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Title

Catapult

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Publication Date

2020

Catapult
for the Tulsa Signature Symphony
by Karen Naifeh Harmon

Commissioned by Erica Parker
duration: 4'40"

Instrumentation:

3 Flutes

2 Oboes

2 Clarinets in Bb

2 Bassoons

4 Horns in F

3 Trumpets in C

2 Trombones

1 Bass Trombone

1 Tuba

**Timpani*

Cymbals

Glockenspiel

Chimes

Harp

Fortepiano

Violin I

Violin II

Viola

Cello

Double Bass

**G₂, A₂, D₃, A₃*

Timpani tuning

Catapult

The Tulsa Signature Symphony with Tulsa Honors Orchestra
commissioned by Erica Parker

Karen Naifeh Harmon

Allegro $\text{♩} = 130$
Latido del Corazon

Sons étouffés

Harp

Piano

Violin I

Violin II

Viola

Cello

Double Bass

p *mp*

col legno *p* simile *mp*

1 2 3 4 5 6

Catapult

Fl. I & II: *mp*, *mf*, *mf*

Fl. III: *mp*, *mf*

Ob.: *mf*

B> Cl.: *mf*, *mf*

Bsn.: *mp*, *mf*, *mp*

Hn. I & II: *p*, *mp*, *p*

C Tpt. I & II: *p*, *p*

C Tpt. III: *p*

Tbn.: *p*

Hp.: *pp*, *mp*, *p*

Pno.: *pp*, *mp*, *p*, *dolce*, *mf*

Vln. I: *pp*, *pizz.*, *p*, *arco*

Vln. II: *pp*, *mp*, *p*, *arco*

Vla.: *pp*, *p*, *arco*

Vc.: *pp*, *mf*

D.B.: *pp*, *p*

Performance Markings: *dolce*, *arco*, *pizz.*, *L.V.*, *a2*, *1.*

Page Numbers: 7, 8, 9, 10, 11, 12

Catapult

4

Allegro con brio $\text{♩} = 135$

The score is for a full orchestra and includes the following parts:

- Fl. I & II
- Fl. III
- Ob.
- B♭ Cl.
- Bsn.
- Hn. I & II
- Hn. III & IV
- C Tpt. I & II
- C Tpt. III
- Tbn.
- B. Tbn.
- Timp.
- Cym.
- Glk.
- Chm.
- Hp.
- Pno.
- Vln. I
- Vln. II
- Vla.
- Vc.
- D.B.

Key performance markings include *mf*, *mp*, *p*, *f*, *fz*, *pizz.*, and *simile*. The score is divided into measures 13 through 18.

Catapult

Fl. I & II
Fl. III
Ob.
B♭ Cl.
Bsn.
Hn. I & II
Hn. III & IV
C Tpt. I & II
C Tpt. III
Tbn.
B. Tbn.
Tuba
Timp.
Cym.
Glk.
Chm.
Hp.
Pno.
Vln. I
Vln. II
Vla.
Vc.
D.B.

19 20 21 22 23 24

Catapult

6

This musical score is for the piece "Catapult" and covers measures 25 through 30. The score is written for a large ensemble of instruments. The key signature is one sharp (F#) and the time signature is 4/4. The score includes parts for Flute I & II, Flute III, Oboe, Bass Clarinet, Bassoon, Horn I & II, Horn III & IV, Trumpet I & II, Trumpet III, Trombone, Bass Trombone, Tuba, Timpani, Cymbals, Glockenspiel, Harp, Piano, Violin I, Violin II, Viola, Violoncello, and Double Bass. The score features various dynamics such as *mp*, *mf*, *p*, and *mfz*, and includes performance markings like *acc.*, *rit.*, *tr.*, and *arco*. A rehearsal mark "B" is placed above the first staff at the beginning of measure 27. The score is divided into measures 25, 26, 27, 28, 29, and 30, with a 3/4 time signature change occurring at the start of measure 29.

Catapult

Fl. I & II *mf* *a2*

Fl. III *mf* *a2*

Ob. *mp* *mf* *a2*

B♭ Cl. *mf* *a2*

Bsn. *mp* *mf* *mp*

Hn. I & II *mf*

Hn. III & IV *mf* *mf*

C Tpt. I & II *mf* *mf*

C Tpt. III *mf* *mf*

Tbn. *mf* *mf*

B. Tbn. *mf* *mp*

Tuba *mf* *mp*

Timp. *mp*

Cym. *mp* L.V. L.V. L.V. *p*

Glk. *mf*

Hp. *mf*

Pno. *mf*

Vln. I *mf*

Vln. II *mf*

Vla. *mf* *mf*

Vc. *mp* *pizz.*

D.B. *mf* *arco* *pizz.*

Catapult

8

C

Fl. I & II
Fl. III
Ob.
B♭ Cl.
Bsn.
Hn. III & IV
C Tpt. I & II
C Tpt. III
Tbn.
B. Tbn.
Timp.
Cym.
Glk.
Hp.
Pno.
Vln. I
Vln. II
Vla.
Vc.
D.B.

