

# **Windmills!**

for viola quartet, or multiple violas

by

**Garth Knox (2018)**

Commissioned by and dedicated to

**The American Viola Society**

**Scordatura:**

**Viola 1 tunes A string down to A flat**

**Viola 4 tunes C string down to B flat**

**Score is in C**

Scordatura:  
Viola 1 tunes A string down to A flat  
Viola 4 tunes C string down to B flat  
Score is in C

# Windmills!

Garth Knox  
(2018)

The musical score is for a piece titled "Windmills!" by Garth Knox (2018). It is written for four violas (Viola 1, 2, 3, and 4) in a 4/4 time signature with a tempo of quarter note = 96. The key signature has one flat (B-flat). The score is divided into three sections: Section A (measures 1-6), Section B (measures 7-12), and Section C (measures 13-18).  
Section A (measures 1-6):  
- Measure 1: Viola 1 has a whole rest, Viola 2 and 3 have a half rest, and Viola 4 has a half note G2. All are marked *p*.  
- Measure 2: Viola 1 has a half note G2, Viola 2 and 3 have a half note G2, and Viola 4 has a half note G2. All are marked *p*.  
- Measure 3: Viola 1 has a half note G2, Viola 2 and 3 have a half note G2, and Viola 4 has a half note G2. All are marked *p*.  
- Measure 4: Viola 1 has a half note G2, Viola 2 and 3 have a half note G2, and Viola 4 has a half note G2. All are marked *p*.  
- Measure 5: Viola 1 has a half note G2, Viola 2 and 3 have a half note G2, and Viola 4 has a half note G2. All are marked *p*.  
- Measure 6: Viola 1 has a half note G2, Viola 2 and 3 have a half note G2, and Viola 4 has a half note G2. All are marked *p*.  
Section B (measures 7-12):  
- Measure 7: Viola 1 has a half note G2, Viola 2 and 3 have a half note G2, and Viola 4 has a half note G2. All are marked *p*.  
- Measure 8: Viola 1 has a half note G2, Viola 2 and 3 have a half note G2, and Viola 4 has a half note G2. All are marked *p*.  
- Measure 9: Viola 1 has a half note G2, Viola 2 and 3 have a half note G2, and Viola 4 has a half note G2. All are marked *p*.  
- Measure 10: Viola 1 has a half note G2, Viola 2 and 3 have a half note G2, and Viola 4 has a half note G2. All are marked *p*.  
- Measure 11: Viola 1 has a half note G2, Viola 2 and 3 have a half note G2, and Viola 4 has a half note G2. All are marked *p*.  
- Measure 12: Viola 1 has a half note G2, Viola 2 and 3 have a half note G2, and Viola 4 has a half note G2. All are marked *p*.  
Section C (measures 13-18):  
- Measure 13: Viola 1 has a half note G2, Viola 2 and 3 have a half note G2, and Viola 4 has a half note G2. All are marked *p*.  
- Measure 14: Viola 1 has a half note G2, Viola 2 and 3 have a half note G2, and Viola 4 has a half note G2. All are marked *p*.  
- Measure 15: Viola 1 has a half note G2, Viola 2 and 3 have a half note G2, and Viola 4 has a half note G2. All are marked *p*.  
- Measure 16: Viola 1 has a half note G2, Viola 2 and 3 have a half note G2, and Viola 4 has a half note G2. All are marked *p*.  
- Measure 17: Viola 1 has a half note G2, Viola 2 and 3 have a half note G2, and Viola 4 has a half note G2. All are marked *p*.  
- Measure 18: Viola 1 has a half note G2, Viola 2 and 3 have a half note G2, and Viola 4 has a half note G2. All are marked *p*.  
The score includes various performance instructions such as *pizz.* (pizzicato), *arco* (arco), *p* (piano), *mf* (mezzo-forte), and *f* (forte). There are also dynamic markings like *mf* and *f* in the lower staves. The score is marked with section letters A, B, and C in boxes. There are also some markings like "pizz. LH" and "A arco" in the first staff.

