

Alleles

for Symphonic Band

by

Jason Huffman



Instrumentation:

Piccolo

Flutes 1,2

Oboes 1,2

English Horn (optional)

Clarinet in Eb

Clarinets 1,2,3 in Bb

Alto Clarinet (optional)

Bass Clarinet

Contrabass Clarinet (optional if Contrabassoon present)

Bassoons 1,2

Contrabassoon (optional if Contrabass Clarinet present)

Alto Saxophones 1,2

Tenor Saxophones

Baritone Saxophones

Trumpets 1,2,3,4 in Bb

Horns 1,2,3,4

Trombones 1,2

Bass Trombones

Euphoniums

Tubas

Double Bass (optional)

Timpani

Percussion 1 (Triangle, Snare Drum, Bass Drum)

Percussion 2 (Bass Drum, Tam-tam, Crash Cymbals, Triangle)

Percussion 3 (Glockenspiel, Xylophone)

Percussion 4 (Marimba)

Notes on Instrumentation:

The English Horn, Alto Clarinet, Double Bass, and either Contrabass Clarinet or Contrabassoon (one or the other is necessary) are all optional but highly desirable if available.

Program Note:

An allele is one of a number of alternative forms of the same gene or genetic locus. Some genetic variations result in vast differences from eye color to blood type; many others result in almost no variation beyond the gene itself.

The gene in *Alleles* is a simple pattern of three sustained notes: [1] The initial note, [2] a large leap in either direction, [3] then a smaller leap in the opposite direction such that the note we end up on is either just above or below the initial pitch. Almost all possible versions of this motive [motive A] are stated fugally at the beginning with interruptions by freer melodic statements introducing a rhythmic repeated note motive [motive B] and a harmonic cluster motive [motive C], both of which derive from motive A and gain a life of their own in subsequent sections. The fugue ends with a bigger statement of motive B, which the percussion takes over. This transitions into a much weightier, almost muscular statement of motive A in sustained brass canons moving in and out of a heavy motive B accompaniment. Just as the brass begin to dominate the texture, motive B takes over completely and rushes headlong into a climactic statement of all versions of the motive stated simultaneously in the entire ensemble, split into two cross-faded groups. The percussion again transitions into a restatement of the opening, though now in widely spaced chords expanding and contracting down until we are left with only motive C stated three times, aching each time more fully into consonance.

Alleles

♩ = 52

9

This page of the musical score for "Alleles" by Jason Huffman, page 9, features a variety of instruments. The woodwind section includes Piccolo, Flute 1 & 2, Oboe 1 & 2, English Horn, Clarinet in E♭, Clarinet in B♭ 1, Clarinet in B♭ 2 & 3, Alto Clarinet, Bass Clarinet, Contrabass Clarinet, Bassoon 1 & 2, Contrabassoon, Alto Sax 1 & 2, Tenor Sax, and Baritone Sax. The brass section includes Trumpet in B♭ 1 & 2, Trumpet in B♭ 3 & 4, Horn in F 1 & 2, Horn in F 3 & 4, Trombone 1 & 2, Bass Trombone, Euphonium, and Tuba. The Double Bass and Timpani are also present. The percussion section includes Percussion 1 (Triangle), Percussion 2 (Bass Drum), Percussion 3 (Glockenspiel), and Percussion 4. The score is written in 3/4 time with a tempo of ♩ = 52. Dynamics range from *pp* to *mp*. Performance instructions include "1. St. Mute (Metal)" for the trumpets and trombones, and "1. St. Mute (Metal)" for the bass trombone. The page number "9" is enclosed in a box at the top right.

