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# STARS

for Large Orchestra

By

**Matt Wetmore**

B.M., East Carolina University, 2012

A Thesis

Submitted to the Faculty of the  
School of Music of the University of Louisville  
in Partial Fulfillment of the Requirements  
for the Degree of

Master of Music in Music Composition

Department of Composition  
University of Louisville  
Louisville, Kentucky

May 2015

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# STARS

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**Matt Wetmore**

B.M., East Carolina University, 2012

A Thesis Approved on

May 1, 2015

by the Following Thesis Committee:

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Krzysztof Wołek, Thesis Director

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Marc Satterwhite

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Fred Speck

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## PROGRAM NOTES

**STARS** is a work for full orchestra depicting four of the known stars in our galaxy. Each movement is a character piece musically illustrating a particular star by a separate pitch collection: the first movement, *Sol*, depicts our very own sun rising in the morning sky, blooming slowly from the lowest register to the highest, and uses elements of the pentatonic pitch collection to do so. The second movement, *Sirius*, shows the fun, playful, and unpredictable side of the titular dog star, also the brightest star in our night sky. Here, a version of the diatonic set that freely and frequently switches between major and minor is used to keep the listener on their toes. Next, the whole tone scale and a half step-minor third hexatonic scale combine to paint a picture of sailing on the ocean at night, guided by the north star Polaris. Finally, we come to VY Canis Majoris, a star so terrifyingly huge the only way I could think to depict it accurately was by having the orchestra play fortissimo for the duration of the short final movement. A jarring octatonic cluster moves and transforms throughout the movement, evoking images of the shifting blood red surface of this star which is so large that, were it in our own solar system, its outer edge would reach past Saturn. Each movement's pitch collection is also represented in certain structural considerations of the movement itself and of the work as a whole, as well as in a distinct half-step motive common to all movements, transforming as it moves through this journey among the stars.

## PERFORMANCE NOTES

An arrow pointing across empty measures indicates that the player should continue an action, usually aleatoric, for the duration of the arrow.

All extended techniques and alternative notation are explained in the score and parts next to the technique or notation in question.

Vibraphone pitch bend is executed by placing a mallet on the node of a bar, bowing that bar, then moving the mallet on the bar away from the node in either direction.

## ABOUT THE COMPOSER

**MATT WETMORE** (b. 1989) has composed works across a variety of media, from solo and chamber works to large ensembles and electronics. He has received numerous commissions and has arranged works for Danish composer Bent Sørensen. He earned his Bachelor's in Music Theory and Composition at East Carolina University studying under Ed Jacobs, Mark Taggart, Mark Richardson and Marc Faris, and is currently in pursuit of his Master's in Music Composition at the University of Louisville, studying under Krzysztof Wólek. Learn more, listen to samples, and contact him directly at [www.matt-wetmore.com](http://www.matt-wetmore.com).



## INSTRUMENTATION

3 Flutes [all dbl. picc.]

3 Oboes

2 Clarinets in Bb

Bass Clarinet in Bb

2 Bassoons

Contrabassoon

4 Horns in F

3 Trumpets in Bb

2 Trombones

Bass Trombone

Tuba

Timpani

4 Percussionists:

I. Crotales, Claves, Suspended Cymbal, Tambourine, Floor Tom, Wood Block, Glockenspiel, Marimba, Almglocken, China Cymbal, Crash Cymbal, Sizzle Cymbal

II. Vibraphone, Wood Block, Crash Cymbal, Suspended Cymbal, Slapstick, Hi-Hat, Crotales [shared with I], Tam-Tam, Bell Tree, Triangle, Snare Drum, Tambourine

III. Triangle, Suspended Cymbal, Log Drum, Snare Drum [shared with II], Vibraphone [shared with II], Chimes, Tam-Tam [shared with II], Bass Drum

IV. Chimes [shared with III], Bass Drum [shared with III], Marimba [shared with I], Kick Bass, Log Drum [shared with III], Triangle, Sleigh Bells

Piano

Strings

## DURATIONS

I. Sol 4'

II. Sirius 6'

III. Polaris 8'

IV. VY Canis Majoris 2'

**TOTAL WORK: 20'**

# STARS

## I. Sol

### A Sunrise

Matt Wetmore (2015)

Transposed Score

Subdued  $\text{♩} = 40$

This page contains a transposed musical score for the piece 'STARS I. Sol A Sunrise' by Matt Wetmore. The score is written for a large ensemble and includes the following parts:

- Flute 1, 2, 3
- Oboe 1, 2, 3
- Clarinet in B $\flat$  1, 2
- Bass Clarinet
- Bassoon 1, 2
- Contrabassoon
- Horn in F 1-2, 3-4
- Trumpet in B $\flat$  1, 2, 3
- Trombone 1, 2
- Bass Trombone
- Tuba
- Timpani (with notes B, C $\sharp$ , E, F $\sharp$ )
- Percussion 1 (Crotales, Claves)
- Percussion 2 (Vibraphone, Wood Block, Crash Cymbal)
- Percussion 3 (Triangle, Suspended Cymbal, Log Drum) - includes a Triangle *l.v.* instruction
- Percussion 4 (Chimes, Bass Drum, Marimba)
- Piano
- Violin I, II
- Viola
- Cello
- Contrabass (with *Div.* instruction)

The score is in 4/4 time and begins with a tempo of  $\text{♩} = 40$ . The dynamic marking *pp* (pianissimo) is used throughout. The piece consists of 7 measures, with measure numbers 1 through 7 indicated at the bottom of the page.

Musical score for a symphony orchestra, measures 8-13. The score is arranged in systems, with each instrument or section on a separate staff. The instruments listed are:

- Fl. 1, Fl. 2, Fl. 3
- Ob. 1, Ob. 2, Ob. 3
- B♭ Cl. 1, B♭ Cl. 2
- B. Cl.
- Bsn. 1, Bsn. 2, C. Bn.
- Hn. 1-2, Hn. 3-4
- B♭ Tpt. 1, B♭ Tpt. 2, B♭ Tpt. 3
- Tbn. 1, Tbn. 2, B. Tbn., Tuba
- Timp.
- Perc. 1, Perc. 2, Perc. 3, Perc. 4
- Pno.
- Vln. I, Vln. II
- Vla.
- Vc.
- Cb.

Key musical features include:

- Measures 8-9:** Flutes 1, 2, and 3 play melodic lines. Bassoon 2 features a triplet. Horns 1-2 and 3-4 play a melodic line with a first ending bracket. Trombone 1 and 2 play a melodic line with a triplet. Percussion 3 has a triplet. Piano features a triplet. Viola and Violoncello play a melodic line with a triplet.
- Measures 10-11:** Horns 1-2 and 3-4 play a melodic line with a first ending bracket. Trombone 1 and 2 play a melodic line with a triplet. Percussion 3 has a triplet. Piano features a triplet. Viola and Violoncello play a melodic line with a triplet.
- Measure 12:** Horns 1-2 and 3-4 play a melodic line with a first ending bracket. Trombone 1 and 2 play a melodic line with a triplet. Percussion 3 has a triplet. Piano features a triplet. Viola and Violoncello play a melodic line with a triplet.
- Measure 13:** Horns 1-2 and 3-4 play a melodic line with a first ending bracket. Trombone 1 and 2 play a melodic line with a triplet. Percussion 3 has a triplet. Piano features a triplet. Viola and Violoncello play a melodic line with a triplet.

Dynamic markings include *p*, *mp*, *mf*, *sfz*, and *p*. Performance instructions include *I.*, *a2*, *l.v.*, *Suspended Cymbal scrape w/ tgl beater l.v.*, *sul pont. ord.*, and *gr-*.



This musical score page, numbered 18, features 28 staves for various instruments. The instruments are arranged as follows: Flutes 1-3 (Fl. 1, 2, 3), Oboes 1-3 (Ob. 1, 2, 3), Clarinet in B-flat 1-2 (B♭ Cl. 1, 2), Bassoon 1-2 (Bsn. 1, 2), Contrabassoon (C. Bn.), Horns 1-2 and 3-4 (Hn. 1-2, 3-4), Trumpets in B-flat 1-3 (B♭ Tpt. 1, 2, 3), Trombones 1-2 (Tbn. 1, 2), Tuba, Timpani (Timp.), Percussion 1-4 (Perc. 1-4), Piano (Pno.), Violin I (Vln. I), Violin II (Vln. II), Viola (Vla.), Violoncello (Vc.), and Contrabass (Cb.).

The score includes dynamic markings such as *p*, *mp*, *mf*, *pp*, and *mf*. Performance instructions include *quicksly*, *gliss*, and *l.v.*. The Percussion section includes specific instrument labels: Claves, Wood Block, Log Drum, and Marimba. The Piano part features sixteenth-note patterns. The Viola and Contrabass parts include glissando markings. The page is divided into measures 18, 19, and 20.