21

Musical score for measures 21-23. The score is written for four staves. The top staff (treble clef) features a complex melodic line with sixteenth-note runs and slurs, marked with a *mf* dynamic. The second staff (bass clef) provides a harmonic accompaniment with chords and sixteenth-note patterns, marked with a *f* dynamic. The third staff (treble clef) has a melodic line with slurs and rests, marked with a *f* dynamic. The bottom staff (bass clef) contains a bass line with triplets and slurs, marked with a *f* dynamic. Measure numbers 21, 22, and 23 are indicated at the beginning of their respective staves.

24

Musical score for measures 24-27. The score is written for four staves. The top staff (treble clef) continues the melodic line with sixteenth-note runs and slurs, marked with a *f* dynamic. The second staff (bass clef) provides a harmonic accompaniment with chords and sixteenth-note patterns, marked with a *f* dynamic. The third staff (treble clef) has a melodic line with slurs and rests, marked with a *f* dynamic. The bottom staff (bass clef) contains a bass line with slurs and rests, marked with a *f* dynamic. Measure numbers 24, 25, 26, and 27 are indicated at the beginning of their respective staves.

28

Musical score for measures 28-30. The score is written for four staves. The top staff (treble clef) continues the melodic line with sixteenth-note runs and slurs, marked with a *f* dynamic. The second staff (bass clef) provides a harmonic accompaniment with chords and sixteenth-note patterns, marked with a *f* dynamic. The third staff (treble clef) has a melodic line with slurs and rests, marked with a *f* dynamic. The bottom staff (bass clef) contains a bass line with slurs and rests, marked with a *f* dynamic. Measure numbers 28, 29, and 30 are indicated at the beginning of their respective staves.

D

31

Musical score for measures 31-36, marked with a section symbol 'D'. The score is written for four staves. The top staff (treble clef) features a melodic line with slurs and accents, marked with a *f* dynamic. The second staff (bass clef) provides a harmonic accompaniment with chords and sixteenth-note patterns, marked with a *f* dynamic. The third staff (treble clef) has a melodic line with slurs and rests, marked with a *f* dynamic. The bottom staff (bass clef) contains a bass line with slurs and rests, marked with a *f* dynamic. Measure numbers 31, 32, 33, 34, 35, and 36 are indicated at the beginning of their respective staves. The bottom staff includes the markings 'pizz.' and 'arco' alternating between measures.

37

mf  
fp  
mf  
p  
mf

Detailed description: This system covers measures 37 to 40. The top staff (treble clef) features a melodic line with triplets and accents, starting with a mezzo-forte (mf) dynamic and ending with a forte (f) dynamic. The middle staff (bass clef) provides a rhythmic accompaniment with chords and triplets, marked with fortissimo piano (fp) and mezzo-forte (mf). The bottom staff (bass clef) has a simple bass line with triplets, marked piano (p) and mezzo-forte (mf).

41

f  
mf  
f  
mf  
f

harmonics on IV  
arco  
pizz  
harmonics on IV

Detailed description: This system covers measures 41 to 45. The top staff (treble clef) has a melodic line with triplets and accents, marked forte (f) and mezzo-forte (mf). The middle staff (bass clef) features a complex accompaniment with chords and triplets, marked with fortissimo piano (fp) and mezzo-forte (mf). The bottom staff (bass clef) has a bass line with triplets, marked forte (f) and mezzo-forte (mf). Performance instructions include 'harmonics on IV', 'arco', and 'pizz'.

46

mf  
f  
mf  
p  
mf  
p  
pizz.  
arco  
harmonic gliss on C  
arco

rit. E=88

Detailed description: This system covers measures 46 to 53. The top staff (treble clef) has a melodic line with triplets and accents, marked mezzo-forte (mf) and forte (f). The middle staff (bass clef) features a complex accompaniment with chords and triplets, marked with fortissimo piano (fp) and mezzo-forte (mf). The bottom staff (bass clef) has a bass line with triplets, marked forte (f) and mezzo-forte (mf). Performance instructions include 'rit.', 'E=88', 'harmonic gliss on G', 'pizz.', 'arco', and 'harmonic gliss on C'.