13 Picc. *p* *f* *f* *f*

Fl. 1,2 *p* *f* *f* *f* *f*

Ob. 1,2 *f*

E.Hn. *f*

E♭ Cl. *p* *f* *f* *f*

B♭ Cl. 1 *mp* *p* *p* *mf* *f* *f*

B♭ Cl. 2,3 *p* *f* *f*

A. Cl. *mp* *p* *f* *f* *f*

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

Cb. Cl. *mp* *p* *f* *f*

Bsn. 1,2 *p* *f* *f* *f* *f* *a2*

C. Bn. *f* *f* *f* *f*

A. Sx. 1,2 *mp* *p* *f* *f* *f* *a2*

T. Sx. *mp* *f* *f* *f*

B. Sx. *mp* *f* *f* *f*

B♭ Tpt. 1,2 *pp* *mf* *f* *f* *f* *f*

B♭ Tpt. 3,4 *p* *f* *p* *f* *p* *f*

Hn. 1,2 *f* *f* *f* *f*

Hn. 3,4 *f* *f* *f* *f*

Tbn. 1,2 *pp* *f* *p* *f* *ff* *p* *f*

B. Tbn. *p* *f* *p* *f* *ff* *p* *f*

Euph. *p* *f* *p* *f* *ff* *p* *f*

Tuba *p* *f* *p* *f* *ff* *p* *f*

D.B. *p* *f* *p* *f* *ff* *pizz.* *arco* *p* *f*

Timp. *f* *f* *ff* *f*

1 Snare Drum *mf*

2 B.D. *f* *p* *ff* *p*

3

4 Marimba *f*

23 Picc. *f* *mf* *ff* *mf* *ff*

Fl. 1,2 *mf* *ff* *mf* *ff*

Ob. 1,2

E. Hn. *ff*

E♭ Cl. *p*

B♭ Cl. 1

B♭ Cl. 2,3 *p*

A. Cl. *f* *ff* *p* *mf*

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

Cb. Cl. *f* *p* *p*

Bsn. 1,2 *f* *p* *p*

C. Bn. *f* *p* *p*

A. Sx. 1,2 *f* *p* *mf* *mf*

T. Sx. *f* *p*

B. Sx. *f* *p* *mf*

23 B♭ Tpt. 1,2 *f*

B♭ Tpt. 3,4 *p* *f*

Hn. 1,2 *a2* *f*

Hn. 3,4 *a2* *f*

Tbn. 1,2 *p* *f* I. St. Mute (Metal) *pp* *pp* I. St. Mute (Metal)

B. Tbn. *p* *f* *p*

Euph. *p* *f*

Tuba *p* *f* *p*

D. B. *p* *f* *p*

23 Timp. *f* *p*

23 1 *Tri.* *p* *f* *p* *f*

2 *B.D.* *p* *pp*

23 3

23 4

This page contains the musical score for measures 37 through 44 of an orchestral piece. The score is arranged in a standard orchestral layout with the following parts from top to bottom:

- Picc.
- Fl. 1, 2
- Ob. 1, 2
- E. Hn.
- E♭ Cl.
- B♭ Cl. 1
- B♭ Cl. 2, 3
- A. Cl.
- B. Cl.
- Cb. Cl.
- Bsn. 1, 2
- C. Bn.
- A. Sx. 1, 2
- T. Sx.
- B. Sx.
- B♭ Tpt. 1, 2
- B♭ Tpt. 3, 4
- Hn. 1, 2
- Hn. 3, 4
- Tbn. 1, 2
- B. Tbn.
- Euph.
- Tuba
- D. B.
- Timp.
- 1 (Triangle)
- 2 (Triangle)
- 3 (Glockenspiel)
- 4 (Glockenspiel)

The score includes various musical notations such as notes, rests, slurs, and dynamic markings. Key dynamics include *p* (piano), *mf* (mezzo-forte), *pp* (pianissimo), and *ppp* (pianississimo). Performance instructions like *Tutti* and *a2* are also present. Measure numbers 37, 40, and 44 are clearly marked at the beginning of their respective staves.

