

a cappella

# "Desperate Measures"

A Quick Reference For Personal Composer by Thomas Parks © 2001

Alt+0169 = ©

T.c: 00 Min : 31 Sec

Piccolo sounds 1 octave higher.

MIDI Middle C = C4  
Handbell Middle C<sub>4</sub> = C5

(Port-Channel-Patch)

A-1-72 Stem up  
Piccolo / Flute III  
A-2-73 Stem down

A-2-73  
Flute I - II

A-3-68  
Oboe I - II

A-4-69  
English Horn

Sounding down a 5th

A-5-71  
Bb Clarinet I-II

Sounding down a 2nd

A-6-70  
Bassoon I-II

A-7-70  
Contrabassoon

Sounding down 8va

A-8-56  
Trumpet in C I-II

A-9-60  
French Horn in F I-II

Sounding down a 5th

A-9-60  
French Horn in F III-IV

A-11-57  
Trombone I-II

A-12-57 Stem up  
Bass Trombone / Tuba

A-13-58 Stem down

A-14-12 A-15-31 (Aux.)  
Marimba | Chimes

A-14-12 A-16-14 (Aux.)  
Marimba | Tube Bells

A-14-12 Marimba

B-13-47  
Timpini

A-10-00

F4=Hi Timbale  
A3=Suspended Cymbal  
E2=Hi Snare  
D2=Lo Snare

E4=Lo Conga  
C4=Hi Bongo  
D3=Hi Tom  
C#3=Crash Cymbal  
F2=Lo Tom

B-10-00

B-2-116  
Bass Drum

B-3-46  
Harp

Violin I

B-1-48 B-5-40  
Strg. Ens. | Violin

Pizz. | Trem.  
B-6-45 B-7-44

Violin II

B-8-41  
Viola

Viola | Viola

Pizz. | Trem.  
B-6-45 B-7-44

B-9-42  
Cello

Cello | Cello

Pizz. | Trem.  
B-6-45 B-7-44

B-11-43 Arco (W/Bow)  
Contrabass

B-12-32 Pizzicato

Sounding down 1 octave.

**# / b Order:**

**#: FCGDAEB**

**b: BEADGCF**

<b>Page Setup</b> 8 1/2 x 14" Legal	<b>Page Layout</b>
Staff Size: 6 Choral	Staff Sep. 9.00
Measures/Line: 8	Staffs/System: 25
1.15 Margins 1.00	Systems/Page: 1
.75	

English Horn Staffs: 1 more # or 1 less b.  
Staff transposed down a 5th.

Dancers need break after 32 to 48 measures.

Bb Clarinet Staffs: 2 more # or 2 less b.  
Staff transposed down a 2nd.

Key Name: 1/2 step higher than last #.  
Next to last b.

<b>G4</b>	<b>Major Key:</b> C C# Db D Eb	<b>E</b>	<b>F</b>	<b>F#</b>	<b>Gb</b>	<b>G</b>	<b>Ab</b>	<b>A</b>	<b>Bb</b>	<b>B</b>	<b>Cb</b>
	<b>Rel. Minor Key:</b> Am A#m Bbm Bm Cm	<b>C#m</b>	<b>Dm</b>	<b>D#m</b>	<b>Ebm</b>	<b>Em</b>	<b>Fm</b>	<b>F#m</b>	<b>Gm</b>	<b>G#m</b>	<b>Ab</b>
<b>Relative Minor scale starts on 6th of Major.</b>											
<b>Eb4</b>	<b>#:</b>	0	7	0	2	0	4	0	6	0	1
<b>Bb4</b>	<b>b:</b>	0	0	5	0	3	0	1	0	6	0
<b>Sounds 1 octave lower than written.</b>											

