Halfa Step upfrom last sharp

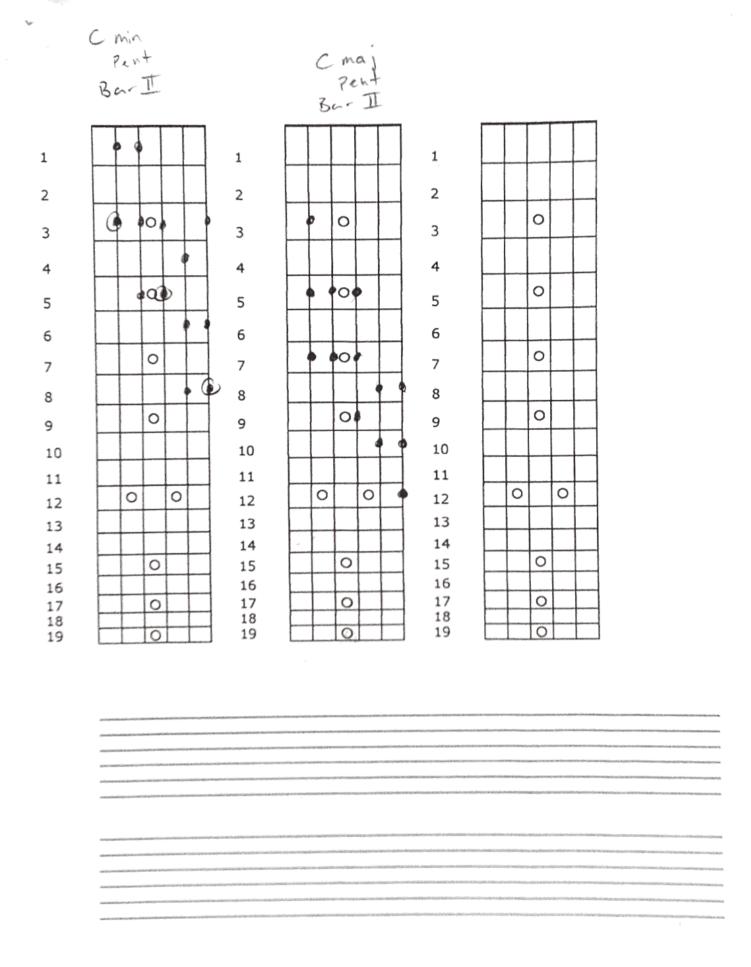
2 nd to last flat

Major Roman Numerals

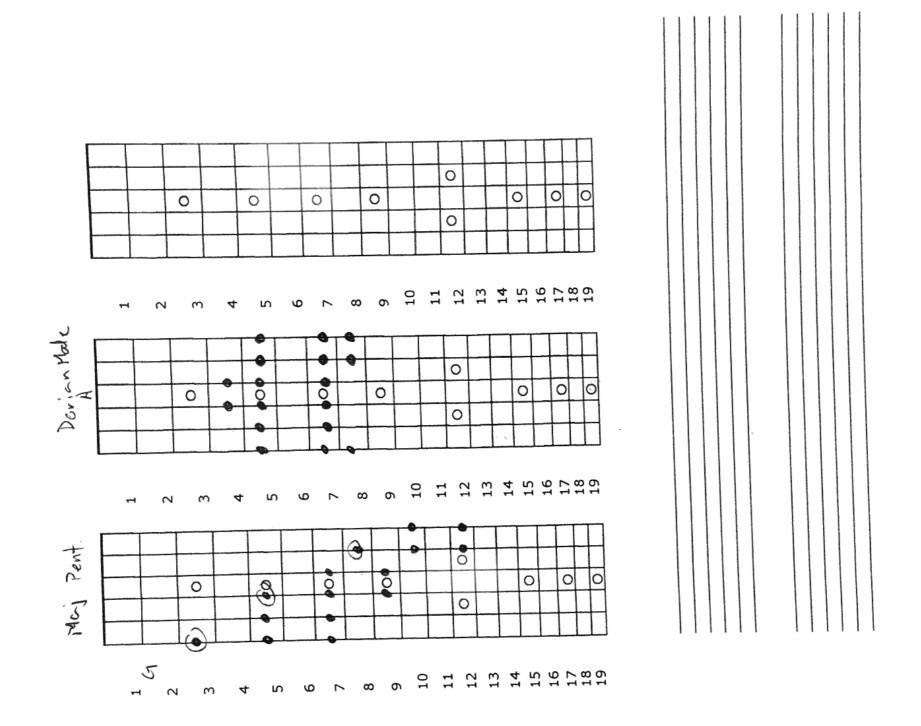
I ii III II VI VIII

I ii III iv V VII VIII

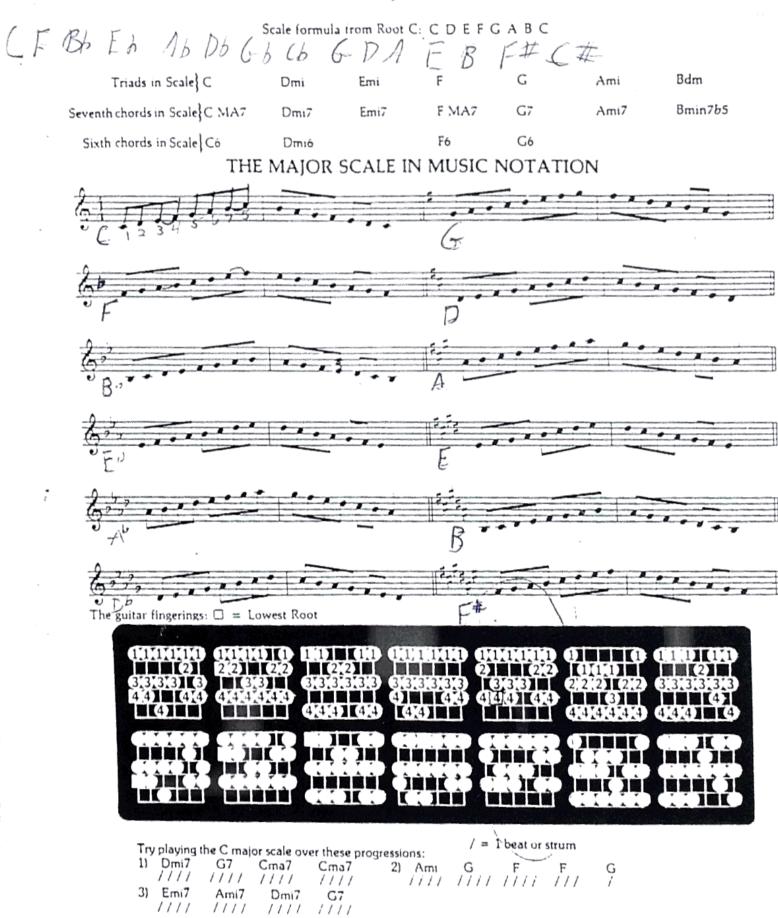
Minor



Minor A o o 14 15 16 17 18 18 * J. o o ω 12 13 14 15 16 16 17 18 10-



THE MAJOR SCALE



THE MAJOR PENTATONIC SCALE

Scale formula from Root C: C D E G A R 2 3 5 6 (13)

This scale is called the Major Pentatonic because 1) The interval from C to E is a major third, and helps to spell the chord C major, found in this scale (CEG); 2) "Pentatonic" comes from Greek/Latin "penta" meaning five. There are five notes in this scale.