54

harmonic gliss on G  
II  
III  
sul pont.  
fp  
mp

Detailed description: This system covers measures 54 to 61. The top staff (treble clef) has a melodic line with triplets and accents, marked fortissimo piano (fp) and mezzo-piano (mp). The middle staff (bass clef) features a complex accompaniment with chords and triplets, marked with fortissimo piano (fp) and mezzo-piano (mp). The bottom staff (bass clef) has a bass line with triplets, marked fortissimo piano (fp) and mezzo-piano (mp). Performance instructions include 'harmonic gliss on G', 'II', 'III', 'sul pont.', and a double bar line with a wavy line below.

63

Musical score for measures 63-66. The system consists of four staves. The top two staves are in bass clef, and the bottom two are in treble clef. Measure 63 starts with a triplet of eighth notes in the top staff. The music features complex rhythmic patterns with many beamed notes and slurs. A 'V' marking is present in the second staff at measure 64. The bottom staff includes fingering numbers like 'III' and 'II'.

67

Musical score for measures 67-71. The system consists of four staves. Measure 67 begins with a triplet of eighth notes in the top staff. The music continues with intricate rhythmic figures. Dynamic markings include *p* (piano) and *pp* (pianissimo). A 'harmonic gliss on A' is indicated in the third staff at measure 70. Fingering numbers like 'III:3°' and 'IV:3°' are used in the bottom staff. A '0' is also present in the bottom staff at measure 70.

72

Musical score for measures 72-78. The system consists of four staves. Measure 72 starts with a triplet of eighth notes in the top staff. The music features a variety of dynamics, including *pp* and *mf*. Fingering numbers like 'III:3°' and 'IV:3°' are used in the bottom staff. A '0' is present in the bottom staff at measure 75.

79

G

Musical score for measures 79-83. The system consists of four staves. Measure 79 starts with a triplet of eighth notes in the top staff. The music features a variety of dynamics, including *p* and *pp*. The instruction 'sul tasto' is written above the top staff in measures 79, 80, 81, and 82. Fingering numbers like 'III:3°' and 'IV:3°' are used in the bottom staff.

85

arco

90

*rubato*

*moving to sul ponticello*

pizz.

*p*

96

behind bridge

Windmills start

**H**

*p* = 60

**I**

pizz.

*p*

bow on ribs (C string side)

x = damped strings

*pp*

*p*

*p*

pizz.

*p*

110

**J**

bow on ribs (A string side)

*p*

x = damped strings

pizz.

*p*

*p*

arco

bow on ribs (C string side)

*p*

122

circular bowing  
○○○○○○○○

ord  
on ribs

mp

pizz.

mf

ord  
on ribs

p

ord  
on ribs

p

mp

pizz.

mf

p

132

arco

cresc.

mf

circular bowing  
○○○○○○○○

mf

mf

mf

accel.

132

arco

cresc.

mf

141

sul D

cresc.

cresc.

cresc.

141

cresc.

circular bowing  
○○○○○○○○

147

sempre

○○○○

circular bowing  
○○○○○○○○ sempre

sempre

○○○○ sempre

147

150 **M**  $\text{♩} = 120$

*p* damped strings *p* *sempre*

156 **N**

*cresc.* *mf* circular bow *sempre* *mf*

161

165



169

6 6 6 6 6 6

3

171

O

*f*

stamp on floor!

stamp on floor!

*sfz*

stamp on floor! *pizz.*

*sfz* *f*

*molto rit.*

175

calm

*mf*

*p* calm

*p*

Viola 4 says "Señor, these are not giants, but windmills"

180

Viola 1 says "Ah..."

P

harmonics on II

harmonics on IV

harmonics on IV

*sfz* *mf* *f* *sfz* *sfz* *sfz*

185

*p*

*p*

*p*

circular bowing

circular bowing

circular bowing

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**Scordatura:**

**Viola 1 tunes A string down to A flat**

**Viola 4 tunes C string down to B flat**

**Score is in C**



23 *mf* *f* sul A

27

30 **D** *pizz.* *arco* *pizz.* *arco* *pizz.* *arco* *pizz.* *arco*

35 *mf* *fp* *mf* *p* sul A

40

40

*f* *mf* *f* *mf* *f*

harmonics on IV

arco

*f*

*mf* *f* *mf* *f*

40

*mf* *f* *mf* *f*

45

45

*f* *mf* *f* *mf* *f* *p*

rit.

