



Centrifugal Force

SEAN O'LOUGHLIN

Instrumentation

Full Score	1
Flute	8
Oboe (Opt. Flute 2)	2
B $\flat$ Clarinet 1	6
B $\flat$ Clarinet 2	6
Bass Clarinet	2
Bassoon	2
Alto Saxophone	4
Tenor Saxophone	2
Baritone Saxophone	2
B $\flat$ Trumpet 1	6
B $\flat$ Trumpet 2	6
Horn in F	4
Trombone	4
Euphonium	2
Baritone T.C.	2
Tuba	4
Timpani (G: C)	2
Mallets	2
Chimes, Bells	
Percussion 1	2
Snare Drum, Bass Drum	
Percussion 2	6
Mark Tree, Tam-tam, Suspended Cymbal, Triangle, Tambourine, Crash Cymbals	



ABOUT THE COMPOSER



Sean O'Loughlin (b.1972) is the Principal Pops Conductor of Symphoria, the exciting new symphony in Syracuse, NY and the newly appointed Principal Pops Conductor of the Victoria Symphony in Victoria, B.C. Canada. His music is characterized by vibrant rhythms, passionate melodies, and colorful scoring. As a conductor and arranger, he has led performances with the Boston Pops Orchestra, the San Francisco Symphony, the Chicago Symphony, the Hollywood Bowl Orchestra, the Minnesota Orchestra, the Dallas Symphony, the Atlanta Symphony, the Houston Symphony and the Seattle Symphony amongst others. He has served as conductor for national and world-wide tours with Josh Groban, Sarah McLachlan, and the Jerry Garcia Symphonic Celebration. He has also appeared on ABC's Good Morning America with Josh Groban and NBC's "A Very Pentatonix Christmas."

Recent collaborations include such artists as Sarah McLachlan, Adele, Josh Groban, Pentatonix, Steven Tyler and Joe Perry, Kelly Clarkson, Diana Ross, Journey, Melissa Etheridge, Weird Al Yankovic, Blue Man Group, Janelle Monáe, Audra McDonald, Hall and Oates, Gloria Estefan, the Indigo Girls, Diana Krall, Itzhak Perlman, Brandi Carlile, Martina McBride, and others.

Through his growing number of commissioned and published works, Sean is excited to continue contributing to the rich history of orchestral and wind band literature. His music is published by Excelcia Music, Hal Leonard and Carl Fischer. He is a frequent guest conductor with professional orchestras around the country and abroad. An annual ASCAP Special Awards winner, Sean was a composition fellow at the Henry Mancini Institute in Los Angeles, and holds composition degrees from New England Conservatory and Syracuse University.

CENTRIFUGAL FORCE

By definition, centrifugal force is an apparent force that acts outward on a body moving around a center. We hear this term used a lot to describe objects that are spinning. As I was looking for inspiration for a composition, this term came to mind and I wanted to explore what this would look and sound like in music.

I try not to be too literal in writing music based on a text or phrase, but there are some subtle hints of circular elements in this piece. The opening few bars contain a melodic element that revolves around concert G. It goes below and then above it. The main melody follows at bar 12 with a little more expansion of this concept. But mostly, I wanted to create a memorable melody to build the entire composition around.

The opening melodic element now becomes a rhythmic element too at bar 21 as the music begins to move ahead. The main melody takes on a new energy at bar 29. The low voices elongate the melody at bar 37 while the upper voices maintain the rhythmic energy.

There's a tonal shift to C minor/major at bar 52. It almost has a heroic quality to it with lots of bold lines and thick chords. The opening melodic material returns at bar 62, but this time it has a rhythmic pulsing underneath it. It creates a tension that is released in a dramatic way at bar 79. This is one of the biggest moments of the piece. After one more heroic-style setting, the music dissolves into a quiet, echo of an ending.