Fl. 1  
Fl. 2  
Fl. 3  
Ob. 1  
Ob. 2  
Ob. 3  
B♭ Cl. 1  
B♭ Cl. 2  
B. Cl.  
Bsn. 1  
Bsn. 2  
C. Bn.  
Hn. 1-2  
Hn. 3-4  
B♭ Tpt. 1  
B♭ Tpt. 2  
B♭ Tpt. 3  
Tbn. 1  
Tbn. 2  
B. Tbn.  
Tuba  
Timp.  
Perc. 1  
Perc. 2  
Perc. 3  
Perc. 4  
Pno.  
Vln. I  
Vln. II  
Vla.  
Vcl.  
Cb.

*pp*  
*mf*  
*fp*  
*p*  
*mp*  
*pp*  
*p*  
*mf*  
*pp*  
*mf*  
*pp*  
*mf*  
*pp*  
*mf*  
*mf*  
*pp*  
*mf*  
*mf*  
*mf*  
*pp*  
*mf*  
*pp*  
*mf*  
*mf*

Crotales  
L.v.  
Div.  
gliss  
Div. a 3  
gliss  
gliss

21 22 23 24

This musical score page covers measures 25 through 28. The woodwind section (Flutes 1-3, Oboes 1-3, Clarinets, Bassoons, Horns, Trumpets, Trombones, and Tuba) features complex rhythmic patterns, including sixteenth-note runs and triplets. Dynamics are marked from *pp* to *mf*. The brass section (Tuba) has a prominent sixteenth-note pattern in measure 28. Percussion includes a *mf* bass drum hit in measure 28. The piano part provides harmonic support with chords and arpeggios. The string section (Violins I & II, Viola, Violoncello, and Contrabass) includes *sul pont.* (sul ponticello) markings and *Unis.* (unison) passages in measures 26 and 27. The score concludes with a *mf* dynamic in measure 28.

This page of a musical score contains the following parts and details:

- Flutes (Fl. 1-3):** Melodic lines with triplets and sixteenth-note patterns.
- Oboes (Ob. 1-3):** Ob. 1 has a dynamic of *f* and later *mf*; Ob. 2 and 3 have *mf*.
- Clarinets (B♭ Cl. 1-2, B. Cl.):** B♭ Cl. 1-2 have melodic lines; B. Cl. has a rhythmic pattern with *mf* dynamics.
- Bassoons (Bsn. 1-2, C. Bsn.):** C. Bsn. has a rhythmic pattern with *mf* dynamics.
- Horns (Hn. 1-2, 3-4):** Silent.
- Trumpets (B♭ Tpt. 1-3):** B♭ Tpt. 1-2 have *f* dynamics; B♭ Tpt. 3 has *p* and a *bend* instruction.
- Trombones (Tbn. 1-2, B. Tbn.):** Tbn. 1-2 have *fp* dynamics.
- Tuba:** Rhythmic pattern with *mf* dynamics.
- Timpani (Timp.):** Rhythmic pattern with *mf* dynamics.
- Percussion (Perc. 1-4):** Silent.
- Piano (Pno.):** Enters with *f* dynamics.
- Violins (Vln. I, II):** Vln. I has *p* and *mf* dynamics; Vln. II has *p* and *mf* dynamics.
- Viola (Vla.):** *p* and *mf* dynamics.
- Violoncello (Vc.):** Rhythmic pattern with *mf* dynamics.
- Double Bass (Cb.):** Rhythmic pattern with *mf* dynamics.



This is a page of a musical score for an orchestra. The score is organized into systems, each with a staff label on the left. The instruments included are:

- Flutes 1, 2, 3 (Fl. 1, Fl. 2, Fl. 3)
- Oboes 1, 2, 3 (Ob. 1, Ob. 2, Ob. 3)
- Bass Clarinets 1, 2 (B♯ Cl. 1, B♯ Cl. 2)
- Bass Clarinet (B. Cl.)
- Bassoons 1, 2 (Bsn. 1, Bsn. 2)
- Contrabassoon (C. Bn.)
- Horns 1-2, 3-4 (Hn. 1-2, Hn. 3-4)
- Trumpets 1, 2, 3 (B♯ Tpt. 1, B♯ Tpt. 2, B♯ Tpt. 3)
- Trombones 1, 2 (Tbn. 1, Tbn. 2)
- Bass Trombone (B. Tbn.)
- Tuba (Tuba)
- Timpani (Timp.)
- Percussion 1, 2, 3, 4 (Perc. 1, Perc. 2, Perc. 3, Perc. 4)
- Piano (Pno.)
- Violin I (Vln. I)
- Violin II (Vln. II)
- Viola (Vla.)
- Violoncello (Vc.)
- Contrabass (Cb.)

The score features complex rhythmic patterns, including sixteenth-note runs and triplets, with various dynamics such as *mf* (mezzo-forte) and *f* (forte). There are also performance markings like "6" (sixteenth-note groups) and "3" (triplets). Some parts include first, second, and third endings, indicated by "I.", "II.", and "III.".

Fl. 1

Fl. 2

Fl. 3

Ob. 1

Ob. 2

Ob. 3

B♭ Cl. 1

B♭ Cl. 2

B. Cl.

Bsn. 1

Bsn. 2

C. Bn.

Hn. 1-2

Hn. 3-4

B♭ Tpt. 1

B♭ Tpt. 2

B♭ Tpt. 3

Tbn. 1

Tbn. 2

B. Tbn.

Tuba

Timp.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno.

Vln. I

Vln. II

Vla.

Vc.

Cb.

*f*

*fp*

I.

II.

Marimba

FL. 1

FL. 2

FL. 3

Ob. 1

Ob. 2

Ob. 3

B♭ Cl. 1

B♭ Cl. 2

B. Cl.

Bsn. 1

Bsn. 2

C. Bn.

Hn. 1-2

Hn. 3-4

B♭ Tpt. 1

B♭ Tpt. 2

B♭ Tpt. 3

Tbn. 1

Tbn. 2

B. Tbn.

Tuba

Timp.

Perc. 1  
Crash Cymbal

Perc. 2  
Triangle

Perc. 3

Perc. 4  
gliss. from any low note to any high note

Pno.

Vln. I

Vln. II

Vla.

Unis.

Vc.

Cb.

*ff*

*f*

*mp < f*

*8va*

*sim*

*rip.*

*choke*

*any notes*

38 39 40

# II. Sirius

## The Dog Star

Playful ♩ = 120

Flute 1

Flute 2

Flute 3

Oboe 1

Oboe 2

Oboe 3

Clarinet in B $\flat$  1

Clarinet in B $\flat$  2

Bass Clarinet

Bassoon 1

Bassoon 2

Contrabassoon

Horn in F 1-2

Horn in F 3-4

Trumpet in B $\flat$  1

Trumpet in B $\flat$  2

Trumpet in B $\flat$  3

Trombone 1

Trombone 2

Bass Trombone

Tuba

Timpani

Percussion 1 (Tambourine, Floor Tom, Woodblock, Sus Cymbal)

Percussion 2 (Slapstick, Suspended Cymbal, Hi-Hat)

Percussion 3 (Snare Drum)

Percussion 4 (Marimba, Kick Bass)

Piano

Violin I

Violin II

Viola

Cello

Contrabass

Lowest Note, A, D

Tambourine

*mf*

*mp*

*p*

1 2 3 4 5 6

Fl. 1 *mp*

Fl. 2

Fl. 3

Ob. 1

Ob. 2

Ob. 3

B♭ Cl. 1

B♭ Cl. 2

B. Cl.

Bsn. 1

Bsn. 2

C. Bn. *mf*

Hn. 1-2

Hn. 3-4

B♭ Tpt. 1

B♭ Tpt. 2

B♭ Tpt. 3

Tbn. 1

Tbn. 2

B. Tbn.

Tuba

Timp.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno.

Vln. I

Vln. II

Vla.

Vc.

Cb.

7 8 9 10 11

*p* *mf* *mf* *mf* *mf*

Div. # *p* *mf* *mf* *mf* *mf*

Div. # *p* *mf* *mf* *mf* *mf*

Div. *mf* *mf* *mf* *mf* *mf*

Div. *mf* *mf* *mf* *mf* *mf*

12

Fl. 1 *mp*

Fl. 2

Fl. 3

Ob. 1 *mf*

Ob. 2 *mf*

Ob. 3 *mf*

B♭ Cl. 1 *mp*

B♭ Cl. 2

B. Cl. *p*

Bsn. 1 *pp*

Bsn. 2 *pp*

C. Bn. *pp*

Hn. 1-2 *mf*

Hn. 3-4 *mf*

B♭ Tpt. 1

B♭ Tpt. 2

B♭ Tpt. 3

Tbn. 1 *mf*

Tbn. 2 *mf*

B. Tbn.

Tuba

Timp.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno.

Vln. I *pp*

Vln. II

Vla.

Vc. *col legno battuto*  
*mp pizz.*

Cb. *pp*

12 13 14 15 16 17

Musical score for page 14, featuring various instruments including Flutes (Fl. 1-3), Oboes (Ob. 1-3), Clarinets (B♭ Cl. 1-2, B. Cl.), Bassoons (Bsn. 1-2, C. Bn.), Horns (Hn. 1-2, Hn. 3-4), Trumpets (B♭ Tpt. 1-3), Trombones (Tbn. 1-2, B. Tbn., Tuba), Percussion (Perc. 1-4), Piano (Pno.), Violins (Vln. I, Vln. II), Viola (Vla.), Violoncello (Vc.), and Contrabass (Cb.).