88

harmonic gliss on G

pizz. arco

harmonics on IV

harmonics on IV

*f* *f* *mf* *f* *p*

*f* *f* *mf* *f* *p*

45

*f* *f* *mf* *f* *p*

51

51

*p* *pizz.* *arco* *fp* *fp* *mp*

harmonic gliss on C

harmonic gliss on C

harmonic gliss on G

harmonic gliss on C

harmonic gliss

51

*fp* *mp*

61

61

*ord.*

sempre sul pont.

61

*ord.*

66

sul pont. ord. sul pont. ord.

*p* *p* *p*

harmonic gliss on A *8<sup>va</sup>*

III:3° IV:3° III:3° IV:3°

71

*pp* *pp* *pp*

III:3° III:3° III:3° IV:3°

76

G sul tasto *mf* *p* *mf* *pp*

sul tasto sul tasto

84

arco

89 *rubato* 0 *moving to sul ponticello*

*p*

94 *behind the bridge* **H** ♩ = 60 Windmills start

*bow on ribs (C string side)*

*x = damped strings*

*pp* *p* *p*

*pp* *p* *p*

**I** *pizz.* *p* **J**

*x = damped strings*

*pizz.* *p*

*p* *p*

118 *bow on ribs (A string side)* *on ribs* *ord* *arco* *ord* *mp* *on ribs*

*bow on ribs (C string side)* *arco* *ord* *mp* *on ribs*

*circular bowing* *mp*

*p* *mp*

K

pizz. *mf* *ord* on ribs *ord* on ribs

arco *cresc.*

129 pizz. *mf* *p* arco *cresc.*

L

138 *mf* *acc.* circular bowing *mf* *sempre* *II* sul D *cresc.*

145 *sempre* circular bowing *sempre*

M

149 *p* *damped strings* *sempre* *p* *p* *p*



153

*sul asto*  
*cresc.*  
*p damped strings*  
*cresc.*

159

*sul A*  
*circular bow*  
*sempre*  
*mf*  
*mf*

163

163

167

167

170

stamp on floor! *f*  
stamp on floor! *sfz*  
stamp on floor! *sfz* pizz. *f*

173

*sul pont.*  
*mf*  
*calm*  
*p calm*  
*p*  
*rit. ord.*

179

*molto rit.*  
*sul pont.*  
Viola 1 says "Ah..."  
Viola 4 says "Señor, these are not giants, but windmills"  
harmonics on I  
harmonics on II  
harmonics on IV  
*sfz*  
*mf*  
*f*  
*sfz*  
*sfz*  
*sfz*  
*sfz*

185

*p*  
*p*  
*p*  
*p*  
circular bowing  
circular bowing  
circular bowing  
circular bowing

# Windmills!

Garth Knox  
(2018)

Tune A string down to A flat

♩ = 96

sounding pitches

fingered pitches

pizz. *p*

arco

pizz. LH *mf*

arco 1 2

6

II 3 2 II 2

B

1 2 3 2 4 2

*mf*

15

C

3 0 0 0 sul A

*f* *mf*

19

0 0 0 0 I

*f*

6 6

22

0 # #

*mf*

6 6

24

24

*f* sul A

27

27

29

29

**D**

31

36

36

sul A

*mf* *mf* *f*

42

42

47

47

55

55

61

61

65

65

69

69

72

72

*pp*

78

G

78

*mf*

sul tasto

*p*

83

83

87

87

90

90

*rubato*

93

H

93

moving to sul ponticello

behind the bridge

Windmills start

99 **I**

99 **7** pizz. *p*

113 **J** **2** **4** **2** bow on ribs (A string side) circular bowing *p*

126 **K** pizz. *mf* *p*

133 arco *cresc.* **L**

140 **L** *mf* *cresc.* sul D

146 *f*

146 *f*

M ♩ = 120

151

151

*p*

156

N

156

*cresc.*

*mf*

sul A

161

164

167

170

rit.