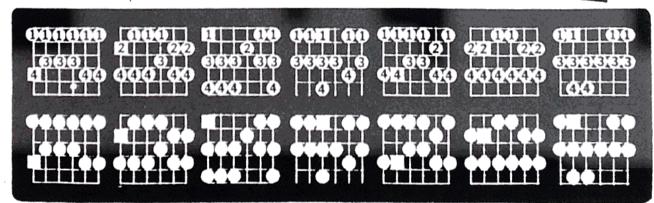
When two numerals are shown under a letter in the scale spelling (See the "D" note above) the numerals are there to indicate that the note has two functions or titles in the scale and its chords.

C D E F G A B C D E F G A 1 2 3 4 5 6 7 8 9 10 11 12 13

As you can see, the D note is both the 2nd note, and the 9th note of the C Major Scale. The A note is both the sixth and the thirteenth. You should keep this piece of info stored away for later use.

Please note: 1) that this scale is like the C major scale except that it's missing the 4th—F, and the 7th—B. 2) This scale spells a chord when all of the notes are sounded together. The chord is called C 6/9. C E G A D 1 3 5 6 9

THE MAJOR PENTATONIC SCALE IN MUSIC NOTATION



Try playing the C major pentatonic scale over the same progressions shown with the major scale.

= Lowest Root

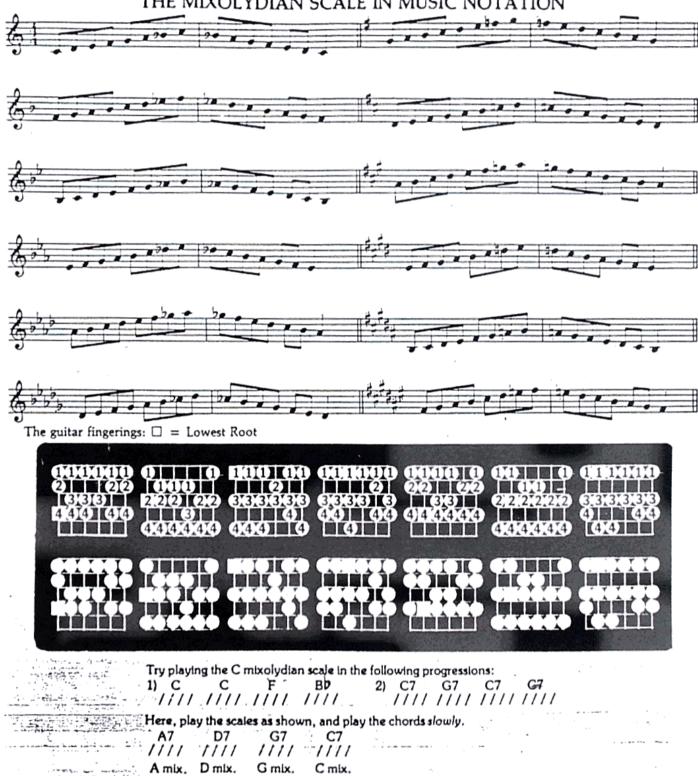
THE MIXOLYDIAN SCALE

Scale formula from Root C: C *b*7

In the C Mixolydian Scale we're calling the Bb note a b7. Why? Because we're comparing this C mixolydian scale to the C major scale. In the major scale the seventh note is B. Here it's lowered (flatted) to Bb. Hence the description b7.

We will do this throughout the book. The major scale and its notes are the ruler by which all other scales and their notes are measured and described.





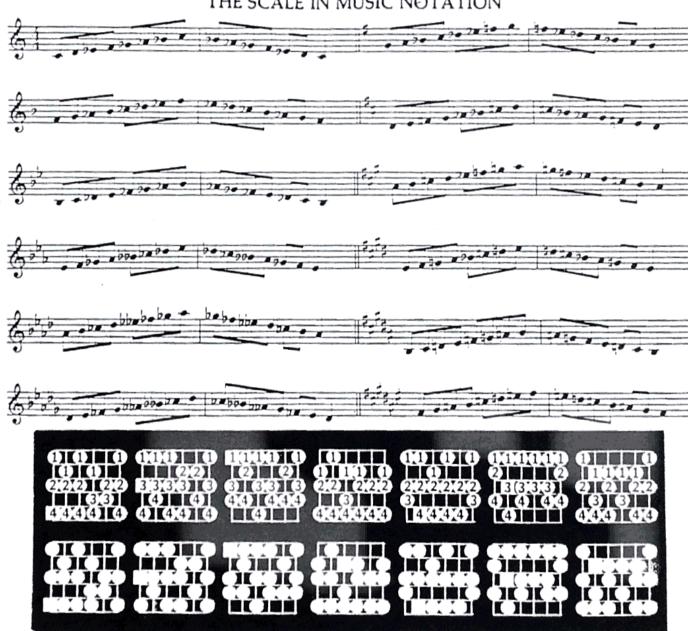
PMP 10

THE JM 6 SCALE

Scale formula from Root C: Gb Bb**b6** *b*7

JM6 refers to the fact that this scale was "created" by playing the Jazz Minor Scale from the sixth degree of the scale instead of the first, thus rearranging the sequence of intervals. The JM6 scale is in effect a "mode" of the Jazz Minor Scale.

THE SCALE IN MUSIC NOTATION



Another sound for mi7b5 chords — this time the scale contains a b6(*5) as well.

Cmi7b5 F7 Bbma7 Bbma7 1111 1111 1111 1111 C JM6 Bb Maj.

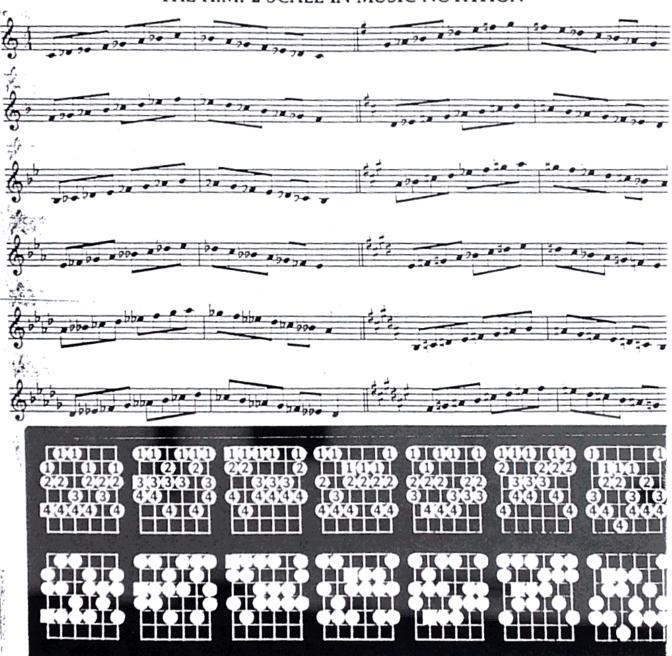
THE H.M. 2 SCALE

Scale formula from Root C:	C	Db	Еb	F	Gb	Α	ВЬ	C
	1	62	<i>b</i> 3	4	<i>b</i> 5	6	<i>b</i> 7	
		1-0	#0	11	#11		57	

HM2 refers to the fact that this scale was "created" by playing the Harmonic Minor Scale (HM) from the second degree of the scale instead of the first, thus rearranging the sequence—of intervals. The HM2 scale is in effect a "mode" of the Harmonic Minor Scale.