37 38 39 40 41 42

Catapult

Fl. I & II *mp*

Fl. III *mp*

Ob. *mp*

B \flat Cl. *mp* *mf*

Bsn. *mp* *p* *mp* *p*

Hn. I & II *mp* *p*

C Tpt. I & II *mp* *p*

C Tpt. III *mp* *p*

Tbn. *p*

B. Tbn. *p*

Tuba *p*

Glk. *mp* *mp*

Chm. *mp* *mp*

Hp. *mp* *mp* *p* *simile*

Pno. *mp*

Vln. I *mp*

Vln. II *mp* *p* *arco*

Vla. *pizz.* *p* *pizz.* *p*

Vc. *pizz.* *mp* *arco* *p* *pizz.* *p*

D.B. *pizz.* *mp* *arco* *pp* *pp* *p*

43 *mp* 44 *pp* 45 *pp* 46 *pp* 47 48

Catapult

10

Fl. I & II *p* *mp*

Fl. III *p* *mp*

Ob. *p*

B♭ Cl. *mp* *mp*

Bsn. *mp* *mp*

Hn. I & II *p* *mp*

Hn. III & IV *mf* *mp*

C Tpt. I & II *p* *mf*

C Tpt. III *p* *mf*

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

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

Tuba *p* *p* *mp*

Hp. *mp* *p* *mp*

Pno. *mp* *p*

Vln. I *mp* *mp*

Vln. II *p* *p* *p* *p*

Vla. *p* *p* *p*

Vc. *p* *p* *p*

D.B. *p* *p*

49 50 51 52 53 54

Catapult

D

Fl. I & II
Fl. III
Ob.
B♭ Cl.
Bsn.
Hn. I & II
Hn. III & IV
C Tpt. I & II
C Tpt. III
Tbn.
Hp.
Pno.
Vln. I
Vln. II
Vla.
Vc.
D.B.

55 56 57 58 59 60

Catapult

12

passionato *grandioso*

Fl. I & II *mf* *passionato* *f*

Fl. III *mf* *passionato* *f*

Ob. *mf* *a2* *f*

B♭ Cl. *mf* *passionato* *f*

Bsn. *mp* *f*

Hn. I & II *mf*

Hn. III & IV *mf*

C Tpt. I & II *p* *a2* *f*

C Tpt. III *f*

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

B. Tbn. *mp* *mf*

Tuba *mp* *mf*

Timp. *p* *mf*

Cym. *mp* *mf* *L.V.* *simile*

Glk. *mp* *mf*

Chm. *mf*

Hp. *mf* *mf*

Pno. *mp* *mf*

Vln. I *mf* *passionato* *f*

Vln. II *mf* *passionato* *f*

Vla. *mp* *col legno battuto* *Div.* *simile* *arco* *f*

Vc. *mp* *col legno battuto* *Div.* *simile* *arco* *Div.* *mf*

D.B. *p* *col legno* *arco* *mf*

61 62 63 64 65 66

Catapult

E

cantabile

Fl. I & II *p* *mp*³

Fl. III *p* *mf*

Ob. *mf* *p*^{a2}

B♭ Cl. *mp* *mp*^{a2}

Bsn. *mp*

Hn. I & II *mp* *cantabile*

Hn. III & IV *p* *mp*

C Tpt. I & II *p*

C Tpt. III *p*

Tbn. II. *mp* *cantabile*

B. Tbn. *mp* *cantabile*

Cym. Roll with Marimba Mallets *pp* *p*^{L.V.} *pp*

Glk. *mp*

Chm. *mp* *cantabile*

Hp. *mp*

Pno. *p* *mp*

Vln. I *mp* *Div. pizz.* *arco* *mp*³

Vln. II *mp* *Div. pizz.* *arco* *mp*³

Vla. *mp* *Sul Tasto* *pizz.* *Arco Normale* *V* *arco* *Sul Tasto* *mp*³

Vc. *mp* *pizz.* *arco* *Sul Tasto* *mp* *cantabile*

D.B. *mp* *p*

Fl. I & II
Fl. III
Ob.
B♭ Cl.
Bsn.
Hn. I & II
Hn. III & IV
C Tpt. I & II
C Tpt. III
Tbn.
B. Tbn.
Tuba
Timp.
Cym.
Glk.
Chm.
Hp.
Pno.
Vln. I
Vln. II
Vla.
Vc.
D.B.

mp cantabile
mp
mf
mp
mf
mp cantabile
mp cantabile
p
p
a2
p
p
p
pp
p
pp
L.V.
p
mf
mp
p
mp
p
p
mp cantabile
cantabile
Div. simile
Div. Arco Normale simile
p
p
p

