

Ricochet

David McMullin

Dedicated to
Dr. Ferdinando Buonanno, and Professors Pozzi Escot and Robert Cogan,
mentors and friends whose love of life and music is inspiring in every way.


Ricochet was composed for Collage New Music, David Hoose, Artistic Director,
and premiered March 22, 2010, in Cambridge, MA.

Instruments

Flute
B \flat Clarinet
Percussion:
Cymbal
High Hat
Vibraphone
Piano
Violin
Violoncello

high hat notation:

strike while closed	+	strike while open	o	close without striking	.	clap and let ring	^
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Score in C: the clarinet sounds at the written pitch.
Accidentals apply throughout the measure, but are often repeated for clarity.
Duration approximately 6 minutes.

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for Ferdinando Buonanno, Pozzi Escot and Robert Cogan

Ricochet

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The musical score is for the piece "Ricochet" by David McMullin, composed for Ferdinando Buonanno, Pozzi Escot, and Robert Cogan. It is written in 4/4 time with a tempo of 136 beats per minute. The score is arranged for a chamber ensemble consisting of Flute, Bb Clarinet, Percussion, Piano, Violin, and Violoncello. The key signature is one sharp (F#), and the dynamics are marked *ff* (fortissimo) throughout. The Flute and Bb Clarinet parts feature a rhythmic pattern of eighth notes with accents and slurs. The Percussion part includes a vibrato marking and a complex rhythmic pattern. The Piano part features a complex rhythmic pattern with many beamed notes. The Violin and Violoncello parts feature a rhythmic pattern of eighth notes with accents and slurs, and a pizzicato marking.

4

Fl. *ff*

Cl. *ff*

Perc. **high-hat (closed)**
mp *mp*

Pno. *ff*

Vln. *ff*

Vc. *ff*

7

Fl. *mp*

Cl. *mp*

Perc. *f* crash cym. (h.h.) *mp*

Pno. *ff* *f* *mf* *mp*

Vln. arco *mp* *mf* *mp* *mf*

Vc. arco *mp* *mf* *mp* *mf*

9

Fl. *mf* *mp*

Cl. *mf* *mp*

Perc.

Pno. *p*

Vln. *mp* *mp* *p* *mp*

Vc. *mp* *mp* *p* *mp* *p*

Detailed description of the musical score: The score is for measures 9 through 12. It features six staves: Flute (Fl.), Clarinet (Cl.), Percussion (Perc.), Piano (Pno.), Violin (Vln.), and Viola (Vc.). The time signature is 3/4. The key signature has one sharp (F#).
 - Flute: Measures 9-10 have a melodic line with slurs and accents, marked *mf*. Measures 11-12 have a sustained note, marked *mp*.
 - Clarinet: Measures 9-10 have a melodic line with slurs and accents, marked *mf*. Measures 11-12 have a sustained note, marked *mp*.
 - Percussion: Measures 9-10 have four accented quarter notes on a single pitch, marked with '+' signs. Measures 11-12 have a sustained note, marked *mp*.
 - Piano: Measures 9-10 have a sustained chord, marked *p*. Measures 11-12 have a sustained note, marked *p*.
 - Violin: Measures 9-10 have a rhythmic pattern of eighth notes, marked *mp*. Measures 11-12 have a sustained note, marked *mp*.
 - Viola: Measures 9-10 have a rhythmic pattern of eighth notes, marked *mp*. Measures 11-12 have a sustained note, marked *p*.

(rit.)

16

Fl.

Cl.

Perc.

Pno.

Vln.

Vc.

p

p

p

pp

p

pp

mp

p

p *n*

p

pp

pizz.

pizz.

Detailed description of the musical score: The score is for measures 16, 17, and 18 of a piece in 4/4 time. The key signature has two sharps (F# and C#). The instruments are Flute (Fl.), Clarinet (Cl.), Percussion (Perc.), Piano (Pno.), Violin (Vln.), and Viola (Vc.).
- Flute: Measure 16 has a melodic line starting on G4, moving to A4, B4, and C5. Measure 17 has a whole note G4. Measure 18 has a melodic line starting on G4, moving to A4, B4, and C5.
- Clarinet: Measure 16 has a whole note G2. Measure 17 has a whole note G2. Measure 18 has a whole note G2.
- Percussion: Measure 16 has a snare drum hit. Measure 17 has a snare drum hit. Measure 18 has a snare drum hit.
- Piano: Measure 16 has a complex melodic line with many sixteenth notes. Measure 17 has a complex melodic line with many sixteenth notes. Measure 18 has a whole note G4.
- Violin: Measure 16 has a whole note G4. Measure 17 has a whole note G4. Measure 18 has a whole note G4.
- Viola: Measure 16 has a whole note G2. Measure 17 has a whole note G2. Measure 18 has a whole note G2.
Dynamics: Flute starts at *p* in measure 17 and *p* in measure 18. Clarinet is *p* in measure 16. Percussion is *p* in measure 18. Piano is *p* in measure 16. Violin is *pp* in measure 16 and *p* in measure 18. Viola is *pp* in measure 16, *mp* in measure 17, and *p* in measure 18. Performance instructions include *pizz.* for the Viola in measures 17 and 18, and *rit.* above the score.