Key features of the score include:

- Ob. 3:** Melodic line starting at measure 20 with a *mp* dynamic and a triplet of eighth notes.
- B. Cl.:** Melodic line starting at measure 18 with a triplet of eighth notes.
- Bsn. 1 & 2:** Sustained notes with a triplet of eighth notes in measure 19.
- Horn Section (Hn. 3-4, B♭ Tpt. 1-3, Tbn. 1-2, B. Tbn., Tuba):** Dynamic markings of *p*, *mp*, and *mf* are indicated with hairpins. Roman numerals IV and II are present above the notes.
- Vln. I:** Sustained notes with a long slur across measures 18-24.
- Vc. & Cb.:** Rhythmic accompaniment consisting of eighth notes.

Measure numbers 18, 19, 20, 21, 22, 23, and 24 are indicated at the bottom of the page.

Fl. 1 *f* *mp* *mp*

Fl. 2 *f* *mp* *mp*

Fl. 3 *mp*

Ob. 1

Ob. 2

Ob. 3

B♭ Cl. 1

B♭ Cl. 2

B. Cl.

Bsn. 1

Bsn. 2

C. Bn.

Hn. 1-2 *f*

Hn. 3-4 *f*

B♭ Tpt. 1 *f*

B♭ Tpt. 2 *f*

B♭ Tpt. 3 *f*

Tbn. 1 *f*

Tbn. 2 *f*

B. Tbn. *f*

Tuba *f*

Timp. *f* *lowest note dampened* *mp*

Perc. 1 *pp* *Woodblock*

Perc. 2

Perc. 3

Perc. 4 *mp* *Marimba*

Pno.

Vln. I *Div.*

Vln. II *f* *Div.* *mf* *f*

Vla. *pizz.* *mf*

Vc. *arco* *mp* *sul ponticello* *mf*

Cb. *arco* *mp*

25 26 27 28 29 30



Fl. 1

Fl. 2

Fl. 3

Ob. 1

Ob. 2

Ob. 3

B♭ Cl. 1

B♭ Cl. 2

B. Cl.

Bsn. 1  
*mf*

Bsn. 2  
*mf*

C. Bn.  
*mf*

Hn. 1-2

Hn. 3-4

B♭ Tpt. 1

B♭ Tpt. 2

B♭ Tpt. 3

Tbn. 1  
*mp < f*

Tbn. 2  
*p < f*

B. Tbn.  
*pp < f*

Tuba  
*pp < f*

Timp.

Perc. 1  
*Slapstick*

Perc. 2  
*f*

Perc. 3

Perc. 4

Pno.

Vln. I

Vln. II

Vla.  
*arco*

Vc.

Cb.

31 32 33 34 35 36 37 38 *f* 39

Fl. 1  
 Fl. 2  
 Fl. 3  
 Ob. 1  
 Ob. 2  
 Ob. 3  
 B♭ Cl. 1  
 B♭ Cl. 2  
 B. Cl.  
 Bsn. 1  
 Bsn. 2  
 C. Bn.  
 Hn. 1-2  
 Hn. 3-4  
 B♭ Tpt. 1  
 B♭ Tpt. 2  
 B♭ Tpt. 3  
 Tbn. 1  
 Tbn. 2  
 B. Tbn.  
 Tuba  
 Timp.  
 Perc. 1  
 Perc. 2  
 Perc. 3  
 Perc. 4  
 Pno.  
 Vln. I  
 Vln. II  
 Vla.  
 Vc.  
 Cb.

Musical score for orchestra and strings, measures 40-45. The score includes parts for Flutes (Fl. 1-3), Oboes (Ob. 1-3), Clarinets (B♭ Cl. 1-2, B. Cl.), Bassoons (Bsn. 1-2, C. Bn.), Horns (Hn. 1-2, Hn. 3-4), Trumpets (B♭ Tpt. 1-3), Trombones (Tbn. 1-2, B. Tbn., Tuba), Timpani (Timp.), Percussion (Perc. 1-4), Piano (Pno.), Violins (Vln. I, Vln. II), Viola (Vla.), Violoncello (Vc.), and Contrabass (Cb.). The score is in 4/4 time and features various dynamics such as *f*, *mp*, and *Div.*. The page number 40 is in the top left, and the page number 17 is in the top right. Measure numbers 40, 41, 42, 43, 44, and 45 are indicated at the bottom of the page.



This page contains a musical score for an orchestra and strings, spanning measures 52 to 56. The score is arranged in a standard orchestral layout with staves for woodwinds, brass, percussion, piano, and strings.

- Woodwinds:** Flutes 1, 2, and 3; Oboes 1, 2, and 3; Bass Clarinets 1 and 2; Bass Clarinet; Bassoons 1 and 2; Contrabassoon; Horns 1-2 and 3-4; Trumpets 1, 2, and 3; Trombones 1, 2, and Bass; Tuba; Timpani.
- Brass:** Trumpets 1, 2, and 3; Trombones 1, 2, and Bass; Tuba.
- Percussion:** Percussion 1, 2, 3, and 4.
- Piano:** Pno.
- Strings:** Violins I and II; Viola; Violoncello (Vc.); Contrabass (Cb.).

Key features of the score include:

- Measures 52-54:** The woodwinds and strings are mostly silent, with some light accompaniment from the piano and strings.
- Measure 54:** The woodwinds and strings begin to play. The flute and oboe parts feature a melodic line with a triplet of eighth notes. The bassoon part has a similar triplet. The strings play a rhythmic pattern of eighth notes.
- Measure 55:** The woodwinds continue their melodic lines. The strings play a similar rhythmic pattern.
- Measure 56:** The woodwinds and strings continue their respective parts.

Dynamic markings include *mf* (mezzo-forte) and *f* (forte). The score is in 2/4 time, with a key signature of one flat (B-flat).

Fl. 1  
 Fl. 2  
 Fl. 3 *mf*  
 Ob. 1  
 Ob. 2  
 Ob. 3 *mf*  
 B♭ Cl. 1  
 B♭ Cl. 2  
 B. Cl.  
 Bsn. 1  
 Bsn. 2  
 C. Bn.  
 Hn. 1-2  
 Hn. 3-4  
 B♭ Tpt. 1  
 B♭ Tpt. 2  
 B♭ Tpt. 3  
 Tbn. 1 *mp*  
 Tbn. 2  
 B. Tbn.  
 Tuba  
 Timp. *mf* Woodblock  
 Perc. 1  
 Perc. 2 *mf* on bell  
 Perc. 3 *mf*  
 Perc. 4  
 Pno.  
 Vln. I  
 Vln. II  
 Vla.  
 Vc.  
 Cb.

57 58 *p* 59 60 61 62 63





This page of a musical score contains parts for various instruments. The woodwind section includes three Flutes (Fl. 1, 2, 3), three Oboes (Ob. 1, 2, 3), three Clarinets (B♭ Cl. 1, 2, B. Cl.), three Bassoons (Bsn. 1, 2, C. Bn.), three Horns (Hn. 1-2, Hn. 3-4), three Trumpets (B♭ Tpt. 1, 2, 3), three Trombones (Tbn. 1, 2, B. Tbn.), and a Tuba. The percussion section includes four Percussion parts (Perc. 1-4), with Perc. 4 having a rhythmic pattern. The piano part (Pno.) is also present. The string section includes Violins I and II, Viola, Violoncello (Vc.), and Contrabass (Cb.).

Measures 80-86 are shown. Measures 80-82 are mostly rests for the woodwinds. Measures 83-86 feature complex rhythmic patterns for the strings and Perc. 4, including triplets and sixteenth-note runs. Dynamics include *f* (forte) and *Unis.* (unison). Performance markings include *Div.* (divisi) and *Unis.* (unison). The score includes various musical notations such as stems, beams, and slurs.



This page of a musical score covers measures 87 through 91. The instrumentation includes three flutes (Fl. 1, 2, 3), three oboes (Ob. 1, 2, 3), two B♭ clarinets (B♭ Cl. 1, 2), one B♭ clarinet (B. Cl.), two bassoons (Bsn. 1, 2), one contrabassoon (C. Bn.), four horns (Hn. 1-2, 3-4), three B♭ trumpets (B♭ Tpt. 1, 2, 3), three tenors (Tbn. 1, 2, B. Tbn.), one tuba, one timpani (Timp.), four percussionists (Perc. 1-4), piano (Pno.), and a string section (Vln. I, Vln. II, Vla., Vc., Cb.).

Key musical features include:

- Flutes:** Flute 1 and 2 are silent throughout.
- Woodwinds:** B♭ Clarinet 1 and Contrabassoon play a melodic line starting in measure 88, marked *mf*.
- Strings:** Violins I and II play a sustained chord with *Div.* (divisi) markings. Violins II and Viola are marked *p*. Violoncello and Contrabass play a rhythmic accompaniment, marked *mf*.
- Percussion:** Snare Drum (Perc. 3) has a rhythmic pattern starting in measure 88, marked *mf*. Percussion 4 (Perc. 4) plays a triplet pattern in measure 87.
- Piano:** Piano (Pno.) plays a chordal accompaniment starting in measure 88, marked *mf*.

