

Memes and Genes
Knowledge is Life

Thurston Matthews

Violin $\text{♩} = 70$ *mp* *rit.*

Viola *rit.*

Cello *rit.*

Contrabass *rit.*

Trombone *rit.*

Tuba *rit.*

Clarinet *rit.*

Oboe *rit.*

Flute A *rit.*

Flute B *rit.*

Marimba *rit.*

A $\text{♩} = 65$ *mp*

Vio

Tba

B

Vio

Tba

11

Vio

Tba

15 *rit.* $\text{♩} = 50$ $\text{♩} = 65$ *mp*

Vio

Tbn

Tba

18

Vio

Tbn

Tba

D *mf*

Vio

Tbn

Tba

24

Vio

Tbn

Tba

E *mp* *f* *mp*

Vio

Bas

Tbn

Tba

30

Vio

Bas

Tbn

Tba

2
33
F
Vio
Bas
Tbn
Tba

36
Vio
Bas
Tbn
Tba

39
Vio
Bas
Tbn
Tba

G

42
Vio
Bas
Tbn
Tba

45
Vio
Bas
Tbn
Tba

rit...

48
Vio
Vla
Cel
Bas
Tbn
Tba
Cla
Obe
Flt
Flt
Mar

rit... $\text{♩} = 50$ $\text{♩} = 50$

H

51
Vla
Cel
Bas
Tbn
Tba
Cla
Obe
Flt
Flt
Mar

53

53

Vla

Cel

Bas

Tbn

Tba

Cla

Obe

Flt

Flt

Mar

This system contains measures 53, 54, and 55. The music is in 3/4 time with a key signature of two flats. The woodwinds (Flutes, Oboe, Clarinet) and strings (Violins, Cellos, Basses) play rhythmic patterns, while the brass (Trumpets, Trombones, Tubas) provides harmonic support. The percussion (Maracas) has a steady accompaniment.

56

56

Vla

Cel

Bas

Tbn

Tba

Cla

Obe

Flt

Flt

Mar

This system contains measures 56, 57, and 58. The musical texture continues with similar rhythmic motifs across the instruments, maintaining the overall harmonic and rhythmic structure.

59

59

Vla

Cel

Bas

Tbn

Tba

Cla

Obe

Flt

Flt

Mar

This system contains measures 59, 60, and 61. The music shows some dynamic changes and rhythmic variations, particularly in the woodwind and string parts.

62

62

Vla

Cel

Bas

Tbn

Tba

Cla

Obe

Flt

Flt

Mar

This system contains measures 62, 63, and 64. The music concludes with a final cadence, featuring sustained notes in the strings and woodwinds, and a rhythmic flourish in the percussion.

65

Vio
Vla
Cel
Bas
Tbn
Tba
Cla
Obe
Flt
Flt
Mar

mp
pp
pp
pp
pp
pp
pp
pp
pp
pp
pp

68

Vio
Vla
Cel
Bas
Tbn
Tba
Cla
Obe
Flt
Flt
Mar

pp

70

Vio
Vla
Cel
Bas
Tbn
Tba
Cla
Obe
Flt
Flt
Mar

72

Violin (Vio), Viola (Vla), Cello (Cel), Bass (Bas), Trumpet (Tbn), Trombone (Tba), Clarinet (Cla), Oboe (Obe), Flute (Flt), Flute (Flt), Maracas (Mar)

Measures 72-73. The score is in 2/4 time with a key signature of three sharps (F#, C#, G#). The first system shows the beginning of the piece with various instruments playing rhythmic patterns. The second system continues these patterns.

74

K

Violin (Vio), Viola (Vla), Cello (Cel), Bass (Bas), Trumpet (Tbn), Trombone (Tba), Clarinet (Cla), Oboe (Obe), Flute (Flt), Flute (Flt), Maracas (Mar)

Measures 74-75. Measure 74 continues the previous patterns. Measure 75 features a key change to two sharps (F#, C#) and a time signature change to 6/8. A dynamic marking of *pp* (pianissimo) is present. The instruments play more complex rhythmic and melodic lines.

76

Violin (Vio), Viola (Vla), Cello (Cel), Bass (Bas), Trumpet (Tbn), Trombone (Tba), Clarinet (Cla), Oboe (Obe), Flute (Flt), Flute (Flt), Maracas (Mar)

Measures 76-77. Measure 76 continues the 6/8 time signature. Measure 77 features a key change to one sharp (F#) and a time signature change to 4/4. The instruments play complex rhythmic and melodic lines.