Picc. *p₁* *p* *Tutti* *a2*

Fl. 1,2 *p* *a2*

Ob. 1,2 *p* *a2*

E. Hn. *p*

E♭ Cl. *p* *mf* *p*

B♭ Cl. 1 *p* *p* *p* *p* *Div.* *p*

B♭ Cl. 2,3 *p* *p* *a2* *p*

A. Cl. *p* *mf* *p* *ppp* *p*

B. Cl. *p* *p* *p* *ppp* *p*

Cb. Cl. *p* *mf* *p* *p* *a2*

Bsn. 1,2 *p* *p* *p*

C. Bn.

A. Sx. 1,2 *mf* *mf* *p* *a2* *p*

T. Sx. *mf* *p* *p*

B. Sx. *mf* *mf* *p*

B♭ Tpt. 1,2 *pp₁* *pp* *pp* *Tutti* *a2 Open* *p* *f* *p* *f*

B♭ Tpt. 3,4 *p* *f* *p* *f*

Hn. 1,2 *f* *mf*

Hn. 3,4 *f* *mf*

Tbn. 1,2 *pp₁* *pp* *pp* *Tutti* *a2 Open* *p* *f* *p* *f*

B. Tbn. *pp* *pp* *Tutti* *Open* *p* *f* *p* *f*

Euph. *p* *f* *p* *f*

Tuba

D. B.

Timp.

1

2

3

4

Musical score for page 65, featuring various instruments including Picc., Fl., Ob., E. Hn., Clarinets, Saxophones, Trombones, and Percussion. The score includes dynamic markings such as *p*, *f*, *pp*, and *ppp*, along with performance instructions like *St. Mute (Metal)* and *Unis.*. The score is organized into systems for different instrument groups, with measures 63-65 indicated.

Picc.

Fl. 1, 2

Ob. 1, 2

E. Hn.

E♭ Cl. 1

B♭ Cl. 1, 1

B♭ Cl. 2, 3

A. Cl. 1

B. Cl. 1

Cb. Cl. 1

Bsn. 1, 2

C. Bn. 1

A. Sax. 1, 2

T. Sax. 1

B. Sax. 1

B♭ Tpt. 1, 2

B♭ Tpt. 3, 4

Hn. 1, 2

Hn. 3, 4

Tbn. 1, 2

B. Tbn. 1

Euph. 1

Tuba 1

D. B. 1

Timp. 1

1

2

3

4

75

Picc. *p* *f* *p* *Tutti*

Fl. 1,2 *p* *Tutti* *p*

Ob. 1,2 *f* *p*

E. Hn. *f* *p*

E♭ Cl. *p* *f* *p* *f* *p*

B♭ Cl. 1 *p* *f* *p* *p* *f* *p*

B♭ Cl. 2,3 *p* *f* *p* *p* *f* *p*

A. Cl. *f* *p* *f* *p* *f* *p*

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

Cb. Cl. *f* *p* *p* *f* *p* *f*

Bsn. 1,2 *f* *p* *p* *f* *p*

C. Bn. *p* *f* *p* *f* *p* *f*

A. Sx. 1,2 *f* *p* *f* *p* *f* *p* *f* *p* *f* *p*

T. Sx. *f* *f* *f* *f* *f* *f*

B. Sx. *f* *f* *f* *f* *f* *f*

B♭ Tpt. 1,2 *pp* *pp* *pp*

B♭ Tpt. 3,4 *pp* *pp* *pp*

Hn. 1,2

Hn. 3,4

Tbn. 1,2 *pp* *pp* *pp* *pp*

B. Tbn. *pp* *pp* *pp*

Euph.

Tuba

D. B. *p* *p* *p*

75

Timp.

75

1 *Tri.* *p* *pp*

2

3 *Glock.* *p*

4

This page of a musical score, numbered 89, contains parts for the following instruments:

- Picc.
- Fl. 1, 2
- Ob. 1, 2
- E. Hn.
- E♭ Cl.
- B♭ Cl. 1
- B♭ Cl. 2, 3
- A. Cl.
- B. Cl.
- Cb. Cl.
- Bsn. 1, 2
- C. Bn.
- A. Sx. 1, 2
- T. Sx.
- B. Sx.
- B♭ Tpt. 1, 2
- B♭ Tpt. 3, 4
- Hn. 1, 2
- Hn. 3, 4
- Tbn. 1, 2
- B. Tbn.
- Euph.
- Tuba
- D. B.
- Timp.
- 1
- 2
- 3
- 4

The score includes various musical notations such as dynamics (p, mf, f, ff), articulation (accents, slurs), and performance instructions like "Tutti" and "a2 Open". The page number 86 is also visible at the start of several staves.

