

CRITICAL MASS

By Todd Stalter

“Critical mass” is a scientific term that refers to the smallest amount of fissile material needed to sustain a nuclear chain reaction. The work begins with an explosion of sound, then launches forward through small, ever-growing melodic fragments that expand outward and upward. Ostinati and lively, bold rhythmic statements are present throughout the work, which ends in an almost violent display of musical imagery.

Instrumentation

- | | |
|----------------------------------|---------------------------------------------------------------|
| 1 — Conductor Score | 2 — 1st F Horn |
| 10 — Flute | 2 — 2nd F Horn |
| 2 — Oboe | 2 — 1st Trombone |
| 2 — Bassoon | 2 — 2nd Trombone |
| 4 — 1st B \flat Clarinet | 2 — 3rd Trombone |
| 4 — 2nd B \flat Clarinet | 2 — Euphonium |
| 4 — 3rd B \flat Clarinet | 4 — Tuba |
| 2 — B \flat Bass Clarinet | Percussion — 7 players: |
| 2 — 1st E \flat Alto Saxophone | 1 — Bells |
| 2 — 2nd E \flat Alto Saxophone | 1 — Xylophone |
| 2 — B \flat Tenor Saxophone | 2 — Percussion 1 |
| 1 — E \flat Baritone Saxophone | (Snare Drum, Bass Drum) |
| 3 — 1st B \flat Trumpet | 5 — Percussion 2 |
| 3 — 2nd B \flat Trumpet | (Suspended Cymbal/Triangle/
Woodblock, Tambourine/
Tom) |
| 3 — 3rd B \flat Trumpet | 1 — Timpani |

World Parts

available for download from
www.alfred.com/worldparts

- E \flat Alto Clarinet
- E \flat Contra Alto Clarinet
- B \flat Contra Bass Clarinet
- 1st E \flat Horn
- 2nd E \flat Horn
- 1st Trombone in B \flat T.C.
- 2nd Trombone in B \flat T.C.
- 3rd Trombone in B \flat T.C.
- 1st Trombone in B \flat B.C.
- 2nd Trombone in B \flat B.C.
- 3rd Trombone in B \flat B.C.
- Euphonium in B \flat B.C.
- Euphonium T.C.
- Tuba in B \flat T.C.
- Tuba in B \flat B.C.
- Tuba in E \flat T.C.
- Tuba in E \flat B.C.
- String Bass



Critical Mass

Todd Stalter
(ASCAP)

FULL SCORE
Duration - 2:35

Very fast! ♩ = 180

Flute

Oboe

Bassoon

B♭ Clarinets

B♭ Bass Clarinet

E♭ Alto Saxophones

B♭ Tenor Saxophone

E♭ Baritone Saxophone

B♭ Trumpets

F Horns

Trombones

Euphonium

Tuba

Bells

Xylophone

Percussion 1
(Snare Drum, Bass Drum)

Percussion 2
(Suspended Cymbal/
Triangle/Woodblock,
Tambourine/Tom)

Timpani

Very fast! ♩ = 180

Pick a note!

ffz

ff

a2

S.D.

B.D.

Sus. Cym. (w/snare stick) ch.

simile

Tune: G, D

1 2 3 4 5 6



Fl.

Ob.

Bsn.

Cls. 1 2 3

B. Cl.

A. Saxes 1 2

T. Sax.

Bar. Sax.

Tpts. 1 2 3

Hns. 1 2

Trbs. 1 2 3

Euph.

Tuba

Bells

Xyl.

Perc. 1

Perc. 2

Timp.

Fl.

Ob.

Bsn.

1
Cls.

2
3
B. Cl.

1
2
A. Saxes

T. Sax.

Bar. Sax.

14

1
Tpts.

2
3

Hns.

1
2

1
Trbs.

2
3

Euph.

Tuba

Bells

Xyl.

Perc. 1

Perc. 2

Timp.

ch. simile

FL. **23**

Ob.

Bsn.

1 **sfz** **ff**

2 **sfz** **ff**

3

B. Cl.

A. Saxes 1 **sfz** **ff**

2 2 **sfz** **ff**

T. Sax.

Bar. Sax. **sfz** **ff**

1 **sfz** **ff**

2 2 **sfz** **ff**

Tpts. **sfz** **ff**

2 3 **sfz** **ff**

3

Hns. **sfz** **ff**

1 2 **sfz** **ff**

Trbs. **sfz** **ff**

1 2 **sfz** **ff**

2 3 **sfz** **ff**

3

Euph.

Tuba **sfz** **ff**

Bells

Xyl. **sfz** **ff**

Perc. 1 **ch.**

Perc. 2

Timp. Solo **ff**

19 20 21 22 **ff** 23 24

33860S

Fl.

Ob.

Bsn.