O

172 *f* *sul pont.*

176 *mf* *rit.* *ord.* *rit.*

179 *molto rit.* *sul pont.* Viola 1 says "Ah..."

P

182 *p* *3* *8va*

188 *3* *8va* *0 3* *3* *3* *circular bowing*

# Windmills!

Garth Knox  
(2018)

$\text{♩} = 96$  *pizz.* **A**

6 **B**

12

**C** *arco* *f* *mf*

21 *f* *mf*

25 *f*

**D**

29

33

37

*fp* *fp* *mf*

41 *sim.*

45

49 **E** ♩ = 88

*mf* *p* *pizz.* *arco* III II 0 harmonic gliss on G

56 **F**

*fp*

64

71

77 **G** *sul tasto*

84

**H** ♩ = 60

4 bow on ribs x = damped strings **I**

*pp* *p* *p*

109 **J**

*p*

118 on ribs ord **K**

*mp*

127 on ribs ord **K**

*p* *cresc.*

136 circular bowing **L** *sempre* *accel.*

*mf*

142 *sempre* *cresc.*

*cresc.*

146 *sempre*

150 **M** ♩ = 120 damped strings

*p*

155 *ord sul tasto*

*p cresc.*

159 *circular bow*

*mf*

163 *sempre*

*cresc.*

166 *sempre*

169 *sempre*

*cresc.*

171 *sempre*

*sfz* *calm* *p*

178 *harmonics on II*

*sfz* *sfz* *f* *p*

187 *circular bowing*

*p* *ff*

# Windmills!

♩ = 96

A

pizz.

*p*

6

B

pizz.

C

arco

*f*

*mf*

*f*

22

*mf*

*f*

D

29

pizz.

36

*mf*<sup>3</sup>

42

*f*

*mf*

*f*

arco

pizz.

arco harmonics sul D

2

47

pizz. 3

arco

rit.

**E** ♩ = 88

harmonic gliss on C  $\delta^{va}$

pizz. arco

II

*mf* *f* *p*

54

IV III II

harmonic gliss on D

harmonic gliss on A  $\delta^{va}$

**F**

*mp*

62

3

*p*

70

*pp*

78

**G**

sul tasto

*mf* *pp*

85

7

**H** ♩ = 60

bow on ribs  
(C string side)

**I**

2 2

*pp*

109

damped strings

**J**

pizz.

*p*

119

arco

ord  
on ribs

*mp*

128

**K**

ord  
on ribs

(damped  
strings)

*p*

*cresc.*

137

**L**

accel.

*mf*

143

*cresc.*

*p*

148

circular bowing

oooo

*p*

*p*

**M**

♩ = 120

oooo

oooo

*p*

3 3 3 3 3 3 3 3 3 3 3 3

*p*



156 damped strings N circular bow

*cresc.* *mf* *sempre*

161

*cresc.*

164

*f*

168

*f*

171 O stamp on floor!

*sfz*

173 calm

*p*

P

*sfz* *mf* *sfz* *p*

188 circular bowing

*p* *ff*

# Windmills!

Tune C string down to B flat

♩ = 96

**A**

sounding pitches

fingered pitches

pizz.

arco

*p*

6

arco

pizz.

arco

pizz.

arco

pizz.

arco

pizz.

*mf*

**B**

**C**

11

arco

*p*

*f*

18

18

*mf*

*f*

22

22

sul IV

*mf*

*f*

27 D

sul IV sul IV sul IV pizz. arco

32 arco arco

32 pizz. arco pizz. arco pizz. arco pizz. arco

37

37 harmonics on IV

III

*p* *mf* *f*

42

42 harmonics on IV

*mf* *f* *f*

47 E ♩ = 88

47 harmonics on IV II

harmonic gliss harmonic gliss on IV 8<sup>va</sup> 8<sup>va</sup>

*f* *p*

rit.