Picc. *f*

Fl. 1,2 *f*

Ob. 1,2 *mf*

E. Hn. *mf*

E♭ Cl. *f*

B♭ Cl. 1 *f*

B♭ Cl. 2,3 *f*

A. Cl. *mf* *ff* *mf* *ff* *mp*

B. Cl. *ff* *mf* *ff* *mf* *ff* *mp*

Cb. Cl. *ff* *mf* *ff* *mf* *ff* *mp*

Bsn. 1,2 *ff* *mf* *ff* *mf* *ff* *mp*

C. Bn. *ff* *mf* *ff* *mf* *ff* *mp*

A. Sx. 1,2 *ff* *ff* *f*

T. Sx. *ff* *ff* *f*

B. Sx. *f* *ff* *f*

B♭ Tpt. 1,2 *f* *mf*

B♭ Tpt. 3,4 *f* *mf*

Hn. 1,2 *f* *ff* *f* *ff* *mf*

Hn. 3,4 *f* *ff* *f* *ff* *mf*

Tbn. 1,2 *f* *mf* *p*

B. Tbn. *f* *mf*

Euph. *f* *ff* *f* *ff* *mf*

Tuba *f* *ff* *f* *ff* *mf*

D. B. *mf* *ff* *mf* *ff* *pizz.* *ff* *arco* *mf* *mp*

Timp. *ff* *f* *ff* *f* *ff* *ff* *mf*

1 S.D. *f* *mf*

2 B.D. *ff* *mf* *ff* *mp*

3

4 Mar. *f* *mf*

rit.

Picc. *mp* *mf* *p* *mf*
 Fl. 1,2 *mp* *mf* *p* *mf*
 Ob. 1,2 *mp* *ff*
 E. Hn. *mp* *ff*
 E♭ Cl. *mf* *f*
 B♭ Cl. 1 *mf* *mp* *f*
 B♭ Cl. 2,3 *mf* *mp* *p* *pp* *f*
 A. Cl. *f* *f*
 B. Cl. *f* *pp* *mp* *f*
 Cb. Cl. *f* *mf*
 Bsn. 1,2 *f* *pp* *mp* *mf*
 C. Bn. *f* *mf*
 A. Sx. 1,2 *ff*
 T. Sx. *ff*
 B. Sx. *ff*
 B♭ Tpt. 1,2 *mp* *p* *f*
 B♭ Tpt. 3,4 *mp* *f*
 Hn. 1,2 *f* *p* *mp* *mf*
 Hn. 3,4 *f* *mf*
 Tbn. 1,2 *mf*
 B. Tbn. *mf*
 Euph. *f* *p* *mp*
 Tuba *f*
 D. B. *f* *pp* *mp* *mf*
 Timp. *f* *p* *mp* *mf*
 1 *mp* *p* *mp* *mf* *f*
 2 *pp* *p* *f*
 3 *mf* *f*
 4 *mp* *f*