a tempo (♩ = 136)

19

Fl. *ff*

Cl. *ff*

Perc. *mf*

Pno. *ff*

Vln. *ff*

Vc. *ff*

22

Fl.

Cl.

Perc.

Pno.

Vln.

Vc.

mf

mf

mf

ff

mf

mf

arco

Detailed description of the musical score: The score is for measures 22, 23, and 24. The Flute (Fl.) part starts in measure 23 with a dynamic of *mf*. The Clarinet (Cl.) part starts in measure 22 with a dynamic of *mf*. The Percussion (Perc.) part has a single note in measure 22 and a rhythmic pattern in measure 24, both marked *mf*. The Piano (Pno.) part is marked *ff* and features a complex rhythmic pattern with accents and slurs. The Violin (Vln.) part is marked *mf* and features a series of chords. The Viola (Vc.) part is marked *mf* and features a series of chords, with the instruction "arco" above the first few notes.

25

Fl. *f* *mf* *mp*

Cl. *f* *mf* *mp*

Perc. *f*

Pno. *ff* *mf* *mp*

Vln. *f* *mf* *mp*

Vc. *f* *mf* *mp*

Fl. *p*

Cl. *p*

Perc. *mp* *pp*

Pno.

Vln. *p* *mf* *p* 3

Vc. *p*

Detailed description: This is a page of a musical score for six instruments: Flute (Fl.), Clarinet (Cl.), Percussion (Perc.), Piano (Pno.), Violin (Vln.), and Viola (Vc.). The score is written in a common time signature. The Flute part begins with a rest and then plays a melodic line starting in the fourth measure with a dynamic marking of *p*. The Clarinet part also has a rest until the second measure, then plays a line with a *p* dynamic. The Percussion part features a complex rhythmic pattern in the second and third measures with a *mp* dynamic, followed by a short sequence of four notes in the fourth measure with a *pp* dynamic. The Piano part has a melodic line in the first measure. The Violin part starts with a *p* dynamic, moves to *mf* in the second measure, and then has a triplet of notes in the fourth measure with a *p* dynamic. The Viola part has a simple line with a *p* dynamic.

34

Fl.

Cl.

Perc.

Pno.

Vln.

Vc.

The musical score consists of six staves. The Flute (Fl.) staff has a treble clef and a key signature of one sharp (F#). It plays a melodic line starting with a quarter note G4, followed by a half note A4, and a quarter note B4. A slur covers the next two measures, containing a quarter note C5, a quarter note B4, and a quarter note A4. The Clarinet (Cl.) staff has a treble clef and a key signature of one sharp. It plays a quarter note G4, followed by a half note A4, and a quarter note B4. The Percussion (Perc.) staff has a double bar line and a key signature of one sharp. It features a rhythmic pattern of eighth notes with accents, marked *pp*. The Piano (Pno.) staff has a grand staff with treble and bass clefs and a key signature of one sharp. It is silent throughout. The Violin (Vln.) staff has a treble clef and a key signature of one sharp. It plays a quarter note G4, followed by a half note A4, and a quarter note B4. A slur covers the next two measures, containing a quarter note C5, a quarter note B4, and a quarter note A4. The Viola (Vc.) staff has a bass clef and a key signature of one sharp. It plays a quarter note G3, followed by a half note A3, and a quarter note B3. A slur covers the next two measures, containing a quarter note C4, a quarter note B3, and a quarter note A3. The time signature changes from 4/4 to 6/4 at the end of measure 36. Dynamics include *pp* for the percussion and *p* for the strings.

Fl. *pp*

Cl. *mp* *p* *pp* *p* *pp*

Perc. *p* *mp* *p* *pp* *p*

Pno.