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SEAN O'LOUGHLIN
(ASCAP)

Misterioso $\text{♩} = 72$

Flute *p*

Oboe (Opt. Flute 2) *p*

B♭ Clarinet 1 *p*

B♭ Clarinet 2 *p*

Bass Clarinet *p*

Bassoon *p*

Alto Saxophone *p*

Tenor Saxophone *p*

Baritone Saxophone *p*

Misterioso $\text{♩} = 72$

B♭ Trumpet 1

B♭ Trumpet 2

Horn in F

Trombone

Euphonium

Tuba

Timpani (G: C) *p*

Mallets (Bells) *p*

Percussion 1 (Bass Drum, Snare Drum) *p*

Percussion 2 (Mark Tree, Tam-tam, Suspended Cymbal, Triangle, Tambourine, Crash Cymbals) *p*

Mark Tree

Tam-tam

Mark Tree

Suspended Cymbal

1 2 3 4 5 6

12

Fl. *f* *p* *mf*

Ob. *f* *p* *mf*

B♭ Cl. 1 *f* *p* *mf*

B♭ Cl. 2 *f* *p* *mf*

B. Cl. *f* *p* *mf*

Bsn. *f* *p* *mf*

A. Sax. *f* *p* *mf*

T. Sax. *f* *p* *mf*

B. Sax. *f* *p* *mf*

12

B♭ Tpt. 1 *p* *mf* *mf*

B♭ Tpt. 2 *p* *mf* *mf*

Hn. *p* *mf* *mf*

Tbn. *p* *mf* *p* *mf*

Euph. *p* *mf* *p* *mf*

Tuba *p* *mf* *p* *mf*

Timp. *p* *mf*

Mal. *f* *p*

Perc. 1 *f* *p* *p* *mf* *Sus. Cym.*

Perc. 2 *f* *p* *p* *mf*

Triangle

Tam-tam

7

8

9

10

11

12

13

ICB2205FS

21 Allegro ♩ = 132

Fl.

Ob.

B♭ Cl. 1

B♭ Cl. 2

B. Cl.

Bsn.

A. Sax.

T. Sax.

B. Sax.

B♭ Tpt. 1

B♭ Tpt. 2

Hn.

Tbn.

Euph.

Tuba

Timp.

Mal.

Perc. 1

Sus. Cym.

Perc. 2

p *f* Tambourine

20

21

22

23

24

29

Fl.

Ob.

B♭ Cl. 1

B♭ Cl. 2

B. Cl.

Bsn.

A. Sax.

T. Sax.

B. Sax.

29

B♭ Tpt. 1

B♭ Tpt. 2

Hn.

Tbn.

Euph.

Tuba

Timp.

Mal.

Perc. 1

Perc. 2

Sus. Cym.

25 26 27 28 29 30

ICB2205FS

Fl.

Ob.

B♭ Cl. 1

B♭ Cl. 2

B. Cl.

Bsn.

A. Sax.

T. Sax.

B. Sax.

B♭ Tpt. 1

B♭ Tpt. 2

Hn.

Tbn.

Euph.

Tuba

Timp.

Mal.

Perc. 1

Perc. 2

p *f*

31 32 33 34 35 36

37

Fl. *mf*

Ob. *mf*

B $\flat$ Cl. 1 *mf*

B $\flat$ Cl. 2 *mf*

B. Cl.

Bsn.

A. Sax. *mf*

T. Sax.

B. Sax.

37

B $\flat$ Tpt. 1

B $\flat$ Tpt. 2

Hn.

Tbn.

Euph.

Tuba

Timp.

Mal. *mf*

Perc. 1

Crash Cymbals

T.-tam

Perc. 2

47

48 49 50 51 52 53

Fl.

Ob.

B♭ Cl. 1

B♭ Cl. 2

B. Cl.

Bsn.

A. Sax.

T. Sax.

B. Sax.

B♭ Tpt. 1

B♭ Tpt. 2

Hn.

Tbn.

Euph.

Tuba

Timp.

Mal.

Perc. 1

Perc. 2

Sus. Cym.

p $\longrightarrow$ *f*

54

55

56

57

58

59

62

Fl.

Ob.

B♭ Cl. 1

B♭ Cl. 2

B. Cl.

Bsn.

A. Sax.

T. Sax.

B. Sax.

62

B♭ Tpt. 1

B♭ Tpt. 2

Hn.

Tbn.

Euph.

Tuba

Timp.

Mal.

Perc. 1

Cr. Cym.

T.-tam

Mark Tree

Perc. 2

71

[illegible]

ICB2205FS

88

Fl.