Seren



Once again this scale works with mi7b5 chords, but it contains more alterations. (This is my favorite.)

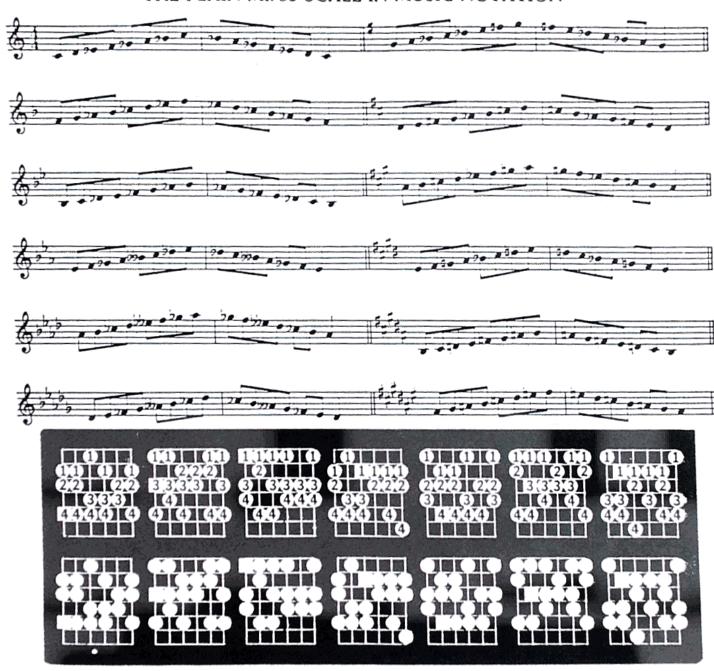
Cmi7b5 F7 Bbma7 Bbma7 //// //// //// //// C HM2 Bb Maj.

THE PLAIN Mi7b5 SCALE

(So called because the only alterations to the scale are the notes 1b3b5b7.)

Scale formula from Root C: C D Eb F Gb A Bb C

THE PLAIN MI7b5 SCALE IN MUSIC NOTATION



This scale works with the mi7b5 chord best of all. Try the example below.

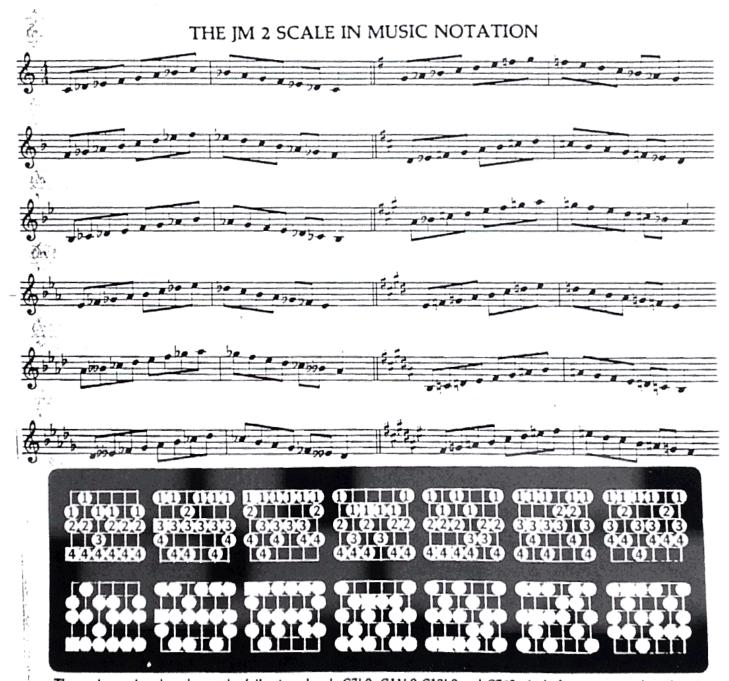
1) Cmi7b5 F7 Bbma7 Bbma7 2) Cm1765 F7 Bbmi7b5 Eb7 //// 1111 1111 1/// 1111 1111 1111 1111 C "Plain" Bb Maj. C"Plain" F Mix. Bb "Plain" Eb Mix.

THE JM 2 SCALE

Scale formula from Root C:

C	Db	Eb	F	G	Α	Bb	C
	<i>b</i> 2						
1	69	#9	11	5	13	Ь7	

JM2 refers to the fact that this scale was "created" by playing the Jazz Minor (JM) from the second degree instead of the first, thus rearranging the sequence of intervals. The JM2 scale is in effect a "mode" of the Jazz Minor Scale.



The scale can be played over the following chords C7b9, G11b9, C13b9 and C7#9. As before you can also play the scale over plain Dominant chords (not containing these altered sounds). Proceed as before

Gmi7 C759 Fma7 Fma7 //// 1111 //// 1111 F Maj. F Maj.

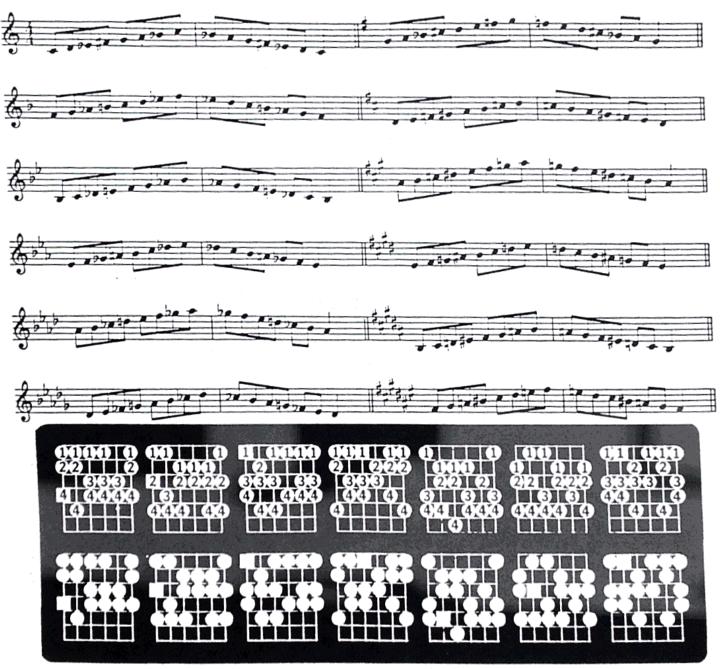
C JM2

THE HM 4 SCALE

Scale formula from Root C: C D Eb F# G A Bb C
1 2 b3 #4 5 6 b7

HM4 refers to the fact that this scale was "created" by playing the Harmonic Minor Scale (HM) from the fourth degree instead of the first, thus rearranging the sequence of intervals. The HM4 is in effect a "mode" of the Harmonic Minor Scale.