1
Cls. *mf*

2
3
B. Cl. *mf*

A. Saxes 1 2

T. Sax.

Bar. Sax.

1
Tpts. 2 3

1 2
Hns. *mf*

1
Trbs. *mf*

2
3
Euph. *mf*

Tuba *mf*

Bells

Xyl.

Perc. 1

Perc. 2 *mf*
Triangle

Timp.

25 26 27 28 29 30

31

Fl. *mp*

Ob.

Bsn.

Cl. 1 *p*

Cl. 2 *p*

Cl. 3 *p*

B. Cl. *p*

A. Saxes 1 2

T. Sax.

Bar. Sax.

31

Tpts. 1

Tpts. 2 3

Hns. 1 2 *p*

Trbs. 1 *p*

Trbs. 2 3 *p*

Euph. *p*

Tuba *p*

Bells *mp*

Xyl.

Perc. 1 (snare off) *p*

Perc. 2 Tamb. *p*

Timp. *p*

31 32 33 34 35 36



39

Fl.

Ob.

Bsn.

Clars.

1
2
3

B. Cl.

A. Saxes

T. Sax.

Bar. Sax.

Tpts.

1
2
3

Hns.

1
2

Trbs.

1
2
3

Euph.

Tuba

Bells

Xyl.

Perc. 1

Perc. 2

Timp.

39

8
p
div.

a2

p

p

p

mf

p

(med. yarn mallets)

mp

p



47 **molto rit.**

Fl.

Ob.

Bsn.

1
2
3
Cls.

B. Cl.

1
2
A. Saxes

T. Sax.

Bar. Sax.

1
2
3
Tpts.

1
2
Hns.

1
2
3
Trbs.

Euph.

Tuba

Bells

Xyl.

Perc. 1

Perc. 2

Timp.

33860S

43 44 45 46 47 48

53 A tempo ♩ = 180

Fl.

Ob.

Bsn.

1
Cls.

2
3
B. Cl.

1
2
A. Saxes

T. Sax.

Bar. Sax.

53 A tempo ♩ = 180

1
Tpts.

2
3

Hns.

1
2

1
Trbs.

2
3

Euph.

Tuba

Bells

Xyl.

Perc. 1

Perc. 2

Timp.

61

Fl.

Ob.

Bsn.

1
Cls.

2
3

B. Cl.

A. Saxes 1
2

T. Sax.

Bar. Sax.

1
Tpts.

2
3

Hns. 1
2

1
Trbs.

2
3

Euph.

Tuba

Bells

Xyl.

Perc. 1

Perc. 2

Timp.

Woodblock *mp*

33860S

56 *p* 57 58 59 60 61

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Detailed description of the musical score: The score is for a full orchestra, measures 56 to 61. The key signature is B-flat major. The time signature is common time (4/4).
 - Flute: Enters at measure 61 with a melodic phrase starting on G4, moving down to E4, then up to G4 and A4. Dynamics: *p*.
 - Oboe: Enters at measure 61 with a melodic phrase starting on G4, moving down to E4, then up to G4 and A4. Dynamics: *p*.
 - Bassoon: Enters at measure 61 with a melodic phrase starting on G4, moving down to E4, then up to G4 and A4. Dynamics: *p*.
 - Clarinet 1: Enters at measure 61 with a melodic phrase starting on G4, moving down to E4, then up to G4 and A4. Dynamics: *p*.
 - Clarinet 2 & 3: Enter at measure 61 with a melodic phrase starting on G4, moving down to E4, then up to G4 and A4. Dynamics: *p*.
 - Alto Saxophone: Measure 56 has first and second endings. First ending: G#4, A4, B4, A4, G#4. Second ending: G#4, A4, B4, A4, G#4. Measure 61: G#4, A4, B4, A4, G#4. Dynamics: *p*.
 - Tenor Saxophone: Measure 61: G#4, A4, B4, A4, G#4. Dynamics: *p*.
 - Baritone Saxophone: Measure 61: G#4, A4, B4, A4, G#4. Dynamics: *p*.
 - Trumpets: Measure 56: G4, A4, B4, A4, G4. Measure 61: G4, A4, B4, A4, G4. Dynamics: *a2*.
 - Horns: Measure 56: G4, A4, B4, A4, G4. Measure 61: G4, A4, B4, A4, G4. Dynamics: *p*.
 - Trombones: Measure 56: G4, A4, B4, A4, G4. Measure 61: G4, A4, B4, A4, G4. Dynamics: *p*.
 - Euphonium: Measure 61: G4, A4, B4, A4, G4. Dynamics: *p*.
 - Tuba: Measure 61: G4, A4, B4, A4, G4. Dynamics: *p*.
 - Bells: Measure 61: G4, A4, B4, A4, G4. Dynamics: *p*.
 - Xylophone: Measure 61: G4, A4, B4, A4, G4. Dynamics: *p*.
 - Percussion 1: Measure 61: G4, A4, B4, A4, G4. Dynamics: *p*.
 - Percussion 2: Measure 56: Woodblock. Measure 61: Woodblock. Dynamics: *mp*.
 - Timpani: Measure 56: G2, A2, B2, A2, G2. Measure 61: G2, A2, B2, A2, G2. Dynamics: *p*.