Vln. *mp* *p* *pp* *p* *pp*

Vc. *mp* *p* *pp* *p* *pp*

Detailed description: This page of a musical score, numbered 38, features six staves. The Flute (Fl.) staff is mostly silent, with a final measure containing a half note G4 marked *pp*. The Clarinet (Cl.) staff plays a melodic line starting with a half note G2 (*mp*), followed by quarter notes A2, B2, and C3 (*p*), and ending with a half note D3 (*pp*). The Percussion (Perc.) staff has a rhythmic pattern of quarter notes: G2, A2, B2, C3 (*p*), followed by a rest, then a half note chord of G2 and A2 (*mp*), a quarter note B2 (*p*), a half note chord of G2 and A2 (*pp*), and a quarter note B2 (*p*). The Piano (Pno.) staff is silent. The Violin (Vln.) staff plays a melodic line starting with a half note G4 (*mp*), followed by a half note A4 (*p*), and then a series of quarter notes: G4, A4, B4, C5 (*pp*), followed by a half note G4 (*p*), and ending with a half note A4 (*pp*). The Viola (Vc.) staff plays a series of half notes: G2 (*mp*), A2 (*p*), B2 (*pp*), C3 (*p*), and D3 (*pp*).

43 $\text{♩} = 68$

Fl. *p* *pp* *pp*

Cl. *p* *mp* *pp* *pp*

Perc. *p* *pp* *ppp* *ff*

Pno. *p* *pp* *ppp* *ff*

Vln. *p* *mp* *pp* *pp*

Vc. *p* *mp* *pp* *pp*

Detailed description: This page of a musical score covers measures 43 to 46. The tempo is marked as quarter note = 68. The score is for six instruments: Flute (Fl.), Clarinet (Cl.), Percussion (Perc.), Piano (Pno.), Violin (Vln.), and Viola (Vc.).
- Flute: Measures 43-44 have a half note G4 with a dynamic of *p*. Measures 45-46 have a half note G4 with a dynamic of *pp*.
- Clarinet: Measures 43-44 have a half note G3 with a dynamic of *p*. Measures 45-46 have a half note G3 with a dynamic of *pp*.
- Percussion: Measures 43-44 have a half note G3 with a dynamic of *p*. Measures 45-46 have a half note G3 with a dynamic of *pp*.
- Piano: Measures 43-44 have a half note G3 with a dynamic of *p*. Measures 45-46 have a half note G3 with a dynamic of *pp*.
- Violin: Measures 43-44 have a half note G4 with a dynamic of *p*. Measures 45-46 have a half note G4 with a dynamic of *pp*.
- Viola: Measures 43-44 have a half note G3 with a dynamic of *p*. Measures 45-46 have a half note G3 with a dynamic of *pp*.
The score includes various musical notations such as slurs, hairpins, and dynamic markings.

48

Fl.

Cl.

Perc.

Pno.

Vln.

Vc.

pp

p

pp

3

Detailed description: This is a page of a musical score, page 14, starting at measure 48. The score is arranged in a system with six staves. The Flute (Fl.) and Clarinet (Cl.) staves are at the top, followed by Percussion (Perc.), Piano (Pno.), Violin (Vln.), and Viola (Vc.) at the bottom. The Flute and Clarinet parts begin in measure 48 with a series of notes, starting with a piano (*pp*) dynamic and gradually increasing to a mezzo-piano (*p*) dynamic. The Percussion part also begins in measure 48 with a piano (*pp*) dynamic. The Piano, Violin, and Viola parts are mostly silent, with the Viola part having a few notes in the first measure. The Viola part has a triplet of notes in the first measure.

53

Fl.

Cl.

Perc.

Pno.

Vln.

Vc.

p *mp*

p *mp*

p *mp*

n *p* *mp* *p*

p *mp*

57

Fl.

Cl.

Perc.

Pno.

Vln.

Vc.

mp

mf

p

mf

mp

8va

5:4

3

3

3

3

62

Fl.

Cl.

Perc.

Pno.

Vln.

Vc.

(non rit.)

sub. pp

mp

pp

mp

mp

mf

mf

sub. pp

mp

mf

69

Fl.

Cl.

Perc.

Pno.

Vln.

Vc.

mf

mf

mf

mf

mf

mf

3

3

5:4

5:4

Detailed description of the musical score: The score is for measures 69-72 in 4/4 time. The Flute (Fl.) part begins in measure 69 with a triplet of eighth notes (F4, G4, A4) and a quarter note (B4), followed by a quarter rest in measure 70 and a half note (B4) in measure 71. The Clarinet (Cl.) part has a quarter rest in measure 69, a quarter note (F#4) in measure 70, and a quarter note (G4) in measure 71. The Percussion (Perc.) part has a quarter rest in measure 69, a quarter note (F#4) in measure 70, and a quarter note (G4) in measure 71. The Piano (Pno.) part has a quarter rest in measure 69, a quarter note (F#4) in measure 70, and a quarter note (G4) in measure 71. The Violin (Vln.) part has a quarter rest in measure 69, a quarter note (F#4) in measure 70, and a quarter note (G4) in measure 71. The Viola (Vc.) part has a quarter rest in measure 69, a quarter note (F#4) in measure 70, and a quarter note (G4) in measure 71. The score includes dynamic markings of *mf* and articulation marks such as slurs and accents. Measure numbers 69, 70, 71, and 72 are indicated at the top of the staff.