THE HM 4 SCALE IN MUSIC NOTATION



Once again, we have a scale that contains only two alterations, and functions with dominant chords; 7#9, 7b5, 7#9b5 13#11, and 9b5.

Gmi7 C7*9*5 Fma7 Fma7 //// //// //// FMaj. CHM4 FMaj.

THE JM 5 SCALE

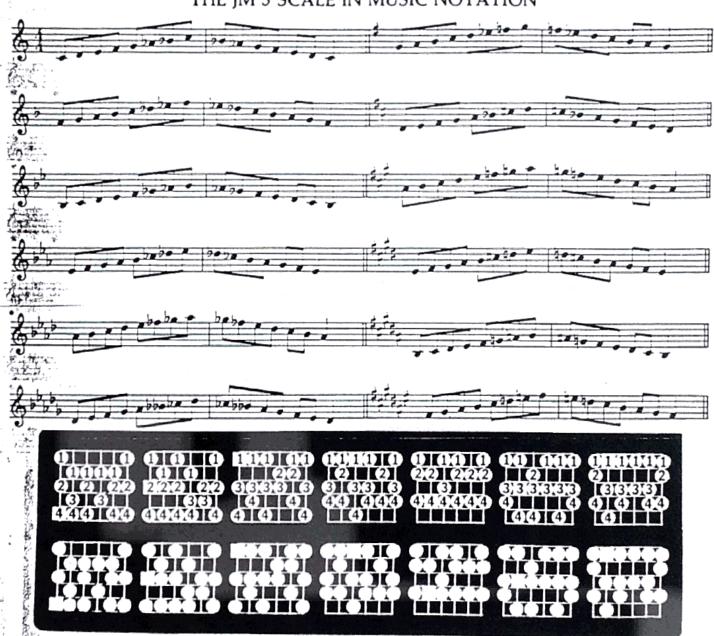
Scale formula from Root C: C D E F G Ab Bb C

1 2 3 4 5 b6 b7

9 11 #5

JM5 refers to the fact that this scale was "created" by playing the Jazz Minor Scale from the fifth degree of the scale instead of the first, thus rearranging the sequence of intervals. The JM5 is in effect a "mode" of the Jazz Minor Scale.





This scale can be used over 7#5 and 9#5 chords, and contains few other alterations.

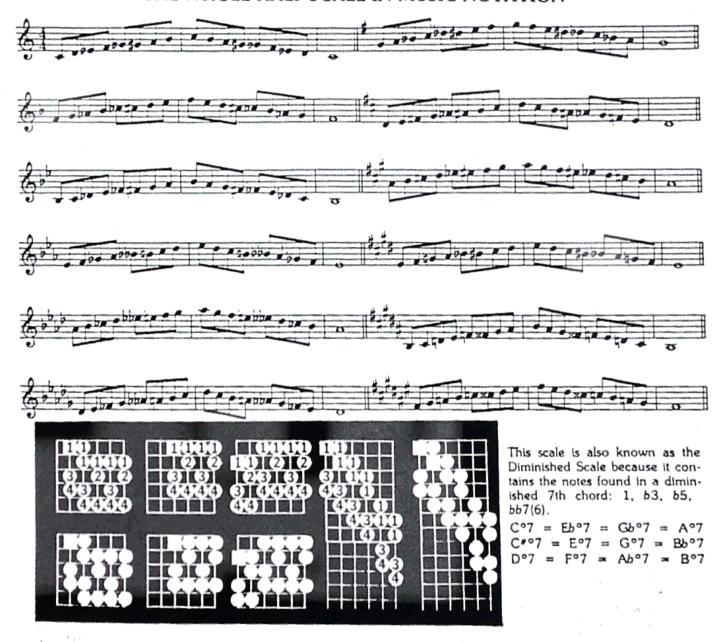
G Mi7 C9#5 Fma7 Fma7 //// //// //// //// F Maj. C J.M.5 F Maj.

THE WHOLE-HALF SCALE

Scale formula from Root C: C D Eb F F# G# A B C
1 2 b3 4 #4 #5 6 7

OK. This is the scale you just saw, started with the whole step first. . . . I'll admit that. How many different versions of this scale are there really? Does it repeat every two frets? Every three or four?

THE WHOLE-HALF SCALE IN MUSIC NOTATION



This scale fingering definitely requires some shifts, and the scale is used well over diminished chords.

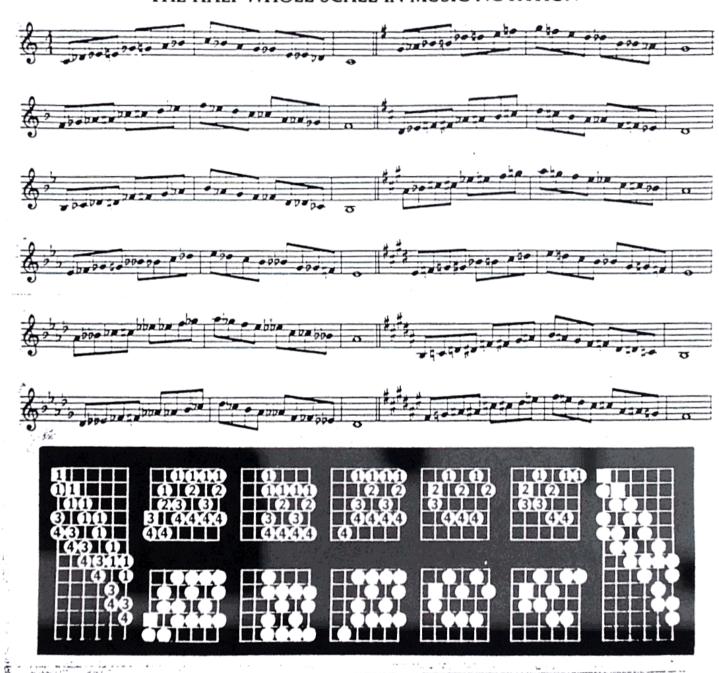
 Bma7 C°7 F#7 C#mi7 2) Cma7 C#97 Dmi7 G7 1111 //// 1111 1111 1111 1111 1/// 1/// B Maj. C Dim. B Maj. C Maj. C# Dim. C Maj.

THE HALF-WHOLE SCALE

Scale formula from Root C: C Db Eb E F# G A Bb C
1 b9 #9 3 #11 5 6 b7
b5 13

And yes, this scale is made by alternating half steps and whole steps between the notes. (Measure 'em if you don't believe me. . . .) This scale also contains 8 different tones instead of 7, which does turn the fingering around a little bit.

THE HALF-WHOLE SCALE IN MUSIC NOTATION



This scale can be played over 769, 1369, 13#11, 7#9, 7#5, 7#565, 9#11, and 76965 chords. (It's another spicy choice for plain dominant 7 chords too.)

Gmi7

C7b9(etc.)