Measure numbers 87, 88, 89, 90, and 91 are indicated at the bottom of the page.

This page of a musical score contains 25 staves for various instruments. The staves are labeled as follows from top to bottom: Fl. 1, Fl. 2, Fl. 3, Ob. 1, Ob. 2, Ob. 3, B♭ Cl. 1, B♭ Cl. 2, B. Cl., Bsn. 1, Bsn. 2, C. Bn., Hn. 1-2, Hn. 3-4, B♭ Tpt. 1, B♭ Tpt. 2, B♭ Tpt. 3, Tbn. 1, Tbn. 2, B. Tbn., Tuba, Timp., Perc. 1, Perc. 2, Perc. 3, Perc. 4, Pno., Vln. I, Vln. II, Vla., Vc., and Cb. The score is divided into measures 92, 93, 94, 95, and 96. The time signature changes from 3/4 to 4/4 and back to 3/4. The piano part (Pno.) features a complex rhythmic pattern with triplets and slurs. The woodwind and brass parts have several rests, with some entries in measures 95 and 96. The percussion parts (Perc. 3 and 4) have rhythmic patterns. The string parts (Vln. I, Vln. II, Vla., Vc., Cb.) have sustained notes and rhythmic patterns. The dynamic marking *mf* is used for the trumpet parts in measures 95 and 96.

Fl. 1, Fl. 2, Fl. 3, Ob. 1, Ob. 2, Ob. 3, B♭ Cl. 1, B♭ Cl. 2, B. Cl., Bsn. 1, Bsn. 2, C. Bn., Hn. 1-2, Hn. 3-4, B♭ Tpt. 1, B♭ Tpt. 2, B♭ Tpt. 3, Tbn. 1, Tbn. 2, B. Tbn., Tuba, Timp., Perc. 1, Perc. 2, Perc. 3, Perc. 4, Pno., Vln. I, Vln. II, Vla., Vc., Cb.

*mf*, *f*, *p < f*, *pizz.*, *dampened*, *Div.*

Fl. 1 *mp* *f*

Fl. 2

Fl. 3

Ob. 1 *mp* *f*

Ob. 2

Ob. 3

B♭ Cl. 1

B♭ Cl. 2

B. Cl.

Bsn. 1

Bsn. 2

C. Bn.

Hn. 1-2

Hn. 3-4

B♭ Tpt. 1

B♭ Tpt. 2

B♭ Tpt. 3

Tbn. 1

Tbn. 2

B. Tbn.

Tuba

Timp.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno. *mf*

Vln. I

Vln. II

Vla. *mp* *f*

Vc.

Cb.

103 104 105 106 107



This page of a musical score covers measures 112 through 115. The instrumentation includes:

- Flutes 1, 2, and 3
- Oboes 1, 2, and 3
- Bass Clarinets 1 and 2
- Bass Clarinet
- Bassoon 1
- Bassoon 2
- Contrabassoon
- Horn 1-2
- Horn 3-4
- Trumpets Bb 1, 2, and 3
- Trombones 1, 2, and Bass
- Tuba
- Timpani
- Percussion 1, 2, 3, and 4
- Piano
- Violins I and II
- Viola
- Violoncello
- Double Bass

The score features complex rhythmic patterns, including triplets and sixteenth-note runs, primarily in the woodwind sections. Dynamics such as *mf* and *mp* are indicated. The bottom of the page is marked with measure numbers 112, 113, 114, and 115.

Musical score for page 30, featuring various instruments including Flutes (Fl. 1-3), Oboes (Ob. 1-3), Clarinets (B♭ Cl. 1-2, B. Cl.), Saxophones (C. Bn.), Horns (Hn. 1-2, Hn. 3-4), Trumpets (B♭ Tpt. 1-3), Trombones (Tbn. 1-2, B. Tbn., Tuba), Percussion (Perc. 1-4), Piano (Pno.), Violins (Vln. I, Vln. II), Viola (Vla.), Violoncello (Vc.), and Double Bass (Cb.).

The score includes dynamic markings such as *f* (forte) and *p* (piano), and performance instructions like *arco* and *to hi-hat*. It also features various musical notations including triplets, sixteenth-note runs, and rests.

This page of a musical score, numbered 31, contains the following parts and measures:

- Fl. 1:** Treble clef, measures 119-121. Features triplet eighth notes.
- Fl. 2:** Treble clef, measures 119-121. Features sixteenth-note patterns with a sixteenth rest.
- Fl. 3:** Treble clef, measures 119-121. Features eighth-note patterns with a sixteenth rest.
- Ob. 1:** Treble clef, measures 119-121. Features eighth-note patterns with a sixteenth rest.
- Ob. 2:** Treble clef, measures 119-121. Features eighth-note patterns with a sixteenth rest.
- Ob. 3:** Treble clef, measures 119-121. Features eighth-note patterns with a sixteenth rest.
- B♭ Cl. 1:** Treble clef, measures 119-121. Features eighth-note patterns with a sixteenth rest.
- B♭ Cl. 2:** Treble clef, measures 119-121. Features eighth-note patterns with a sixteenth rest.
- B. Cl.:** Treble clef, measures 119-121. Features a whole note.
- Bsn. 1:** Bass clef, measures 119-121. Features a whole note.
- Bsn. 2:** Bass clef, measures 119-121. Features a whole note.
- C. Bn.:** Bass clef, measures 119-121. Features a whole note.
- Hn. 1-2:** Treble clef, measures 119-121. Features a whole note.
- Hn. 3-4:** Treble clef, measures 119-121. Features a whole note.
- B♭ Tpt. 1:** Treble clef, measures 119-121. Features a whole note.
- B♭ Tpt. 2:** Treble clef, measures 119-121. Features a whole note.
- B♭ Tpt. 3:** Treble clef, measures 119-121. Features a whole note.
- Tbn. 1:** Bass clef, measures 119-121. Features a whole note.
- Tbn. 2:** Bass clef, measures 119-121. Features a whole note.
- B. Tbn.:** Bass clef, measures 119-121. Features a whole note.
- Tuba:** Bass clef, measures 119-121. Features a whole note.
- Timp.:** Bass clef, measures 119-121. Features a whole note.
- Perc. 1:** Percussion clef, measures 119-121. Features a rhythmic pattern.
- Perc. 2:** Percussion clef, measures 119-121. Features a whole note.
- Perc. 3:** Percussion clef, measures 119-121. Features a whole note.
- Perc. 4:** Percussion clef, measures 119-121. Features a whole note.
- Pno.:** Grand staff, measures 119-121. Features a complex accompaniment.
- Vln. I:** Treble clef, measures 119-121. Features a whole note.
- Vln. II:** Treble clef, measures 119-121. Features a whole note.
- Vla.:** Bass clef, measures 119-121. Features a whole note.
- Vc.:** Bass clef, measures 119-121. Features a whole note.
- Cb.:** Bass clef, measures 119-121. Features a whole note.

Dynamic markings include *mf* at the beginning of the C. Bn. part and at the bottom left of the page.



Fl. 1  
Fl. 2  
Fl. 3  
Ob. 1  
Ob. 2  
Ob. 3  
B♭ Cl. 1  
B♭ Cl. 2  
B. Cl.  
Bsn. 1  
Bsn. 2  
C. Bn.  
Hn. 1-2  
Hn. 3-4  
B♭ Tpt. 1  
B♭ Tpt. 2  
B♭ Tpt. 3  
Tbn. 1  
Tbn. 2  
B. Tbn.  
Tuba  
Timp.  
Perc. 1  
Perc. 2  
Perc. 3  
Perc. 4  
Pno.  
Vln. I  
Vln. II  
Vla.  
Vc.  
Cb.

*to sus cymb*

*mf*

Hi-Hat

*mf*

Snare Drum

*mf*

Kick Bass

*f*

*mp*  
Div. a 3

*f*

122 *f* 123 124 125 126 127

This page of a musical score, numbered 33, contains measures 128 through 133. The score is arranged in a standard orchestral layout with multiple staves for each instrument family. The woodwind section includes three flutes (Fl. 1, 2, 3), three oboes (Ob. 1, 2, 3), three clarinets (B♭ Cl. 1, 2, B. Cl.), three bassoons (Bsn. 1, 2, C. Bn.), and two horns (Hn. 1-2, Hn. 3-4). The brass section consists of three B♭ trumpets (B♭ Tpt. 1, 2, 3), two tenor trombones (Tbn. 1, 2), one bass trombone (B. Tbn.), and one tuba. The percussion section has four parts (Perc. 1-4), and the piano (Pno.) is also present. The string section includes two violins (Vln. I, II), one viola (Vla.), one violin (Vc.), and one cello (Cb.). Measures 128-133 feature a complex rhythmic and melodic texture. The woodwinds and brass play intricate patterns, often involving triplets and sixteenth-note runs. The strings provide a steady accompaniment with some melodic lines in the lower registers. The percussion parts are active, contributing to the overall rhythmic drive. The score is written in a key signature with one flat and a 2/4 time signature. Measure numbers 128, 129, 130, 131, 132, and 133 are clearly marked at the bottom of the page.

