule for fingering the chords is "use whatever fingering is comfortable and convenient."

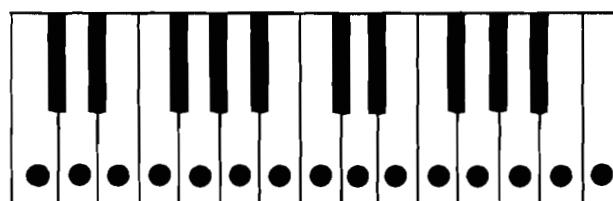
Key of C Major

C Major Scale in One Octave



Scale Tones = C D E F G A B C
 Scale Degrees = 1 2 3 4 5 6 7 8

C Major Scale in Two Octaves



Scale Tones = C D E F G A B C D E F G A B C
 Scale degrees = 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

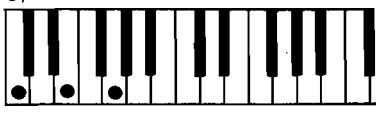
C

G
E
C

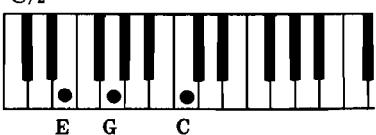
Cm

G
E \flat
C

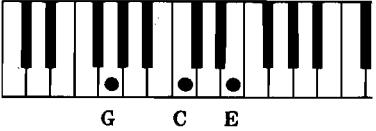
C/R



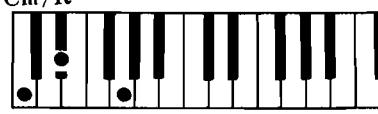
C/2



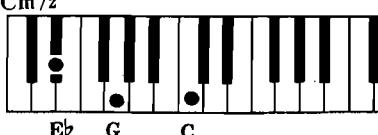
C/3



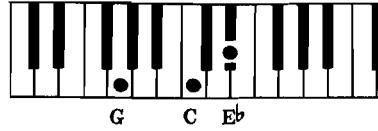
Cm/R



Cm/2



Cm/3



C+5

G \sharp
E
C

C-5

E \flat
C

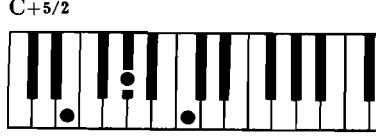
Cdim

E \flat
C

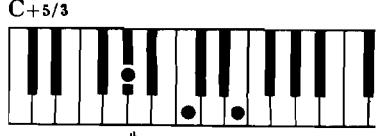
C+5/R



C+5/2



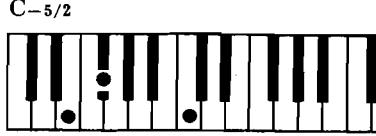
C+5/3



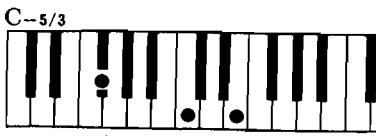
C-5/R



C-5/2



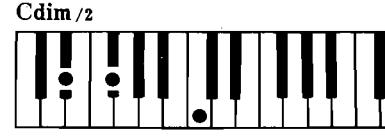
C-5/3



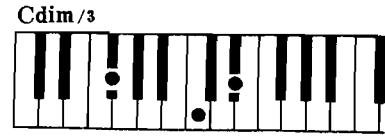
Cdim/R



Cdim/2



Cdim/3



Cmaj 7

B
G
E
C

Keyboard Diagram:

- Top row: C E G B
- Second row: E G B C
- Third row: G B C E
- Fourth row: B C E G

C7

B^b
G
E
C

Keyboard Diagram:

- Top row: C E G B^b
- Second row: E G B^b C
- Third row: G B^b C E
- Fourth row: B^b C E G

Cm 7

B^b
G
E
C

Keyboard Diagram:

- Top row: C E^b G B^b
- Second row: E^b G B^b C
- Third row: G B^b C E^b
- Fourth row: B^b C E^b G

C6

A
G
E
C

Keyboard Diagram:

- Top row: C E G A
- Second row: E G A C
- Third row: G A C E
- Fourth row: A C E G

Cm6

A^b
G^b
E^b
C

Keyboard Diagram:

- Top row: C E^b G A
- Second row: E^b G A C
- Third row: G A C E^b
- Fourth row: A C E^b G

Cdim7

B^{bb}
G^b
E^b
C

Keyboard Diagram:

- Top row: C E^b G^b B^{bb}
- Second row: E^b G^b B^{bb} C
- Third row: G^b B^{bb} C E^b
- Fourth row: B^{bb} C E^b G^b

Cm7-5

B^b
G^b
E
C

Keyboard Diagram:

- Top row: C E^b G^b B^b
- Second row: E^b G^b B^b C
- Third row: G^b B^b C E^b
- Fourth row: B^b C E^b G^b

C7+5

B^b
G[#]
E
C

Keyboard Diagram:

- Top row: C E G[#] B^b
- Second row: E G[#] B^b C
- Third row: G[#] B^b C E
- Fourth row: B^b C E G[#]

C7-5

B^b
G
E
C

Keyboard Diagram:

- Top row: C E G^b B^b
- Second row: E G^b B^b C
- Third row: G^b B^b C E
- Fourth row: B^b C E G^b

<p>C7sus4</p> <p></p> <p></p> <p></p> <p></p>	<p>CM 7, b 3</p> <p></p> <p></p> <p></p> <p></p>	<p>CM 7, # 3</p> <p></p> <p></p> <p></p> <p></p>
<p>Cmaj 9</p> <p></p> <p></p> <p></p> <p></p>	<p>C9</p> <p></p> <p></p> <p></p> <p></p>	<p>C9+5</p> <p></p> <p></p> <p></p> <p></p>
<p>C9-5</p> <p></p> <p></p> <p></p> <p></p>	<p>Cm9</p> <p></p> <p></p> <p></p> <p></p>	<p>Cm9+5</p> <p></p> <p></p> <p></p> <p></p>

Cm 9-5

Treble clef notes: D, B, G, E, C
Bass clef notes: F, D, B, G, E, C

E♭ G♭ B♭ D
G♭ B♭ D♭ E♭
B♭ D♭ G♭
D♭ G♭ B♭

C7, b9

Treble clef notes: D, B, G, E, C
Bass clef notes: D, B, G, E, C

E G B♭ D♭
G B♭ D♭ E
B♭ D♭ E G
D♭ E G B♭

C11

Treble clef notes: F, D, B, G, E, C
Bass clef notes: F, D, B, G, E, C

G B♭ D F
B♭ D F G
D F G B♭
F G B♭ D

C11, b 9

Treble clef notes: F, D, B, G, E, C
Bass clef notes: F, D, B, G, E, C

G B♭ D F
B♭ D F G
D♭ F G B♭
F G B♭ D

C11 # 5

Treble clef notes: F, D, B, G, E, C
Bass clef notes: F, D, B, G, E, C

G♯ B♭ D F
B♭ D F G♯
D F G♯ B♭
F G♯ B♭ D

C13

Treble clef notes: A, F, D, B, G, E, C
Bass clef notes: A, F, D, B, G, E, C

B♭ D F A
D F A B♭
F A B♭ D
A B♭ D F

C13, b 9

Treble clef notes: A, F, D, B, G, E, C
Bass clef notes: A, F, D, B, G, E, C

B♭ D F A
D F A B♭
F A B♭ D
A B♭ D F

C7, 6

Treble clef notes: B♭, A, G, E, C
Bass clef notes: B♭, A, G, E, C

E G A B♭
G A B♭ E
A B♭ E G
B♭ E G A

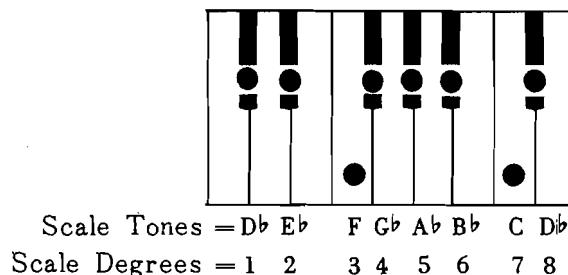
C6, 9

Treble clef notes: D, A, G, E, C
Bass clef notes: D, A, G, E, C

E G A D
G A D E
A D E G
D E G A

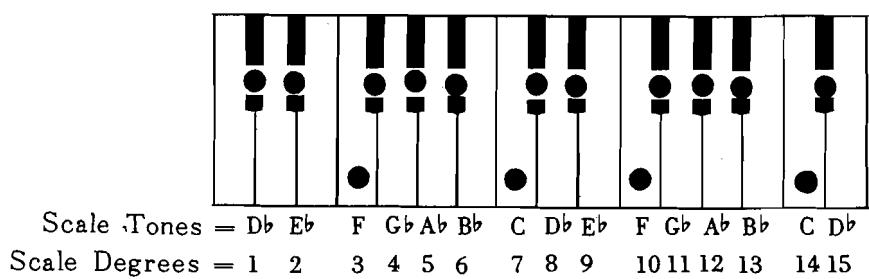
Key of D♭ Major (identical to C♯)

D♭ Major Scale in One Octave



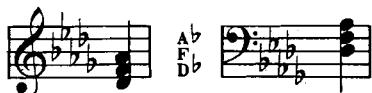
Musical notation for the D♭ Major scale in one octave, shown on two staves (treble and bass). The notes are numbered below the staff to indicate fingerings.

D♭ Major Scale in Two Octaves

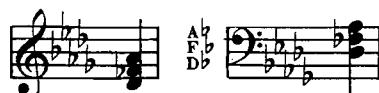


Musical notation for the D♭ Major scale in two octaves, shown on two staves (treble and bass). The notes are numbered below the staff to indicate fingerings.

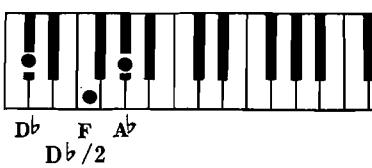
D \flat



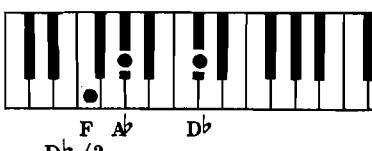
D \flat m



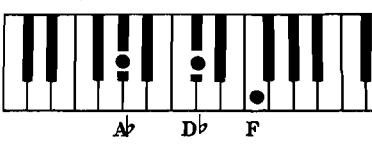
D \flat / R



D \flat / 2



D \flat / 3

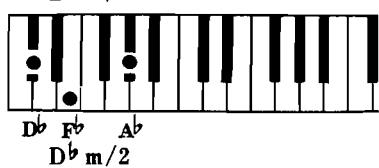


A \flat

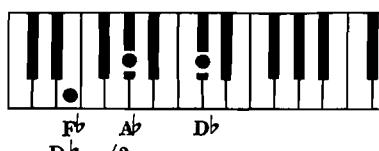
D \flat

F

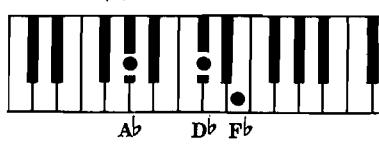
D \flat m / R



D \flat m / 2



D \flat m / 3



A \flat

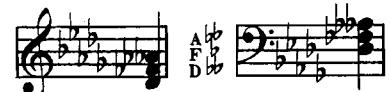
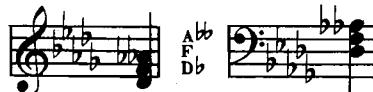
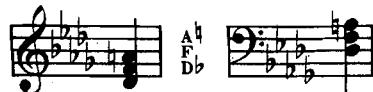
D \flat

F \flat

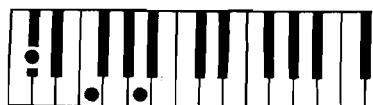
D \flat +5

D \flat -5

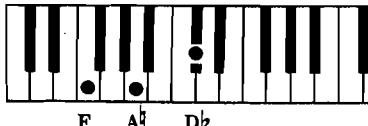
D \flat dim



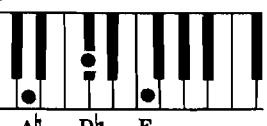
D \flat +5/R



D \flat +5/2



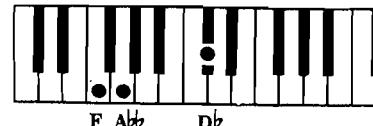
D \flat +5/3



D \flat -5/R



D \flat -5/2



D \flat -5/3



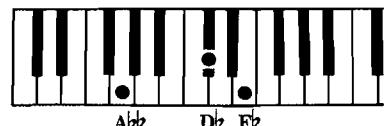
D \flat dim / R



D \flat dim / 2



D \flat dim / 3



D^b maj⁷

Chords shown: C^b, F, D^b

Piano keys highlighted: D^b, F, A^b, C

Keyboard diagram labels: F, A^b, C, D^b

Keyboard diagram labels: A^b, C, D^b, F

Keyboard diagram labels: C, D^b, F, A^b

D^b 7

Chords shown: C^b, F, D^b

Piano keys highlighted: D^b, F, A^b, C^b

Keyboard diagram labels: F, A^b, C^b, D^b

Keyboard diagram labels: A^b, C^b, D^b, F

Keyboard diagram labels: C^b, D^b, F, A^b

D^b m⁷

Chords shown: C^b, F, D^b

Piano keys highlighted: D^b, F, A^b, C^b

Keyboard diagram labels: F, A^b, C^b

Keyboard diagram labels: A^b, C^b, D^b

Keyboard diagram labels: A^b, C^b, D^b, F^b

Keyboard diagram labels: C^b, D^b, F^b, A^b

D^b

Chords shown: B^b, A^b, F, D^b

Piano keys highlighted: D^b, F, A^b, B^b

Keyboard diagram labels: F, A^b, B^b, D^b

Keyboard diagram labels: A^b, B^b, D^b, F

Keyboard diagram labels: B^b, D^b, F, A^b

D^b m⁶

Chords shown: B^b, A^b, F, D^b

Piano keys highlighted: D^b, F, A^b, B^b

Keyboard diagram labels: F, A^b, B^b, D^b

Keyboard diagram labels: A^b, B^b, D^b, F^b

Keyboard diagram labels: B^b, D^b, F^b, A^b

D^b dim⁷

Chords shown: C^b, A^b, F, D^b

Piano keys highlighted: D^b, F, A^b, C^b

Keyboard diagram labels: F, A^b, C^b, D^b

Keyboard diagram labels: A^b, C^b, D^b, F^b

Keyboard diagram labels: C^b, D^b, F^b, A^b

D^b m⁷⁻⁵

Chords shown: C^b, A^b, F, D^b

Piano keys highlighted: D^b, F, A^b, C^b

Keyboard diagram labels: F, A^b, C^b, D^b

Keyboard diagram labels: A^b, C^b, D^b, F^b

Keyboard diagram labels: C^b, D^b, F^b, A^b

D^b 7+5

Chords shown: C^b, A^b, F, D^b

Piano keys highlighted: D^b, F, A^b, C^b

Keyboard diagram labels: F, A^b, C^b, D^b

Keyboard diagram labels: A^b, C^b, D^b, F

Keyboard diagram labels: C^b, D^b, F, A^b

D^b 7-5

Chords shown: C^b, A^b, F, D^b

Piano keys highlighted: D^b, F, A^b, C^b

Keyboard diagram labels: F, A^b, C^b, D^b

Keyboard diagram labels: A^b, C^b, D^b, F

Keyboard diagram labels: C^b, D^b, F, A^b

D ^b sus 4			
D ^b G ^b A ^b C ^b	D ^b F ^b A ^{bb} C	D ^b F ^b A ^{bb} C	
G ^b A ^b C ^b D ^b	F ^b A ^{bb} C D ^b	F ^b A ^{bb} C D ^b	
A ^b C ^b D ^b G ^b	A ^{bb} C D ^b F ^b	A ^{bb} C D ^b F ^b	
C ^b D ^b G ^b A ^b	C D ^b F ^b A ^{bb}	C D ^b F ^b A ^{bb}	
D ^b M a j 9			
F A ^b C E ^b	F A ^b C E ^b	F A ^b C E ^b	
A ^b C E ^b F	A ^b C E ^b F	A ^b C E ^b F	
C E ^b F A ^b	C E ^b F A ^b	C E ^b F A ^b	
E ^b F A ^b C	E ^b F A ^b C	E ^b F A ^b C	
D ^b 9-5			
F A ^{bb} C ^b E ^b	F ^b A ^b C ^b E ^b	F ^b A ^b C ^b E ^b	
A ^{bb} C ^b E ^b F	A ^b C ^b E ^b F	A ^b C ^b E ^b F	
C ^b E ^b F A ^{bb}	C ^b E ^b F A ^{bb}	C ^b E ^b F A ^{bb}	
E ^b F A ^{bb} C ^b	E ^b F A ^{bb} C ^b	E ^b F A ^{bb} C ^b	