6
78

Violin (Vio), Viola (Vla), Cello (Cel), Bass (Bas), Trombone (Tbn), Tuba (Tba), Clarinet (Cla), Oboe (Obe), Flute (Flt), Flute (Flt), Maracas (Mar)

This system contains measures 78 and 79. The music is in 2/4 time with a key signature of two sharps (F# and C#). Measures 78-79 feature a complex rhythmic pattern with many sixteenth and thirty-second notes. The strings play a steady eighth-note accompaniment. The woodwinds and brass have various melodic and rhythmic parts.

80

Violin (Vio), Viola (Vla), Cello (Cel), Bass (Bas), Trombone (Tbn), Tuba (Tba), Clarinet (Cla), Oboe (Obe), Flute (Flt), Flute (Flt), Maracas (Mar)

This system contains measures 80 and 81. The music continues with the same key signature and time signature. Measures 80-81 show a continuation of the rhythmic complexity, with some instruments playing more active melodic lines while others provide harmonic support.

82

L

Violin (Vio), Viola (Vla), Cello (Cel), Bass (Bas), Trombone (Tbn), Tuba (Tba), Clarinet (Cla), Oboe (Obe), Flute (Flt), Flute (Flt), Maracas (Mar)

This system contains measures 82 and 83. A dynamic marking of **L** (Largo) is present at the beginning of measure 82. The tempo and mood change significantly, with the music becoming much slower and more spacious. The rhythmic patterns are simplified, and the overall texture is more open.

84

Vio
Vla
Cel
Bas
Tbn
Tba
Cla
Obe
Flt
Flt
Mar

87

Vio
Vla
Cel
Bas
Tbn
Tba
Cla
Obe
Flt
Flt
Mar

90

M

Vio
Vla
Cel
Bas
Tbn
Tba
Cla
Obe
Flt
Flt
Mar

8
93

Vio
Vla
Cel
Bas
Tbn
Tba
Cla
Obe
Flt
Flt
Mar

This system contains measures 83 through 92. It features a full orchestral score with 12 staves. The instruments are Violin, Viola, Cello, Bass, Trombone, Tuba, Clarinet, Oboe, Flute, Flute, and Maracas. The music is in a minor key and a 4/4 time signature. The first staff (Violin) has a melodic line with many slurs. The other instruments provide rhythmic and harmonic support.

95

Vio
Vla
Cel
Bas
Tbn
Tba
Cla
Obe
Flt
Flt
Mar

This system contains measures 93 through 102. The instrumentation remains the same as the previous system. At measure 95, the time signature changes to 6/4. The music continues with complex rhythmic patterns and melodic lines across all instruments.

97

Vio
Vla
Cel
Bas
Tbn
Tba
Cla
Obe
Flt
Flt
Mar

This system contains measures 103 through 112. The instrumentation remains the same. The music continues with complex rhythmic patterns and melodic lines across all instruments, maintaining the 6/4 time signature.

99

Vio
Vla
Cel
Bas
Tbn
Tba
Cla
Obe
Flt
Flt
Mar

N

p

102

Vio
Vla
Cel
Bas
Tbn
Tba
Cla
Obe
Flt
Flt
Mar

104

Vio
Vla
Cel
Bas
Tbn
Tba
Cla
Obe
Flt
Flt
Mar

10
106

Vio
Vla
Cel
Bas
Tbn
Tba
Cla
Obe
Flt
Flt
Mar

This system contains measures 106 and 107. The score is for a full orchestra. Measures 106-107 feature a complex rhythmic pattern with many sixteenth notes. The woodwinds (Flute, Oboe, Clarinet) and strings (Violin, Viola, Cello, Bass) play intricate patterns, while the brass (Trumpet, Trombone, Tuba) provides a steady accompaniment. The percussion (Maracas) has a consistent rhythmic accompaniment.

108

Vio
Vla
Cel
Bas
Tbn
Tba
Cla
Obe
Flt
Flt
Mar

O

This system contains measures 108 and 109. Measure 108 is marked with a forte (**f**) dynamic. Measure 109 is marked with a mezzo-piano (*mp*) dynamic. The score continues with complex rhythmic patterns. The woodwinds and strings play intricate patterns, while the brass provides a steady accompaniment. The percussion (Maracas) has a consistent rhythmic accompaniment.