This page contains the musical score for measures 134 through 137. The instruments listed on the left are: Fl. 1, Fl. 2, Fl. 3, Ob. 1, Ob. 2, Ob. 3, B♭ Cl. 1, B♭ Cl. 2, B. Cl., Bsn. 1, Bsn. 2, C. Bn., Hn. 1-2, Hn. 3-4, B♭ Tpt. 1, B♭ Tpt. 2, B♭ Tpt. 3, Tbn. 1, Tbn. 2, B. Tbn., Tuba, Timp., Perc. 1, Perc. 2, Perc. 3, Perc. 4, Pno., Vln. I, Vln. II, Vla., Vc., and Cb. The score is written in a key signature of one flat (B-flat major or D minor) and a 3/4 time signature. The dynamic marking *mf* (mezzo-forte) is indicated for the woodwind parts. The percussion parts include a rhythmic pattern of eighth notes with accents. The string parts feature a melodic line with triplets and a bass line with triplets. The page number 135 is centered at the top, and the measure numbers 134, 135, 136, and 137 are placed at the bottom of the page.

Fl. 1  
Fl. 2  
Fl. 3  
Ob. 1  
Ob. 2  
Ob. 3  
B♭ Cl. 1  
B♭ Cl. 2  
B. Cl.  
Bsn. 1  
Bsn. 2  
C. Bn.  
Hn. 1-2  
Hn. 3-4  
B♭ Tpt. 1  
B♭ Tpt. 2  
B♭ Tpt. 3  
Tbn. 1  
Tbn. 2  
B. Tbn.  
Tuba  
Timp.  
Perc. 1  
Perc. 2  
Perc. 3  
Perc. 4  
Pno.  
Vln. I  
Vln. II  
Vla.  
Vc.  
Cb.

*to piccolo*

Fl. 1  
Fl. 2  
Fl. 3  
Ob. 1  
Ob. 2  
Ob. 3  
B♭ Cl. 1  
B♭ Cl. 2  
B. Cl.  
Bsn. 1  
Bsn. 2  
C. Bn.  
Hn. 1-2  
Hn. 3-4  
B♭ Tpt. 1  
B♭ Tpt. 2  
B♭ Tpt. 3  
Tbn. 1  
Tbn. 2  
B. Tbn.  
Tuba  
Timp.  
Perc. 1  
Perc. 2  
Perc. 3  
Perc. 4  
Pno.  
Vln. I  
Vln. II  
Vla.  
Vc.  
Cb.

Fl. 1  
Fl. 2  
Fl. 3  
Ob. 1  
Ob. 2  
Ob. 3  
B♭ Cl. 1  
B♭ Cl. 2  
B. Cl.  
Bsn. 1  
Bsn. 2  
C. Bn.  
Hn. 1-2  
Hn. 3-4  
B♭ Tpt. 1  
B♭ Tpt. 2  
B♭ Tpt. 3  
Tbn. 1  
Tbn. 2  
B. Tbn.  
Tuba  
Timp.  
Perc. 1  
Perc. 2  
Perc. 3  
Perc. 4  
Pno.  
Vln. I  
Vln. II  
Vla.  
Vc.  
Cb.

15<sup>ma</sup>  
mf  
8<sup>va</sup>  
free tremolo on given notes

Suspended Cymbal  
yam mallets  
p  
f  
L.v.  
(half-open)

slow trem, accel.  
mf  
mf  
mf  
gliss.  
Div. a 3  
ff  
ff

148 149 150 151 152 153 154 155

This page of a musical score includes the following instruments and parts:

- Fl. 1, Fl. 2, Fl. 3
- Ob. 1, Ob. 2, Ob. 3
- B♭ Cl. 1, B♭ Cl. 2
- B. Cl.
- Bsn. 1, Bsn. 2
- C. Bn.
- Hn. 1-2, Hn. 3-4
- B♭ Tpt. 1, B♭ Tpt. 2, B♭ Tpt. 3
- Tbn. 1, Tbn. 2, B. Tbn., Tuba
- Timp.
- Perc. 1 (snare stick l.v.), Perc. 2 (mf), Perc. 3, Perc. 4
- Pno.
- Vln. I, Vln. II
- Vla. (sul ponticello, pizz. ord., arco)
- Vc.
- Cb.

The score is divided into measures 156 through 162. The woodwinds and brass sections have various dynamics and articulations. The percussion section includes snare stick, tom-toms, and cymbals. The string section features complex bowing techniques and articulations.

Piccolo

Fl. 1  
Fl. 2  
Fl. 3  
Ob. 1  
Ob. 2  
Ob. 3  
B♭ Cl. 1  
B♭ Cl. 2  
B. Cl.  
Bsn. 1  
Bsn. 2  
C. Bn.  
Hn. 1-2  
Hn. 3-4  
B♭ Tpt. 1  
B♭ Tpt. 2  
B♭ Tpt. 3  
Tbn. 1  
Tbn. 2  
B. Tbn.  
Tuba  
Timp.  
Perc. 1  
Perc. 2  
Perc. 3  
Perc. 4  
Pno.  
Vln. I  
Vln. II  
Vla.  
Vc.  
Cb.

163 164 165 166 167



Picc. Fl. 2 Fl. 3 Ob. 1 Ob. 2 Ob. 3 B♭ Cl. 1 B♭ Cl. 2 B. Cl. Bsn. 1 Bsn. 2 C. Bn. Hn. 1-2 Hn. 3-4 B♭ Tpt. 1 B♭ Tpt. 2 B♭ Tpt. 3 Tbn. 1 Tbn. 2 B. Tbn. Tuba Timp. Perc. 1 Perc. 2 Perc. 3 Perc. 4 Pno. Vln. I Vln. II Vla. Vc. Cb.

168 169 170 171

This page of a musical score, numbered 172, contains parts for various instruments. The woodwind section includes Piccolo (Picc.), Flutes 2 and 3 (Fl. 2, Fl. 3), Oboes 1, 2, and 3 (Ob. 1, Ob. 2, Ob. 3), Bass Clarinets 1 and 2 (B♭ Cl. 1, B♭ Cl. 2), Bass Clarinet (B. Cl.), Bassoons 1 and 2 (Bsn. 1, Bsn. 2), Contrabassoon (C. Bn.), Horns 1-2 and 3-4 (Hn. 1-2, Hn. 3-4), Trumpets 1, 2, and 3 (B♭ Tpt. 1, B♭ Tpt. 2, B♭ Tpt. 3), Trombones 1 and 2 (Tbn. 1, Tbn. 2), Baritone Trombone (B. Tbn.), and Tuba. The percussion section includes four different percussion parts (Perc. 1-4). The string section includes Violin I and II (Vln. I, Vln. II), Viola (Vla.), Violoncello (Vc.), and Contrabass (Cb.). The score is marked with a forte dynamic (*ff*) and features complex rhythmic patterns, including triplets and sixteenth-note runs. The page is numbered 172 at the bottom, with the following page (173) indicated by a bracket.

Picc.  
Fl. 2  
Fl. 3  
Ob. 1  
Ob. 2  
Ob. 3  
B♭ Cl. 1  
B♭ Cl. 2  
B. Cl.  
Bsn. 1  
Bsn. 2  
C. Bn.  
Hn. 1-2  
Hn. 3-4  
B♭ Tpt. 1  
B♭ Tpt. 2  
B♭ Tpt. 3  
Tbn. 1  
Tbn. 2  
B. Tbn.  
Tuba  
Timp.  
Perc. 1  
Perc. 2  
Perc. 3  
Perc. 4  
Pno.  
Vln. I  
Vln. II  
Vla.  
Vc.  
Cb.

slow trem, accel. - - - - -  
*ff*  
slow trem, accel. - - - - -  
*ff*

176 177 178 179 180 181 182 183

# III. Polaris

## Northward Bound

Subdued ♩ = 72

This musical score is for the third movement, "Polaris," titled "Northward Bound." It is marked "Subdued" with a tempo of 72 beats per minute. The score is arranged for a full orchestra and a large percussion ensemble. The woodwind section includes Flute 1-3, Oboe 1-3, Clarinet in Bb 1-2, Bass Clarinet, Bassoon 1-2, and Contrabassoon. The brass section includes Horn in F 1-2, Horn in F 3-4, Trumpet in Bb 1-3 (all playing with cup mutes), Trombone 1-2, Bass Trombone, and Tuba. The percussion section consists of four players: Percussion 1 (Glockenspiel, Marimba, Almglocken, China Cymbal, Floor Tom, Crash Cymbal), Percussion 2 (Crotales, Tam-Tam, Bell Tree, Triangle, Sus. Cymbal, Snare Drum, Tambourine), Percussion 3 (Vibraphone, Chimes, Tam-Tam), and Percussion 4 (Log Drum, Bass Drum, Sleigh Bells, Triangle). The string section includes Violin I and II, Viola, Cello I-IV, and Contrabass. The Piano part features a "lowest cluster (palm mute strings)" starting in measure 5. The score includes various dynamics such as *mf*, *pp*, *mp*, *ff*, and *p*, along with performance instructions like "as fast as possible" and "to bass drum." The piece is in 4/4 time and spans 7 measures.