34

D^b m₉-5

E^b
C^b
A^b
F^b
D^b

F^b A^b C^b E^b

A^b C^b E^b F^b

C^b E^b F^b A^b

E^b F^b A^b C^b

D^b 7, b₉

E^b
C^b
A^b
F^b
D^b

F A^b C^b E^b

A^b C^b E^b F

C^b E^b F A^b

E^b F A^b C^b

D^b 11, b₉

G^b
E^b
C^b
A^b
F^b
D^b

A^b C^b E^b G^b

C^b E^b G^b A^b

E^b G^b A^b C^b

G^b A^b C^b E^b

D^b 11, #5

G^b
E^b
C^b
A^b
F^b
D^b

A^b C^b E^b G^b

C^b E^b G^b A^b

E^b G^b A^b C^b

G^b A^b C^b E^b

D^b 13

B^b
G^b
E^b
C^b
A^b
F^b
D^b

C^b E^b G^b B^b

E^b G^b B^b C^b

G^b B^b C^b E^b

B^b C^b E^b G^b

D^b 13, b₉

B^b
G^b
E^b
C^b
A^b
F^b
D^b

C^b E^b G^b B^b

E^b G^b B^b C^b

G^b B^b C^b E^b

B^b C^b E^b G^b

D^b 7, 6

C^b
B^b
A^b
F^b
D^b

F A^b B^b C^b

A^b B^b C^b F

B^b C^b F A^b

C^b F A^b B^b

D^b 6, 9

E^b
B^b
A^b
F^b
D^b

F A^b B^b E^b

A^b B^b E^b F

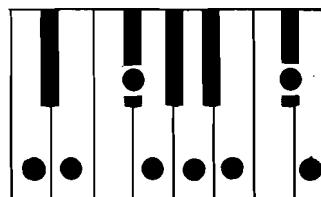
B^b E^b F A^b

E^b F A^b B^b

E^b F A^b B^b

Key of D Major

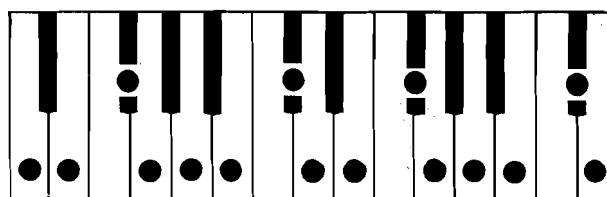
D Major Scale in One Octave



Scale Tones = D E F♯ G A B C♯ D

Scale Degrees = 1 2 3 4 5 6 7 8

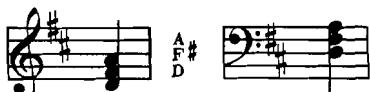
D Major Scale in Two Octaves



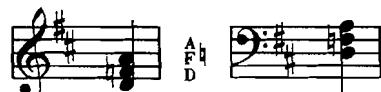
Scale Tones = D E F♯ G A B C♯ D E

Scale Degrees = 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

D



Dm



D/R



D F# A
D/2



D/3



A D F#

Dm/R



D F# A
Dm/2

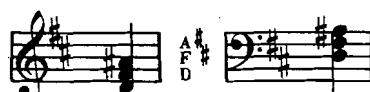


Dm/3

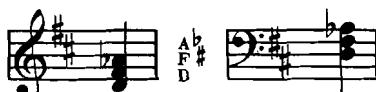


A D F#

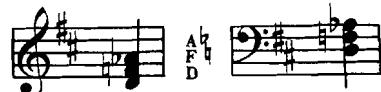
D+5



D-5



Ddim



D+5/R



D+5/2



D+5/3



A# D F#

D-5/R



D-5/2



F# A# D



A# D F#

D dim/R



D dim/2



F# A# D



A# D F#

Dmaj7

Chord notation: C^{\sharp} A F^{\sharp} D

Piano keys highlighted: D, F \sharp , A, C \sharp

Keyboard diagram labels: D, F \sharp , A, C \sharp

Keyboard diagram labels: F \sharp , A, C \sharp , D

Keyboard diagram labels: A, C \sharp , D, F \sharp

Keyboard diagram labels: C \sharp , D, F \sharp , A

D7

Chord notation: C^{\sharp} A F^{\sharp} D

Piano keys highlighted: D, F \sharp , A, C \sharp

Keyboard diagram labels: D, F \sharp , A, C \sharp

Keyboard diagram labels: F \sharp , A, C \sharp , D

Keyboard diagram labels: A, C \sharp , D, F \sharp

Keyboard diagram labels: C \sharp , D, F \sharp , A

Dm7

Chord notation: C^{\flat} A F^{\flat} D

Piano keys highlighted: D, F \flat , A, C \flat

Keyboard diagram labels: D, F \flat , A, C \flat

Keyboard diagram labels: F \flat , A, C \flat , D

Keyboard diagram labels: A, C \flat , D, F \flat

Keyboard diagram labels: C \flat , D, F \flat , A

D6

Chord notation: B A F^{\sharp} D

Piano keys highlighted: D, F \sharp , A, B

Keyboard diagram labels: D, F \sharp , A, B

Keyboard diagram labels: F \sharp , A, B, D

Keyboard diagram labels: A, B, D, F \sharp

Keyboard diagram labels: B, D, F \sharp , A

Dm6

Chord notation: B A F^{\flat} D

Piano keys highlighted: D, F \flat , A, B

Keyboard diagram labels: D, F \flat , A, B

Keyboard diagram labels: F \flat , A, B, D

Keyboard diagram labels: A, B, D, F \flat

Keyboard diagram labels: B, D, F \flat , A

Ddim7

Chord notation: C^{\flat} A F^{\flat} D

Piano keys highlighted: D, F \flat , A \flat , C \flat

Keyboard diagram labels: D, F \flat , A \flat , C \flat

Keyboard diagram labels: F \flat , A \flat , C \flat , D

Keyboard diagram labels: A \flat , B, D, F \flat

Keyboard diagram labels: B, D, F \flat , A \flat

Dm7-5

Chord notation: C^{\flat} A F^{\flat} D

Piano keys highlighted: D, F \flat , A \flat , C \flat

Keyboard diagram labels: D, F \flat , A \flat , C \flat

Keyboard diagram labels: F \flat , A \flat , C \flat , D

Keyboard diagram labels: A \flat , C \flat , D, F \flat

Keyboard diagram labels: C \flat , D, F \flat , A \flat

D7+5

Chord notation: C^{\sharp} A F^{\sharp} D

Piano keys highlighted: D, F \sharp , A \sharp , C \sharp

Keyboard diagram labels: D, F \sharp , A \sharp , C \sharp

Keyboard diagram labels: F \sharp , A \sharp , C \sharp , D

Keyboard diagram labels: A \sharp , C \sharp , D, F \sharp

Keyboard diagram labels: C \sharp , D, F \sharp , A \sharp

D7-5

Chord notation: C^{\flat} A F^{\flat} D

Piano keys highlighted: D, F \flat , A \flat , C \flat

Keyboard diagram labels: D, F \flat , A \flat , C \flat

Keyboard diagram labels: F \flat , A \flat , C \flat , D

Keyboard diagram labels: A \flat , C \flat , D, F \flat

Keyboard diagram labels: C \flat , D, F \flat , A \flat

D7sus4

C
A
G
D

D G A C

G A C D

A C D G

C D G A

DM7

C
A
F#
D

D F# A C#

F# A C# D

A C# D F#

C# D F# A

DM7

C
A
F#
D

D F# A C#

F# A C# D

A C# D F#

C# D F# A

Dmaj9

E
C#
A
F#
D

F# A C# E

A C# E F#

C# E F# A

E F# A C#

D9

E
C#
A
F#
D

F# A C# E

A C# E F#

C# E F# A

E F# A C#

D9-16

E
C#
A
F#
D

F# A C# E

A C# E F#

C# E F# A

E F# A C#

D9-5

E
C#
A
F#
D

F# A C# E

A C# E F#

C# E F# A

E F# A C#

Dm9

E
C#
A
F#
D

F# A C# E

A C# E F#

C# E F# A

E F# A C#

Dm9+5

E
C#
A
F#
D

F# A C# E

A C# E F#

C# E F# A

E F# A C#

Dm₉₋₅

F# A C E

A C E F#

C E F# A

E F# A C

D11, b₉

A C E G

C E G A

E G A C

G A C E

D13, b₉

C E G B

E G B C

G B C E

B C E G

D7, b₉

F# A C E

A C E F#

C E F# A

E F# A C

D11, #₅

A C E G

C E G A

E G A C

G A C E

D7, 6

F# A C E

A C E F#

C E F# A

E F# A C

D11

A C E G

C E G A

E G A C

G A C E

D13

C E G B

E G B C

G B C E

B C E G

D6, 9

F# A C E

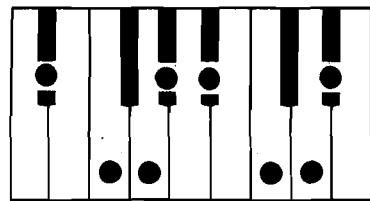
A C E F#

C E F# A

E F# A C

Key of E^b Major

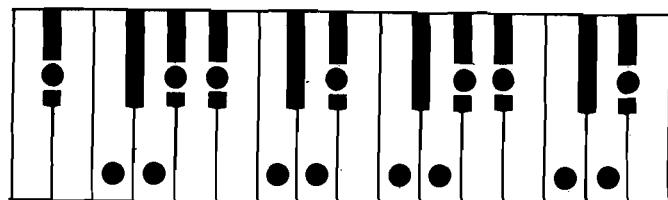
E^b Major Scale in One Octave



Scale Tones = E^b F G A^b B^b C D E^b

Scale Degrees = 1 2 3 4 5 6 7 8

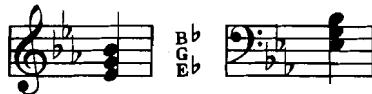
E^b Major Scale in Two Octaves



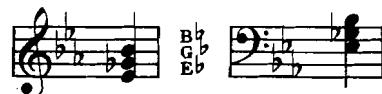
Scale Tones = E^b F G A^b B^b C D E^b F G A^b B^b C D E^b

Scale Degrees = 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

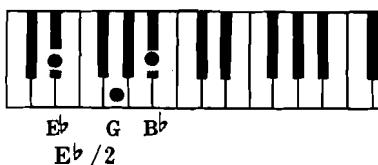
E^b



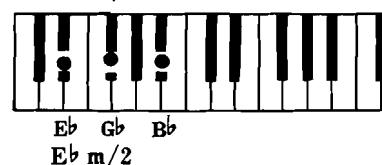
E^b m



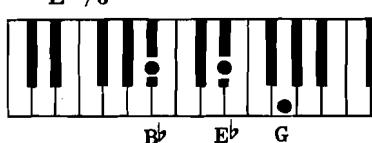
E^b / R



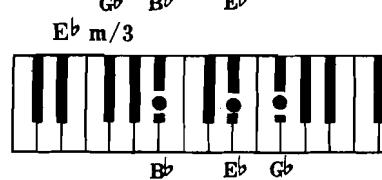
E^b m / R



E^b / 3



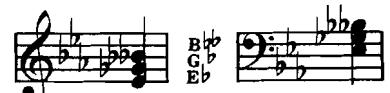
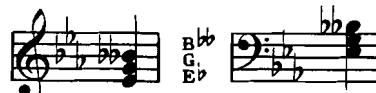
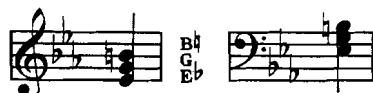
E^b m / 3



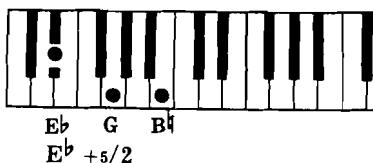
E^b +5

E^b -5

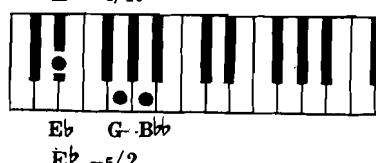
E^b dim



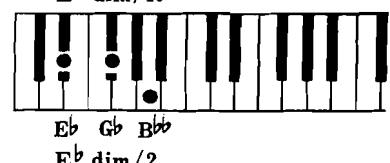
E^b +5/R



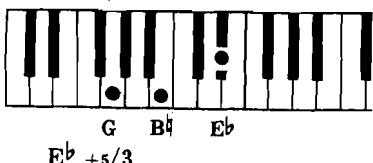
E^b -5/R



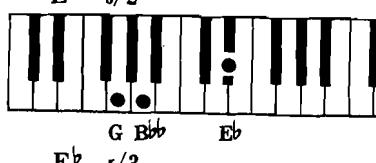
E^b dim/R



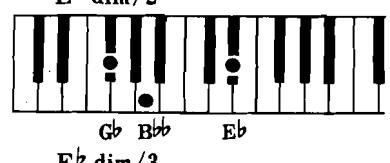
E^b +5/3



E^b -5/3



E^b dim/3



B, E, G

B, E, G

B, E, G

42

E♭ maj 7

8va

E♭ G B♭ D

G B♭ D♭ E♭

B♭ D♭ E♭ G

D♭ E♭ G B♭

8va

E♭ 6

8va

E♭ G B♭ C

G B♭ C E♭

B♭ C E♭ G

C E♭ G B♭

8va

E♭ m7-5

E♭ G♭ B♭ D♭

G♭ B♭ D♭ E♭

B♭ D♭ E♭ G♭

D♭ E♭ G♭ B♭

8va

E♭ 7

8va

E♭ G B♭ D♭

G B♭ D♭ E♭

B♭ D♭ E♭ G

D♭ E♭ G B♭

8va

E♭ m6

8va

E♭ G♭ B♭ C

G♭ B♭ C E♭

B♭ C E♭ G♭

C E♭ G♭ B♭

8va

E♭ 7+5

8va

E♭ G B♭ D♭

G B♭ D♭ E♭

B♭ D♭ E♭ G

D♭ E♭ G B♭

8va

E♭ m7

8va

E♭ G B♭ D♭

G B♭ D♭ E♭

B♭ D♭ E♭ G

D♭ E♭ G B♭

8va

E♭ dim 7

8va

D♭ G B♭ E♭

G B♭ D♭ E♭

D♭ E♭ G B♭

E♭ G B♭ D♭

8va

E♭ 7-5

8va

E♭ G B♭ D♭

G B♭ D♭ E♭

B♭ D♭ E♭ G

D♭ E♭ G B♭

8va

<p>E♭ sus 4</p> <p>8va</p> <p>D_b B_b A_b E_b</p>	<p>E♭ M7, b3</p> <p>8va</p> <p>D_b B_b G_b E_b</p>	<p>E♭ M7, #3</p> <p>8va</p> <p>D_b B_b G_b E_b</p>
<p>E♭ A♭ B♭ D♭</p>	<p>E♭ G♭ B♭ D</p>	<p>E♭ G♭ B♯ D</p>
<p>A♭ B♭ D♭ E♭</p>	<p>G♭ B♭ D E♭</p>	<p>G♭ B♭ D E♭</p>
<p>B♭ D♭ E♭ A♭</p>	<p>B♭ D, E♭ G♭</p>	<p>B♭ D, E♭ G♭</p>
<p>D♭ E♭ A♭ B♭</p>	<p>D, E♭ G♭ B♭</p>	<p>D, E♭ G♭ B♭</p>
<p>E♭ maj 9</p> <p>8va</p> <p>F D_b G E_b</p>		
<p>G B♭ D F</p>	<p>G B♭ D F</p>	<p>G B♯ D F</p>
<p>B♭ D F G</p>	<p>B♭ D, F G</p>	<p>B♯ D, F G</p>
<p>D F G B♭</p>	<p>D, F G B♭</p>	<p>D, F G B♯</p>
<p>F G B♭ D</p>	<p>F G B♭ D</p>	<p>F G B♯ D</p>
<p>E♭ 9+5</p> <p>8va</p> <p>F D_b G E_b</p>		
<p>G B♭ D F</p>	<p>G B♭ D F</p>	<p>G B♯ D F</p>
<p>B♭ D F G</p>	<p>B♭ D, F G</p>	<p>B♯ D, F G</p>
<p>D F G B♭</p>	<p>D, F G B♭</p>	<p>D, F G B♯</p>
<p>F G B♭ D</p>	<p>F G B♭ D</p>	<p>F G B♯ D</p>
<p>E♭ m 9</p> <p>8va</p> <p>F D_b G E_b</p>		
<p>G B♭ D F</p>	<p>G B♭ D F</p>	<p>G B♯ D F</p>
<p>B♭ D F G</p>	<p>B♭ D, F G</p>	<p>B♯ D, F G</p>
<p>D F G B♭</p>	<p>D, F G B♭</p>	<p>D, F G B♯</p>
<p>F G B♭ D</p>	<p>F G B♭ D</p>	<p>F G B♯ D</p>
<p>E♭ m 9+5</p> <p>8va</p> <p>F D_b G E_b</p>		
<p>G B♭ D F</p>	<p>G B♭ D F</p>	<p>G B♯ D F</p>
<p>B♭ D F G</p>	<p>B♭ D, F G</p>	<p>B♯ D, F G</p>
<p>D F G B♭</p>	<p>D, F G B♭</p>	<p>D, F G B♯</p>
<p>F G B♭ D</p>	<p>F G B♭ D</p>	<p>F G B♯ D</p>
<p>43</p>		

44

8va

E♭ m 9-5

G♭ B♭ D♭ F

B♭ D♭ F G♭

D♭ F G♭ B♭

F G♭ B♭ D♭

8va

E♭ 11, b 9

B♭ D♭ F A♭

D♭ F A♭ B♭

F A♭ B♭ D♭

A♭ B♭ D♭ F

8va

E♭ 13, b 9

D♭ F A♭ C

F A♭ C D♭

A♭ C D♭ F

C D♭ F A♭

8va

8va

E♭ 7, b 9

G B♭ D♭ F

B♭ D♭ F G

D♭ F G B♭

F G B♭ D♭

8va

E♭ 11, # 5

B♭ D♭ F A♭

D♭ F A♭ B♭

F A♭ B♭ D♭

A♭ B♭ D♭ F

8va

E♭ 7, 6

G B♭ C D♭

B♭ C D♭ G

C D♭ G B♭

D♭ G B♭ C

8va

8va

E♭ 11

B♭ D♭ F A♭

D♭ F A♭ B♭

F A♭ B♭ D♭

A♭ B♭ D♭ F

8va

E♭ 13

D♭ F A♭ C

F A♭ C D♭

A♭ C D♭ F

C D♭ F A♭

8va

E♭ 6, 9

G B♭ C F

B♭ C F G

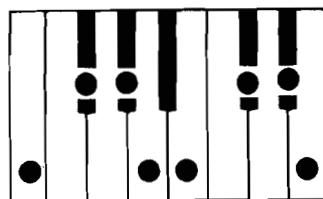
C F G B♭

F G B♭ C

8va

Key of E Major

E Major Scale in One Octave

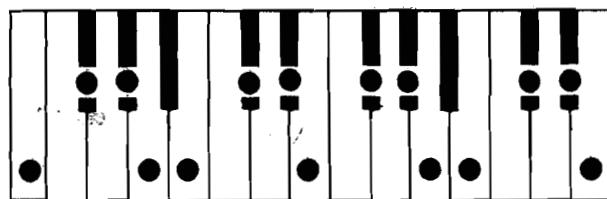


Scale Tones = E F# G# A B C# D# E

Scale Degrees = 1 2 3 4 5 6 7 8

Fingerings for the treble staff: 1 2 3 1 | 2 3 4 5 | 4 3 2 1 | 3 2 1
 Fingerings for the bass staff: 5 4 3 2 | 1 3 2 1 | 2 3 1 2 | 3 4 5

E Major Scale in Two Octaves

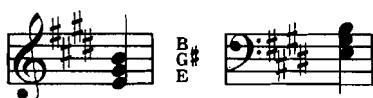


Scale Tones = E F# G# A B C# D# E F# G# A B C# D# E

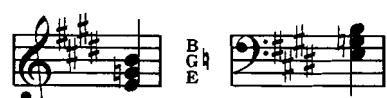
Scale Degrees = 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Fingerings for the treble staff: 1 2 3 1 2 3 4 1 | 2 3 1 2 3 4 5 4 | 3 2 1 3 2 1 4 3 | 2 1 3 2 1
 Fingerings for the bass staff: 5 4 3 2 1 3 2 1 | 4 3 2 1 3 2 1 2 | 3 1 2 3 4 1 2 3 | 1 2 3 4 5