79 80 81 82 83 84

Catapult

16

F

Musical score for Catapult, page 16, measures 85-90. The score is for a full orchestra and includes parts for Flutes I & II, Flute III, Oboe, Bass Clarinet, Bassoon, Horns I & II, Horns III & IV, Trumpets I & II, Trumpet III, Trombone, Glockenspiel, Chimes, Harp, Piano, Violin I, Violin II, Viola, Violoncello, and Double Bass. The key signature is two sharps (D major). The score features various dynamics including *mp*, *pp*, *mf*, and *p*, along with articulation marks like accents and slurs. A section marked 'F' begins at measure 85. The bottom of the page shows measure numbers 85, 86, 87, 88, 89, and 90.

Catapult

The musical score for 'Catapult' spans measures 91 to 96. It features the following parts and markings:

- Fl. I & II:** Starts at measure 92 with *mp*. Measure 94 has a first ending (*mf*) marked *mysterioso*.
- Fl. III:** Starts at measure 92 with *mp*.
- Ob.:** Starts at measure 92 with *mp*. Measure 94 has a first ending (*mp*) marked *mysterioso*.
- B♭ Cl.:** Starts at measure 91 with *mp*, changes to *mf* at measure 92, and *mp* at measure 93.
- Bsn.:** Starts at measure 91 with *p*.
- Hn. I & II:** Starts at measure 91 with *p*.
- Hn. III & IV:** Starts at measure 92 with *mp*.
- Hp.:** L.V. markings at measures 94 and 95 with *mp*.
- Pno.:** Starts at measure 91 with *p*. Measure 94 has a first ending (*mp*) marked *mysterioso*.
- Vln. I & II:** *Div.* markings at measures 91 and 92.
- Vla.:** Starts at measure 93 with *p* and *arco*. Measure 94 has a first ending (*mp*) marked *mysterioso*.
- Vc.:** Starts at measure 94 with *p* and *col legno*.
- D.B.:** Starts at measure 94 with *p* and *col legno*.

Catapult

18

Ob. *a2*
p

B♭ Cl. *1.*
mp *mysterioso* *mf* *p*

Bsn. *p*

Hn. I & II *1.*
mp *mysterioso*

Hn. III & IV *mp*

C Tpt. I & II *mp*

Tbn. *1.*
mp *mysterioso*

Pno.

Vln. I *Solo arco*
col legno *mf* *3* *mysterioso*

Vln. II *col legno* *mp*

Vla. *col legno* *mp*

Vc.

D.B.

97 98 99 100 101 102

Catapult

con brio

G

Fl. I & II *p* *p* *mf* *f*

Fl. III *p* *p* *mf* *f*

Ob. *a2* *mf* *f*

B♭ Cl. *a2* *mf* *f*

Bsn. *mf* *mysterioso* *mf* *f*

Hn. I & II *mf* *mf*

Hn. III & IV *mf*

C Tpt. I & II *mf*

C Tpt. III *mf*

Tbn. *a2* *p*

B. Tbn. *p*

Cym. *strike with drum stick tip* *mf*

Glk. *mf*

Chm. *mf*

Pno. *mf*

Vln. I *Tutti col legno* *mp* *arco* *mp* *mf*

Vln. II *col legno* *mp* *arco* *mp* *mf*

Vla. *Solo arco* *mf* *Tutti* *mp* *mf*

Vc. *col legno* *mp* *arco* *mf*

D.B. *arco* *mp* *mf*

Catapult

Fl. I & II
Fl. III
Ob.
B♭ Cl.
Bsn.
Hn. I & II
Hn. III & IV
C Tpt. I & II
C Tpt. III
Tbn.
B. Tbn.
Tuba
Cym.
Glk.
Chm.
Pno.
Vln. I
Vln. II
Vla.
Vc.
D.B.

Catapult

Allegro con fuoco

$\text{♩} = 144$

Fl. I & II *mf* *a2* *tr*

Fl. III *mf* *tr*

Ob. *mf* *a2* *tr*

B♭ Cl. *mf* I. II. I. II.