This page of a musical score includes parts for the following instruments:

- Fl. 1, Fl. 2, Picc. 3, Ob. 1, Ob. 2, Ob. 3, B♭ Cl. 1, B♭ Cl. 2, B. Cl., Bsn. 1, Bsn. 2, C. Bn., Hn. 1-2, Hn. 3-4, B♭ Tpt. 1, B♭ Tpt. 2, B♭ Tpt. 3, Tbn. 1, Tbn. 2, B. Tbn., Tuba, Timp., Perc. 1, Perc. 2, Perc. 3, Perc. 4, Pno., Vln. I, Vln. II, Vla., Vc. I, Vc. II, Vc. III, Vc. IV, and Cb.

Key performance instructions and markings include:

- Flutes:** *bend* (for Hn. 1-2 and Hn. 3-4), *p bend*, *p*.
- Trumpets:** *mf* (for B. Tbn. and Tuba).
- Timpani:** *mf*, *center of drum*.
- Drum Kit:** *any note ad lib.*, *pp*, *any note in high octave ad lib.*, *Vibraphone*, *Bass Drum*, *mf*.
- Piano:** *fingernail scrape high strings*, *f*.
- Violins:** *p*, *mp*.
- Violoncello:** *p*, *mp*.
- Double Bass:** *f*.

Measure numbers 8, 9, 10, 11, 12, and 13 are indicated at the bottom of the page.

Fl. 1 *p* *f*

Fl. 2 *p* *f*

Picc. 3

Ob. 1 *p* *f*

Ob. 2

Ob. 3

B♭ Cl. 1 *p* *f*

B♭ Cl. 2

B. Cl.

Bsn. 1 *f*

Bsn. 2

C. Bn.

Hn. 1-2 *p*<sub>1</sub> *mf*

Hn. 3-4

B♭ Tpt. 1 *mf* *cup mute* *cup mute out*

B♭ Tpt. 2 *mf* *cup mute* *cup mute out*

B♭ Tpt. 3 *mf* *cup mute* *cup mute out*

Tbn. 1 *mf* *fall*

Tbn. 2 *mf* *fall*

B. Tbn. *mf* *fall*

Tuba *mf* *fall*

Timp. *mf* *fall*

Perc. 1 *Lv. to almglocken*

Perc. 2

Perc. 3 *Lv. to chimes*

Perc. 4

Pno. *pp*

Vln. I *sim.* *ppp*

Vln. II *sim.* *ppp*

Vla. *sim.* *ppp*

Vc. I *f* *col legno battuto* *pp*

Vc. II *f* *col legno battuto* *pp*

Vc. III *f* *col legno battuto* *pp*

Vc. IV *mf* *pizz.* *pp*

Cb. *Div.* *mf* *pizz.* *pp*

14 15 16 *mf* 17 18 19 *sfz* 20 *pp* 21 22



Fl. 1

Fl. 2

Picc. 3

Ob. 1

Ob. 2

Ob. 3

B♭ Cl. 1

B♭ Cl. 2

B. Cl.

Bsn. 1

Bsn. 2

C. Bn.

Hn. 1-2

Hn. 3-4

B♭ Tpt. 1

B♭ Tpt. 2

B♭ Tpt. 3

Tbn. 1

Tbn. 2

B. Tbn.

Tuba

Timp.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno.

Vln. I

Vln. II

Vla.

Vc. I

Vc. II

Vc. III

Vc. IV

Cb.

Almglocken

yarn mallets

Chimes

plucked ad lib slowly

*p*

*mf*

*mp*

*f*

*p < f >*

Div.

arco sul pont.

31 32 33 34 35 36 37



This page of a musical score, numbered 48, contains measures 38 through 44. The score is arranged in a standard orchestral format with multiple staves for each instrument family. The woodwind section includes Flutes 1 and 2, Piccolo, Oboes 1, 2, and 3, Clarinets in Bb 1 and 2, Bass Clarinet, Bassoons 1 and 2, and Contrabassoon. The brass section includes Horns 1-2 and 3-4, Trumpets in Bb 1, 2, and 3, Trombones 1, 2, and Bass Trombone, and Tuba. The percussion section includes three different Percussion 1 parts (one with Crotales), Percussion 2 (with L.v.), Percussion 3, and Percussion 4 (Bass Drum). The keyboard section includes Piano. The string section includes Violins I and II, Viola, Violoncello I, II, III, and IV, and Double Bass. The score features various musical notations such as dynamics (mp, mf, p, pp, f), articulation (accents, slurs), and performance instructions like 'Div.' (divisi) for the strings. Measure numbers 38, 39, 40, 41, 42, 43, and 44 are printed at the bottom of the page.

This page contains the musical score for pages 45, 46, and 47 of an orchestral work. The score is arranged in a standard orchestral layout with the following parts from top to bottom:

- Fl. 1, Fl. 2
- Picc. 3
- Ob. 1, Ob. 2, Ob. 3
- B♭ Cl. 1, B♭ Cl. 2, B. Cl.
- Bsn. 1, Bsn. 2, C. Bn.
- Hn. 1-2, Hn. 3-4
- B♭ Tpt. 1, B♭ Tpt. 2, B♭ Tpt. 3
- Tbn. 1, Tbn. 2, B. Tbn., Tuba
- Timp.
- Perc. 1, Perc. 2, Perc. 3, Perc. 4
- Pno.
- Vln. I, Vln. II
- Vla.
- Vc. I, Vc. II, Vc. III, Vc. IV
- Cb.

Key musical features include:

- Ob. 1 and 2: Melodic lines with slurs and accents.
- B♭ Cl. 1: A triplet of eighth notes.
- Hn. 1-2 and Hn. 3-4: Similar melodic lines with dynamic markings *mf* and *f*.
- Perc. 3: A triplet of eighth notes.
- Perc. 3: A note marked with an asterisk (\*), with the instruction "to vibraphone" above it.
- Pno.: A note marked with an asterisk (\*).
- Vc. I: A note marked with *p*.
- Vc. III and Vc. IV: Triplet markings under eighth notes.

Fl. 1 (ooh) *pp* sing any note in middle register *mp* *mf*

Fl. 2 (ooh) *pp* sing any note in middle register *mp* *mf*

Picc. 3 (ooh) *pp* sing any note in middle register *mp* *mf*

Ob. 1 (ooh) *pp* sing any note in middle register *mf*

Ob. 2 (ooh) *pp* sing any note in middle register

Ob. 3 (ooh) *pp* sing any note in middle register

B♭ Cl. 1 (ooh) *pp* sing any note in middle register *mp* *mf*

B♭ Cl. 2 (ooh) *pp* sing any note in middle register *mp* *mf*

B. Cl. (ooh) *pp* sing any note in middle register *mp* *mf*

Bsn. 1 (ooh) *pp* sing any note in middle register *mp* *mf*

Bsn. 2 (ooh) *pp* sing any note in middle register *mp* *mf*

C. Bn. (ooh) *pp* sing any note in middle register *mp* *mf*

Hn. 1-2 (ooh) *pp* sing any note in middle register *mp* *f* *pp*

Hn. 3-4 (ooh) *pp* sing any note in middle register

B♭ Tpt. 1 (ooh) *pp* sing any note in middle register *mf* *f* *pp*

B♭ Tpt. 2 (ooh) *pp* sing any note in middle register *mp* *f* *pp*

B♭ Tpt. 3 (ooh) *pp* sing any note in middle register *mp* *f* *pp*

Tbn. 1 (ooh) *pp* sing any note in middle register *mp* *f* *pp*

Tbn. 2 (ooh) *pp* sing any note in middle register *mp* *f* *pp*

B. Tbn. (ooh) *pp* sing any note in middle register *mp* *f* *pp*

Tuba (ooh) *pp* sing any note in middle register *mp* *f* *pp*

Timp. (ooh) *mp* *f* *pp*

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno.

Vln. I *mp*

Vln. II *mp*

Vla. *f*

Vc. I *ord.* *sul pont.* *mf* *mp*

Vc. II *p* *ord.* *sul pont.* *mf* *mp*

Vc. III *p* *ord.* *sul pont.* *mf* *mp*

Vc. IV *p* *ord.* *sul pont.* *mf* *mp*

Cb.

48 49 50 51 52 53 54 55 56 57 58

This page of a musical score contains parts for a wide variety of instruments. The woodwind section includes Flutes 1 and 2 (Fl. 1, Fl. 2), Piccolo (Picc. 3), Oboes 1, 2, and 3 (Ob. 1, Ob. 2, Ob. 3), Bass Clarinets 1 and 2 (B♭ Cl. 1, B♭ Cl. 2), Clarinet in B (B. Cl.), Bassoons 1 and 2 (Bsn. 1, Bsn. 2), and Contrabassoon (C. Bn.). The brass section consists of Horns in 1-2 and 3-4 (Hn. 1-2, Hn. 3-4), Trumpets in B♭ 1, 2, and 3 (B♭ Tpt. 1, B♭ Tpt. 2, B♭ Tpt. 3), Trombones 1 and 2 (Tbn. 1, Tbn. 2), Baritone Trombone (B. Tbn.), and Tuba. The percussion section includes four different percussion instruments (Perc. 1-4). The string section includes Piano (Pno.) with 15<sup>ma</sup> and 15<sup>ba</sup> parts, Violins I and II (Vln. I, Vln. II), Viola (Vla.), Violoncello I, II, III, and IV (Vc. I, Vc. II, Vc. III, Vc. IV), and Contrabass (Cb.).

