

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

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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 staccato eighth notes with accents. The Percussion part includes a vibrato effect and is marked *ff*. The Piano part consists of chords with staccato eighth notes. The Violin and Violoncello parts are marked *pizz.* (pizzicato) and *ff*, playing staccato eighth notes with accents. The score is divided into three measures, with the first measure containing the main rhythmic and melodic motifs.

4

Fl. *ff*

Cl. *ff*

Perc. **high-hat (closed)**
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 a rhythmic pattern of quarter notes with accents. 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*.

13

Fl.

Cl.

Perc.

Pno.

Vln.

Vc.

p *mp*

p *mp*

p

p

p *mp*

Detailed description: This page of a musical score, numbered 13, features six staves. The Flute (Fl.) staff is mostly silent, with a triplet of eighth notes in the third measure, marked *p* and *mp*. The Clarinet (Cl.) staff plays a melodic line starting in the second measure, marked *p*, and includes a triplet in the third measure, also marked *p* and *mp*. The Percussion (Perc.) staff shows a single note in the second measure marked *p* and a pair of notes in the third measure marked *p*. The Piano (Pno.) staff is silent, with a *p* dynamic marking in the first measure. The Violin (Vln.) staff plays a melodic line starting in the first measure, marked *p*, and includes a triplet in the second measure. The Viola (Vc.) staff is silent until the second measure, then plays a melodic line marked *p* and *mp* in the third measure.

(rit.)

16

Fl.

Cl.

Perc.

Pno.

Vln.

Vc.

p

p

p

pp

p

pp

mp

p

p

n

pizz.

pizz.

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 has a dynamic of *mf* in measure 23 and measure 24. The Clarinet (Cl.) part has a dynamic of *mf* in measure 22. The Percussion (Perc.) part has a dynamic of *mf* in measure 24. The Piano (Pno.) part has a dynamic of *ff* in measure 22. The Violin (Vln.) part has a dynamic of *mf* in measure 22. The Violoncello (Vc.) part has a dynamic of *mf* in measure 22 and is marked 'arco'.

25

Fl. *f* *mf* *mp*

Cl. *f* *mf* *mp*

Perc. *f*

Pno. *ff* *mf* *mp*

Vln. *f* *mf* *mp*

Vc. *f* *mf* *mp*

Detailed description of the musical score: The score is for measures 25 through 28. It features six staves: Flute (Fl.), Clarinet (Cl.), Percussion (Perc.), Piano (Pno.), Violin (Vln.), and Viola (Vc.). The Flute and Clarinet parts are in treble clef and play a melodic line with dynamics *f*, *mf*, and *mp*. The Percussion part is in a drum set notation with a dynamic of *f*. The Piano part is in treble clef and features a complex texture with dynamics *ff*, *mf*, and *mp*, including a triplet in measure 28. The Violin part is in treble clef and plays a melodic line with dynamics *f*, *mf*, and *mp*. The Viola part is in bass clef and plays a melodic line with dynamics *f*, *mf*, and *mp*. The score includes various musical notations such as slurs, accents, and dynamic markings.

Fl. *p*

Cl. *p*

Perc. *mp* *pp*

Pno.

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

Vc. *p*

Detailed description: This page of a musical score, numbered 29, features six staves. The Flute (Fl.) staff begins with a rest and then plays a melodic line starting in the fourth measure with a dynamic marking of *p*. The Clarinet (Cl.) staff also starts with a rest, then plays a melodic line in the second measure, also marked *p*. The Percussion (Perc.) staff has a complex rhythmic pattern in the second and third measures, marked *mp*, followed by a short sequence of four notes in the fourth measure marked *pp*. The Piano (Pno.) staff has a melodic line in the first measure, marked *p*. The Violin (Vln.) staff starts with a melodic line in the first measure, marked *p*, which then changes to *mf* in the second measure. In the fourth measure, it plays a triplet marked *p*, and in the fifth measure, it has a long note. The Viola (Vc.) staff has a melodic line in the fourth measure, marked *p*, and a long note in the fifth measure.

34

Fl.

Cl.

Perc.

Pno.

Vln.

Vc.

The musical score consists of six staves. The Flute (Fl.) staff begins with a melodic line in measure 34, featuring a half note G4, a quarter note A4, and a half note B4, all tied to the next measure. The Clarinet (Cl.) staff plays a half note G3 in measure 34, followed by a whole rest in measure 35. The Percussion (Perc.) staff features a rhythmic pattern of eighth notes with accents, marked *pp* in measures 34, 35, and 36. The Piano (Pno.) staff is silent throughout. The Violin (Vln.) staff plays a half note G4 in measure 34, followed by a whole rest in measure 35. The Viola (Vc.) staff plays a half note G3 in measure 34, followed by a whole rest in measure 35. The score concludes in measure 37 with a 6/4 time signature change. The Flute and Viola parts end with a *p* dynamic marking and a hairpin crescendo.