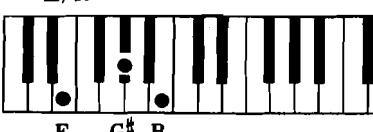
E



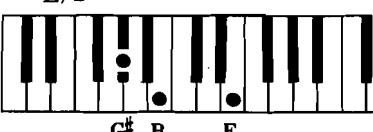
Em



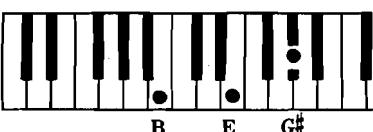
E/R



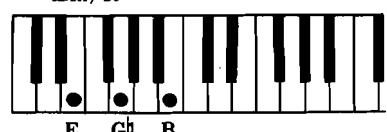
E/2



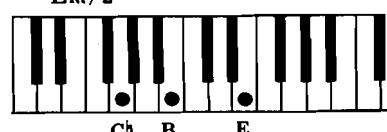
E/3



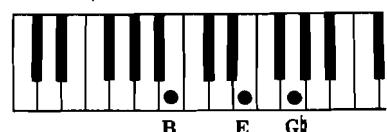
Em/R



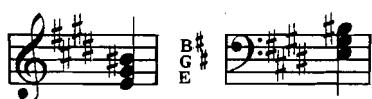
Em/2



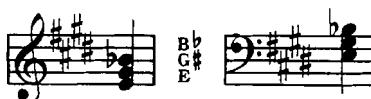
Em/3



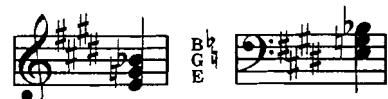
E+5



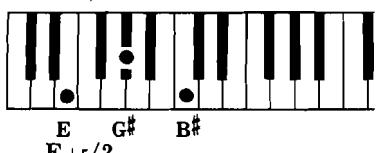
E-5



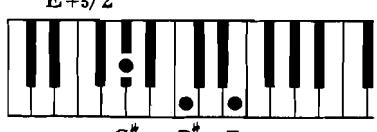
Edim



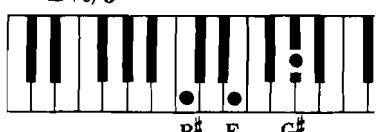
E+5/R



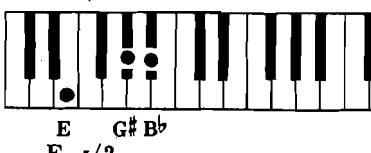
E+5/2



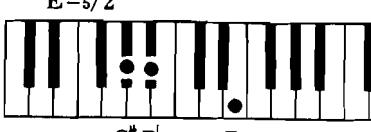
E+5/3



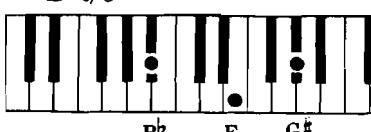
E-5/R



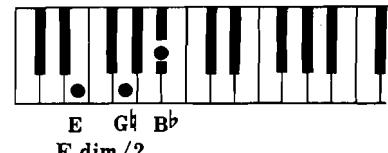
E-5/2



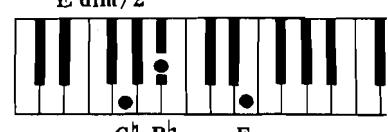
E-5/3



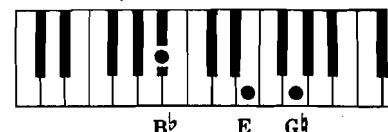
E dim/R



E dim/2



E dim/3



Emaj 7

D[#]
B
G[#]
E

E G# B D#
G# B D# E
B D# E G#
D# E G# B

E7

D[#]
B
G[#]
E

E G# B D#
G# B D# E
B D# E G#
D# E G# B

Em 7

D^b
B
G[#]
E

E G# B D#
G# B D# E
B D# E G#
D# E G# B

E6

C[#]
B
G[#]
E

E G# B C#
G# B C# E
B C# E G#
C# E G# B

Em 6

C[#]
B
G[#]
E

E G# B C#
G# B C# E
B C# E G#
C# E G# B

Edim 7

D^b
B
G[#]
E

E G# B D#
G# B D# E
B D# E G#
D# E G# B

Em 7-5

D^b
B
G[#]
E

E G# B D#
G# B D# E
B D# E G#
D# E G# B

E 7+5

D[#]
B
G[#]
E

E G# B D#
G# B D# E
B D# E G#
D# E G# B

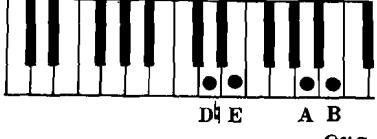
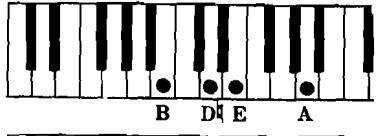
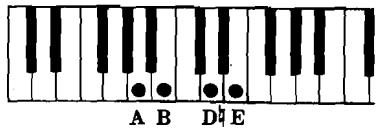
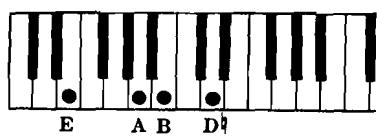
E 7-5

D^b
B
G[#]
E

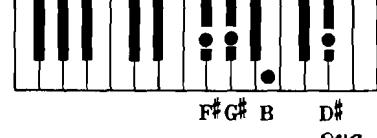
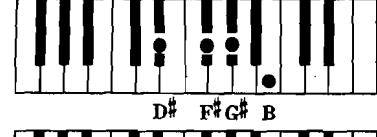
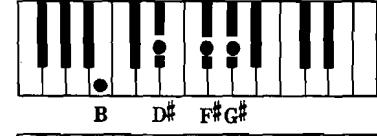
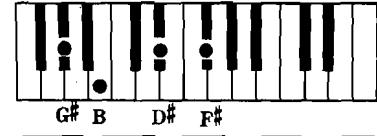
E G# B D#
G# B D# E
B D# E G#
D# E G# B

48

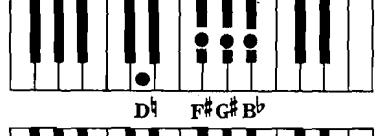
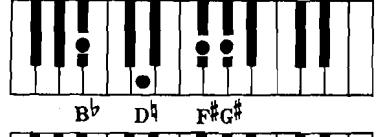
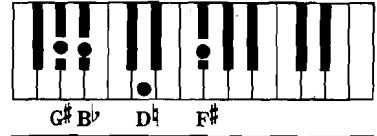
E₇ sus 4



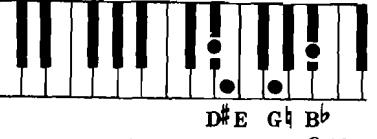
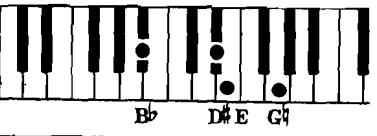
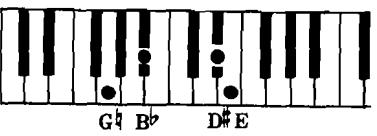
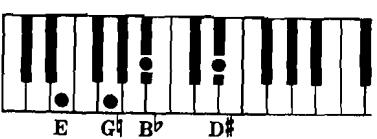
Emaj₉



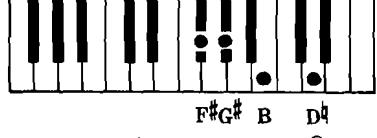
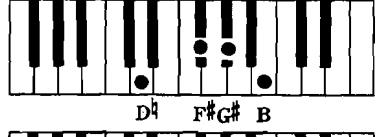
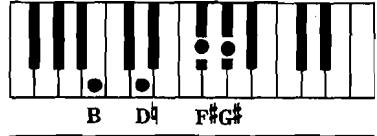
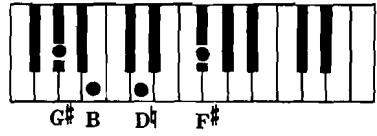
E₉₋₅



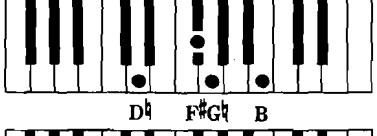
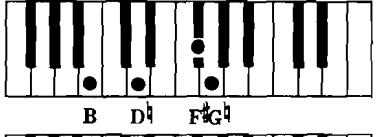
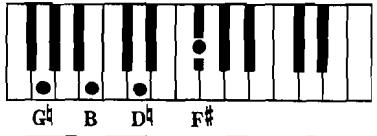
EM₇, b₃



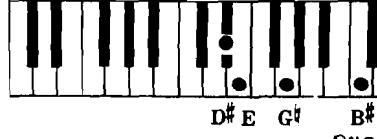
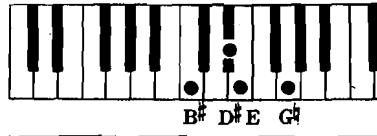
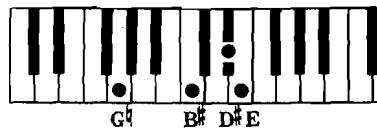
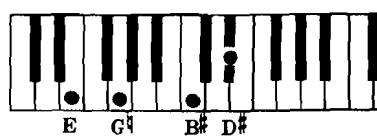
E₉



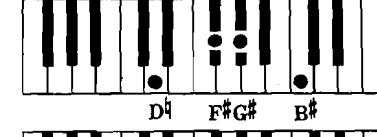
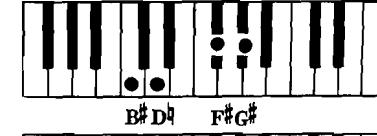
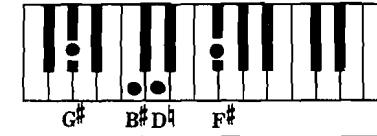
Em₉



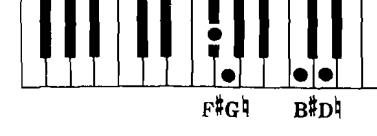
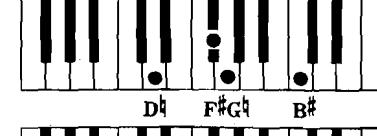
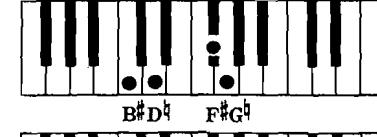
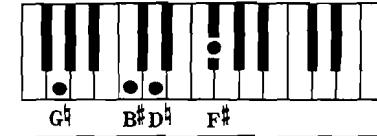
EM₇, b₃



E₉₊₅



Em₉₊₅



E m9-5

8va

Keyboard fingering:

- Top staff: G, B, D, F#
- Middle staff: B, D, F#G
- Bottom staff: D, F#G, B

E 7, b, 9

8va

Keyboard fingering:

- Top staff: G#, B, D, F
- Middle staff: B, D, F, G#
- Bottom staff: D, F, G#, B

F# G# B, D, 8va

E 11, b, 9

8va

Keyboard fingering:

- Top staff: B, D, F, A
- Middle staff: D, F, A, B
- Bottom staff: F, A, B, D

A B, D, F, 8va

E 13

8va

Keyboard fingering:

- Top staff: C#, A, F, D, B, G, E
- Middle staff: D, F, A, C#, D
- Bottom staff: F, A, C#, D

C, D, F, A, 8va

E 7, 6

8va

Keyboard fingering:

- Top staff: G#, B, C, D
- Middle staff: B, C, D, G#
- Bottom staff: C, D, G#, B

G, B, C, D, 8va

E 6, 9

8va

Keyboard fingering:

- Top staff: G#, B, C, F
- Middle staff: B, C, F, G#
- Bottom staff: C, F, G#, B

G, B, C, F, 8va

E 11

8va

Keyboard fingering:

- Top staff: A, F, D, B, G, E
- Middle staff: B, D, F, A
- Bottom staff: D, F, A, B

F, A, B, D, 8va

E 13

8va

Keyboard fingering:

- Top staff: C#, A, F, D, B, G, E
- Middle staff: D, F, A, C#, D
- Bottom staff: F, A, C#, D

C, D, F, A, 8va

E 7, 6

8va

Keyboard fingering:

- Top staff: G#, B, C, D
- Middle staff: B, C, D, G#
- Bottom staff: C, D, G#, B

G, B, C, D, 8va

E 6, 9

8va

Keyboard fingering:

- Top staff: G#, B, C, F
- Middle staff: B, C, F, G#
- Bottom staff: C, F, G#, B

G, B, C, F, 8va

49

E 11

8va

Keyboard fingering:

- Top staff: A, F, D, B, G, E
- Middle staff: B, D, F, A
- Bottom staff: D, F, A, B

F, A, B, D, 8va

E 13

8va

Keyboard fingering:

- Top staff: C#, A, F, D, B, G, E
- Middle staff: D, F, A, C#, D
- Bottom staff: F, A, C#, D

C, D, F, A, 8va

E 7, 6

8va

Keyboard fingering:

- Top staff: G#, B, C, D
- Middle staff: B, C, D, G#
- Bottom staff: C, D, G#, B

G, B, C, D, 8va

E 6, 9

8va

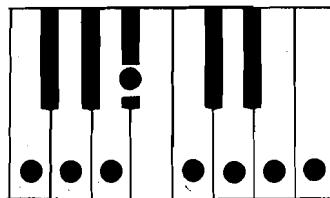
Keyboard fingering:

- Top staff: G#, B, C, F
- Middle staff: B, C, F, G#
- Bottom staff: C, F, G#, B

G, B, C, F, 8va

Key of F Major

F Major Scale in One Octave

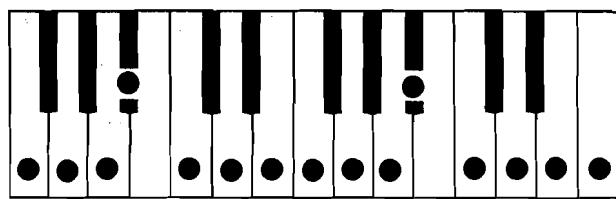


Scale Tones = F G A B_b C D E F

Scale Degrees = 1 2 3 4 5 6 7 8

A musical staff in common time (4/4) with a key signature of one flat. The melody consists of eight measures, each containing four quarter notes. The notes are numbered below the staff to indicate fingerings: 1, 2, 3, 4; 1, 2, 3, 4; 3, 2, 1, 4; 3, 2, 1. The bass staff below also has numbered fingerings: 5, 4, 3, 2; 1, 3, 2, 1; 2, 3, 2, 1; 3, 2, 1.

F Major Scale in Two Octaves

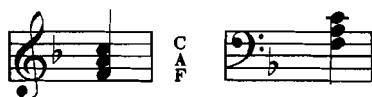


Scale Tones = F G A B_b C D E F G A B_b C D E F

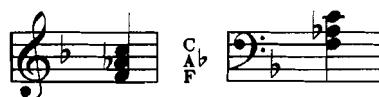
Scale Degrees = 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

A musical staff in common time (4/4) with a key signature of one flat. The melody consists of eight measures, each containing four eighth notes. The notes are numbered below the staff to indicate fingerings: 1, 2, 3, 4; 1, 2, 3, 1; 2, 3, 4, 1; 2, 3, 4, 3; 2, 1, 4, 3; 2, 1, 3, 2; 1, 4, 3, 2; 1. The bass staff below also has numbered fingerings: 5, 4, 3, 2; 1, 3, 2, 1; 4, 3, 2, 1; 3, 2, 1; 3, 1, 2, 3; 4, 1, 2, 3; 1, 2, 3, 4; 5.

