

155 *8va*

Pno.

Vln. I

Vln. II

Vla.

Vc.

(8)

Detailed description: This page of a musical score contains five staves for measures 155 and 156. The Piano part (Pno.) is written in treble and bass clefs, with a *8va* marking above the treble staff and a circled 8 below the bass staff. The Violin I (Vln. I) and Violin II (Vln. II) parts are in treble clef, with Vln. I featuring a melodic line with slurs and Vln. II playing a rhythmic accompaniment. The Viola (Vla.) part is in alto clef, and the Violoncello (Vc.) part is in bass clef. Both the Viola and Violoncello parts play a steady accompaniment of chords. The score concludes with a double bar line and a repeat sign in the final measure of each staff.

Movement II: World War II Begins

(8)¹
157 **Grave**

Pno. *fff* 8^{vb} Depress keys with length of arm from hand to elbow

Ped. *fff* 8^{vb}

Vla. **Grave**
Con sordina
mp

Vc. Con sordina
mp Microtonal glissando sul IV

molto accel.

161

Vla. *crescendo* more and more bow pressure (scratch tone)

Vc. *crescendo* more and more bow pressure (scratch tone)

♩ = 50
Grave
166

Pno.

8^{vb}
Depress keys with length of arm from hand to elbow

mp

3
Tap on wood of piano lid with fingernails

una corda
Ped.

Tap on wood of piano vertically beneath keyboard with fingernails

Vln. I

Vln. II

mp

3
tap chinrest with frog of the bow

tap chinrest with frog of the bow

Vla.

(Scratch tone)

fff *p* *niente*

mp

3
tap chinrest with frog of the bow

Vc.

(Scratch tone)

fff *p* *niente*

senza sordina

Detailed description: This page contains musical notation for five instruments: Piano (Pno.), Violin I (Vln. I), Violin II (Vln. II), Viola (Vla.), and Violoncello (Vc.). The tempo is marked as Grave with a quarter note equal to 50 beats. The piano part features two staves with 8^{vb} dynamics and instructions for arm length and fingernail tapping. The violin parts include a triplet of eighth notes with a *mp* dynamic and instructions to tap the chinrest with the bow's frog. The viola and cello parts feature a 'Scratch tone' with a dynamic range from *fff* to *p* to *niente*, and a triplet of eighth notes with a *mp* dynamic and chinrest tapping instruction. The cello part also includes the instruction 'senza sordina'.

Movement III: Einstein Warns the US about the Atomic Bomb

173 **Andante**

Pno. *mp* Improv. a piacere on following chords:

mp Ped. a piacere

Ped.

Andante

Vln. I

Vln. II

Vla.

Rubato, a piacere

mp

(Sing) *mmmm*

~~Violins~~

Detailed description of the musical score: The score is for Movement III, 'Einstein Warns the US about the Atomic Bomb', starting at measure 173. The tempo is 'Andante'. The piano part (Pno.) is marked 'mp' and includes the instruction 'Improv. a piacere on following chords:'. It features a series of chords in the right hand and a bass line in the left hand with a 'Ped. a piacere' instruction. The string parts (Vln. I, Vln. II, Vla.) are mostly rests, with a 'niente' dynamic marking. The cello part (Vc.) is marked 'mp' and includes a 'Rubato, a piacere' section. It features a melodic line with a 'Sing' instruction and 'mmmm' sound effects. There is a crossed-out section for 'Violins'.

180

Pno.

Vln. I

Speaking voice

mm - hmm. mm - hmm.
(As if not really listening)

(Bow strings behind bridge)

poco a poco
descrescendo

ppp

Vln. II

Speaking voice

mm - hmm. mm - hmm.
(As if not convinced)

poco a poco descrescendo

ppp

Vla.

pp

Vc.

(Sing)

mmmm

186

Pno.

Vln. I

speaking voice *a niente*

Vln. II

speaking voice *a niente*

Vla.

Vc.

Movement IV: Hiroshima, Nagasaki

193 **Grave**

Pno.

Vln. I **Grave**
pp crescendo
Tune down to C3 over 3 bars using tuning peg

Vln. II
pp crescendo
Tune down to C3 over 3 bars using tuning peg

Vla. *morendo niente*
Tune down to C3 over 3 bars using tuning peg
p crescendo

Vc. *C4 morendo niente*
p crescendo

196

Pno.

Vln. I *scratch*
f
Tune upward with tuning peg

Vln. II *scratch*
f
With tuning peg
scratch

Vla. *scratch*
f

Vc. *scratch*
*f**
f

*Bow pressure: increase bow pressure from normale un poco sul tasto to scratch tone, then decrease to normale un poco sul tasto. This should be done in same four-beat rhythm by all players (beats 1.0-2.9 increasing pressure, beats 3.0-4.9 decreasing pressure)

The score consists of five staves. The Pno. part has a bass clef and a treble clef. The Vln. I and Vln. II parts have treble clefs. The Vla. part has an alto clef. The Vc. part has a bass clef. The Pno. part includes a 'Ped.' marking and a '15^{mb}' marking. The Vln. I and Vln. II parts include a '(8)' marking. The Vla. part includes a 'subito fffsfz' marking. The Vc. part includes a 'subito fffsfz' marking. The score includes various dynamic markings such as *ff*, *fff*, and *fff sfz*. There are also performance instructions like 'Draw metal beater rapidly over strings!' and 'scratch'.

Draw metal beater rapidly over strings!

scratch

subito fffsfz

ff

subito fffsfz

ff

subito fffsfz

ff

subito fffsfz

ff

High-pitch inhale scream (see youtube video <http://www.youtube.com/watch?v=HyhzaLpdFxE> at 2'52" - 2'59" for desired sound and rest of video for explanation of how to produce; however, hold the pitch for as long as possible and for duration of 5 bars, breathing quickly where necessary)

8-10 Seconds

209

Pno.
pp mmmm (sing)

Vln. I
(sing) pp mmmm
Flagellato glissando
gliss.
Retune to G4 while flagellato is ringing
8^{vb}

Vln. II
(sing) pp mmmm
Retune to G4 while flagellato is ringing
Flagellato glissando
gliss.

Vla.
(sing) pp mmmm
Flagellato glissando
gliss.

Vc.
pp mmmm (sing)
Flagellato glissando
gliss.

Detailed description: The score is for five instruments: Piano, Violin I, Violin II, Viola, and Violoncello. A bracket on the left groups them. The Piano part starts at measure 209 with a piano (pp) dynamic and a 'sing' instruction. A horizontal arrow above the piano staff indicates an 8-10 second duration. The Violin I and II parts have a 'sing' instruction and a piano (pp) dynamic. They both feature a 'Flagellato glissando' section, which is a rapid slide between notes. The Violin I part includes a 'Retune to G4 while flagellato is ringing' instruction and a 'gliss.' marking. The Violin II part also includes a 'Retune to G4 while flagellato is ringing' instruction and a 'gliss.' marking. The Viola part has a 'sing' instruction and a piano (pp) dynamic, with a 'Flagellato glissando' section and a 'gliss.' marking. The Violoncello part has a piano (pp) dynamic and a 'sing' instruction, with a 'Flagellato glissando' section and a 'gliss.' marking. Dashed lines and arrows indicate the continuation of the music beyond the 8-10 second mark.