Fma7

Fma7 / / / /

//// F Maj. //// C Half-whole

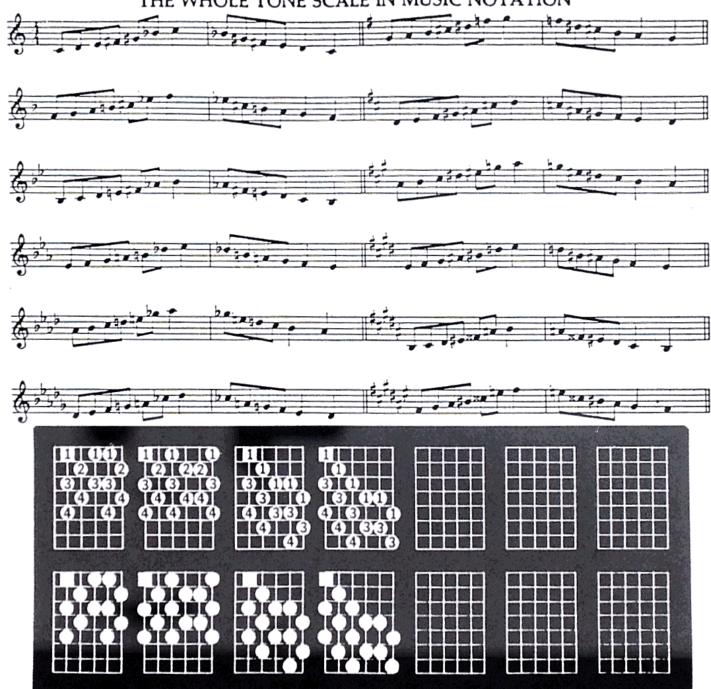
F Maj.

THE WHOLE TONE SCALE

Scale formula from Root C: C D E F# G# A# (8b) C
1 2 3 #4 #5 #6
9 #11 b7

OK, the origin of the name of this scale isn't so difficult. I'll admit. The distance between each note and its neighbor notes is a . . . whole tone . . . How many different whole tone scales are there really? Three, four? Does the scale repeat every few frets?

THE WHOLE TONE SCALE IN MUSIC NOTATION



C Whole Tone = D = E = F" = G" = A" Whole Tone Scales, C" Whole Tone = D" = E"(F) = G = A = B Whole Tone Scales, The Whole Tone Scale works well over dom, 7"5 and dom, 9"5 chords.

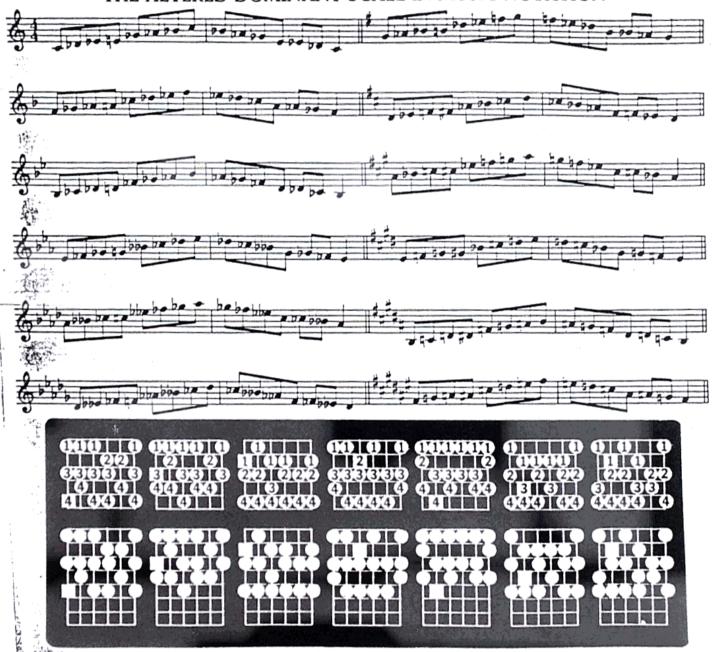
Gmi7 C9#5 Fma7 Fma7 //// //// //// //// F Maj. C Whole F Maj. Tone

THE ALTERED DOMINANT SCALE

C 1 FЬ Еb Gb Scale formula from Root C: DbAbBbC *b*2 **b3** #11 64 **b6** *b*7 69 #9 3 15 b5

The Altered Dominant Scale gets its name from the fact that it contains all of the alterations a dominant 7th chord can have—b9, 9, 55 5.

THE ALTERED DOMINANT SCALE IN MUSIC NOTATION



This scale can be played, with care, over 765, 7#5, 965, 9#5, 769, 7#9, 76965, 769#5 and 7#9#5 chords. You can also lay it over a plain dominant 7 chord and add a lot of "spice"

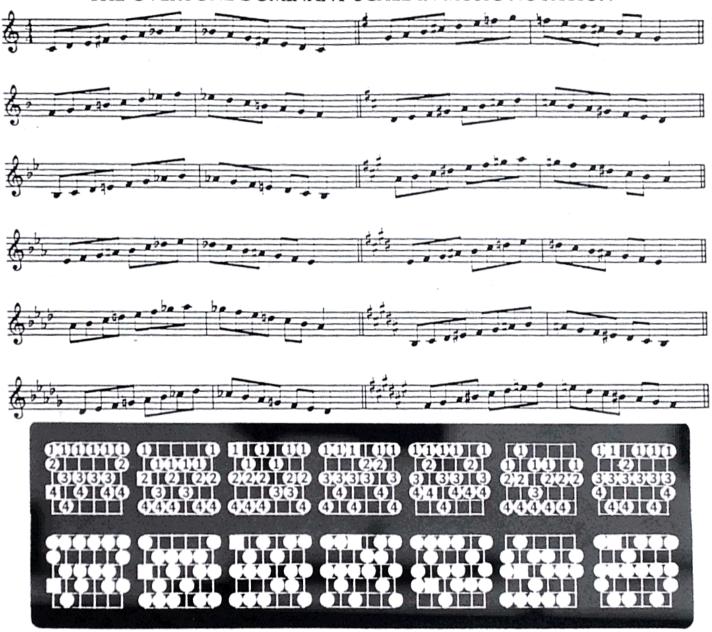
Gmi7 C7b9#5(etc.) Fmaj7 Fmaj7
//// //// ////
FMaj. CAlt. Dom. FMaj.

THE OVERTONE DOMINANT SCALE

Scale formula from Root C: C D E F# G A Bb C
1 2 3 #4 5 6 b7
9 #11 13

The overtone dominant scale is derived from playing the melodic minor scale from the 4th degree. We might want to call it "Melodic minor #4", but it has an even stronger identifying element than that. The notes in this scale approximate the natural overtone series.

THE OVERTONE DOMINANT SCALE IN MUSIC NOTATION



This scale can be used with dominant family chords, especially 9#11 and 13#11, where it sounds rich and full. Play the example below as illustrated.

Gmi7 C9#11 Fma7 Fma7 //// //// //// FMaj. C Over. F Maj.