Bsn. *mf*

Hr. I & II *mf* *mp* *mf* *mp*

C Tpt. I & II *mf* *mp* *mf* *mp*

C Tpt. III *mf* *mp* *mf* *mp*

Tbn. *mf* *mp*

B. Tbn. *mf* *mp*

Tuba *mf* *mp*

Timp. *pp*

Cym. *mf*

Glk. *mf*

Chm. *mp*

Hp. *mp* Bb F natural

Pno. *mf*

Vln. I *mf* *Div.*

Vln. II *mf*

Vla. *mf* *mp* *mf* *mp* *pizz.*

Vc. *mf* *mp* *mf* *mp* *pizz.*

D.B. *mf* *mp* *mf* *mp* *pizz.*

Catapult

Fl. I & II *mf* *a2*

Fl. III *mf*

Ob. *mf*

B♭ Cl. *mf*

Bsn. *mf*

Hn. I & II *mf*

Hn. III & IV *mf*

C Tpt. I & II *f*

C Tpt. III *f*

Tbn. *mf*

B. Tbn. *mf*

Tuba *mf*

Timp. *mf*

Cym. *Cym Crash with Marimba Mallet L.V.* *L.V.* *L.V.* *L.V.* *L.V.*

Glk. *mf*

Chm. *mf*

Hp. *mf*

Pno. *mf*

Vln. I *f* *mf*

Vln. II *mf*

Vla. *f* *arco*

Vc. *mf* *arco*

D.B. *mf* *arco*

Fl. I & II

Fl. III

Ob.

B♭ Cl.

Bsn.

Hn. I & II

Hn. III & IV

C Tpt. I & II

C Tpt. III

Tbn.

B. Tbn.

Tuba

Timp.

Cym.

Glk.

Chm.

Hp.

Pno.

Vln. I

Vln. II

Vla.

Vc.

D.B.

sfz

mf

f

mp

p

L.V.

Brushes on Sus Cym

simile

B natural

Div.

127 128 129 130 131 132

Fl. I & II

Fl. III

Ob.

B♭ Cl.

Bsn.

Hn. I & II

C Tpt. I & II

C Tpt. III

Tbn.

B. Tbn.

Tuba

Timp.

Cym.

Glk.

Chm.

Hp.

Pno.

Vln. I

Vln. II

Vla.

Vc.

D.B.

f

mf

a2

Div.

tr

V

This page of the musical score for "Catapult" features a variety of instruments. The woodwinds include Flute I & II, Flute III, Oboe, Bass Clarinet, and Bassoon. The brass section consists of Trumpets I & II, Trumpet III, Trombone, Baritone Trombone, and Tuba. The strings include Violin I, Violin II, Viola, Violoncello, and Double Bass. The Harp and Piano are also present. The score is written in a key signature of three sharps (F#, C#, G#) and a 3/4 time signature. It includes dynamic markings such as *mf* and *f*, and articulation marks like accents and slurs. The Harp part includes a specific instruction for a "Bb F natural". The page is divided into measures, with measure numbers 139 through 144 indicated at the bottom.

Fl. I & II
Fl. III
Ob.
B♭ Cl.
Bsn.
Hn. I & II
Hn. III & IV
C Tpt. I & II
C Tpt. III
Tbn.
B. Tbn.
Tuba
Timp.
Cym.
Glk.
Chm.
Hp.
Pno.
Vln. I
Vln. II
Vla.
Vc.
D.B.

mf, *f*, *ff*, *cresc.*, *Div.*, *Roll with Marimba Mallets*, *simile*

157 158 159 160 161

Fl. I & II

Fl. III

Ob.

B♭ Cl.

Bsn.

Hn. I & II

Hn. III & IV

C Tpt. I & II

C Tpt. III

Tbn.

B. Tbn.

Tuba

Timp.

Cym.

Glk.

Chm.

Hp.

Pno.

Vln. I

Vln. II

Vla.

Vc.

D.B.

K

tr

f

162 163 164 165 166

Fl. I & II
 Fl. III
 Ob.
 B♭ Cl.
 Bsn.
 Hn. I & II
 Hn. III & IV
 C Tpt. I & II
 C Tpt. III
 Tbn.
 B. Tbn.
 Tuba
 Timp.
 Cym.
 Glk.
 Chm.
 Hp.
 Pno.
 Vln. I
 Vln. II
 Vla.
 Vc.
 D.B.

Musical score for Capatult, page 30. The score is written for a full orchestra and includes various instruments. The key signature is one sharp (F#) and the time signature is 6/8. The score is divided into measures 167, 168, 169, 170, 171, and 172. The instruments listed are Flute I & II, Flute III, Oboe, B♭ Clarinet, Bassoon, Horn I & II, Horn III & IV, Trumpet I & II, Trumpet III, Trombone, Baritone Trombone, Tuba, Timpani, Cymbal, Glockenspiel, Chimes, Harp, Piano, Violin I, Violin II, Viola, Violoncello, and Double Bass. The score includes dynamic markings such as *ff* (fortissimo) and *pp* (pianissimo), and performance instructions like *rit.* (ritardando) and *grazioso* (gracefully). The Cymbal part includes a *Cym Crash* instruction. The Harp part includes a *grazioso* instruction and a *L.V.* (Lied Vokal) instruction. The Piano part includes *cresc.* (crescendo) markings. The Violin I and II parts include *ff* markings. The Viola part includes *ff* markings. The Violoncello part includes *ff* markings. The Double Bass part includes *ff* markings.