73

Fl.

Cl.

Perc.

Pno.

Vln.

Vc.

ad lib.

mp

f

mf

f

mf

3

6

3

+

+

+

+

76 *accel.* $\text{♩} = 90$

Fl. *crescendo*

Perc.

80

Fl. *mf* *f* *mp*

Cl.

Perc. *mp*

84

Fl. *mp*

Cl. *mp*

Perc. *mf* *mp*

88

Fl.

Cl.

Perc.

Pno.

Vln.

Vc.

mf

mf

mf 3

mf

f

Detailed description: This page of a musical score covers measures 88, 89, and 90. The Flute (Fl.) part begins in measure 88 with a melodic line marked *mf*. The Clarinet (Cl.) part also starts in measure 88 with a triplet of eighth notes marked *mf*. The Percussion (Perc.) part has a triplet of eighth notes marked *mf* 3 in measure 89. The Piano (Pno.) part is silent throughout. The Violin (Vln.) part begins in measure 89 with a complex melodic line featuring triplets and slurs, marked *mf* and *f*. The Viola (Vc.) part is silent throughout.

100

Fl.

Cl.

Perc.

Pno.

Vln.

Vc.

mf

mf

mf

f

3

3

3

3

3

3

5:4

7

4/4

4/4

4/4

4/4

4/4

4/4

Fl. *f* *mf*

Cl. *f* *mf*

Perc. *f* *mf*

Pno. *ff*

Vln. *mf*

Vc. *mf*

Detailed description: This page of a musical score covers measures 103 and 104. The music is in 4/4 time. The Flute (Fl.) and Clarinet (Cl.) parts begin in measure 103 with a half note G4 (flute) and G4 (clarinet), both marked *f*. In measure 104, they play a half note G4 marked *mf*. The Percussion (Perc.) part in measure 103 plays a half note G4 marked *f*. In measure 104, it plays a half note G4 marked *mf*. The Piano (Pno.) part in measure 103 features a triplet of eighth notes in the right hand (F4, E4, D4) and a triplet of eighth notes in the left hand (B3, A3, G3), both marked *ff*. In measure 104, the piano is silent. The Violin (Vln.) part is silent in measure 103 and plays a half note G4 marked *mf* in measure 104. The Viola (Vc.) part is silent in measure 103 and plays a half note G4 marked *mf* in measure 104. The Viola part includes sixteenth-note triplets and sixteenth-note pairs in both measures.

105

Fl.

5:4

f *mf*

Cl.

5:4

f *mf*

f 3

Perc.

5:4

f

mf 6

f

Pno.

f

3 3 3 3

ff

Vln.

5:4

f *mf*

f

Vc.

111

Fl.

Cl.

Perc.

Pno.

Vln.

Vc.

mp

mf

3

3

3

3

3

6

118

Fl.

Cl.

Perc.

Pno.

Vln.

Vc.

$\text{♩} = 68$

mf *f* *mf*

mf *f* *mf*

f *f* *mf*

mf *f* *mf*

f *f* *mf*

mf *f* *mf*

5:4

122

Fl. *p* *mf* *p*

Cl. *mf* *p* *mp*

Perc. *mp*

Pno. *mf*

Vln. *mp*

Vc. *mp*

Detailed description: This page of a musical score, numbered 122, features six staves. The Flute (Fl.) staff begins with a dynamic of *p* and has a triplet of notes in the third measure. The Clarinet (Cl.) staff starts with *mf* and ends with *mp*. The Percussion (Perc.) staff includes a triplet and various rhythmic patterns. The Piano (Pno.) staff shows complex chordal textures with a *mf* dynamic. The Violin (Vln.) and Viola (Vc.) staves have sparse entries in the final measure, both marked *mp*.

126 **poco rall.**

Fl. *p*

Cl. *mp > p*

Perc. *mp* *p* *pp*

Pno.

Vln. **poco rall.** *mp* *pp*

Vc. *mp* *p* *pp*

Boston, March 7, 2010