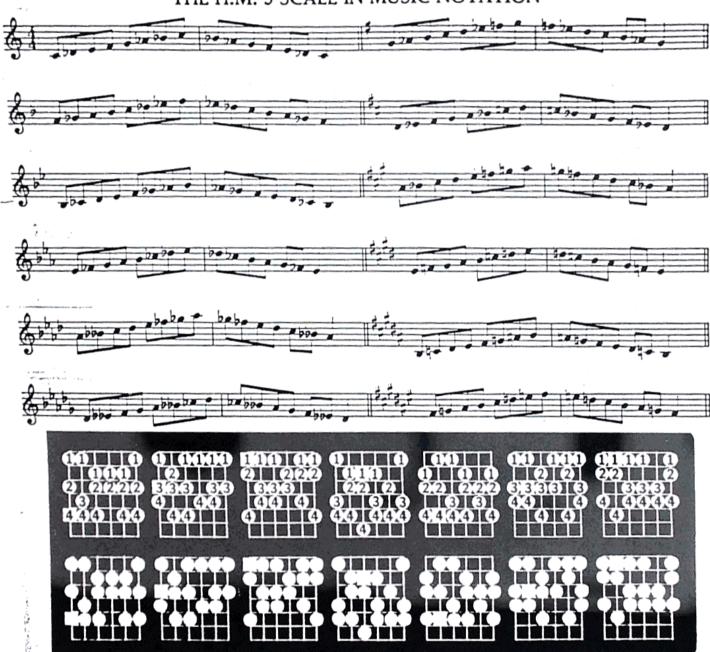
Dom.

THE H.M. 5 SCALE

Scale formula from Root C: C Db E F G Ab Bb C 1 b2 3 4 5 b6 b7 b9 11 #5

HM5 refers to the fact that this scale was "created" by playing the Harmonic Minor Scale (HM) from the fifth degree instead of the first, thus rearranging the sequence of intervals. The HM5 is in effect a "mode" of the Harmonic Minor Scale.

THE H.M. 5 SCALE IN MUSIC NOTATION



This scale is the first scale we're showing you that should be applied to one chord, i.e. you're going to have to change scales as the chords change.

1) Gm17 C769 D769 C11b9 Fma7 Fma7 Fma7 Ami7 Gm₁7 Fma7 -1111 --1111 1/// //// //// F Maj. F Maj. D H.M.5 F Mal. C H.M.5 CH.M.5 F Maj. G Maj.

THE MELODIC MINOR (JAZZ MINOR)

Scale formula from Root C:

D 2 Еb

*b*3

Triads in the Scale Cmi

C 1

Dmi

Eb +

Adim

Bdim

Seventh chords in the Scale Cmi/ma7

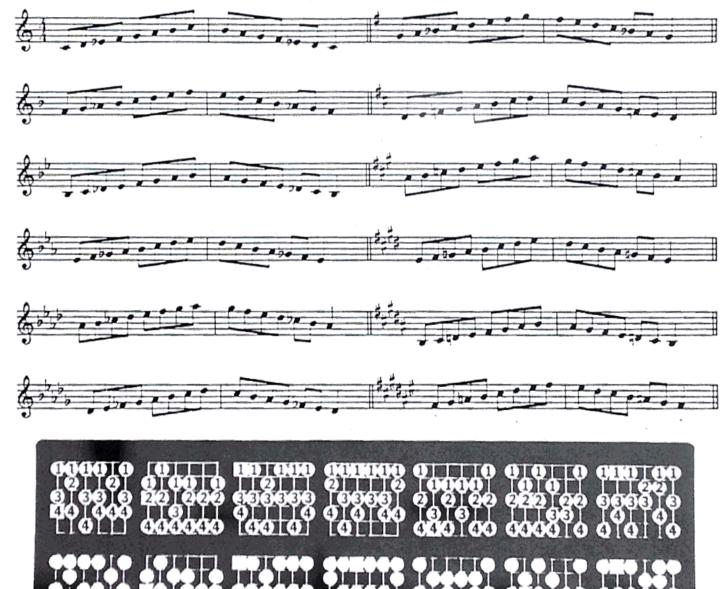
Dmi7

Ebma7#5

Ami7b5

Bmi7b5

THE MELODIC MINOR (JAZZ MINOR) IN MUSIC NOTATION



This progression should help you get the sound of this scale. Play C melodic minor over the changes.

1/1/

G7#5

Cm1(6)

THE HARMONIC MINOR SCALE

C C Scale formula from Root C: 63

Triads found in

the Scale "Seventh" chords Cmi

Ddim

Eb +

Fmi

Bdim

found in the Scale }

Cmi/ma7

Dmin7b5

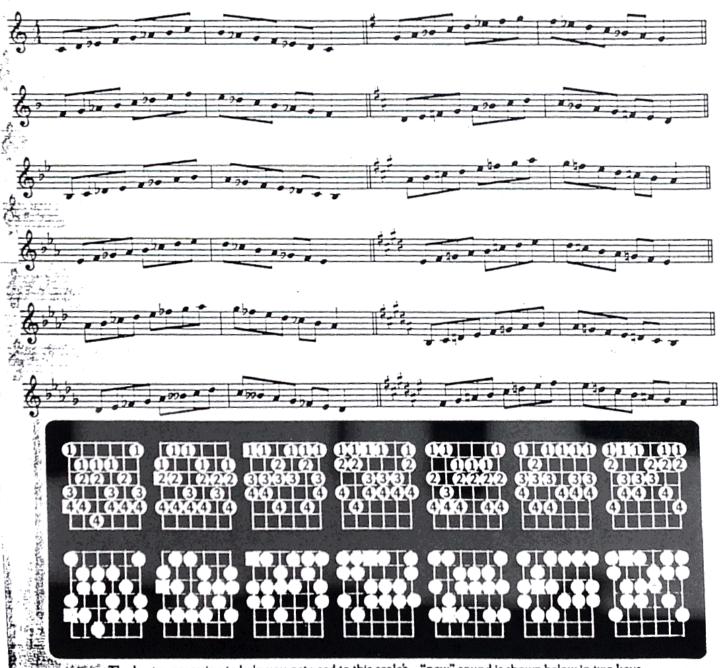
Ebma7#5

Fmi7

Abma7

Bdim7

THE HARMONIC MINOR SCALE IN MUSIC NOTATION



The best progression to help you get used to this scale's "new" sound is shown below in two keys.

1) Dmi765 G7(b9) Cmi Cmi 2) Bmi7b5 E7(b9) Ami Ami 1111 -1111 1111 . //// 1111 - 1111 - 1111 -////