Picc. *p* *mf* *p* *mf* *p* *mp* *pp*

Fl. 1, 2 *p* *mf* *p* *mf* *p* *mp* *pp*

Ob. 1, 2 *p* *ff* *p* *ff* *p* *ff* *p*

E. Hn. *p* *ff* *p* *ff* *p*

E♭ Cl. *mf*

B♭ Cl. 1 *mf*

B♭ Cl. 2, 3 *mf*

A. Cl. *mf*

B. Cl. *mf*

Cb. Cl. *p* *mf* *p* *mf* *p* *mp* *pp*

Bsn. 1, 2 *p* *mf* *p* *mf* *p* *mp* *pp*

C. Bn. *p* *mf* *p* *mf* *p* *mp* *pp*

A. Sx. 1, 2 *p* *ff* *p* *ff* *p* *f* *p*

T. Sx. *p* *ff* *p* *ff* *p* *f* *p*

B. Sx. *p* *ff* *p* *ff* *p* *ff* *p*

B♭ Tpt. 1, 2 *mf* *mp* *mp* *f* *f* *ff*

B♭ Tpt. 3, 4 *mf* *mp* *mp* *f* *f* *ff*

Hn. 1, 2 *f* *mf* *mp* *mp* *f* *ff*

Hn. 3, 4 *f* *mf* *mp* *mp* *f* *ff*

Tbn. 1, 2 *mf* *f* *mf* *mp* *f* *f*

B. Tbn. *mf* *f* *mf* *mp* *f*

Euph. *mf* *f* *mp* *f*

Tuba *f* *mp* *f*

D. B. *p* *mf* *p* *mf* *p* *mp* *pp*

Timp. *mp*

1

2 *f* *f* *mf*

3 *mf* *mf* *mp*

4 *mf* *mf*

This page of a musical score, page 126, covers measures 122 through 131. The score is arranged in a standard orchestral layout with various instruments and their parts. The key signature has one flat (B-flat), and the time signature is 3/4. The score includes parts for Piccolo, Flutes 1 and 2, Oboes 1 and 2, English Horn, E-flat Clarinet, B-flat Clarinet 1, B-flat Clarinet 2 and 3, Alto Clarinet, Bass Clarinet, Contrabass Clarinet, Bassoons 1 and 2, Contrabassoon, Alto Saxophones 1 and 2, Tenor Saxophone, Baritone Saxophone, B-flat Trumpets 1 and 2, B-flat Trumpets 3 and 4, Horns 1 and 2, Horns 3 and 4, Trombones 1 and 2, Baritone Trombone, Euphonium, Tuba, Double Bass, and Timpani. The score features a variety of dynamics including *mp*, *pp*, *ff*, *f*, *mf*, *mp*, *ppp*, and *p*. There are also markings for *ff* and *p* with hairpins. The woodwinds and strings play sustained notes, while the brass instruments have more active parts with some melodic lines. The percussion parts are relatively sparse, with the timpani playing a simple rhythmic pattern.

129

Picc.

Fl. 1,2 *ppp* *p* *ppp* *mp* *mp*

Ob. 1,2 *ppp*

E.Hn.

E♭ Cl.

B♭ Cl. 1 *p* *p* *p*

B♭ Cl. 2,3 *p* *p*

A. Cl. *p* *p*

B. Cl. *p* *p*

Cb. Cl.

Bsn. 1,2 *ppp* *p* *ppp* *mp* *mp*

C. Bn.

A. Sx. 1,2

T. Sx.

B. Sx.

B♭ Tpt. 1,2 *mf* *f* *mf* *mp* *ff* *f* *p* St. Mute (Metal) *p* St. Mute (Metal)

B♭ Tpt. 3,4 *mf* *mp* *p* St. Mute (Metal) *p* St. Mute (Metal)

Hn. 1,2 *f* *mf* *ff* *mp* *f*

Hn. 3,4 *ff* *f* *mp*

Tbn. 1,2 *ff* *ff* *f*

B. Tbn.

Euph.

Tuba

D. B. *ff* *f*

Timp.

1 *S.D.* *p*

2

3

4 *p*

138

Picc.

Fl. 1,2

Ob. 1,2

E. Hn.

E♭ Cl.

B♭ Cl. 1

B♭ Cl. 2,3

A. Cl.

B. Cl.

Cb. Cl.

Bsn. 1,2

C. Bn.

A. Sx. 1,2

T. Sx.

B. Sx.

B♭ Tpt. 1,2

B♭ Tpt. 3,4

Hn. 1,2

Hn. 3,4

Tbn. 1,2

B. Tbn.

Euph.

Tuba

D. B.

Timp.

1

2

3

4

Musical score with various dynamics (p, mp, mf, f) and performance instructions (Mute, St. Mute (Metal), accel.).