F



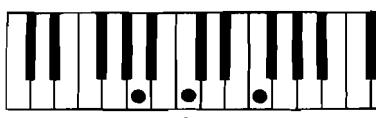
Fm



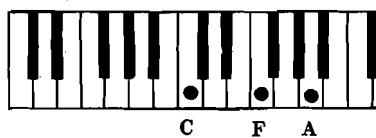
F/R



F/2



F/3



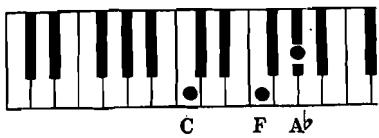
Fm/R



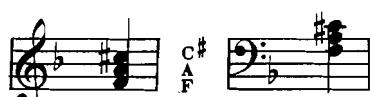
Fm/2



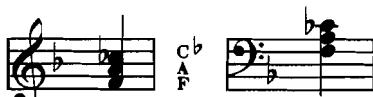
Fm/3



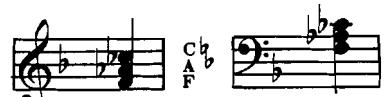
F+5



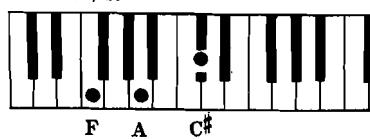
F-5



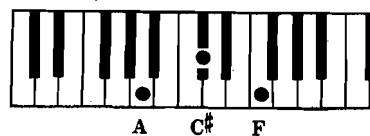
Fdim



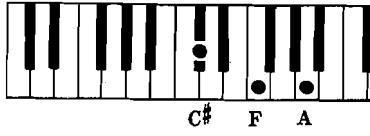
F+5/R



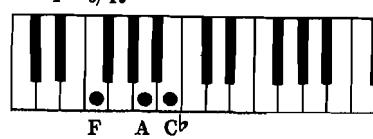
F+5/2



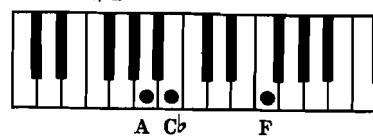
F+5/3



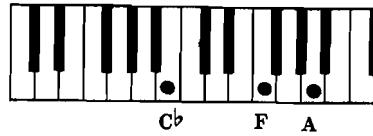
F-5/R



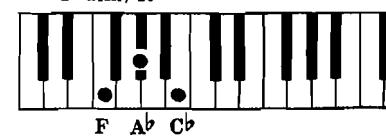
F-5/2



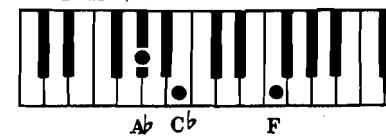
F-5/3



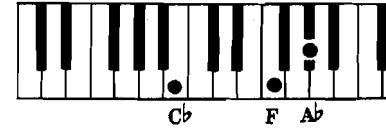
F dim/R



F dim/2

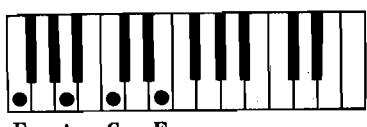


F dim/3

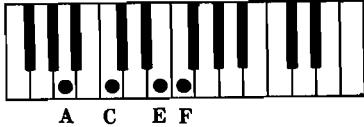


Fmaj7

8va



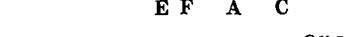
F A C E



A C E F



C E F A

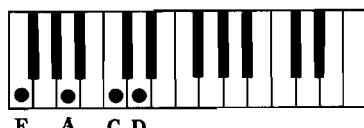


E F A C

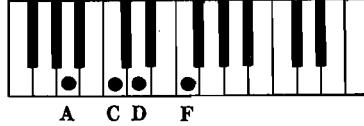
8va

F6

8va



F A C D



A C D F



C D F A

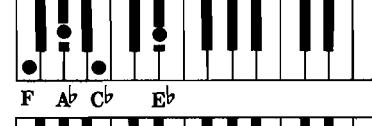


D F A C

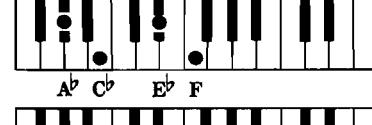
8va

Fm7-5

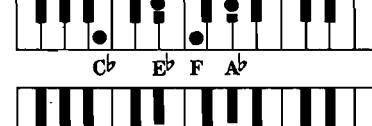
8va



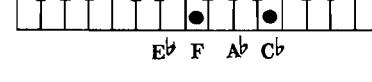
F A♭ C♭ E♭



A♭ C♭ E♭ F



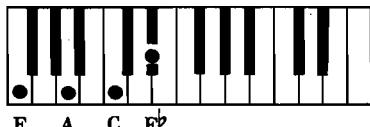
C♭ E♭ F A♭



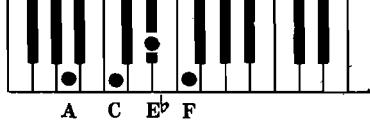
E♭ F A♭ C♭

F7

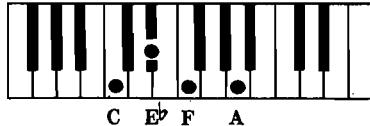
8va



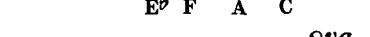
F A C E♭



A C E♭ F



C E♭ F A



E♭ F A C

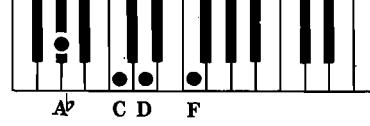
8va

Fm6

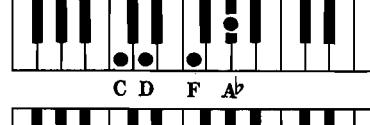
8va



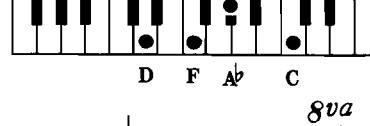
F A♭ C D



A♭ C D F



C D F A♭

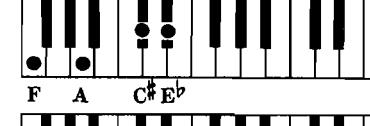


D F A♭ C

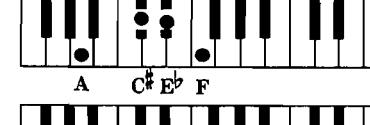
8va

C7+5

8va



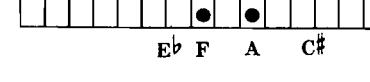
F A C♯ E♭



A C♯ E♭ F



C♯ E♭ F A



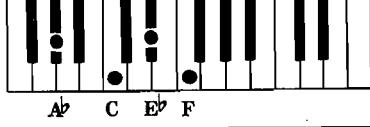
E♭ F A C♯

Fm7

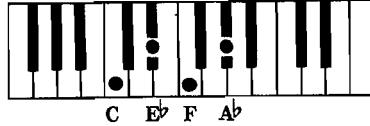
8va



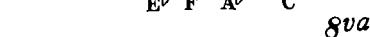
F A♭ C E♭



A♭ C E♭ F



C E♭ F A♭

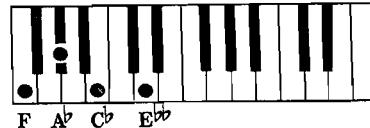


E♭ F A♭ C

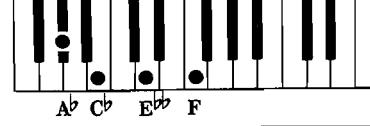
8va

Fdim7

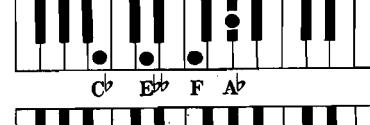
8va



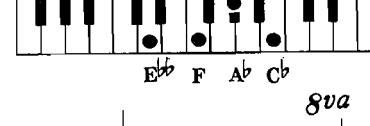
F A♭ C♭ E♭



A♭ C♭ E♭ F



C♭ E♭ F A♭

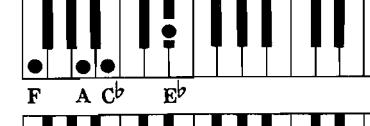


E♭ F A♭ C♭

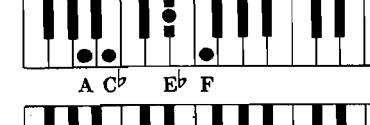
8va

F7-5

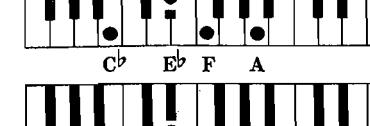
8va



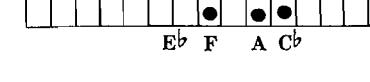
F A C♭ E♭



A C♭ E♭ F



C♭ E♭ F A



E♭ F A C♭

<p>F7sus4</p> <p>F M 7.</p> <p>F M 7.</p>		
<p>Fmaj9</p> <p>F9</p> <p>F9+5</p>		
<p>F9-5</p> <p>Fm9</p> <p>Fm9+5</p>		

54

8va

Fm 9-5

A♭ C♭ E♭ G
C♭ E♭ G A♭
E♭ G A♭ C♭

8va

F 7 9

A C E♭ G
C E♭ G A
E♭ G B♭ A
G B♭ C E♭

8va

F 11 9

C E♭ G B♭ B
E♭ G B♭ B C
G B♭ C E♭ G
B♭ C E♭ G

8va

F 11 # 5

C♯ E♭ G B♭ C♯
E♭ G B♭ C♯
G B♭ C♯ E♭
B♭ C♯ E♭ G

8va

F 13 9

B♭ C E♭ G
B♭ C E♭ G
B♭ C E♭ G
D E♭ B C E♭ G

8va

F 13 b 9

E♭ G B♭ D
G B♭ D E♭
B♭ D E♭ G
D E♭ G B♭

8va

F 7 6

A C D E♭
C D E♭ A
D E♭ A C
E♭ A C D

8va

F 11

C E♭ G B♭ B
E♭ G B♭ C
G B♭ C E♭

8va

F 13

E D C A F
E D C A F
E D C A F
E D C A F

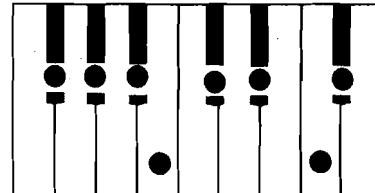
8va

F 6 9

A C D G
C D G A
D G A C
G A C D

Key of F[#] Major (identical to G^b Major)

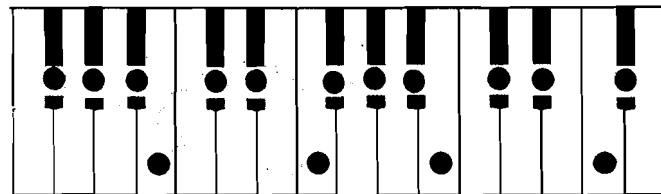
F[#] Major Scale in One Octave



Scale Tones = F[#] G[#] A[#] B C[#] D[#] E[#] F[#]

Scale Degrees = 1 2 3 4 5 6 7 8

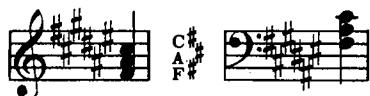
F[#] Major Scale in Two Octaves



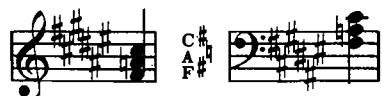
Scale Tones = F[#] G[#] A[#] B C[#] D[#] E[#] F[#] G[#] A[#] B C[#] D[#] E[#] F[#]

Scale Degrees = 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15.

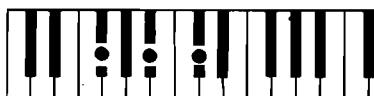
F[#]



F[#] m



F[#] / R



F[#] / 2



A# C# F#



C# F# A#

F[#] m / R



F# m / 2

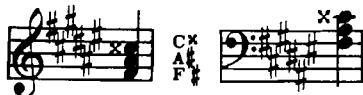


A# C# F#



C# F# A#

F[#] +5



F[#] +5/R



F# +5/2



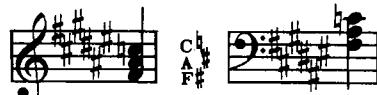
A# Cx F#

F# +5/3



Cx F# A#

F[#] -5



F# -5/R



F# -5/2



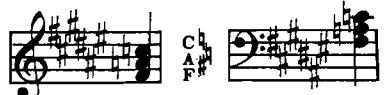
A# C# F#

F# -5/3



C# F# A#

F[#] dim



F# dim / R



F# dim / 2



A# C# F#

F# dim / 3



C# F# A#

The grid consists of three columns and seven rows. Each row represents a different chord or key signature, and each column shows a specific fingering pattern. Below each keyboard diagram, the corresponding note names are listed.

- Row 1:** F# major 7. Fingerings: E C A F #. Note names: F# A# C# E#.
- Row 2:** F# major 7. Fingerings: E C A F #. Note names: A# C# E# F#.
- Row 3:** F# major 7. Fingerings: E C A F #. Note names: C# E# F# A#.
- Row 4:** F# major 7. Fingerings: E C A F #. Note names: E# F# A# C#.
- Row 5:** F# 6. Fingerings: D C A F #. Note names: F# A# C# D#.
- Row 6:** F# major 6. Fingerings: D C A F #. Note names: A# C# D# F#.
- Row 7:** F# major 6. Fingerings: D C A F #. Note names: C# D# F# A#.
- Row 8:** F# major 6. Fingerings: D C A F #. Note names: D# F# A# C#.
- Row 9:** F# m7-5. Fingerings: E C A F #. Note names: F# A# C# E#.
- Row 10:** F# m7-5. Fingerings: E C A F #. Note names: A# C# E# F#.
- Row 11:** F# m7-5. Fingerings: E C A F #. Note names: C# E# F# A#.
- Row 12:** F# m7-5. Fingerings: E C A F #. Note names: E# F# A# C#.
- Row 13:** F# m7. Fingerings: E C A F #. Note names: F# A# C# E#.
- Row 14:** F# m7. Fingerings: E C A F #. Note names: A# C# E# F#.
- Row 15:** F# m7. Fingerings: E C A F #. Note names: C# E# F# A#.
- Row 16:** F# m7. Fingerings: E C A F #. Note names: E# F# A# C#.
- Row 17:** F# dim 7. Fingerings: E C A F #. Note names: F# A# C# D#.
- Row 18:** F# dim 7. Fingerings: E C A F #. Note names: A# C# D# F#.
- Row 19:** F# dim 7. Fingerings: E C A F #. Note names: C# D# F# A#.
- Row 20:** F# dim 7. Fingerings: E C A F #. Note names: D# F# A# C#.
- Row 21:** F# 7-5. Fingerings: E C A F #. Note names: F# A# C# E#.
- Row 22:** F# 7-5. Fingerings: E C A F #. Note names: A# C# E# F#.
- Row 23:** F# 7-5. Fingerings: E C A F #. Note names: C# E# F# A#.
- Row 24:** F# 7-5. Fingerings: E C A F #. Note names: E# F# A# C#.

8va

F#7sus4

8va

F# M 7

8va

F# M 7

8va

F# A# C# E#

8va

A# C# E#F# A#

8va

C# E# F# B

8va

E# F# B C#

8va

F# maj9

8va

A# C# E# G#

8va

A# C# E# G#A#

8va

C# E# G#A#

8va

E# G#A# C#

8va

G#A# C# E#

8va

F# 9-5

8va

A# C# E# G#

8va

C# E# G#A#

8va

E# G#A# C#

8va

G#A# C# E#

8va

F# m9

8va

A# C# E# G#

8va

C# E# G#A#

8va

E# G#A# C#

8va

G#A# C# E#

8va

F# m9+5

8va

A# C# E# G#

8va

C# E# G#A#

8va

E# G#A# C#

8va

G#A# C# E#

F# m9-5 8va

F# 7, b9 8va

F# 11 8va

A# C# E# G#

C# E# G# A#

E# G# A# C#

G# A# C# E#

B G# E# C# A# F#

C# E# G# B

E# G# B C#

G# B C# E#

B C# E# G#

D# B G# E# C# A# F#

E# G# B D#

G# B D# E#

B D# E# G#

D# E# G# B

F# 11b 9 8va

F# 11, #5 8va

C# E# G# B

C# E# G# B

E# G# B C#

G# B C# E#

G# B C# E#

B C# E# G#

F# 13, b9 8va

F# 7, 6 8va

A# C# D# E#

C# D# E# A#

D# E# A# C#

E# A# C# D#

B G# E# C# A# F#

A# C# D# G#

C# D# G# A#

D# G# A# C#

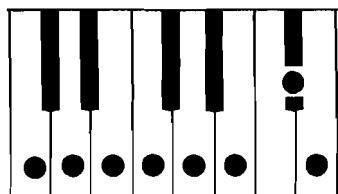
D# G# A# C#

G# A# C# D#

G# A# C# D#

Key of G Major

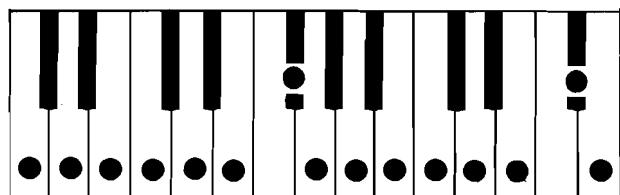
G Major Scale in One Octave



Scale Tones = G A B C D E F#G

Scale Degrees = 1 2 3 4 5 6 7 8

G Major Scale in Two Octaves



Scale Tones = G A B C D E F# G A B C D E F# G

Scale Degrees = 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

G

D B G

Gm

D B_b G

G/R

G B D

Gm/R

G B_b D

G/2

B D G

Gm/2

B_b D G

G/3

D G B

Gm/3

D G B_b

G+5

D# B G

G-5

D B_b G

Gdim

D B_b G

G+5/R

G B D[#]

G-5/R

G B D[#]

G dim/R

G B_b D[#]

G+5/2

B D[#] G

G-5/2

B D_b G

G dim/2

B_b D[#] G

G+5/3

D[#] G B

G-5/3

D_b G B

G dim/3

D_b G B_b

<p>Gmaj7</p> <p>G7</p> <p>Gm7</p>		<p>G6</p> <p>Gm6</p> <p>Gdim7</p>	
<p>Gm7-5</p> <p>G7+5</p> <p>G7 - 5</p>			

<p>G7sus4</p> <p>GM 7, b3</p> <p>GM 7, b3</p>	<p>8va</p> <p>C D F#G</p> <p>Bb Db F#G</p> <p>Db F#G Bb</p> <p>F#G Bb Db</p>	<p>8va</p> <p>G Bb D# F#</p> <p>Bb D# F#G</p> <p>D# F#G Bb</p> <p>F#G Bb D#</p>
<p>Gmaj9</p> <p>B D F# A</p> <p>D F# A B</p> <p>F# A B D</p> <p>A B D F#</p>	<p>8va</p> <p>B D F# A</p> <p>D F# A B</p> <p>F# A B D</p> <p>A B D F#</p>	<p>8va</p> <p>B D F# A</p> <p>D F# A B</p> <p>F# A B D</p> <p>A B D F#</p>
<p>G9-5</p> <p>B D F# A</p> <p>D F# A B</p> <p>F# A B D</p> <p>A B D F#</p>	<p>8va</p> <p>Bb D F# A</p> <p>D F# ABb</p> <p>F# ABb D</p> <p>ABb D F#</p>	<p>8va</p> <p>Bb D F# A</p> <p>D F# ABb</p> <p>F# ABb D</p> <p>ABb D F#</p>

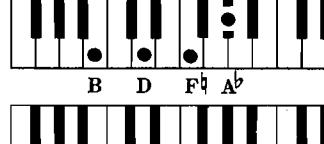
Gm 9-5 *8va*

G₁₁, *b* 9 *8va*

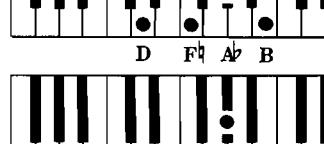
G₁₃, *b* 9 *8va*

8va

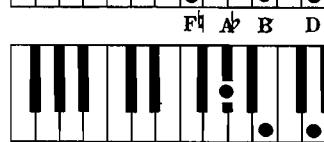
G₇, \flat 9  



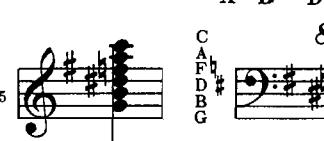
B D F \flat A \flat



D F \flat A \flat B

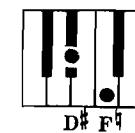
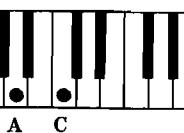


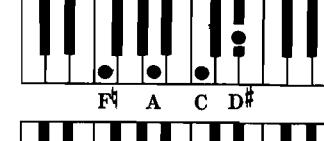
F \flat A \flat B D



A \flat B D F \flat

8va

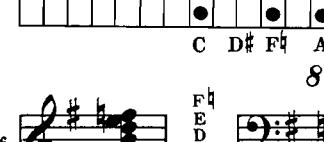
G₁₁, # 5  



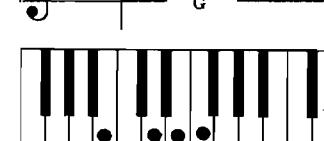
D \sharp F \sharp A C



F \sharp A C D \sharp

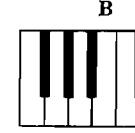
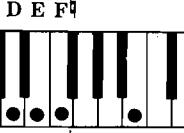


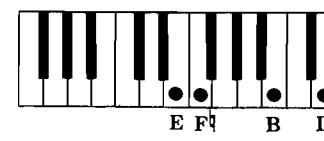
A C D \sharp F \sharp



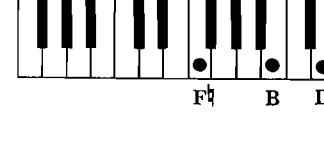
C D \sharp F \sharp A

8va

G₇, 6  



B D E F



D E F \sharp B

E F \sharp B D

F \sharp B D E

G₁₁ 8va

C
A
F
D
B
G

D F A C

F A C D

A C D F

C D F A

E C A F
D B G

F A C E

A C E F

C E F A

E F A C

B D E A

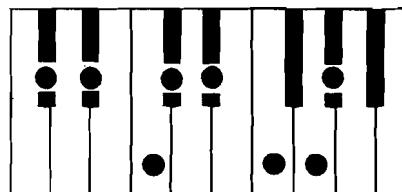
D E A B

E A B D

A B D E

Key of A♭ Major

A♭ Major Scale in One Octave

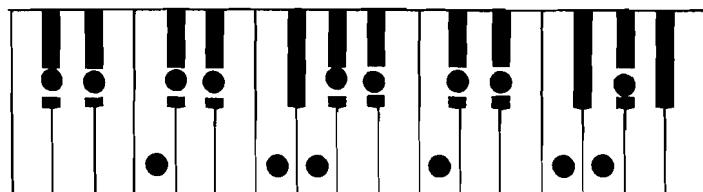


Scale Tones = A♭ B♭ C D♭ E♭ F G A♭

Scale Degrees = 1 2 3 4 5 6 7 8

Fingerings for the treble staff: 2 3 1 2 | 3 1 2 3 | 2 1 3 2 | 1 3 2
Fingerings for the bass staff: 3 2 1 4 | 3 2 1 3 | 2 1 4 3 2 1 | 3 2 1 3 2

A♭ Major Scale in Two Octaves



Scale Tones = A♭ B♭ C D♭ E♭ F G A♭ B♭ C D♭ E♭ F G A♭

Scale Degrees = 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

8va ----- Loco

Fingerings for the treble staff: 2 3 1 2 | 3 1 2 3 | 4 1 2 3 1 2 3 2 | 1 3 2 1 4 3 2 1 | 3 2 1 3 2
Fingerings for the bass staff: 3 2 1 4 | 3 2 1 3 | 2 1 4 3 2 1 | 2 3 4 1 2 3 | 3 4 1 2 3