110

Vio
Vla
Cel
Bas
Tbn
Tba
Cla
Obe
Flt
Flt
Mar

This system contains measures 110 and 111. The score continues with complex rhythmic patterns. The woodwinds and strings play intricate patterns, while the brass provides a steady accompaniment. The percussion (Maracas) has a consistent rhythmic accompaniment.

112

Violin (Vio), Viola (Vla), Cello (Cel), Bass (Bas), Trumpet (Tbn), Trombone (Tba), Clarinet (Cla), Oboe (Obe), Flute (Flt), Flute (Flt), Maracas (Mar)

This system contains measures 112 and 113. The music is in 6/8 time with a key signature of one sharp (F#). Measures 112-113 feature a complex rhythmic texture with many sixteenth and thirty-second notes. The strings play a steady eighth-note accompaniment. The woodwinds and brass have various melodic and rhythmic parts, including some sixteenth-note passages.

114

Violin (Vio), Viola (Vla), Cello (Cel), Bass (Bas), Trumpet (Tbn), Trombone (Tba), Clarinet (Cla), Oboe (Obe), Flute (Flt), Flute (Flt), Maracas (Mar)

This system contains measures 114 and 115. The music continues in 6/8 time with a key signature of one sharp. Measures 114-115 show a continuation of the rhythmic complexity from the previous system, with dense sixteenth-note patterns in the strings and woodwinds. The brass parts are more melodic, with some sustained notes.

116

P

Violin (Vio), Viola (Vla), Cello (Cel), Bass (Bas), Trumpet (Tbn), Trombone (Tba), Clarinet (Cla), Oboe (Obe), Flute (Flt), Flute (Flt), Maracas (Mar)

This system contains measures 116 and 117. The music is in 6/8 time with a key signature of one sharp. A dynamic marking of **P** (piano) is placed above the first measure of the system. Measures 116-117 feature a continuation of the rhythmic texture, with a focus on sixteenth-note patterns in the strings and woodwinds. The brass parts are more melodic, with some sustained notes.

118

Violin (Vio), Viola (Vla), Cello (Cel), Bass (Bas), Trombone (Tbn), Tuba (Tba), Clarinet (Cla), Oboe (Obe), Flute (Flt), Flute (Flt), Maracas (Mar)

This system contains measures 118 and 119. The music is in 2/4 time with a key signature of one sharp (F#). The Violin part features a complex, rhythmic melody with many sixteenth notes. The other instruments provide harmonic support with various rhythmic patterns.

120

Violin (Vio), Viola (Vla), Cello (Cel), Bass (Bas), Trombone (Tbn), Tuba (Tba), Clarinet (Cla), Oboe (Obe), Flute (Flt), Flute (Flt), Maracas (Mar)

This system contains measures 120 and 121. The music continues in 2/4 time with a key signature of one sharp. The Violin part has a more melodic line compared to the previous system, while the other instruments maintain their rhythmic accompaniment.

122

Violin (Vio), Viola (Vla), Cello (Cel), Bass (Bas), Trombone (Tbn), Tuba (Tba), Clarinet (Cla), Oboe (Obe), Flute (Flt), Flute (Flt), Maracas (Mar)

This system contains measures 122 and 123. At the beginning of measure 122, there is a tempo change to *Allegro* (indicated by a 'Q' symbol) and a key signature change to three sharps (F#, C#, G#). The time signature changes to 6/8. The music becomes more rhythmic and driving in this section.

124

Vio
Vla
Cel
Bas
Tbn
Tba
Cla
Obe
Flt
Flt
Mar

This system contains measures 124 and 125. It features a full orchestral score with parts for Violin, Viola, Cello, Bass, Trombone, Trumpet, Clarinet, Oboe, Flute, and Maracas. The music is in a key with three sharps (F#, C#, G#) and a 6/8 time signature. Measures 124 and 125 show a dense texture of rhythmic patterns, primarily eighth and sixteenth notes, with some rests in the woodwinds.

126

Vio
Vla
Cel
Bas
Tbn
Tba
Cla
Obe
Flt
Flt
Mar

This system contains measures 126 and 127. The orchestral texture continues with similar rhythmic intensity. The woodwinds (Flute, Clarinet, Oboe) have more active parts in measure 127, while the strings maintain a steady rhythmic accompaniment. The maracas part remains consistent with a steady eighth-note pattern.