A Harm. Minor C Harm. Minor

THE NATURAL MINOR SCALE

Scale formula from Root C \ C

D

F

G

Αb

Bb

C

Triads found in the Scale Cmi

Ddim

Eb

Еb

Fmi

Gmi

Αb

Bb

Seventh chords found in the Scale \ Cmi7

Dmin7b5 Ebma7

Fmi7

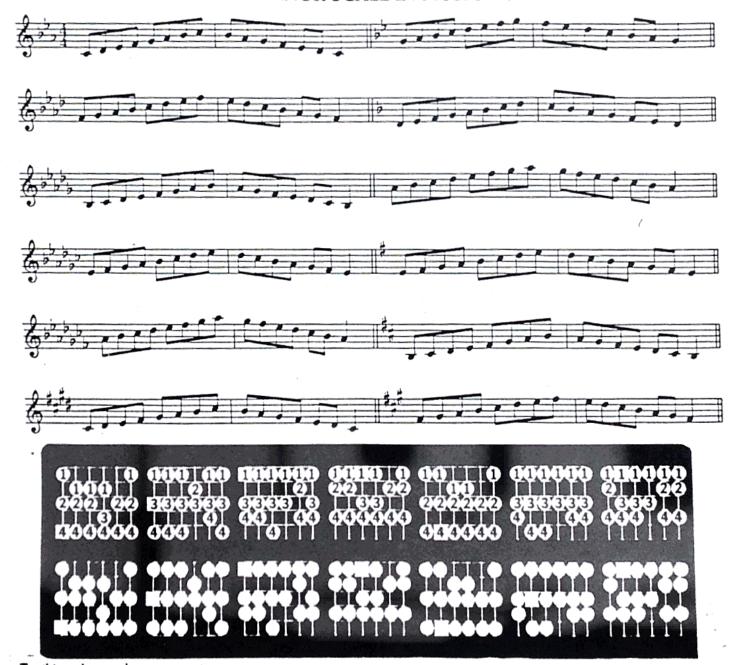
Gmi7

Abma7

Bbma7

This scale is really the major scale started from the sixth degree. That is, A natural minor equals C major. The question is, does that knowledge do you any good? What about key signatures? Does A natural minor have the same key signature as C major? If it does, how could you tell which scale/tonality you are playing in?

THE NATURAL MINOR SCALE IN MUSIC NOTATION



Try this scale over these progressions:

1) Ami7 Ami7 Dmi7 Dmi7 F

Dmi7 F G

Ami7 Ami7

2) Ami7

G Fma7

Fma7 ////

THE LYDIAN SCALE

The Lydian Scale is an unusual scale in that its only alteration is a #4 (b5). It has \$7! The only chords whose spellings coincide with this scale are: Major 765 (Major 7#11) Major 9b5 (major 9#11) Major 13#11

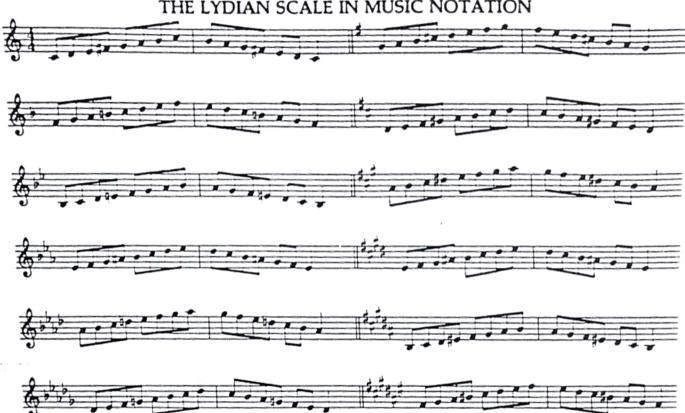
Scale formula from Root C:

Ε C D G 2 #4 b5 5

В 13

C





The guitar fingerings:

= Lowest Root

(1/1)1 + (1/1)

The Lydian Scale is very useful in playing over Major chords occurring out of the key. Try the following example:

Eb# Dm17 G7 G7 Am7 1111 1111 //// //// 1111 1111 CLydian G Major Ami7 arp. C Major Scale Eb Lydlen C Major

G7 C major scale C Major Ab Lydlan

The more you play the Lydian Scale the m natural the scale becomes to your ear. For m players the Lydian is a preferred choice to Major Scale. They might use the Lydian anyw a Major Scale could be used.

G7

1111

So far all of the scales we've seen belong together in a single group. The special qualification these scales have is IMPROVISING WITH SCALES WE'VE SEEN SO FAR this. EACH OF THESE SCALES MAY BE PLAYED OVER AN ENTIRE PROGRESSION. YOU DO NOT HAVE TO CHANGE SCALES WHEN YOU CHANGE CHORDS. The examples below will illustrate this more clearly. Before we see those examples, however, I'd like to discuss briefly the scale similarities and how they effect improvising.

The major coals and the major particle of the scale similarities and how they effect improvising.

The major scale and the major Pentatonic scale can be used interchangeably because the major Pentatonic is actual-

The major Pentatonic can also be used instead of the Mixolydian (examples 5-6). The major scale and Mixolydian scale have only one difference—the 7th (in C Major the 7 is B; in C Mixolydian, the 7 is Bb). This is a big difference—the 7th (in C Major the 7 is B; in C Mixolydian, the 7 is Bb). ly inside the major scale. (See Examples 1-2.)

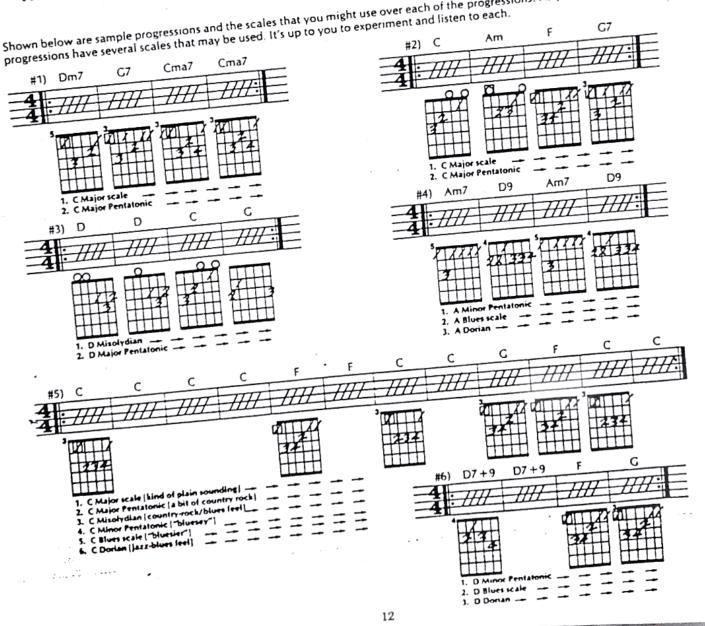
We have a similar situation in the minor scale area. The minor Pentatonic scale is inside the Dorian scale and the in sound!! (Compare the scales and play all the examples.)

EMPHASIZING THE DIFFERENCE IN SCALES is the key to learning the special sounds each scale contains. To Blues scale. If you'll look at the examples you'll see how the scales can be used. hear the major scale spend 450 weeks playing solos that always start on the \$7 note (the B note in the C major scale). To hear the mixolydian scale, start 10,751 solos with the b7 note (a Bb note in a C Mixolydian scale). TIP (About 1500) if consider it could be a complete to the ball of the could be a complete to the complete to the could be a complete to the comp 15%, if service is good): Try building licks and solos in both these scales starting 7 to 3, 3 to 7, b7 to 3 or 3 to b7.

In the minor code. In the minor scale area . . . Once you've bored your head full of the minor Pentatonic scale, move to the Dorian and large and links on the O.D. is the 9th note in C.D. as he 2.14 in the 2.15 in the

start all your solos and licks on the 9 (D is the 9th note in C Dorian) or the 6 (A is the 6th note in C Dorian) you'll get a very smooth, jazzy sound. Then take the blues scale and start solos with the notes #4 - 5. That's the sound there. You can combine major and minor scale sounds by playing the b3 note (from minor) and then the \$3 note.