Fl. *div.*

Ob.

Bsn.

Cl. 1
2
3

B. Cl.

A. Saxes 1
2

T. Sax.

Bar. Sax.

Tpts. 1
2
3

Hns. 1
2

Trbs. 1
2
3

Euph.

Tuba

Bells

Xyl.

Perc. 1

Perc. 2

Timp.

69

Fl.

Ob.

Bsn.

1
Cls.

2
3

B. Cl.

1
2
A. Saxes

T. Sax.

Bar. Sax.

69

1
Tpts.

2
3

1
2
Hns.

1
2
Trbs.

Euph.

Tuba

Bells

Xyl.

Perc. 1

Perc. 2

Timp.

p

p (snare on)

p

p

Tom

Tri.

Tamb.

Fl. *pp* *fff* Pick a note! *sfz*

Ob. *pp* *fff* Pick a note! *sfz*

Bsn. *pp* *fff* Pick a note! *sfz*

Cls. 1 *pp* *fff* Pick a note! *sfz*
 2 *pp* *fff* Pick a note! *sfz*
 3 *pp* *fff* Pick a note! *sfz*

B. Cl. *pp* *fff* Pick a note! *sfz*

A. Saxes 1 *a2* *pp* *fff* Pick a note! *sfz*
 2 *pp* *fff* Pick a note! *sfz*

T. Sax. *pp* *fff* Pick a note! *sfz*

Bar. Sax. *pp* *fff* Pick a note! *sfz*

Tpts. 1 *pp* *fff* Pick a note! *sfz*
 2 *pp* *fff* Pick a note! *sfz*
 3 *pp* *fff* Pick a note! *sfz*

Hns. 1 *a2* *pp* *div.* *fff* Pick a note! *sfz*
 2 *pp* *fff* Pick a note! *sfz*

Trbs. 1 *pp* *fff* Pick a note! *sfz*
 2 *pp* *fff* Pick a note! *sfz*
 3 *pp* *fff* Pick a note! *sfz*

Euph. *pp* *fff* Pick a note! *sfz*

Tuba *pp* *fff* Pick a note! *sfz*

Bells

Xyl. (hard plastic mallets) *sfz*

Perc. 1

Perc. 2

Timp. *pp* *fff*

79

Fl. *ff*

Ob. *ff*

Bsn. *ff*

1 Cls. *ff*

2 *a2* *ff*

3

B. Cl. *ff*

1/2 A. Saxes *ff*

T. Sax. *ff*

Bar. Sax. *ff*

79

1 Tpts. *ff*

2 *ff*

3 *a2*

Hns. 1/2 *ff*

1 Trbs. *ff*

2 *ff*

3

Euph. *ff*

Tuba *ff*

Bells *ff*

Xyl. *ff*

Perc. 1 *ff*

Perc. 2 *ff* ch. simile

Timp. *ff*

33860S *ff* 79 80 81 82 83



Fl.
Ob.
Bsn.
Cls. 1
Cls. 2
Cls. 3
B. Cl.
A. Saxes 1
A. Saxes 2
T. Sax.
Bar. Sax.
Tpts. 1
Tpts. 2
Tpts. 3
Hns. 1
Hns. 2
Trbs. 1
Trbs. 2
Trbs. 3
Euph.
Tuba
Bells
Xyl.
Perc. 1
Perc. 2
Timp.

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Fl.

Ob.

Bsn.

Cl. 1
2
3

B. Cl.

A. Saxes 1
2

T. Sax.

Bar. Sax.

Tpts. 1
2
3

Hns. 1
2

Trbs. 1
2
3

Euph.

Tuba

Bells

Xyl.

Perc. 1

Perc. 2

Timp.

91

ch.

simile

ff

Fl.

Ob.

Bsn.

1
Cls.

2
3

B. Cl.

A. Saxes 1
2

T. Sax.

Bar. Sax.

1
Tpts.

2
3

Hns. 1
2

1
Trbs.

2
3

Euph.

Tuba

Bells

Xyl.

Perc. 1

Perc. 2

Timp. *ff*

100

Fl.

Ob.

Bsn.

1
2
3
Cls.

B. Cl.

A. Saxes
1
2

T. Sax.

Bar. Sax.

100

1
2
3
Tpts.

Hns.
1
2

1
2
3
Trbs.

Euph.

Tuba

Bells

Xyl.

Perc. 1

Perc. 2

Timp.