$\text{♩} = 52$ (Tempo I)

146 Picc. *mf* *f* *ff* *p* *ff*

146 Fl. 1,2 *mf* *f* *ff* *p* *ff*

146 Ob. 1,2 *ff* *p* *ff*

146 E. Hn.

146 Eb Cl. *mf* *f* *ff* *p* *ff*

146 Bb Cl. 1 *mf* *f* *ff* *p*

146 Bb Cl. 2,3 *ff*

146 A. Cl.

146 B. Cl. *mf* *ff* *p*

146 Cb. Cl.

146 Bsn. 1,2 *mf* *f* *ff* *p* *ff*

146 C. Bn.

146 A. Sx. 1,2 *ff* *p* *ff*

146 T. Sx.

146 B. Sx.

146 Bb Tpt. 1,2 *f* *ff* *ff* *Open* *p* *ff* *p*

146 Bb Tpt. 3,4 *ff* *ff* *Open* *p* *ff* *p*

146 Hn. 1,2 *f* *ff* *ff* *Open* *p* *ff* *p*

146 Hn. 3,4 *f* *ff* *ff* *Open* *p* *ff* *p*

146 Tbn. 1,2 *f* *ff* *ff* *Open* *p* *ff* *p*

146 B. Tbn. *ff* *ff* *Open* *p* *ff* *p*

146 Euph.

146 Tuba *ff* *ff* *Open* *p* *ff* *p*

146 D. B.

146 Timp. *ff*

146 1 *f* *ff* *B.D.* *f* *S.D. (snare off)* *mf*

146 2 *B.D.* *ff* *Tam-tam* *f* *Crash Cymbals* *mf*

146 3

146 4

158

Picc. *p*

Fl. 1,2 *p*

Ob. 1,2

E. Hn.

E♭ Cl. *p*

B♭ Cl. 1 *p*

B♭ Cl. 2,3 *p*

A. Cl. *p*

B. Cl. *p*

Cb. Cl. *p*

Bsn. 1,2 *p*

C. Bn. *p*

A. Sx. 1,2 *p*

T. Sx. *p*

B. Sx. *p*

B♭ Tpt. 1,2

B♭ Tpt. 3,4 *p*

Hn. 1,2 *p*

Hn. 3,4 *p*

Tbn. 1,2 *p*

B. Tbn. *p*

Euph. *p*

Tuba *p*

D. B. *p*

Timp. *p*

1 *mp* S.D. (snare on) S.D. (snare off)

2 *mp* Tri. *p* B.D. *p*

3

4

This page of a musical score, numbered 173, covers measures 168 to 172. The instrumentation includes Piccolo, Flutes (1, 2), Oboes (1, 2), English Horn, Clarinets (E-flat, B-flat 1, B-flat 2, 3, A, B, C), Bassoons (1, 2), Saxophones (Alto, Tenor, Baritone), Trumpets (B-flat 1, 2, B-flat 3, 4), Horns (1, 2, 3, 4), Trombones (1, 2), Euphonium, Tuba, Double Bass, and Timpani. The score features various dynamics such as *p* (piano) and *mf* (mezzo-forte), and includes performance markings like *a2* and *a3*. The woodwinds and strings play melodic lines, while the brass instruments provide harmonic support. The timpani part is marked with measure 168.

177

Picc. *p*

Fl. 1,2 *p*

Ob. 1,2

E. Hn.

E♭ Cl.

B♭ Cl. 1 *p*

B♭ Cl. 2,3

A. Cl.

B. Cl. *p*

Cb. Cl. *p*

Bsn. 1,2 *p* a2

C. Bn. *p*

A. Sx. 1,2

T. Sx.

B. Sx.

B♭ Tpt. 1,2 *p* a2

B♭ Tpt. 3,4 *p* a2

Hn. 1,2 *f* *p*

Hn. 3,4 *f* *p*

Tbn. 1,2 *p*

B. Tbn.

Euph.

Tuba

D. B.

177

Timp.

1

2 *p*

3

4

187

Picc.

Fl. 1,2

Ob. 1,2

E. Hn.

E♭ Cl.

B♭ Cl. 1

B♭ Cl. 2,3

A. Cl.

B. Cl.

Cb. Cl.

Bsn. 1,2

C. Bn.

A. Sx. 1,2

T. Sx.

B. Sx.

187

B♭ Tpt. 1,2

B♭ Tpt. 3,4

Hn. 1,2

Hn. 3,4

Tbn. 1,2

B. Tbn.

Euph.

Tuba

187

D. B.

187

Timp.

187

1

2

3

4

pp

p

f

p

a2

p

f

p

p