Shown below are sample progressions and the scales that you might use over each of the progressions. As you can see, some



THE DORIAN SCALE

2 mil scre

Scale formula from Root C: C D Eb F G A Bb G

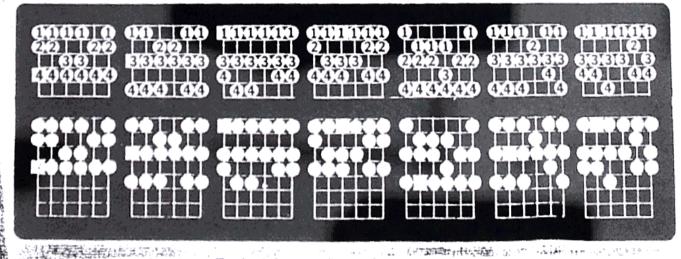
This "scale" is really the major scale started from the second degree. That's a cute fact that might help you finger scale, but will confuse you if you try improvising and transposing at the same time. (C dorian = Bb major scale)

THE DORIAN SCALE IN MUSIC NOTATION



The guitar fingerings:

= Lowest Root



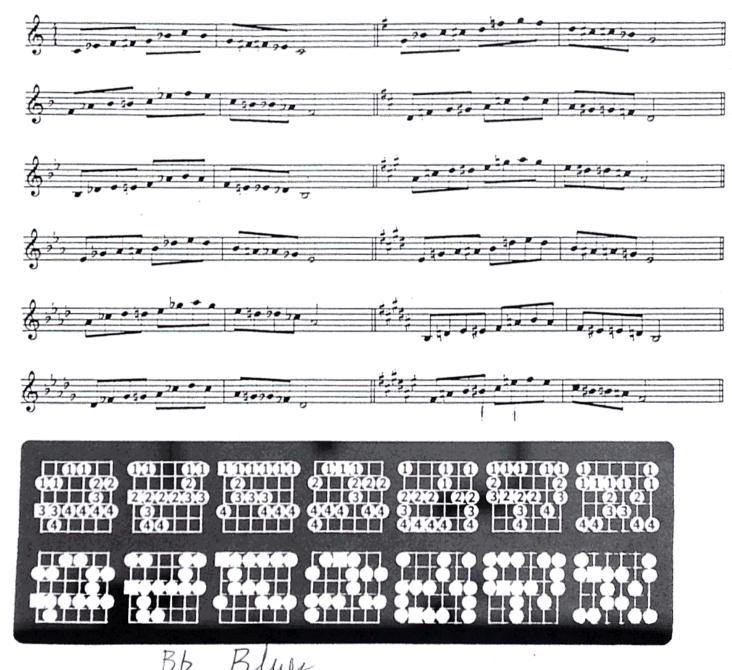
Try the A dorian scale over these progressions: ...

1) A7*9 E G 2) Amt7 D9 //// // // //

THE BLUES SCALE

As you can see, the Blues Scale is really just the minor pentatonic scale with another note added, the #4. This one note adds an interesting and powerful sound however, and is of major importance in rock, blues, and jazz improvising. The guitar fingerings require a little jockeying around and all seven are not "required" for that reason.

THE BLUES SCALE IN MUSIC NOTATION



Play the A blues scale with the progression examples shown for the dorian and minor pentatonic scales.

BOLED BOLBOLED ED BOLBO FLED BOLBO

THE MINOR PENTATONIC SCALE

Еb

Scale formula from Root C:

C

5

*b*7

Here you can see that we're calling Eb a b3 because in the C Major scale the third note is E.

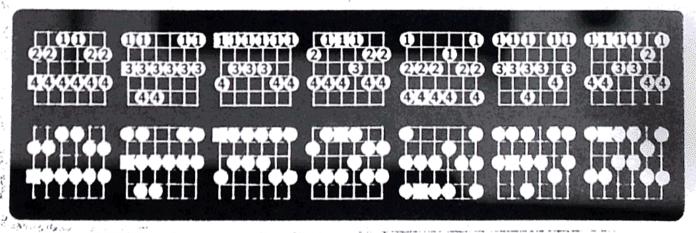
This scale is called the Minor Pentatonic because C Eb G Bb spells a C mi 7 chord, and the scale contains 5 differen notes.

THE MINOR PENTATONIC SCALE IN MUSIC NOTATION



The guitar fingerings:

= Lowest Root



Try the A minor pentatonic scale over these progressions:

1) Ami7 ... D9 Ami7 D9 1111 1111 1111 1111

2) Ami7 ... Dmi7 ... Ami7 ... Ami7 ... 1111 ////

////

3)A7#9

Does the A minor pentatonic resemble the C major pentatonic in any way??

THE LOCRIAN SCALE

Scale formula from Root C:

C 62 63

Gb b5

bó

#5

*b*7

67

C

Triads in the Scale Cdim

Db

Ebmi

Fmi

#11

Bbmi

Seventh chords in the Scale Cmi7b5

Dbma7

Ebmi7 Fmi7 Gbma7 Ab7 Bbmi7

"Sixth" chords in the scale}

Db6

Ebmi6

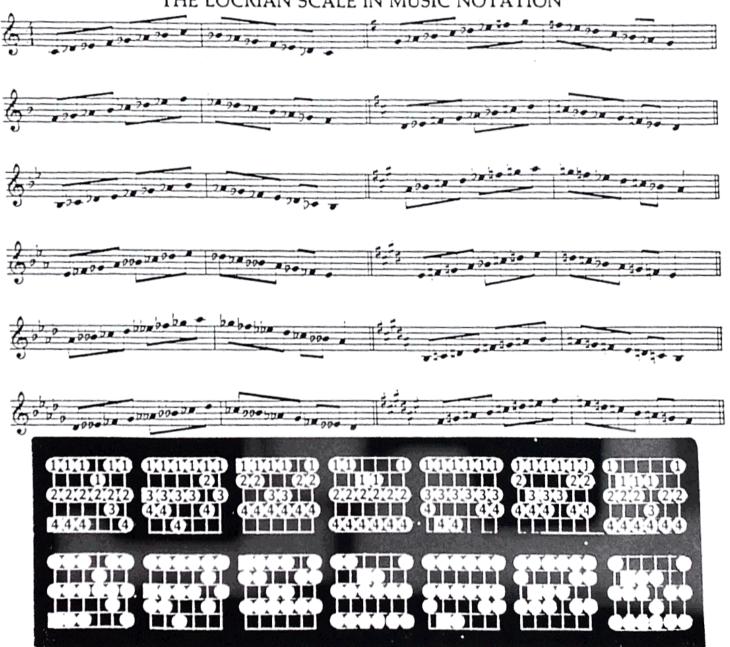
Gb6

Gb

Ab6

B Locrian has the same notes as C major. I just wanted to let you know.

THE LOCRIAN SCALE IN MUSIC NOTATION



This mode of the Major Scale contains the most alterations you can have over a mi7b5 chord. This is getting "farther out" when the mi7b5 chord is behaving as a ii chord.

> Cm₁7_b5 1111

F7 1111

Bbma7 1111

Bbma7 1///

C Locrian

Bb Major