A^b

A^b_m

A^b/R

A^b / R

$A^b / 2$

$A^b / 3$

A^b_m/R

A^b_m / R

$A^b_m / 2$

$A^b_m / 3$

A^b_+5

A^b_{-5}

$A^b \text{ dim}$

$A^b +5/R$

$A^b +5/R$

$A^b +5/2$

$A^b +5/3$

E^\sharp A^b C

$A^b -5/R$

$A^b -5/R$

$A^b -5/2$

$A^b -5/3$

E^\flat A^b C

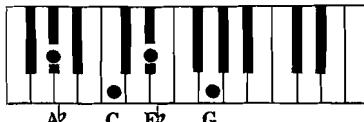
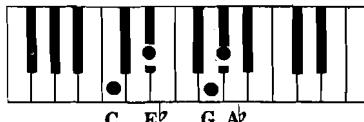
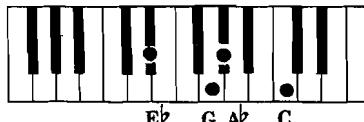
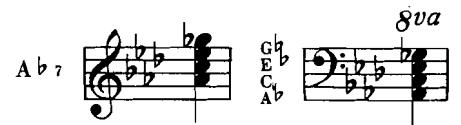
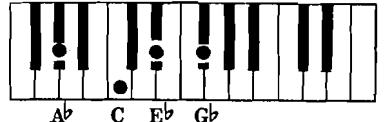
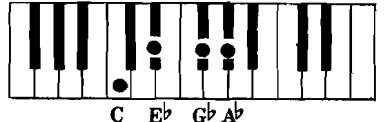
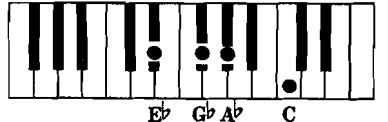
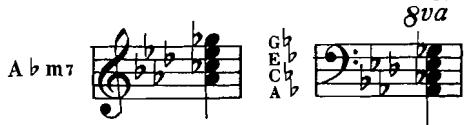
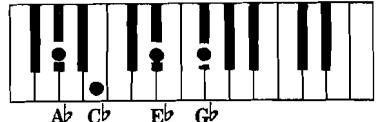
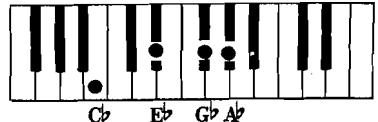
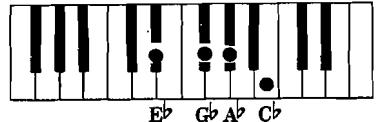
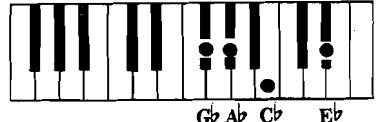
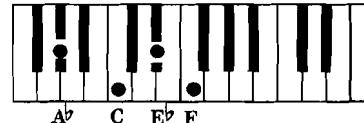
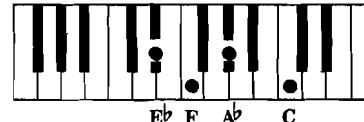
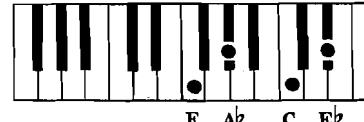
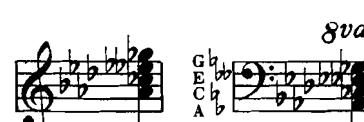
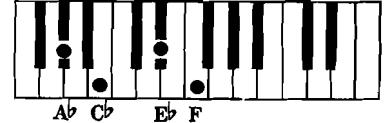
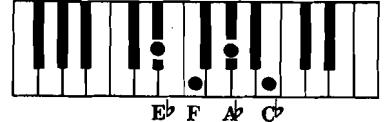
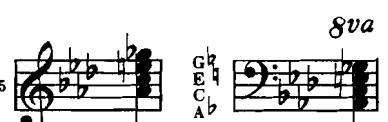
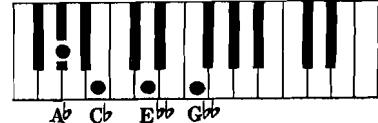
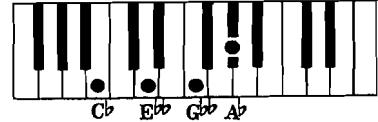
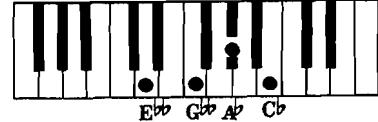
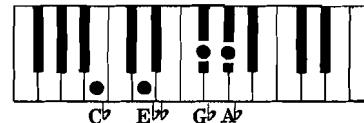
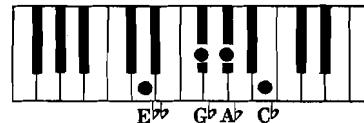
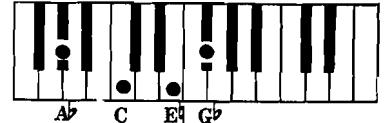
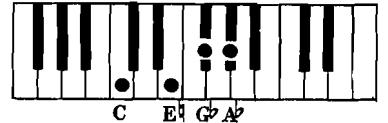
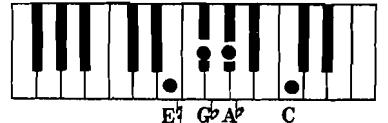
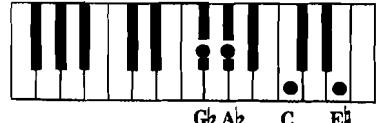
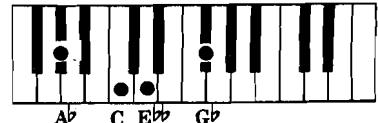
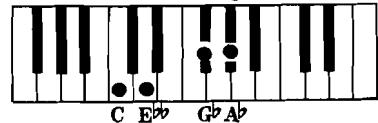
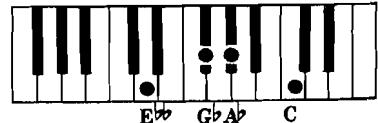
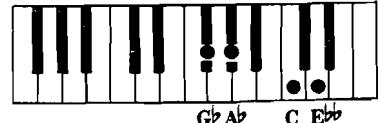
$A^b \text{ dim}/R$

$A^b \text{ dim}/R$

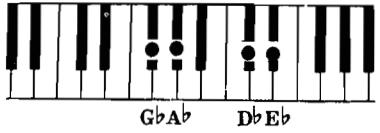
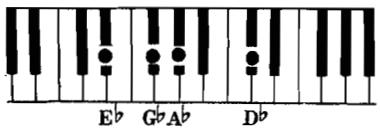
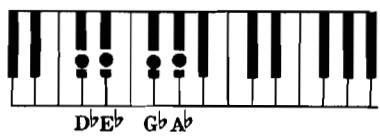
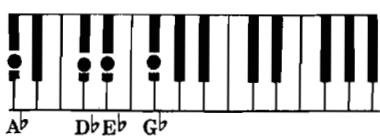
$A^b \text{ dim}/2$

$A^b \text{ dim}/3$

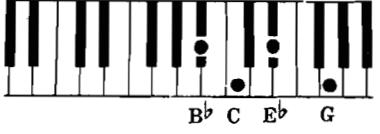
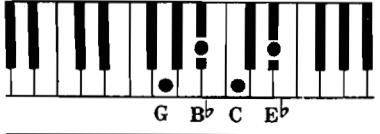
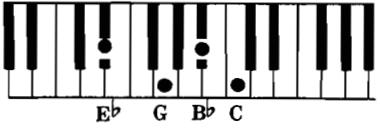
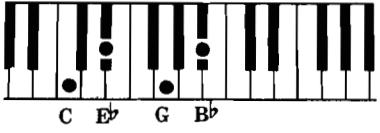
C^\flat E^\flat A^b

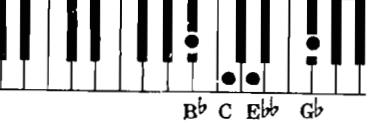
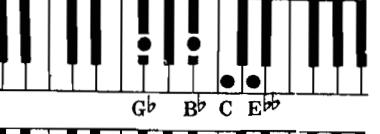
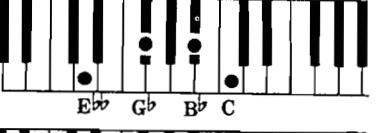
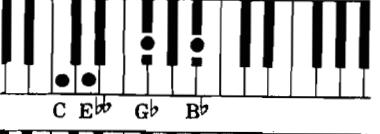
A7sus4



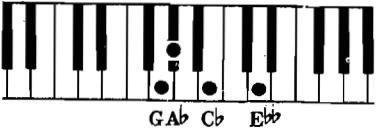
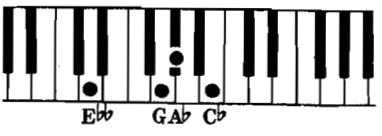
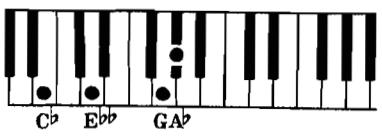
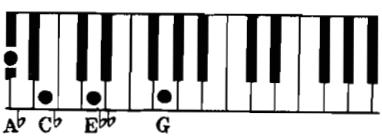
A♭ maj₉



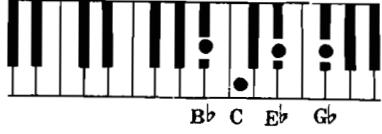
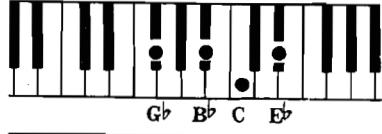
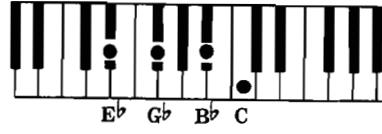
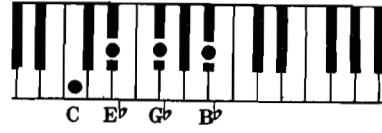
A♭₉₋₅



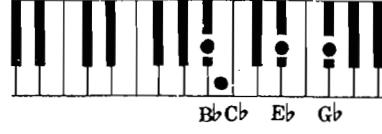
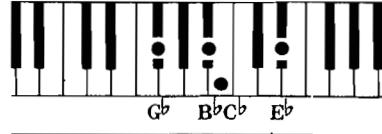
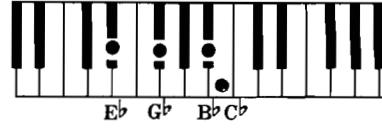
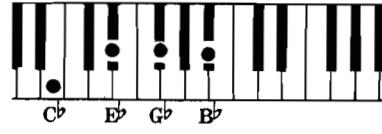
A♭ M7₅



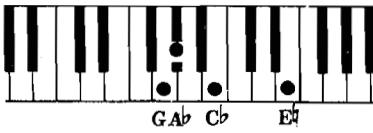
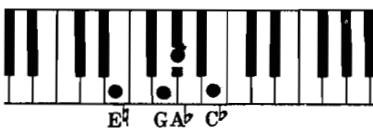
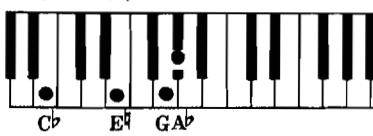
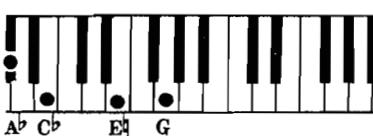
A♭₉



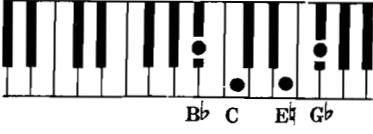
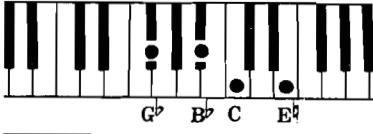
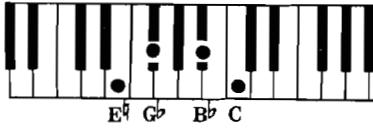
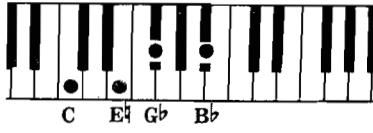
A♭ m₉



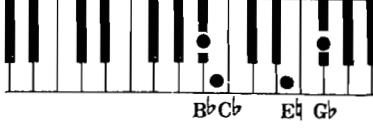
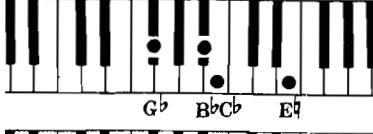
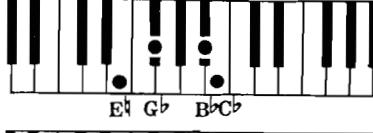
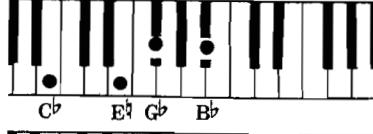
A♭ M₇₅

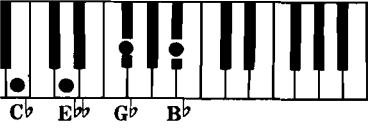
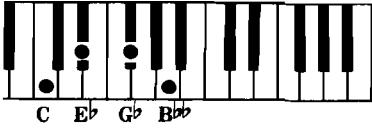
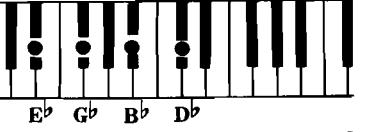
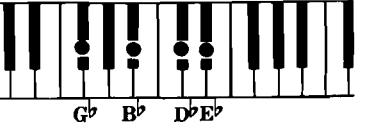
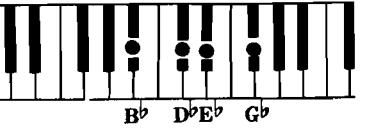
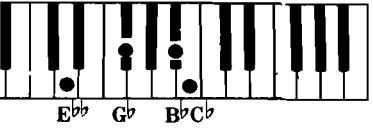
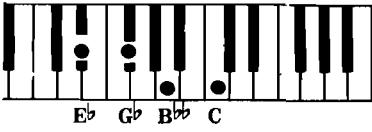
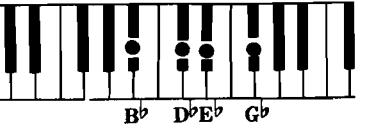
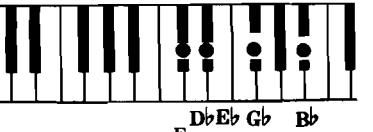
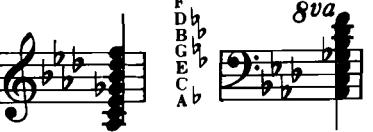
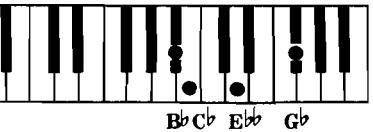
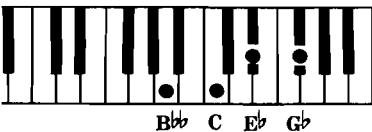
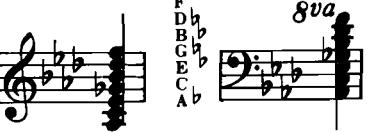
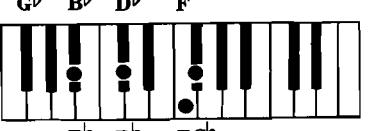
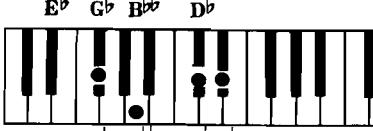
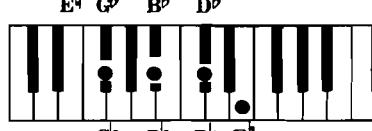
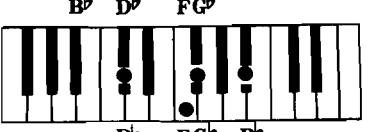
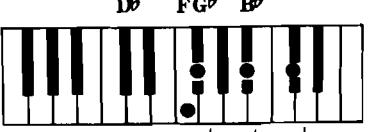
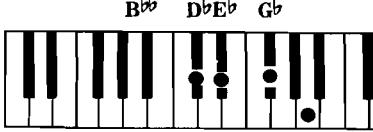
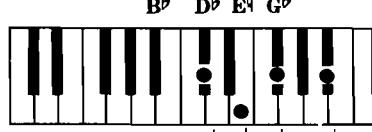
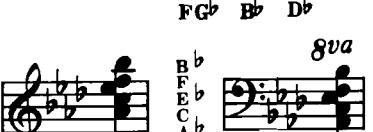
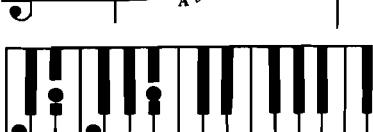
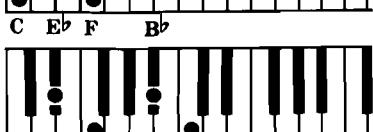
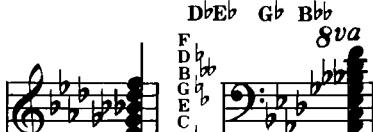
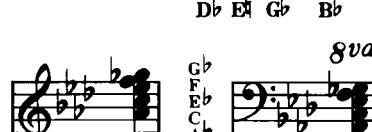
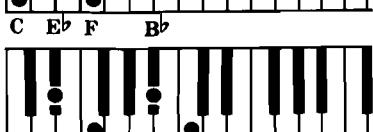
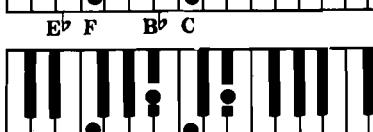
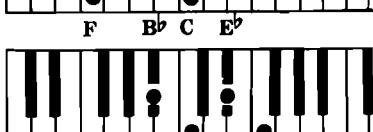
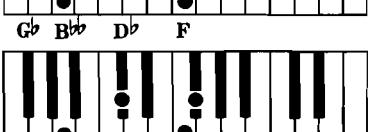
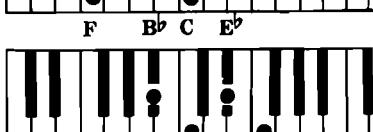
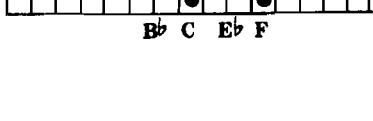
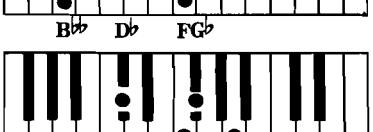
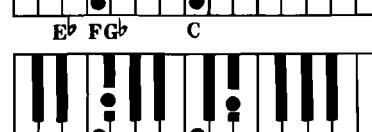
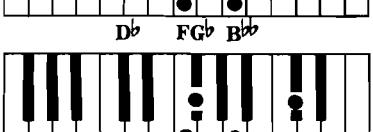
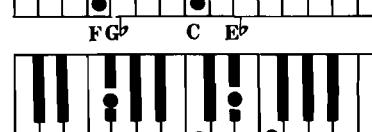
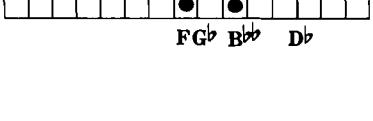