55 F

55 *8va* *sul A* *fp*

62 *III II*

67 *harmonic gliss on A* *8va* *0* *p*

72 *III III* *pp*

77 G *sul tasto* *arco*

77 *0* *sul tasto* *0* *IV III* *IV 0* *mf* *pp* *pp* *pp*

86 *0* *pizz.* *IV IV* *p*

Detailed description: This page of a guitar score contains measures 55 through 90. It features two staves: a bass staff (left) and a treble staff (right). The music is written in a key with one flat (B-flat major or D minor) and a 3/4 time signature. Measure 55 has a boxed 'F' above the bass staff. Measure 55 in the treble staff includes '8va' and 'sul A' markings. Measure 62 has 'III II' above the treble staff. Measure 67 has 'harmonic gliss on A', '8va', and '0' markings. Measure 72 has 'III III' above the treble staff. Measure 77 has a boxed 'G' above the bass staff and 'sul tasto' and 'arco' markings. Measure 77 in the treble staff has '0', 'sul tasto', '0', 'IV III', and 'IV 0' markings. Measure 86 has '0', 'pizz.', and 'IV IV' markings. Dynamics include *fp*, *p*, *pp*, and *mf*. There are also various articulation and performance instructions like *8va*, *sul A*, *sul tasto*, *arco*, and *pizz.*

94 H ♩ = 60 I

94 J

112 J

112 K

127 K

127 L


134 L

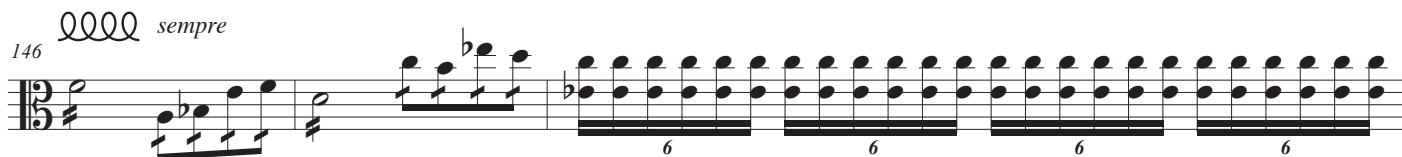
134

140 *mf* *accel.* circular bowing  *cresc.*




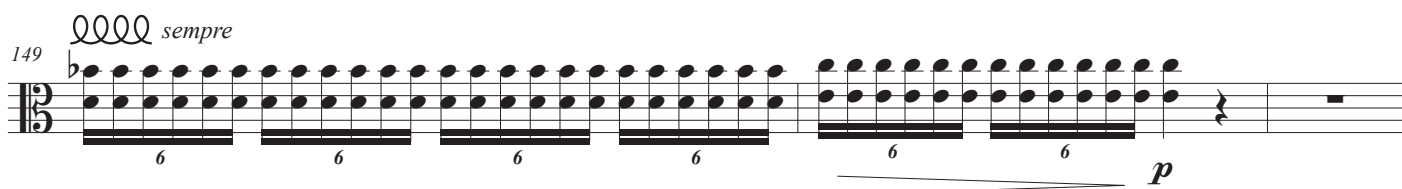
Musical notation for measures 140-145. The top staff shows a melodic line with an *mf* dynamic and an *accel.* marking. The bottom staff shows a bass line with *mf* dynamic and *cresc.* marking. Fingering numbers 0, 0, and III are indicated above the first three notes of the bass line. A circular bowing symbol is shown above the staff between measures 142 and 144.

146  *sempre* *p*



Musical notation for measures 146-151. The top staff features a melodic line with a *p* dynamic. The bottom staff features a bass line with sixteenth-note patterns, each marked with a '6' for fingering. A circular bowing symbol is present above the staff in measure 146.