**Piston's Chord Progressions:**

**Tonic:** I, IV, V, VI, II, III.

**Supertonic:** II, V, IV, VI, I, III

**Mediant:** III, VI, IV, I, II, V.

**Subdominant:** IV, V, I, II, III, VI.

**Dominant:** V, I, IV, VI, II, III

**Submediant:** VI, II, V, III, IV, i.

**Leading Tone:** VII (Note below Tonic)

**Leading Tone:** VII, I, III, VI, II, IV, V.

**Chord Ratio:**

5th: 3

3rd: 2

Root: 4

5 Octave Handbell set.  
Middle C=C5

**Tube Bells (8 in set)**

30" Max. E2 Good Ab2

29" Max. G#2 Good C3

26" Max. C#3 Good Eb4

23" Max. D3 Good G3

**Harp Pedals: DCB | EFGA**

**PCHarp Font**

f = Flat g = Sharp h = Nat. j = Divide Line

**Strong Degree: Root... Weak: III & VI**

**Strong Progression: 4th to 5th... Weak: 3rd to 6th.**

**Strings**

1 = E  
2 = A  
3 = D  
4 = G

**Cadence at end: IV or V ending on I**

**Strong Cadences: II, I, V, I. or IV, I, V, I.**

**Key Change in Major: I to V or Relative Minor.**

**Key Change in Minor: I to V or Relative Major.**

**Modulate Key change: Old II, V, New I.**

**Double 5th... Avoid 3rd. Old VI, IV, II, V, New I.**

G	A	B	C	D	E	F#	F#
E	F#	F	G#	G	A	B	C#
C	D	Dm	E	Em	F	G	A
A	Am	B	Bm				

**Common Chords:** Do not double

Output Destination: This staff only.

**MIDI Pan settings:**

Piccolo / Flute III	2	<b>MIDI Pan Control #10</b>						
Flute I - II	32	Left <<< (Au used in "Osiris" ballet) >>> Right						
Oboe I - II	48	2	32	48	64	80	96	127
English Horn	64	Marimba / Chimes		Bells	Toms / C.Cymbal	Snare / S.Cymbal	Timpini	Bass Drum
Bb Clarinet I-II	80	Harp	Trumpet I-II		Fr.Horn I-II	Fr.Horn III-IV	Trombone I-II	Trombone III Tuba
Bassoon I-II	96	Piccolo Flute III	Flute	Oboe	Eng.Horn	Clarinet	Bassoon	Contrabassoon
Contrabassoon	127	Violin II		Violin I	Viola	Cello	Contra Bass	

  

**Circle of Fifths**

  

**MIDI Pan settings:**

Trumpet in C I-II	48	<b>Circle of Fifths</b>								
French Horn in F I-II	64	C / Ab								
French Horn in F III-IV	80	F / Dm 1b		G / Em 1#		Bb / Gm 2b		D / Bm 2#		
Trombone I-II	96	Eb / Cm 3b				A / F#m 3#				
Bass Trombone / Tuba	127	Ab / Fm 4b		E / C#m 4#		Db Bbm 5b				
Marimba   Chimes	32	Db Bbm 5b		B / G#m 5#		Gb / Ebm 6b = F# / D#M 6#				
Marimba   Tube Bells	32	Hard Mallets								
Marimba	32	p								
Timpini	96	Note value invokes MIDI drum type.								
F4=Hi Timbale	80	E4=Lo Conga								
A3=Suspended Cymbal	64	C4=Hi Bongo								
E2=Hi Snare	48	D3=Hi Tom								
D2=Lo Snare		C#3=Crash Cymbal								
		F2=Lo Tom								
Bass Drum	48									

  

**Violin Finger Positions**

Range: G3 to E7

Open Strings

Violin I

Strg. Ens. | Violin Pizz. | Trem.

Violin II

Viola

Viola | Viola Pizz. | Trem.

Cello

Cello | Cello Pizz. | Trem.

Contrabass

  

**Guitar Capo:**

Play:

Open: C G

Changed to:

Fret 1: Db Ab

2: D A

3: Eb Bb

4: E B

5: F

  

**Choral Voice Ranges:**

Sop.MZ.Alto.Contr.Ten.Bar.Bass. B.Profundo

C4

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## Intervals in Chords

Key of C

Measures 16-28: Chord diagrams and interval descriptions for measures 16, 18, 20, 24, 26, and 28. Chords include Maj, Min, dim, aug, 6th, m6, Maj7, dom7, m7, dim7, aug7, sus, sus7, 9th, and m9.

Measures 13-19: Empty staves for Marimba, Timpini, and Percussion.

Measures 21-28: Empty staves for Violin I, Violin II, Viola, Cello, and Contrabass.