The score is marked with dynamics such as *mf* (mezzo-forte), *p* (piano), and *mp* (mezzo-piano). Performance instructions include "whistle any note in high register" for several woodwinds and "gliss freely in high register" for others. The piano part features intricate triplets and is marked with *mp* and *p*. The string parts also contain complex rhythmic patterns and dynamic markings like *mp*, *mf*, and *p*.

At the bottom of the page, the measure numbers 59, 60, 61, 62, 63, 64, 65, 66, and 67 are indicated.

Fl. 1 *p* *mf* *bend*

Fl. 2

Picc. 3

Ob. 1

Ob. 2

Ob. 3

B♭ Cl. 1

B♭ Cl. 2

B. Cl.

Bsn. 1

Bsn. 2

C. Bn.

Hn. 1-2 *pp* *mf* 1.

Hn. 3-4

B♭ Tpt. 1

B♭ Tpt. 2

B♭ Tpt. 3

Tbn. 1

Tbn. 2

B. Tbn.

Tuba

Timp.

Perc. 1 *Almglocken* *any notes* *L.v.*

Perc. 2 *p* *gliss with tgl. beaters* *L.v.*

Perc. 3 *Vibraphone* *bowed* *bend to chimes* *mp* *Chimes* *L.v.*

Perc. 4 *mp* *pp < mf*

Pno. *p*

Vln. I *mp* *gliss*

Vln. II *mp*

Vla. *mp*

Vc. I *mp*

Vc. II *mp*

Vc. III *mp*

Vc. IV *mp*

Cb. *mp*

68 69 70 71 72 73 74 75 76 77 78

This page of a musical score covers measures 79 through 86. The score is arranged in a standard orchestral layout with multiple staves for each instrument family. The woodwind section includes Flutes 1 and 2, Piccolo, Oboes 1, 2, and 3, Bass Clarinets 1 and 2, Bass Clarinet, Bassoon 1 and 2, and Contrabassoon. The brass section includes Horns 1-2 and 3-4, Trumpets 1, 2, and 3, Trombones 1 and 2, Baritone Trombone, and Tuba. The percussion section is divided into four parts: Perc. 1 (Marimba, China Cymbal, Triangle, Vibraphone), Perc. 2 (Tam-Tam, Triangle), Perc. 3 (Log Drum, Vibraphone), and Perc. 4 (Log Drum, Sleigh Bells). The string section includes Violins I and II, Viola, Violas I, II, III, and IV, and Cello. The score features various dynamics such as *mf*, *mp*, *fp*, and *p*, along with performance instructions like "to marimba 4-mallet", "scrape across bars", and "to china cymbal". The key signature changes from one flat to two sharps between measures 81 and 82, and back to one flat by measure 86. The time signature is 4/4.



Fl. 1

Fl. 2

Picc. 3

Ob. 1

Ob. 2

Ob. 3

B♭ Cl. 1

B♭ Cl. 2

B. Cl.

Bsn. 1

Bsn. 2

C. Bn.

Hn. 1-2

Hn. 3-4

B♭ Tpt. 1

B♭ Tpt. 2

B♭ Tpt. 3

Tbn. 1

Tbn. 2

B. Tbn.

Tuba

Timp.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno.

Vln. I

Vln. II

Vla.

Vc. I

Vc. II

Vc. III

Vc. IV

Cb.

94 95 96 97 98 99 100 101 102 103



This page of a musical score, labeled 56 and 106, contains the orchestral parts for measures 104 through 113. The instrumentation includes:  
 - Flutes (Fl. 1-2) and Piccolo (Picc. 3) with dynamic markings *f* and *mp*.  
 - Oboes (Ob. 1-3) with dynamic markings *f* and *mp*.  
 - Clarinets (B♭ Cl. 1-2, B. Cl.) and Bassoons (Bsn. 1-2, C. Bn.) with dynamic markings *f*.  
 - Horns (Hn. 1-2, 3-4) with dynamic markings *f* and *mf*.  
 - Trumpets (B♭ Tpt. 1-3) and Trombones (Tbn. 1-2, B. Tbn., Tuba) with dynamic markings *f* and *mf*.  
 - Timpani (Timp.) with dynamic markings *f*.  
 - Percussion (Perc. 1-4) including Almglocken (rubber mallets), Tambourine, Tam-Tam, Snare Drum, and various mallets, with dynamic markings *p*, *f*, *mf*, and *mp*.  
 - Piano (Pno.) with dynamic markings *f* and *mf*.  
 - Violins (Vln. I, II) and Viola (Vla.) with dynamic markings *f* and *mf*.  
 - Violas (Vc. I, II, III, IV) and Double Basses (Cb.) with dynamic markings *f*.

FL. 1 *to picc* *Picc* *f* *mp*

FL. 2 *to picc* *Picc* *f* *mp*

Picc. 3 *f* *mp*

Ob. 1 *f* *mp*

Ob. 2 *sfz* *p*

Ob. 3 *sfz* *p*

B♭ Cl. 1 *sfz* *p* *f* *mp*

B♭ Cl. 2 *sfz* *p* *f* *mp*

B. Cl. *sfz* *p* *f* *mp*

Bsn. 1 *sfz* *p*

Bsn. 2 *sfz* *p*

C. Bn. *sfz* *p*

Hn. 1-2 *mf* *ff* *p*

Hn. 3-4 *mf* *ff* *p*

B♭ Tpt. 1 *mf* *ff* *p*

B♭ Tpt. 2 *mf* *ff* *p*

B♭ Tpt. 3 *mf* *ff* *p*

Tbn. 1 *mf* *ff* *p*

Tbn. 2 *mf* *ff* *p*

B. Tbn. *mf* *ff* *p*

Tuba *mf* *ff* *p*

Timp. *mf* *ff* *p*

Perc. 1 *Crash Cymbals* *L.v.* *f* *to glockenspiel* *Glockenspiel* *gliss.* *L.v.*

Perc. 2 *Snare Drum* *freely scrape across bars* *mp* *f* *mp* *f* *to crotales* *Crotales* *gliss.* *L.v.*

Perc. 3 *to vibraphone*

Perc. 4 *to triangle*

Pno. *gliss.* *sfz*

Vln. I *p* *strum pizz.*

Vln. II *p* *strum pizz.*

Vla. *p*

Vc. I *sfz* *p* *mp*

Vc. II *sfz* *p* *mp*

Vc. III *sfz* *p* *mp*

Vc. IV *sfz* *p* *mp*

Cb. *sfz* *p* *mp*

This page of a musical score, numbered 58, covers measures 124 through 129. The score is arranged in a standard orchestral layout with multiple staves for each instrument family. The woodwind section includes Piccolo (Picc. 1-3), Oboe (Ob. 1-3), Bass Clarinet (Bs. Cl. 1-2), Bassoon (Bsn. 1-2), and Contrabassoon (C. Bn.). The brass section consists of Horns (Hn. 1-2, 3-4), Trumpets (B♭ Tpt. 1-3), Trombones (Tbn. 1-2, B. Tbn.), and Tuba. The percussion section includes four different Percussion parts (Perc. 1-4) and Piano (Pno.). The string section includes Violins (Vln. I, II), Viola (Vla.), Violoncello (Vc. I, II, III, IV), and Contrabass (Cb.). The score features various dynamics such as *p* (piano), *f* (forte), *mp* (mezzo-piano), and *sfz* (sforzando). It also includes articulation marks like accents and slurs, as well as specific performance instructions like "strum pizz." for the Viola. The key signature has one flat (B♭), and the time signature is 4/4. The bottom of the page is marked with measure numbers 124, 125, 126, 127, 128, and 129.

Fl. 1

Fl. 2

Picc. 3

Ob. 1  
*p* sing any note in high register

Ob. 2  
(ooh) *p* sing any note in high register

Ob. 3  
(ooh) *p* sing any note in high register

B♭ Cl. 1  
(ooh) *p* sing any note in high register

B♭ Cl. 2  
(ooh)

B. Cl.

Bsn. 1

Bsn. 2

C. Bn.

Hn. 1-2  
*p* sing any note in high register

Hn. 3-4  
(ooh) *p* sing any note in high register

B♭ Tpt. 1  
(ooh) *p* sing any note in high register

B♭ Tpt. 2  
(ooh) *p* sing any note in high register

B♭ Tpt. 3  
(ooh) *p* sing any note in high register

Tbn. 1  
(ooh) *p* sing any note in high register

Tbn. 2  
(ooh)

B. Tbn.

Tuba

Timp.

Perc. 1  
*mf* Lv.

Perc. 2  
*mf* Lv.

Perc. 3  
Vibraphone bowed *mf* Lv.