Ob.

B♭ Cl. 1

B♭ Cl. 2

B. Cl.

Bsn.

A. Sax.

T. Sax.

B. Sax.

B♭ Tpt. 1

B♭ Tpt. 2

Hn.

Tbn.

Euph.

Tuba

Timp.

Mal.

Perc. 1

Perc. 2

rit.

f

Sus. Cym.

p *f*

95 **Maestoso** ♩ = 100 **Misterioso** ♩ = 72

Fl. *ff*

Ob. *ff*

B♭ Cl. 1 *ff*

B♭ Cl. 2 *ff*

B. Cl. *ff*

Bsn. *ff*

A. Sax. *ff*

T. Sax. *ff*

B. Sax. *ff*

95 **Maestoso** ♩ = 100 **Misterioso** ♩ = 72

B♭ Tpt. 1 *ff*

B♭ Tpt. 2 *ff*

Hn. *ff*

Tbn. *ff*

Euph. *ff*

Tuba *ff*

Timp. *ff*

Mal. *ff*

Perc. 1

Perc. 2

Cr. Cym.

T.-tam

23

24

25

26

27

28

29

30

31

32

33

34

35

36

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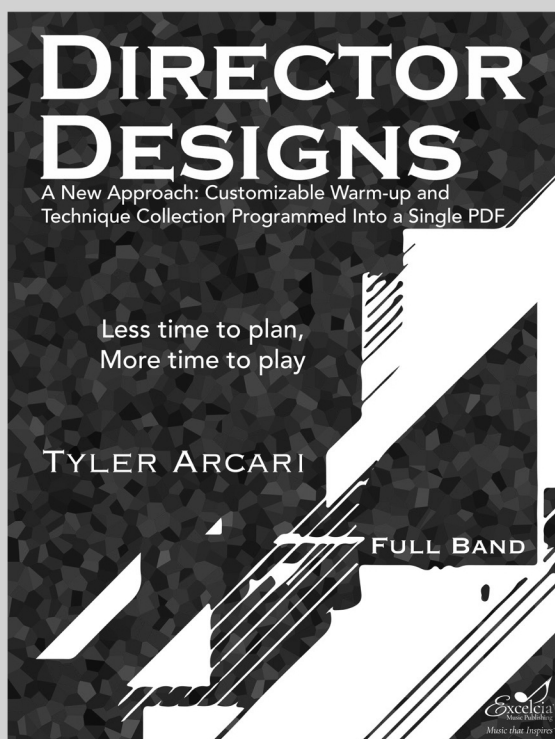
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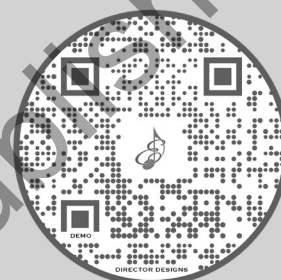
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C Inst. (High)

F Major Scale with arpeggio (E♭ Concert)

B♭ Inst.

C Major Scale with arpeggio (E♭ Concert)

ght

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Exercises

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Concert F Major

C Inst. (High)

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Rhythm 3(4/4)

Design

Rhythm 12(3/4)

Design

Rhythm 11(3/4)

Rhythm 12(3/4)

Rhythm 13(3/4)

Rhythm 14(3/4)

Rhythm 15(3/4)

Design

Lip Flexibility

Exercises

Select from box, then press [Design]

Design

W.W. Flexibility #2 (Brass Lip Slur #2)

C Inst. (+Mallets)

Lip Flexibility 3

Lip Flexibility 4

Lip Slur 1

Lip Slur 2

Lip Slur 3

C MAJOR-Exercise 1

C MAJOR-Exercise 1

F MAJOR-Exercise 1

F MAJOR-Exercise 1

B-Flat MAJOR-Exercise 1

B-Flat MAJOR-Exercise 1

B-Flat MAJOR-Exercise 1

B-Flat MAJOR-Exercise 1

B-Flat MAJOR-Exercise 1

B-Flat MAJOR-Exercise 1

B-Flat MAJOR-Exercise 1

B-Flat MAJOR-Exercise 1

B-Flat MAJOR-Exercise 1

B-Flat MAJOR-Exercise 1

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