128

R

Vio
Vla
Cel
Bas
Tbn
Tba
Cla
Obe
Flt
Flt
Mar

This system contains measures 128 and 129. A rehearsal mark 'R' is placed above measure 128. The key signature changes to two sharps (F#, C#) and the time signature changes to 6/4. The dynamic marking *mf* (mezzo-forte) is indicated at the beginning of measure 128 for all instruments. The music in measure 129 features a more complex rhythmic structure with some sixteenth-note runs in the strings and woodwinds.

14

130

Vio

Vla

Cel

Bas

Tbn

Tba

Cla

Obe

Flt

Flt

Mar

132

Vio

Vla

Cel

Bas

Tbn

Tba

Cla

Obe

Flt

Flt

Mar

134

Vio

Vla

Cel

Bas

Tbn

Tba

Cla

Obe

Flt

Flt

Mar

136

Vio
Vla
Cel
Bas
Tbn
Tba
Cla
Obe
Flt
Flt
Mar

This system contains measures 136 and 137. It features a full orchestral score with parts for Violin, Viola, Cello, Bass, Trombone, Tuba, Clarinet, Oboe, Flute, and Maracas. The music is in a key with one sharp (F#) and a 2/4 time signature. Measures 136-137 show a complex rhythmic texture with many sixteenth notes and eighth notes across all instruments.

138

Vio
Vla
Cel
Bas
Tbn
Tba
Cla
Obe
Flt
Flt
Mar

This system contains measures 138 and 139. It continues the orchestral score. Measures 138-139 show a continuation of the rhythmic complexity, with many sixteenth notes and eighth notes. The word "accel." is written above the staff lines in measures 138 and 139, indicating an acceleration of the tempo.

140

Vio
Vla
Cel
Bas
Tbn
Tba
Cla
Obe
Flt
Flt
Mar

S $\text{♩} = 60$

This system contains measures 140 and 141. It continues the orchestral score. Measures 140-141 show a continuation of the rhythmic complexity, with many sixteenth notes and eighth notes. The word "accel." is written above the staff lines in measures 140 and 141, indicating an acceleration of the tempo. A section marker "S" is placed above the first measure of the second system, followed by a tempo marking of a quarter note equal to 60 (♩ = 60). The time signature changes to 6/4 in the second measure of the second system.

16
142

Vio
Vla
Cel
Bas
Tbn
Tba
Cla
Obe
Flt
Flt
Mar

This system of musical notation covers measures 142 to 163. It features 12 staves for various instruments: Violin, Viola, Cello, Bass, Trombone, Tuba, Clarinet, Oboe, Flute, Flute, and Maracas. The music is written in a key with one sharp (F#) and a common time signature. The notation includes complex rhythmic patterns with many sixteenth and thirty-second notes, often beamed together. Dynamic markings such as accents (>) and hairpins (>) are used throughout. The Maracas part is written in a simplified style with rhythmic pulses.

144

Vio
Vla
Cel
Bas
Tbn
Tba
Cla
Obe
Flt
Flt
Mar

This system of musical notation covers measures 144 to 165. It features 12 staves for various instruments: Violin, Viola, Cello, Bass, Trombone, Tuba, Clarinet, Oboe, Flute, Flute, and Maracas. The music is written in a key with one sharp (F#) and a common time signature. The notation includes complex rhythmic patterns with many sixteenth and thirty-second notes, often beamed together. Dynamic markings such as accents (>) and hairpins (>) are used throughout. The Maracas part is written in a simplified style with rhythmic pulses.

146

Vio
Vla
Cel
Bas
Tbn
Tba
Cla
Obe
Flt
Flt
Mar

This system of musical notation covers measures 146 to 167. It features 12 staves for various instruments: Violin, Viola, Cello, Bass, Trombone, Tuba, Clarinet, Oboe, Flute, Flute, and Maracas. The music is written in a key with one sharp (F#) and a common time signature. The notation includes complex rhythmic patterns with many sixteenth and thirty-second notes, often beamed together. Dynamic markings such as accents (>) and hairpins (>) are used throughout. The Maracas part is written in a simplified style with rhythmic pulses.

148

Vio
Vla
Cel
Bas
Tbn
Tba
Cla
Obe
Flt
Flt
Mar

150

T

rit. $\text{♩} = 40$

Vio
Vla
Cel
Bas
Tbn
Tba
Cla
Obe
Flt
Flt
Mar

152

rit. $\text{♩} = 30$ $\text{♩} = 50$

Vio
Vla
Cel
Bas
Tbn
Tba
Cla
Obe
Flt
Flt
Mar