A♭₉₊₅

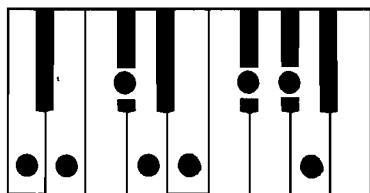


A♭ m₉₊₅



	<i>8va</i>	<i>8va</i>	<i>8va</i>	<i>8va</i>	
A♭ m9-5	B♭ G♭ E♭ C A♭	A♭ 7, b 9	B♭ G♭ E♭ C A	A♭ 11	D♭ G♭ E C A
					
					
					
					
					
					
					
					
					
					

A Major Scale in One Octave



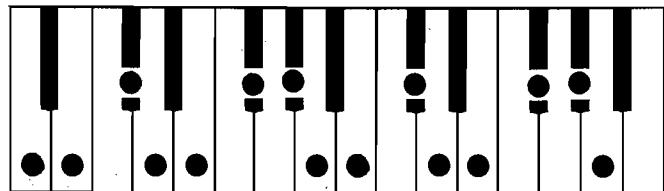
Scale Tones = A B C♯ D E F♯ G♯ A

Scale Degrees = 1 2 3 4 5 6 7 8

Fingerings for the treble staff: 1 2 3 1 2 3 4 5 4 3 2 1 3 2 1 2 3 1 2 3 4 5

Fingerings for the bass staff: 5 4 3 2 1 3 2 1 4 3 2 1 2 3 2 1 3 4 5

A Major Scale in Two Octaves



Scale Tones = A B C♯ D E F♯ G♯ A B C♯ D E F♯ G♯ A

Scale Degrees = 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

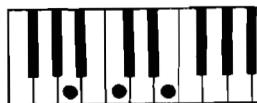
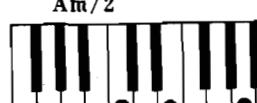
Fingerings for the treble staff: 1 2 3 1 2 3 4 1 2 3 1 2 3 4 5 4 3 2 1 3 2 1 4 3 2 1 3 2 1 2 3 2 1

Fingerings for the bass staff: 5 4 3 2 1 3 2 1 4 3 2 1 2 3 2 1 3 4 1 2 3 2 1 3 4 1 2 3 2 1 3 4 5

Dynamic: 8va - - - - - - - - Loco

<p>A</p>	<p>Am</p>
<p>A/R</p>	<p>Am/R</p>
<p>A/2</p>	<p>Am/2</p>
<p>A/3</p>	<p>Am/3</p>

<p>A +5</p> <p>E[#] C A</p> <p>A +5/R</p> <p>A +5/2</p> <p>A +5/3</p>	<p>A -5</p> <p>E² C[#] A</p> <p>A -5/R</p> <p>A -5/2</p> <p>A -5/3</p>	<p>Adim</p> <p>E^b C A</p> <p>A dim/R</p> <p>A dim/2</p> <p>A dim/3</p>
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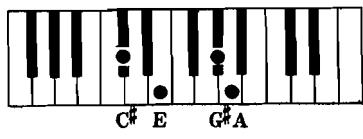
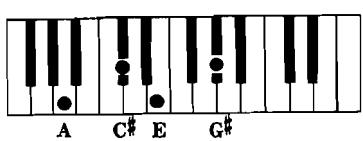
<p>A</p>  <p>8va</p>	<p>Am</p>  <p>8va</p>
<p>A/R</p>  <p>A C\sharp E</p>	<p>Am/R</p>  <p>A C E</p>
<p>A/2</p>  <p>C\sharp E A</p>	<p>Am/2</p>  <p>C\sharp E A</p>
<p>A/3</p>  <p>E A C\sharp</p>	<p>Am/3</p>  <p>E A C\sharp</p>

<p>A+5 <i>8va</i></p> <p>E C# A</p>	<p>A-5 <i>8va</i></p> <p>E C# A</p>	<p>Adim <i>8va</i></p> <p>E C A</p>
<p>A+5/R</p> <p>A C# E#</p>	<p>A-5/R</p> <p>A C# Eb</p>	<p>A dim/R</p> <p>C E A</p>
<p>A+5/2</p> <p>C# E# A</p>	<p>A-5/2</p> <p>C# Eb A</p>	<p>A dim/2</p> <p>C Eb A</p>
<p>A+5/3</p> <p>E# A C#</p>	<p>A-5/3</p> <p>Eb A C#</p>	<p>A dim/3</p> <p>Eb A C#</p>

72

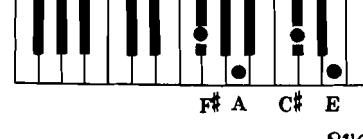
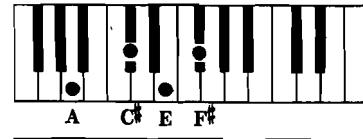
Amaj7

G[#]
E
C[#]
A



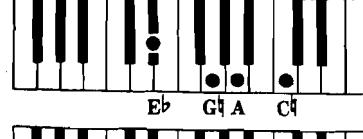
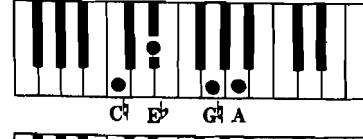
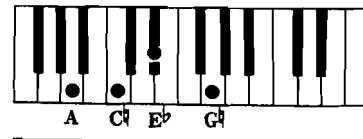
A6

F[#]
E
C[#]
A



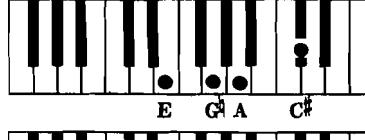
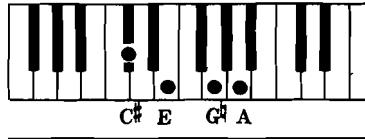
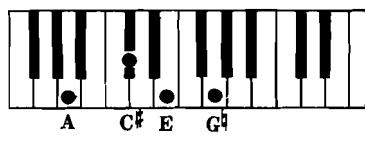
Am7-5

G^b
E
C^b
A



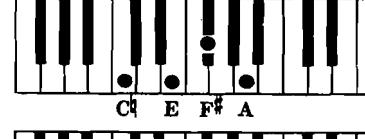
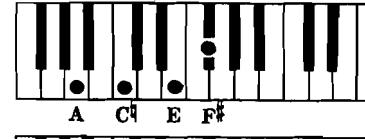
A7

G[#]
E
C[#]
A



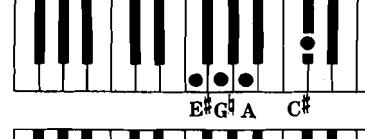
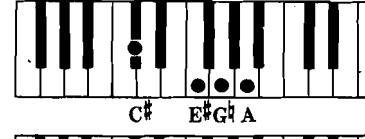
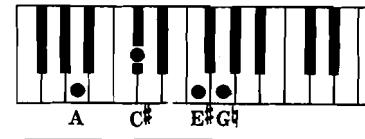
Am6

F[#]
E
C[#]
A



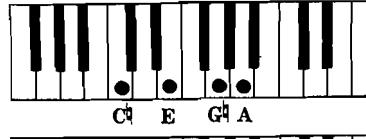
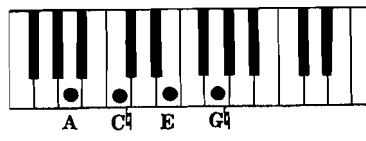
A7+5

G[#]
E
C[#]
A



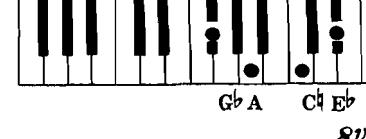
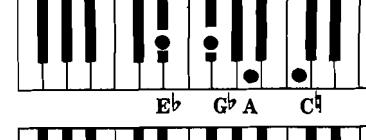
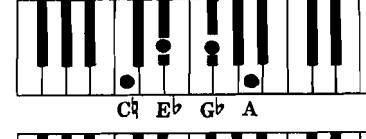
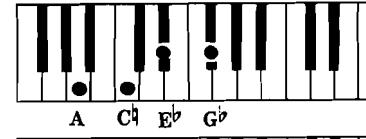
Am7

G^b
E
C^b
A



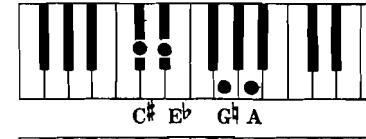
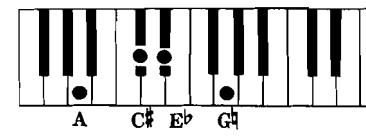
Adim7

G^b
E^b
C^b
A



A7-5

G^b
E
C^b
A

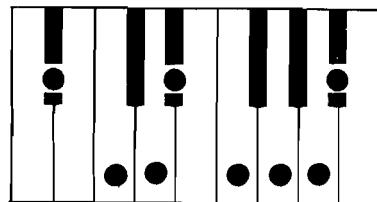


<p>A7sus 4</p> <p>AM 7 b3</p> <p>AM 7 b3</p>	<p>8va</p> <p>8va</p> <p>8va</p>	<p>8va</p> <p>8va</p> <p>8va</p>
<p>Amaj9</p> <p>A9</p> <p>A9+5</p>	<p>8va</p> <p>8va</p> <p>8va</p>	<p>8va</p> <p>8va</p> <p>8va</p>
<p>A9-5</p> <p>Am9</p> <p>Am9+5</p>	<p>8va</p> <p>8va</p> <p>8va</p>	<p>8va</p> <p>8va</p> <p>8va</p>
<p>C#E7</p> <p>E7</p> <p>E7</p>	<p>8va</p> <p>8va</p> <p>8va</p>	<p>8va</p> <p>8va</p> <p>8va</p>

<p>A m 9--5</p> <p>8va</p>	<p>A 7. b 9</p> <p>8va</p>	<p>8va</p>
<p>A 11, b 9</p> <p>8va</p>	<p>A 11, # 5</p> <p>8va</p>	<p>8va</p>
<p>A 13, b 9</p> <p>8va</p>	<p>A 7. 6</p> <p>8va</p>	<p>8va</p>

Key of B^b Major

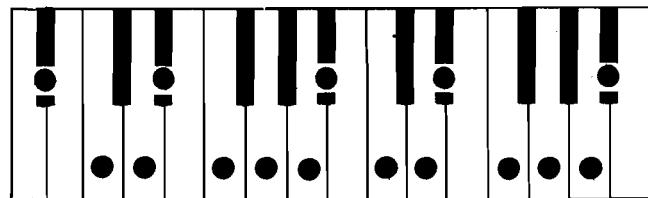
B^b Major Scale in One Octave



Scale Tones = B^b C D E^b F G A B^b

Scale Degrees = 1 2 3 4 5 6 7 8

B^b Major Scale in Two Octaves



Scale Tones = B^b C D E^b F G A B^b C D E^b F G A B^b

Scale Degrees = 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

8va - - - - - Loco

B^{\flat}

F D^{\flat} B^{\flat}

$8va$

$B^{\flat} m$

F D^{\flat} B^{\flat}

$8va$

B^{\flat} / R

B^{\flat} D F

$B^{\flat} / 2$

D F B^{\flat}

$B^{\flat} / 3$

F B^{\flat} D

$B^{\flat} m / R$

B^{\flat} D^{\flat} F

$B^{\flat} m / 2$

D^{\flat} F B^{\flat}

$B^{\flat} m / 3$

F B^{\flat} D^{\flat}

$B^{\flat} +5$

F^{\sharp} D^{\flat} B^{\flat}

$8va$

$B^{\flat} -5$

F^{\flat} D^{\flat} B^{\flat}

$8va$

$B^{\flat} dim$

F^{\flat} D^{\flat} B^{\flat}

$8va$

$B^{\flat} +5/R$

B^{\flat} D F^{\sharp}

$B^{\flat} -5/R$

B^{\flat} D F^{\flat}

$B^{\flat} dim/R$

B^{\flat} D^{\flat} F^{\flat}

$B^{\flat} +5/2$

D F^{\sharp} B^{\flat}

$B^{\flat} -5/2$

D F^{\flat} B^{\flat}

$B^{\flat} dim/2$

D^{\flat} F^{\flat} B^{\flat}

$B^{\flat} +5/3$

F^{\sharp} B^{\flat} D

$B^{\flat} -5/3$

F^{\flat} B^{\flat} D

$B^{\flat} dim/3$

F^{\flat} B^{\flat} D^{\flat}

B^b

B^b m

B^b / R

B^b / 2

B^b / 3

B^b m / R

B^b m / 2

B^b m / 3

B^b +5

B^b -5

B^b dim

B^b +5/R

B^b +5/2

B^b -5/R

B^b -5/2

B^b dim/R

B^b dim/2

B^b +5/3

B^b -5/3

B^b dim/3

B^b maj₇

B^b D F A

D F A^b B^b

F A^b B^b D

A^b B^b D F

B^b 6

B^b D F G

D F G B^b

F G B^b D

G B^b D F

B^b m7-5

B^b D F A^b

D F A^b B^b

F A^b B^b D

A^b B^b D F

B^b 7

B^b D F A^b

D F A^b B^b

F A^b B^b D

A^b B^b D F

B^b m6

B^b D F G

D F G B^b

F G B^b D

G B^b D F

B^b m7

B^b D F A^b

D F A^b B^b

F A^b B^b D

A^b B^b D F

B^b dim₇

B^b D F A^b

D F A^b B^b

F A^b B^b D

A^b B^b D F

B^b 7+5

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D F A^b B^b

F A^b B^b D

A^b B^b D F

B^b 7-5

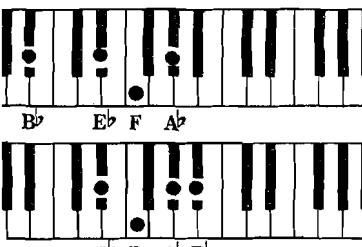
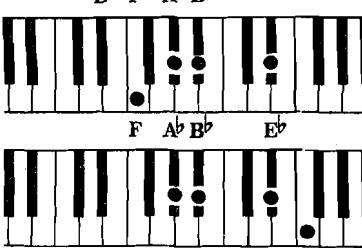
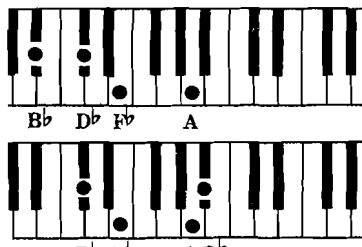
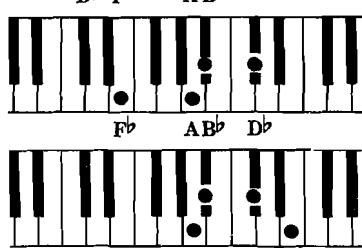
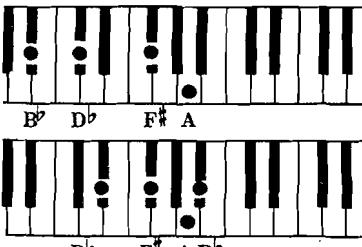
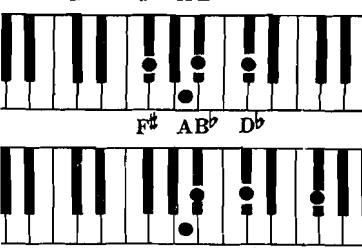
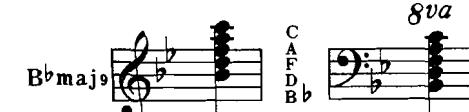
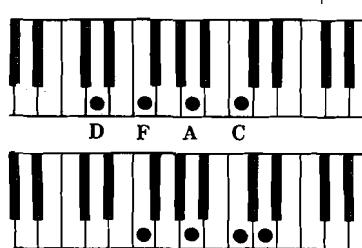
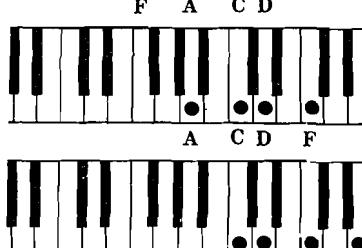
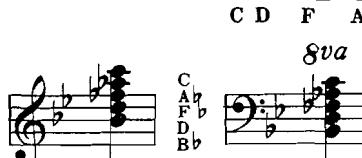
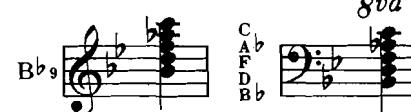
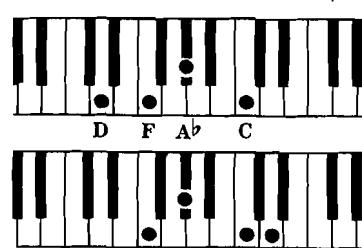
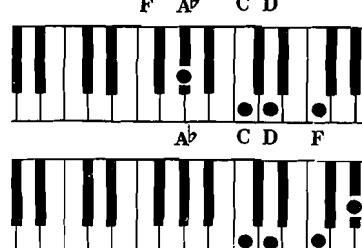
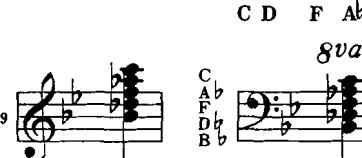
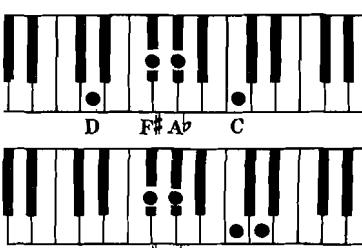
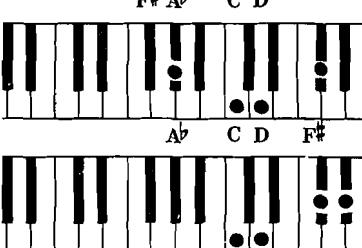
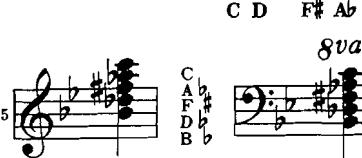
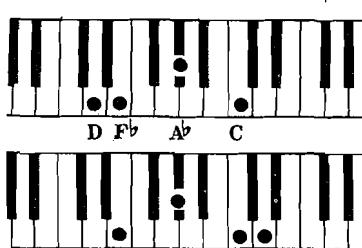
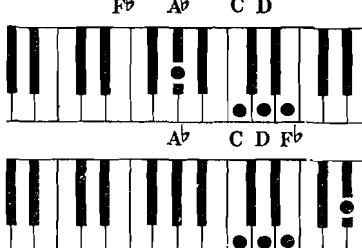
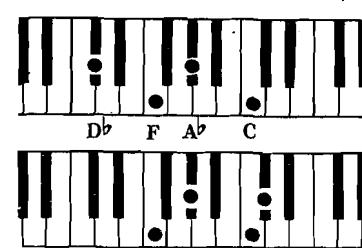
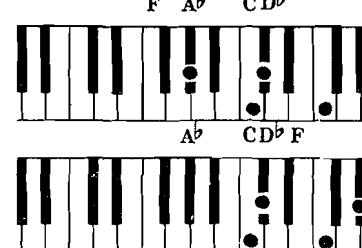
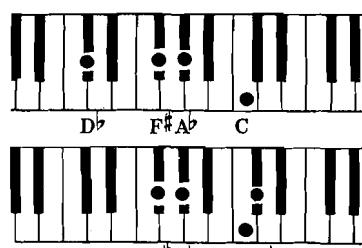
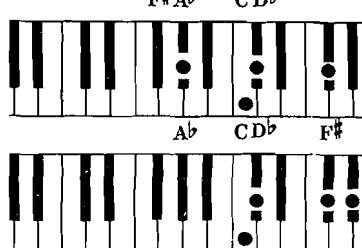
B^b D F A^b