149  *sempre* *p*



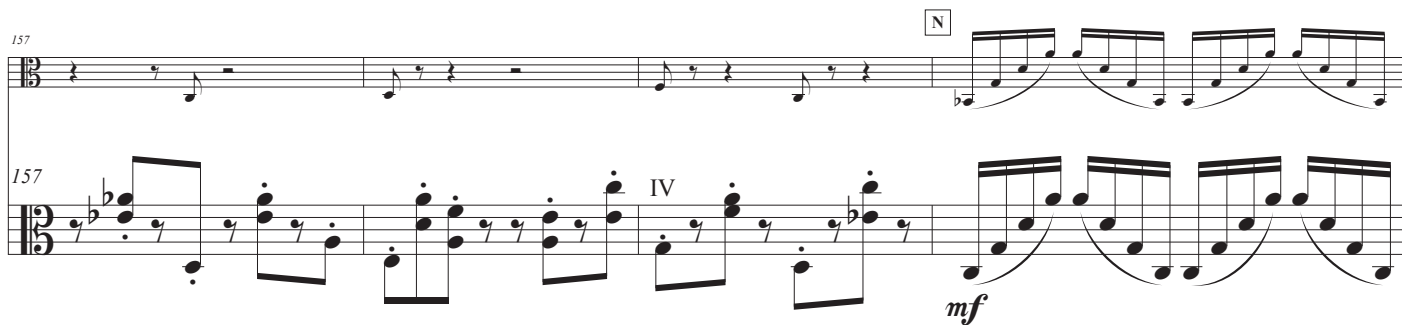
Musical notation for measures 149-156. The top staff features a melodic line with a *p* dynamic. The bottom staff features a bass line with sixteenth-note patterns, each marked with a '6' for fingering. A circular bowing symbol is present above the staff in measure 149.

[M]  $\text{♩} = 120$  *cresc.* *p* *cresc.* IV



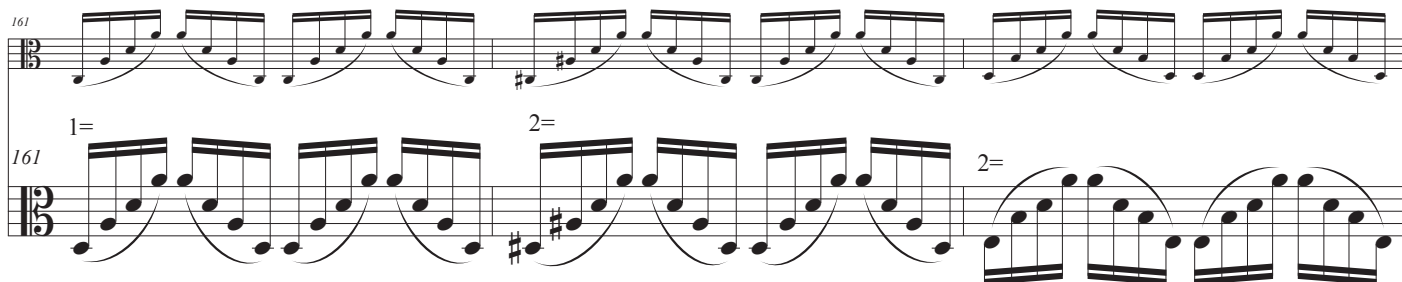
Musical notation for measures 152-156. The top staff has a tempo marking of  $\text{♩} = 120$  and a *cresc.* marking. The bottom staff has a *p* dynamic and a *cresc.* marking. Roman numeral IV is placed above the staff in measures 152 and 154.

157 [N] *mf*



Musical notation for measures 157-160. The top staff has a box labeled [N] above it. The bottom staff has an *mf* dynamic. Roman numeral IV is placed above the staff in measure 158.

161 1= 2= 2=



Musical notation for measures 161-166. The top staff shows sixteenth-note patterns with slurs. The bottom staff shows sixteenth-note patterns with slurs and fingering numbers 1= and 2= above the staff.

164

164

1= 2= 2=

167

167

IV 1=

170

o

170

IV III 0

stamp on floor!

pizz.

*sfz* *f*

175

*rit.* Viola 1 plays this : *molto rit.*

175

0

Viola 4 says "Señor, these are not giants, but windmills"

181

Viola 1 says "Ah..."

P

*sfz*

181

arco harmonics on IV

*f* *sfz* *sfz* *p*

188

188

sul IV

circular bowing

*ff*