Perc. 4  
Triangle *mp* Lv.

Pno.  
*mf*

Vln. I  
*p* sing any note in high register

Vln. II  
(ooh) *p* sing any note in high register

Vla.  
(ooh)

Vc. I

Vc. II

Vc. III

Vc. IV

Cb.

This page of a musical score, numbered 60, contains the following parts and their general musical content:

- Picc. 1-3:** Piccolo parts with melodic lines and slurs.
- Ob. 1-3:** Oboe parts, mostly containing rests.
- B♭ Cl. 1-2:** Clarinet parts, mostly containing rests.
- B. Cl.:** Bass Clarinet part, mostly containing rests.
- Bsn. 1-2:** Bassoon parts. Bsn. 1 has a melodic line starting in the second measure with a *mp* dynamic. Bsn. 2 has a melodic line starting in the first measure with a *mp* dynamic.
- C. Bn.:** Contrabassoon part with a melodic line starting in the first measure.
- Hn. 1-2, 3-4:** Horn parts, mostly containing rests.
- B♭ Tpt. 1-3:** Trumpet parts, mostly containing rests.
- Tbn. 1-2:** Trombone parts, mostly containing rests.
- B. Tbn.:** Baritone Trombone part, mostly containing rests.
- Tuba:** Tuba part with a melodic line starting in the third measure with a *mp* dynamic.
- Timp.:** Timpani part with a melodic line starting in the first measure with a *mp* dynamic.
- Perc. 1-4:** Percussion parts with rhythmic patterns.
- Pno.:** Piano part with arpeggiated chords.
- Vln. I, II:** Violin parts, mostly containing rests.
- Vla.:** Viola part, mostly containing rests.
- Ve. I-IV:** Violoncello parts with melodic lines and triplets.
- Cb.:** Contrabass part, mostly containing rests.

Picc. 1  
Picc. 2  
Picc. 3  
Ob. 1  
Ob. 2  
Ob. 3  
B♭ Cl. 1  
B♭ Cl. 2  
B. Cl.  
Bsn. 1  
Bsn. 2  
C. Bn.  
Hn. 1-2  
Hn. 3-4  
B♭ Tpt. 1  
B♭ Tpt. 2  
B♭ Tpt. 3  
Tbn. 1  
Tbn. 2  
B. Tbn.  
Tuba  
Timp.  
Perc. 1  
Perc. 2  
Perc. 3  
Perc. 4  
Pno.  
Vln. I  
Vln. II  
Vla.  
Vc. I  
Vc. II  
Vc. III  
Vc. IV  
Cb.

*mp*

\*

# IV. VY Canis Majoris

## The Largest Known Star

Massive  $\text{♩} = 60$

This musical score is for a massive orchestral piece. It features a large woodwind section with three parts each for Flute, Oboe, Clarinet in B $\flat$ , Bassoon, and Contrabassoon. The brass section includes Horns in F (1-2 and 3-4), Trumpets in B $\flat$  (1-3), and Trombones (1-2 and Bass). The percussion section includes Timpani, Sizzle Cymbal, Med. Sus. Cymb. w/ tgl. beater, China Cymbal, Bass Drum, and Percussion 2 (Tam-Tam, Vibraphone). The string section consists of Violin I, Violin II, Viola, Cello, and Contrabass. The score is in 4/4 time with a tempo of 60 beats per minute. The music is marked with a dynamic of *ff* (fortissimo) throughout. The score is divided into four measures, with measure numbers 1, 2, 3, and 4 indicated at the bottom.

This page of a musical score, numbered 64, contains measures 5 through 11. The score is arranged in a standard orchestral format with multiple staves for each instrument family. The woodwind section includes three flutes (Fl. 1, 2, 3), three oboes (Ob. 1, 2, 3), two bassoons (Bsn. 1, 2), and a contrabassoon (C. Bn.). The brass section consists of three trumpets (B♭ Tpt. 1, 2, 3), two trombones (Tbn. 1, 2), a baritone trombone (B. Tbn.), and a tuba. The percussion section has three parts (Perc. 1, 2, 3) and a timpani (Timp.) part. The string section includes two violins (Vln. I, II), a viola (Vla.), a cello (Vc.), and a double bass (Cb.). The piano (Pno.) part is also present. The score features various musical notations such as triplets, slurs, and dynamic markings like *ff*. Specific performance instructions like "bend evenly" and "E to F#" are included. The bottom of the page is numbered 5, 6, 7, 8, 9, 10, and 11, corresponding to the measures.



FL. 1

FL. 2

FL. 3

Ob. 1

Ob. 2

Ob. 3

B♭ Cl. 1

B♭ Cl. 2

B. Cl.

Bsn. 1

Bsn. 2

C. Bn.

Hn. 1-2

Hn. 3-4

B♭ Tpt. 1

B♭ Tpt. 2

B♭ Tpt. 3

Tbn. 1

Tbn. 2

B. Tbn.

Tuba

Timp.

Perc. 1

Perc. 2

Perc. 3

Pno.

Vln. I

Vln. II

Vla.

Vc.

Cb.

*ff*

*ff* repeat ad lib.

*ff* repeat ad lib.

12 13 14 15 16 17 18

This musical score page covers measures 66 through 71. The instrumentation includes:

- Flutes:** Fl. 1, Fl. 2, Fl. 3
- Oboes:** Ob. 1, Ob. 2, Ob. 3
- Clarinets:** B♭ Cl. 1, B♭ Cl. 2, B. Cl.
- Bassoons:** Bsn. 1, Bsn. 2, C. Bn.
- Horns:** Hn. 1-2, Hn. 3-4
- Trumpets:** B♭ Tpt. 1, B♭ Tpt. 2, B♭ Tpt. 3
- Trombones:** Tbn. 1, Tbn. 2, B. Tbn., Tuba
- Timpani:** Timp.
- Percussion:** Perc. 1, Perc. 2 (Tam-Tam), Perc. 3 (w/ timpani mallets)
- Piano:** Pno.
- Strings:** Vln. I, Vln. II, Vla., Vc., Cb.

Key performance instructions include *ff* (fortissimo) for many instruments starting at measure 71, and specific malletting instructions for the percussion section.

Fl. 1

Fl. 2

Fl. 3

Ob. 1

Ob. 2

Ob. 3

B♭ Cl. 1

B♭ Cl. 2

B. Cl.

Bsn. 1

Bsn. 2

C. Bn.

Hn. 1-2

Hn. 3-4

B♭ Tpt. 1

B♭ Tpt. 2

B♭ Tpt. 3

Tbn. 1

Tbn. 2

B. Tbn.

Tuba

Timp.

Perc. 1

Perc. 2

Perc. 3

Pno.

Vln. I

Vln. II

Vla.

Vc.

Cb.

Vibraphone rubber mallets

*ff* *8va*

22 23 24

This page of a musical score, numbered 68, contains measures 25 through 29. The score is arranged in a standard orchestral format with multiple staves. The instruments listed on the left are: Fl. 1, Fl. 2, Fl. 3, Ob. 1, Ob. 2, Ob. 3, B♭ Cl. 1, B♭ Cl. 2, B. Cl., Bsn. 1, Bsn. 2, C. Bn., Hn. 1-2, Hn. 3-4, B♭ Tpt. 1, B♭ Tpt. 2, B♭ Tpt. 3, Tbn. 1, Tbn. 2, B. Tbn., Tuba, Timp., Perc. 1, Perc. 2, Perc. 3, Pno., Vln. I, Vln. II, Vla., Vc., and Cb. The score features complex rhythmic patterns, including triplets and sixteenth-note runs, and various articulations such as slurs and accents. The key signature is B-flat major, and the time signature is 4/4. The word "lunga" is written above several notes in the woodwind and string sections, indicating a long note. The piano part includes dynamic markings like *8<sup>ma</sup>* and *8<sup>va</sup>*. The percussion parts include specific instructions for the left and right hands of Perc. 2, labeled "LH + RH".

## CURRICULUM VITAE

Matt Wetmore

**Born:** December 16, 1989; Charlotte, NC      **Contact:** matt.d.wetmore@gmail.com  
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### EDUCATION

University of Louisville 2013-2015  
Master of Music, Music Composition  
Primary Instructor: Krzysztof Wołek

East Carolina University 2008-2012  
Bachelor of Music, Music Theory/Composition (Composition Concentration)  
Primary Instructors: Ed Jacobs, Mark Taggart, Mark Richardson and marc faris

### SELECTED WORKS

*Stars*, for large orchestra with piano  
Completed April 2015

*Invictus*, for SSAATTBB a cappella choir  
Premiere Performance November 2014 at the University of Louisville  
New Music Festival, Kent Hatteberg dir.

*Interspersion*s, for flute, violin, and piano  
Premiere Performance April 2014 at the University of Louisville

*May (the Spring Dawn)*, for concert band  
Premiere Performance January 2014 at the University of Louisville  
Invitational Honor Band, Mark Lynn dir.

*While We Are At Home*, for choir, organ and ensemble  
Commissioned and Premiered by the St. Martin's Episcopal Church choir  
November 2012, Budd Kirby, dir.