D F A^b B^b

F A^b B^b D

A^b B^b D F

78

 <p><i>8va</i></p>  <p>B^b E^b F A^b E^b F A^b B^b</p>  <p>F A^b B^b E^b A^b B^b E^b F</p>	 <p><i>8va</i></p>  <p>B^b D^b F^b A D^b F^b A B^b</p>  <p>F^b A B^b D^b A B^b D^b F^b</p>	 <p><i>8va</i></p>  <p>B^b D^b F[#] A D^b F[#] A B^b</p>  <p>F[#] A B^b D^b A B^b D^b F[#]</p>
 <p><i>8va</i></p>  <p>D F A C F A C D</p>  <p>A C D F C D F A</p>  <p>C D F A</p>	 <p><i>8va</i></p>  <p>D F A^b C F A^b C D</p>  <p>A^b C D F C D F A^b</p>  <p>C D F A^b</p>	 <p><i>8va</i></p>  <p>D F[#] A^b C F[#] A^b C D</p>  <p>A^b C D F[#] C D F[#] A^b</p>  <p>C D F[#] A^b</p>
 <p><i>8va</i></p>  <p>D F^b A^b C F^b A^b C D</p>  <p>A^b C D F^b C D F^b A^b</p>	 <p><i>8va</i></p>  <p>D^b F A^b C F A^b C D^b</p>  <p>A^b C D^b F C D^b F A^b</p>	 <p><i>8va</i></p>  <p>D^b F[#] A^b C F[#] A^b C D^b</p>  <p>A^b C D^b F[#] C D^b F[#] A^b</p>

B^b m9-5

G
C
A
F
D
B

8va

D^b F^b A^b C

F^b A^b C D^b

A^b C D^b F^b

C^b D^b F^b A^b

B^b11, b₉

E^b
C^b
A^b
F
D
B

8va

F A^b C^b E^b

A^b C^b E^b F

C^b E^b F A^b

E^b F A^b C^b

B^b13, b₉

G
E^b
C^b
A^b
F
D
B

8va

A^b C^b E^b G

C^b E^b G A^b

E^b G A^b C^b

G A^b C^b E^b

B^b7, b₉

C^b
A^b
F
D
B

8va

D F A^b C^b

F A^b C^b D

A^b C^b D F

C^b D F A^b

B^b11, #₅

E^b
C^b
A^b
F
D
B

8va

F[#] A^b C E^b

A^b C E^b F[#]

C E^b F[#] A^b

E^b F[#] A^b C

B^b7, 6

A^b
G^f
F
D
B

8va

D F G A^b

F G A^b D

G A^b D F

A^b D F G

B^b11

C^b
A^b
F
D
B

8va

F A^b C E^b

A^b C E^b F

C E^b F A^b

E^b F A^b C

B^b13

G^b
E^b
C^b
A^b
F
D
B

8va

A^b C E^b G

C E^b G A^b

E^b G A^b C

G A^b C E^b

B^b6, 9

C^b
G^f
F
D
B

8va

D F G C

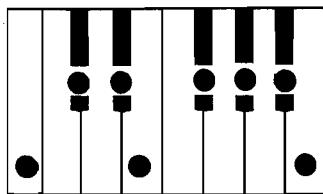
F G C D

G C D F

C D F G

Key of B Major (identical to C^b)

B Major Scale in One Octave

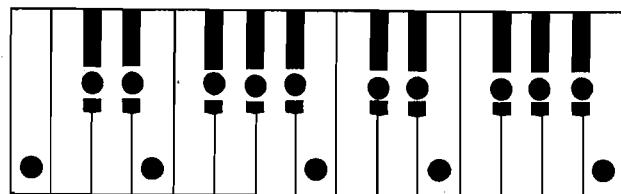


Scale Tones = B C[#] D[#] E F[#] G[#] A[#] B

Scale Degrees = 1 2 3 4 5 6 7 8

The musical notation consists of two staves. The top staff is in treble clef and the bottom staff is in bass clef. Both staves are in 4/4 time with a key signature of four sharps. The notes are represented by vertical stems with horizontal dashes indicating pitch. Below each note is a number from 1 to 8, corresponding to the scale degrees: 1, 2, 3, 1, 2, 3, 4, 5, 4, 3, 2, 1, 3, 2, 1.

B Major Scale in Two Octaves



Scale Tones = B C[#] D[#] E F[#] G[#] A[#] B C[#] D[#] E F[#] G[#] A[#] B

Scale Degrees = 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

8va - - - - - Loco

The musical notation consists of two staves. The top staff is in treble clef and the bottom staff is in bass clef. Both staves are in 4/4 time with a key signature of four sharps. The notes are represented by vertical stems with horizontal dashes. Below each note is a number from 1 to 15, corresponding to the scale degrees: 1, 2, 3, 1, 2, 3, 1, 2, 3, 4, 5, 4, 3, 2, 1, 3, 2, 1, 4, 3, 2, 1, 3, 2, 1, 4, 3, 2, 1, 3, 2, 1, 4, 1, 2, 3, 4.

B

Bm

B/R

Bm/R

B/2

Bm/2

B/3

Bm/3

B+5

B-5

Bdim

B+5/R

B-5/R

B dim/R

B+5/2

B-5/2

B dim/2

B+5/3

B-5/3

B dim/3

82

Bmaj₇

8va

B D# F# A#

D# F# A#B

F# A#B D#

A#B D# F#

B₇

8va

B D# F# A#

D# F# A#B

F# A#B D#

A#B D# F#

Bm₇

8va

B D# F# A#

D# F# A#B

F# A#B D#

A#B D# F#

B₆

8va

G# F# D# B

B D# F#G#

D# F#G# B

F#G# B D#

G# B D# F#

Bm₆

8va

G# F# D# B

B D# F#G#

D# F#G# B

F#G# B D#

G# B D# F#

Bdim₇

8va

A b F D# B

B D# F Ab

D# F Ab B

F Ab B D#

A b B D# F

Bm₇₋₅

8va

A b F D# B

B D# F Ab

D# F Ab B

F Ab B D#

A b B D# F

B₇₊₅

8va

A b F D# B

B D# Fx Ab

D# Fx Ab B

Fx Ab B D#

A b B D# F

B₇₋₅

8va

A b F D# B

B D# F Ab

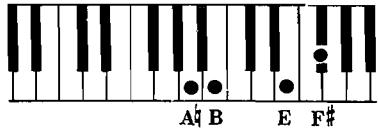
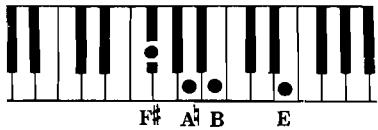
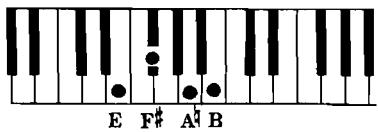
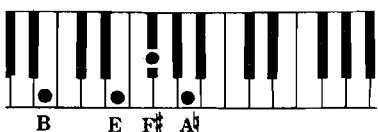
D# F Ab B

F Ab B D#

A b B D# F

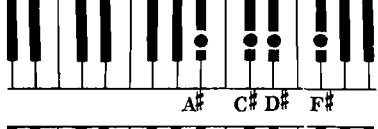
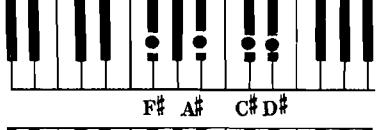
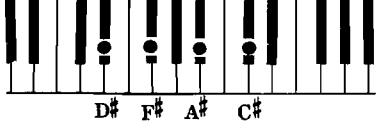
7sus4

8va



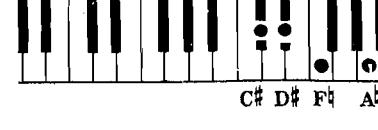
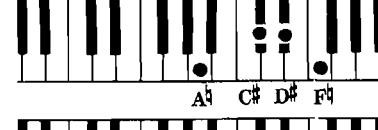
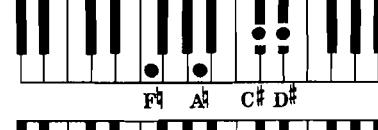
Bm⁹

8va



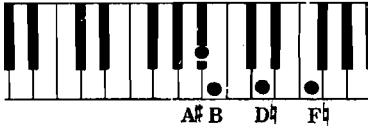
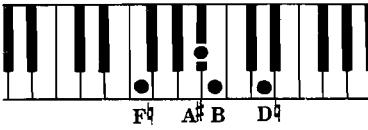
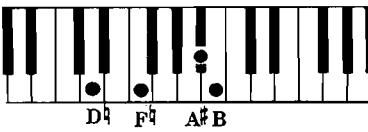
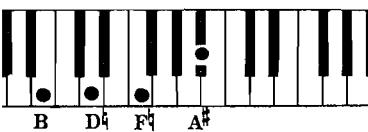
B⁹⁻⁵

8va

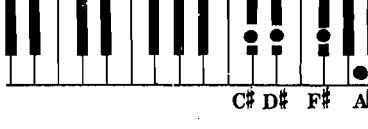
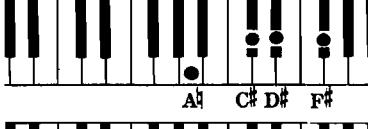
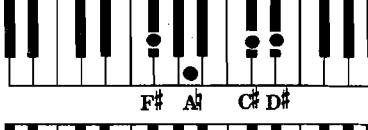
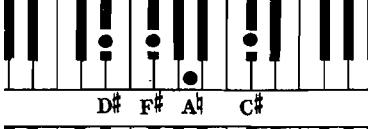


BM 7.

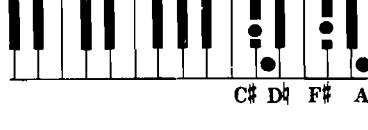
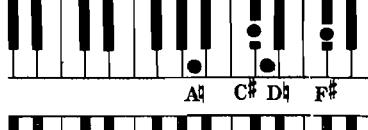
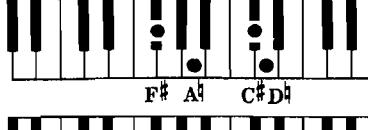
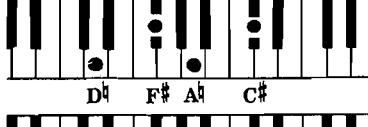
8va



8va

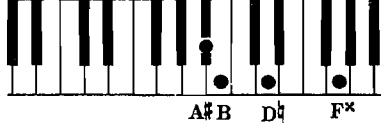
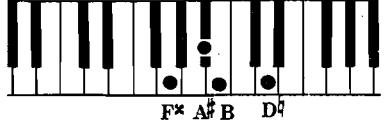
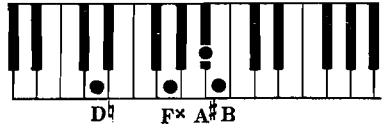
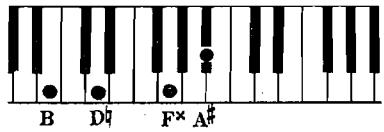


8va

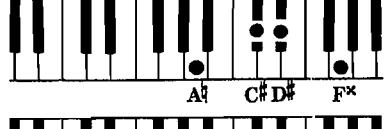
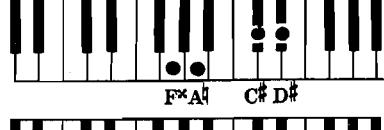
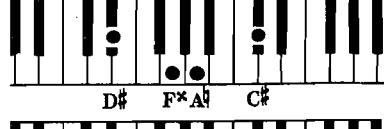


BM 7.

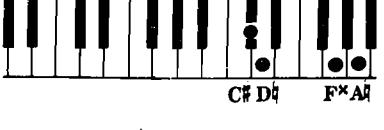
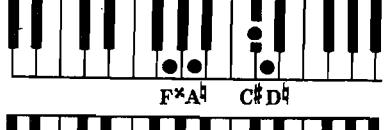
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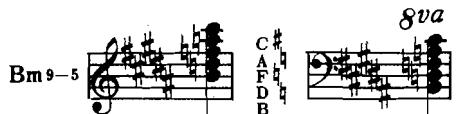
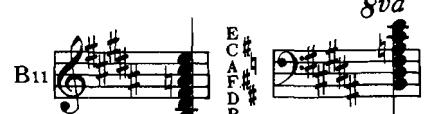
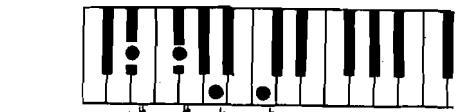
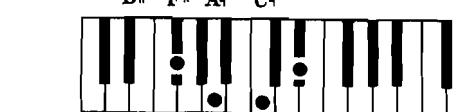
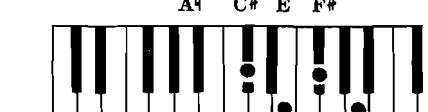
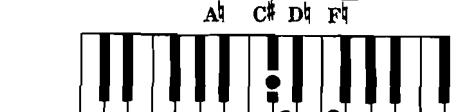
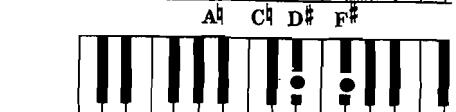
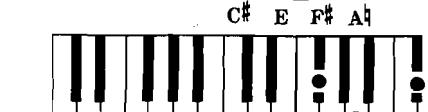
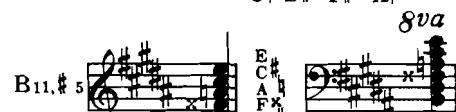
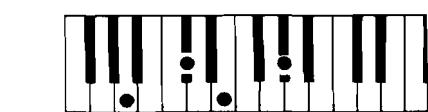
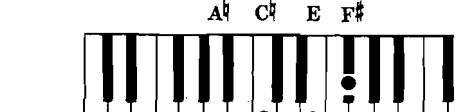
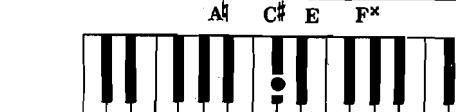
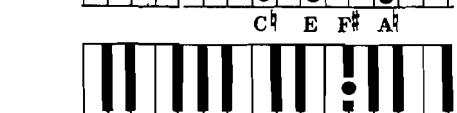
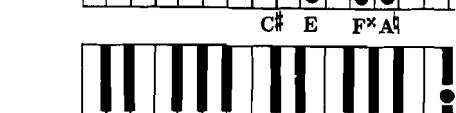
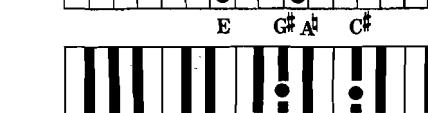
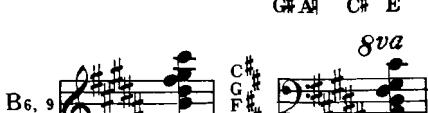
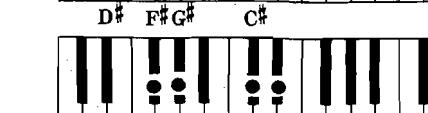
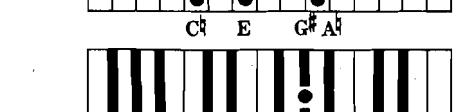
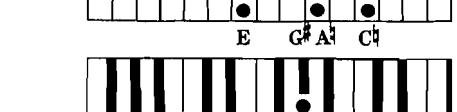
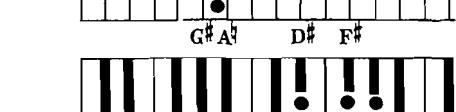
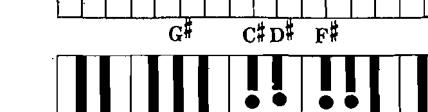


8va



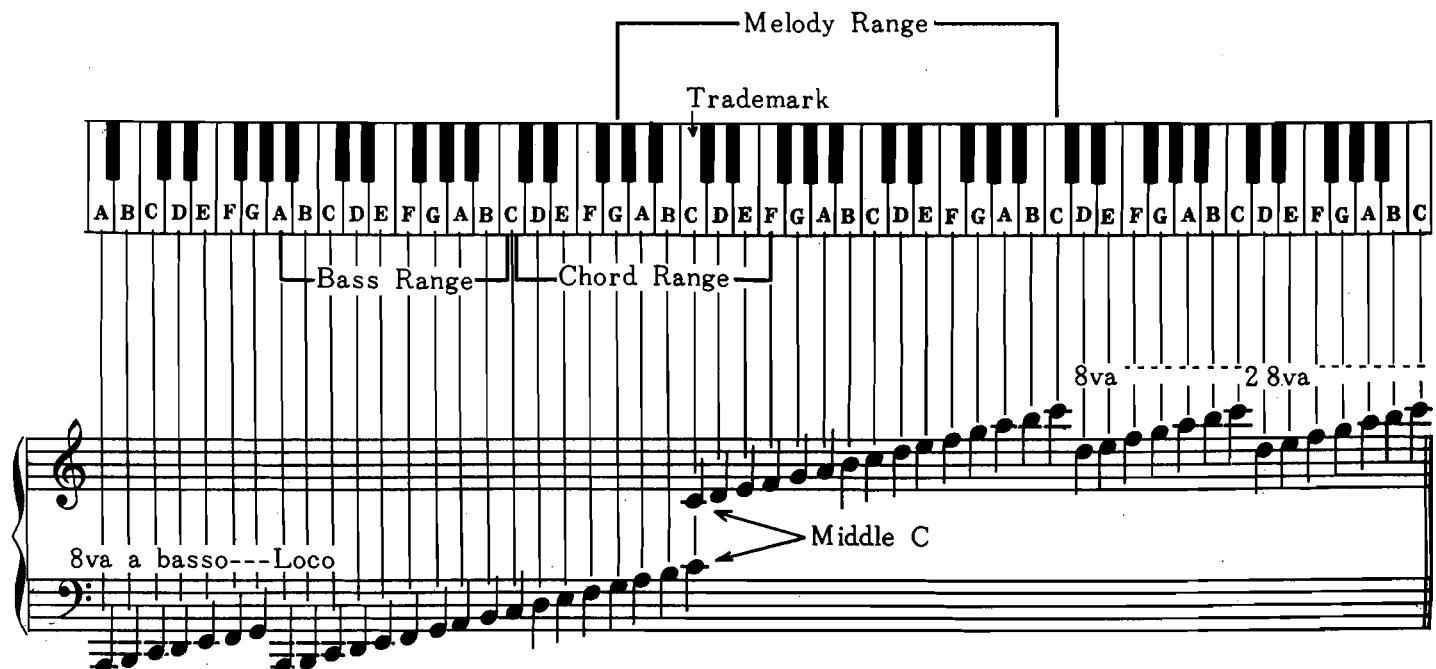
8va



	8va	8va	8va
Bm 9-5			
			
			
			
			
B11, b 9			
			
			
			
			
B13, b 9			
			
			
			
			

Range of the Bass, Chords and Melody

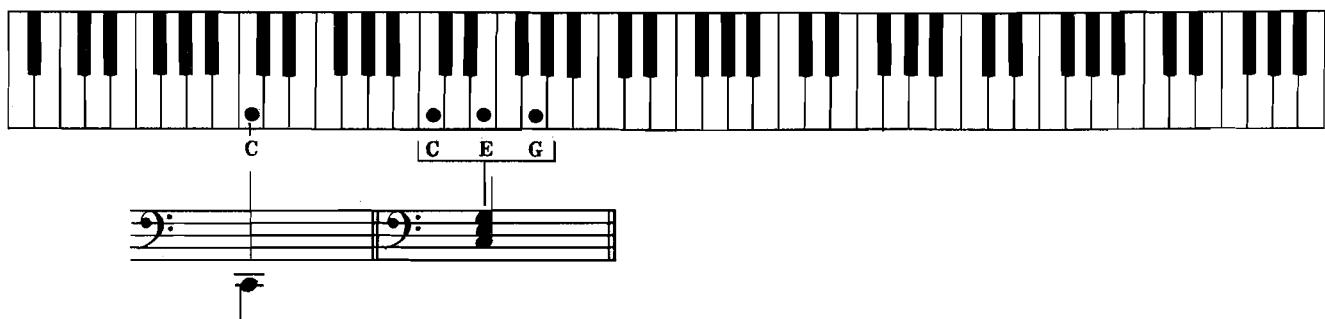
Here is a keyboard diagram showing the ranges used for the bass, chords and melodies of popular songs:



Here is a chart showing the bass and chords in root position for the C, Dm, F, and G chords which will be used in the examples on the following pages:

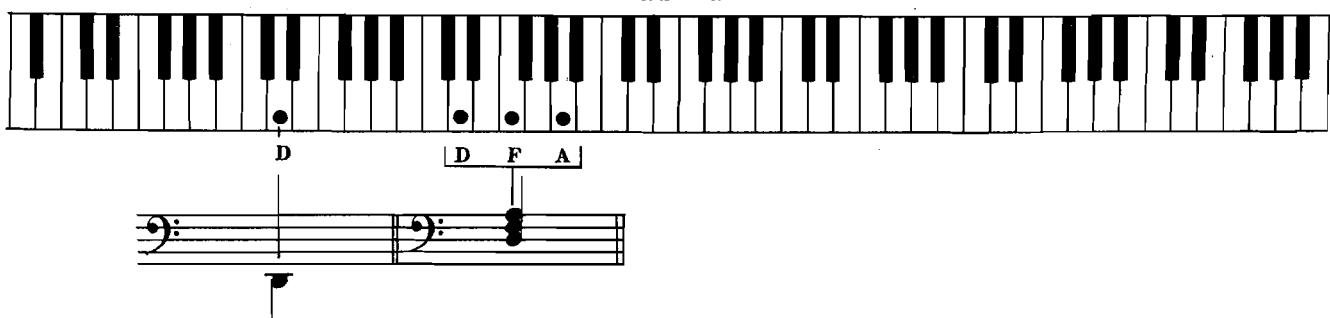
C

Bass Chord Trademark



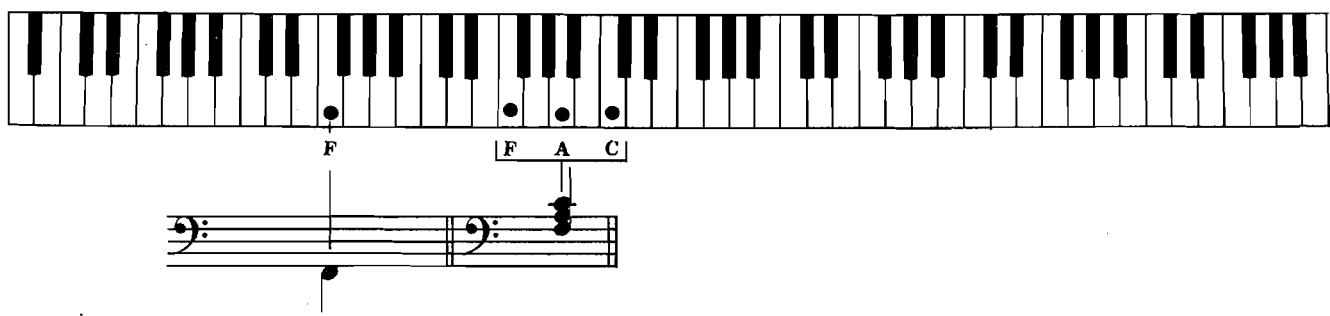
Dm

Trademark



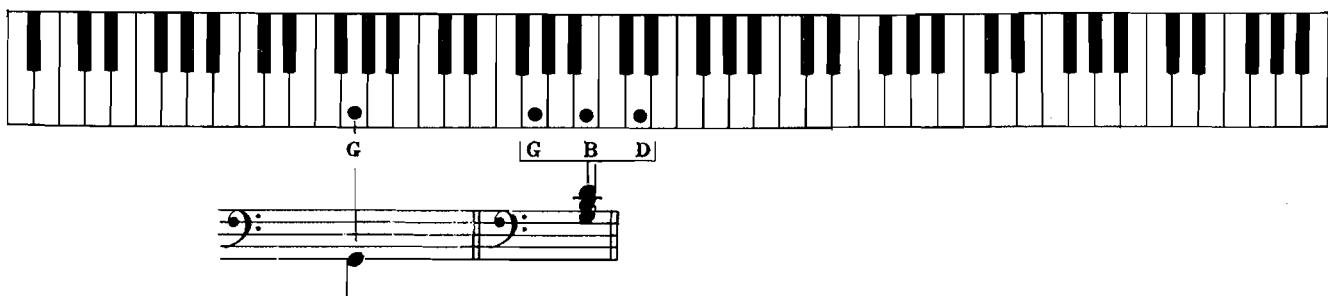
F

Trademark



G

Trademark



Using Chords To Play Popular Songs

Many popular songs are written in lead sheet form showing only the chords, melody and lyrics:

A musical score consisting of three staves. The top staff shows a treble clef, a key signature of one sharp (F#), and a time signature of $\frac{3}{4}$. It contains two measures: the first measure has a dotted half note followed by a dotted quarter note, and the second measure has a dotted quarter note followed by a dotted half note. The middle staff shows a bass clef and a key signature of one sharp (F#). It contains two measures, each with a single dotted half note. The bottom staff contains lyrics: "When I hold you." Arrows point from the text "Chords" to the first measure of the top staff, "Melody" to the middle staff, and "Lyrics" to the lyrics.

The simplest method of interpreting the lead sheet is to play the melody with the right hand and to play sustained chords with the left hand.

The time signature $\frac{3}{4}$ means that there are three counts in each measure. The left hand plays the chord at the beginning of each measure and sustains the chord for all three counts:



A musical score for $\frac{3}{4}$ time. The top staff shows a treble clef, a key signature of one sharp (F#), and a time signature of $\frac{3}{4}$. It contains four measures, each starting with a dotted half note. Below the staff, the word "Count:" is followed by a right-pointing arrow and the numbers 1, 2, 3 repeated three times. The bottom staff shows a bass clef and a key signature of one sharp (F#). It contains four measures, each starting with a dotted half note. The entire score is enclosed in a brace.

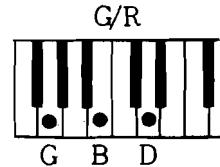
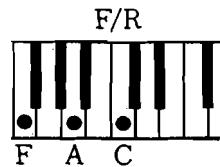
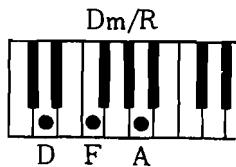
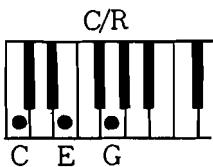
The keyboard diagrams shown above each song in this book are to help the student learn the chords and to see how they are used.

Notice that one chord per measure has been used, each chord being repeated in successive measures until the chord symbol changes.

Root position chords are being used because they are easily remembered.

Here is the entire song which was presented as an example on the previous page.

Play this selection with sustained chords.



When I Hold You

When I hold you

then I know you

How I love to

be with you

*

NOTE: omit the note D in the G major triad in the left hand when it conflicts with the D in the melody in the right hand.

The Waltz Rhythm Pattern

The waltz rhythm pattern is found in the time signature of $\frac{3}{4}$, this means that there are three counts in each measure.

The waltz rhythm pattern is counted. 1. 2. 3.
"One" "Two" "Three"

The waltz rhythm pattern is played : Bass Chord Chord
(Abbreviated : B C C)

The "Bass" is the root of the chord played an octave lower than the "Chord."

C
Bass Chord Trademark

C |C E G|

Bass Chord

Left hand alone:

C
Count: 1 2 3 1 2 3

Bass Chord Chord Bass Chord Chord

Right hand plays the melody while
Left hand plays the waltz rhythm pattern:

C

1 2 3 1 2 3

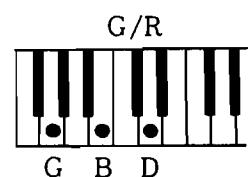
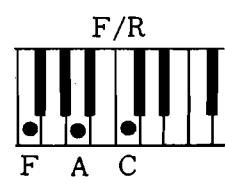
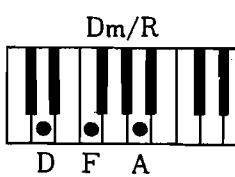
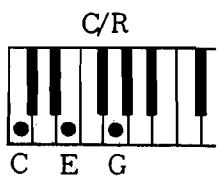
Bass Chord Chord Bass Chord Chord

B C C B C C

Coordination Exercise: Waltz #1.

Coordination exercises are designed to give the student an opportunity to practice coordinating rhythm patterns with simple melodies and chords.

In this coordination exercise the waltz rhythm pattern is abbreviated and placed below the count to help visualize the coordination of the melody and rhythm pattern.



Count:	1	2	3	1	2	3	1	2	3	1	2	3
Rhythm												
Pattern:	B	C	C	B	C	C	B	C	C	B	C	C

A musical staff in treble clef and common time. The first measure shows a dotted half note followed by a quarter note, labeled 'C'. The second measure shows a dotted half note followed by a quarter note, labeled 'F'. Below the staff, the notes are mapped to the B-C-C pattern for both measures.

The image shows the vocal line for the first section of the song 'Dancing Queen'. The music is in 3/4 time, treble clef, and G major. The lyrics 'Dancing Queen' are written below the notes. The vocal line consists of sustained notes on the first, third, and fifth beats of each measure, with a melodic flourish on the fourth beat of the third measure.

Dancing Queen

C G C

1 2 3 1 2 3 1 2 3 1 2 3

B C C B C C B C C B C C

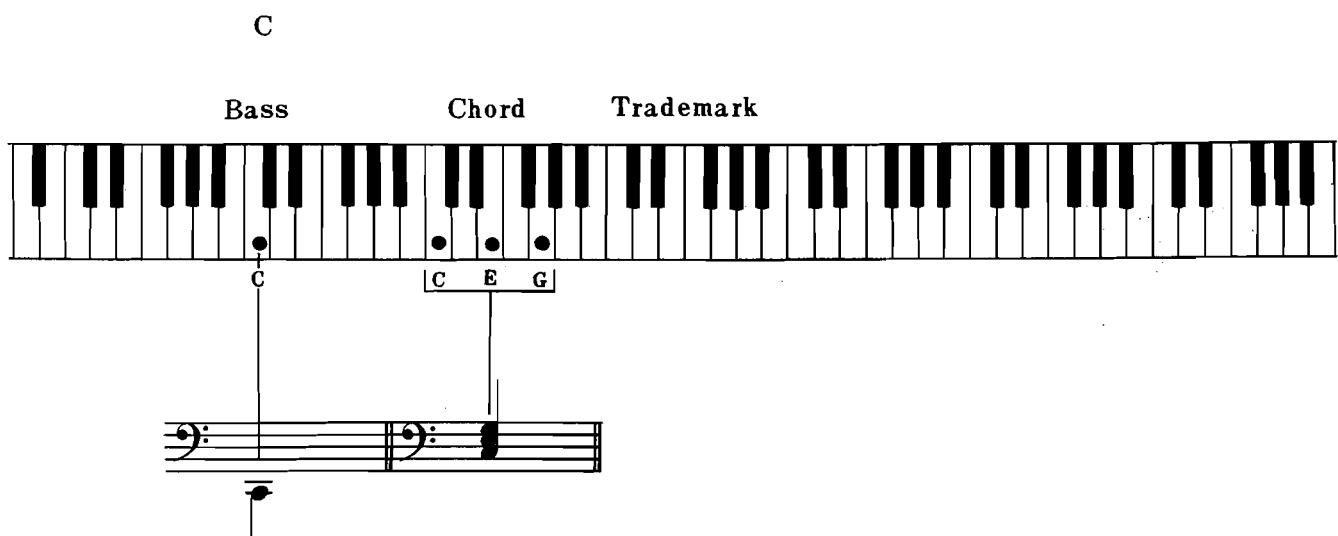
The Fox Trot Rhythm Pattern

The fox trot rhythm pattern is found in the time signature of $\frac{4}{4}$, sometimes written C (which means common time). This means that there are four counts per measure.

The fox trot rhythm pattern is counted: 1. 2. 3. 4.
 “One” “Two” “Three” “Four”

The fox trot rhythm pattern is played : Bass Chord Bass Chord
(Abbreviated : B C B C)

The "Bass" is the root of the chord and is played an octave lower the "Chord".

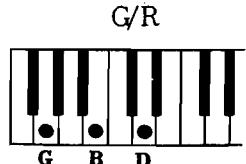
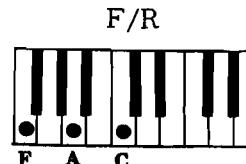
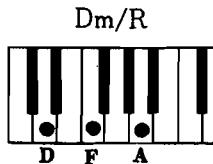
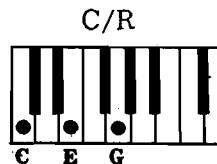


Left hand alone:

Right hand plays the melody while
Left hand plays the fox trot rhythm pattern:

Coordination Exercise: Fox Trot #1.

In this exercise the fox trot rhythm pattern has been abbreviated and placed below the count in order to help visualize the coordination of the melody and the rhythm pattern.



1 C **2** Dm **3** G

Count: 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4
Rhythm Pattern: B C B C B C B C B C B C B C B C

1 C **2** F **3** C **4** G

1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4
B C B C B C B C B C B C B C B C

1 C **2** F **3** C **4** G

1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4
B C B C B C B C B C B C B C B C

1 C **2** G **3** C **4** G

1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4
B C B C B C B C B C B C B C B C

The fox trot rhythm pattern is also used for fast tempos such as polkas and marches.

The fox trot rhythm pattern is often written in $\frac{2}{4}$ metre, also written as. $\frac{4}{4}$

In $\frac{2}{4}$ metre the fox trot rhythm pattern is counted : 1. + 2. +
 "One" "And" "Two" "And"

In $\frac{2}{4}$ metre the fox trot rhythm pattern is played : Bass Chord Bass Chord
 (Abbreviated : B C B C)

C
Bass Chord Trademark

Left hand alone:

C
Count: 1 + 2 + 1 + 2 +

Right hand plays the melody while
 the left hand plays the fox trot rhythm pattern:

C
Count: 1 + 2 + 1 + 2 +

Alternating the Bass.

Repeating the same bass note creates a certain monotony called the **droning effect**. To avoid the droning effect alternate the bass.

The following chart shows which chord-tones to use when alternating the bass:

Chord	Fundamental Bass	Alternating Bass
Major Chord	Root (R)	Fifth (5)
Minor Chord	Root (R)	Fifth (5)
Augmented Chord	Root (R)	Third (3)
Lowered Fifth Chord	Root (R)	Third (3)
Diminished Chord	Root (R)	Flattened Third (b3)

Here are some examples of the alternating bass a for C major Triad:

The diagram shows a piano keyboard with black and white keys. Above the keyboard, four labels point to specific notes: 'Fundamental' points to a black key on the far left; 'Alternating' points to a black key in the middle section; 'Bass' points to a black key under the label 'Fundamental'; 'Chord' points to a black key under the label 'Alternating'; and 'Trademark' points to a black key on the far right. Below the keyboard, a horizontal line connects the notes C, G, C, E, and G. The note C is at the first black key from the left. The note G is at the second black key. The note C is at the fourth black key, which is part of a three-note chord. The note E is at the fifth black key. The note G is at the sixth black key. Below the keyboard, two bass staves are shown. The top staff starts with a bass clef and has a vertical line extending downwards. The bottom staff starts with a bass clef and has a vertical line extending upwards. A small black dot is placed on the vertical line of the top staff, and another black dot is placed on the vertical line of the bottom staff.

Left hand alone:

C

Count: 1 2 3 1 2 3 1 2 3 1 2 3

Waltz 



B C C B C C B C C B C C

R 5 R 5

C

Count: 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4

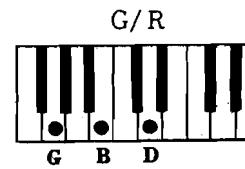
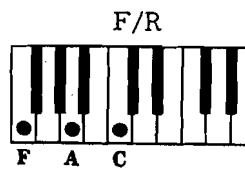
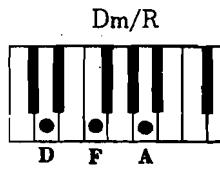
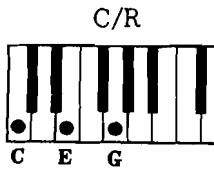
Fox Trot

B C B C B C B C B C B C B C B C

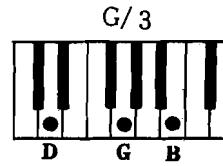
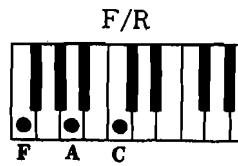
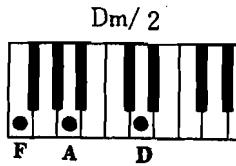
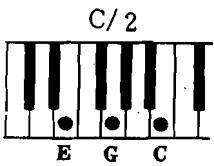
R 5 R 5 R 5 R 5 R 5

Using Different Chord Positions

When all of the chords in a song are played in root position the transitions between chords are not smooth because of the necessary hand movement up and down the staff:

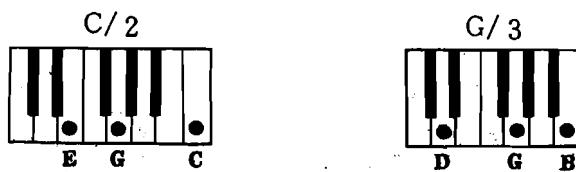


Smoother transitions between chords can be made by using different chord positions:



Alternating the Alternating Bass

Often in the transition between chords a droning effect occurs in the bass even though the bass is alternating:



C / 2 / C C / 2 / G G / 3 / G G / 3 / D

Count: 1 2 3 4 1 2 3 4

Droning Effect

Notice that the alternating bass for both chords is root and fifth (R and 5). The droning effect is created because of the repetition of the G bass notes in the transition between the C and G chords, C / 2 / G and G / 3 / G.

To avoid the droning effect simply alternate the alternating bass notes:

C / 2 / R C / 2 / G G / 3 / D G / 3 / G

Count: 1 2 3 4 1 2 3 4

Reversing the order of the alternating bass notes in the G chord now avoids the droning efect:

C / 2 / G - G / 3 / D

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 Songs of the Jazz Age - Book/CD set
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