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 and a dynamic marking of *pp*. The Clarinet (Cl.) staff plays a melodic line starting with a half note, followed by quarter notes, and ending with a half note. Dynamics range from *mp* to *pp*. The Percussion (Perc.) staff has a rhythmic pattern of eighth notes in the first measure, followed by rests, and then a series of notes in the final two measures. Dynamics include *p*, *mp*, and *p*. The Piano (Pno.) staff consists of two staves with rests throughout. The Violin (Vln.) staff plays a melodic line with dynamics ranging from *mp* to *pp*. The Viola (Vc.) staff plays a similar melodic line with dynamics ranging from *mp* to *pp*. The score uses various dynamic markings (*mp*, *p*, *pp*) and includes hairpins to indicate crescendos and decrescendos.

43 ♩ = 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*

48

Fl.

Cl.

Perc.

Pno.

Vln.

Vc.

pp

p

53

Fl.

Cl.

Perc.

Pno.

Vln.

Vc.

p *mp*

p *mp*

p *mp*

n *p* *3* *mp* *p*

p *mp*

The image shows a page of a musical score for a chamber ensemble. The score is in 3/4 time and consists of six staves: Flute (Fl.), Clarinet (Cl.), Percussion (Perc.), Piano (Pno.), Violin (Vln.), and Viola (Vc.). The page number 53 is written at the top left. The Flute and Clarinet parts have a dynamic marking of *p* (piano) at the beginning of the third measure and *mp* (mezzo-piano) at the end. The Percussion part has a *p* marking at the start of the second measure and *mp* at the start of the third measure. The Piano part has a *mp* marking at the end of the third measure. The Violin part has a *n* (no dynamics) marking at the start, followed by *p*, a triplet *3*, *mp*, and *p*. The Viola part has a *p* marking at the start of the second measure and *mp* at the end of the third measure. The score includes various musical notations such as rests, notes, slurs, and dynamic markings.

62

Fl.

Cl.

Perc.

Pno.

Vln.

Vc.

(non rit.)

sub. pp

mp

pp

mp

mp

mf

mf

sub. pp

mp

mf

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 3

f

100

Fl.

Cl.

Perc.

Pno.

Vln.

Vc.

mf

f

3

3

3

3

3

3

5:4

mf

f

4/4

4/4

4/4

4/4

4/4

4/4

This musical score page contains six staves for measures 103 and 104. The instruments and their parts are as follows:

- Fl. (Flute):** Treble clef, 4/4 time. Measure 103: quarter note G4, quarter rest, quarter rest, quarter rest. Measure 104: quarter rest, quarter rest, quarter rest, quarter note G4. Dynamics: *f* in measure 103, *mf* in measure 104.
- Cl. (Clarinet):** Treble clef, 4/4 time. Measure 103: quarter note G4, quarter note A4, quarter note B4, quarter note G4. Measure 104: quarter rest, quarter rest, quarter rest, quarter note G4. Dynamics: *f* in measure 103, *mf* in measure 104.
- Perc. (Percussion):** Two staves. Top staff: 4/4 time. Measure 103: quarter note G4, quarter note A4, quarter note B4. Measure 104: quarter rest, quarter rest, quarter rest, quarter note G4. Dynamics: *f* in measure 103, *mf* in measure 104.
- Pno. (Piano):** Grand staff (treble and bass clefs), 4/4 time. Measure 103: Treble clef has a triplet of eighth notes (G4, A4, B4). Bass clef has chords: G2-B2, A2-C3, B2-D3. Measure 104: Treble clef is silent. Bass clef is silent. Dynamics: *ff* in measure 103.
- Vln. (Violin):** Treble clef, 4/4 time. Measure 103: quarter rest, quarter rest, quarter rest, quarter rest. Measure 104: quarter rest, quarter rest, quarter rest, quarter note G4. Dynamics: *mf* in measure 104.
- Vc. (Viola):** Bass clef, 4/4 time. Measure 103: quarter rest, eighth note G3, eighth note A3, eighth note B3, eighth note G3, eighth note F3, eighth note E3, eighth note D3, eighth note C3. Measure 104: quarter note G3, quarter note A3, quarter note B3, quarter note G3, quarter note F3, quarter note E3, quarter note D3, quarter note C3. Dynamics: *mf* in measure 103.

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

6

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 marked *mf* in the third measure, followed by a crescendo to *p*. The Clarinet (Cl.) staff starts with a half note marked *mf*, which then transitions to *p* and finally *mp* in the fourth measure. The Percussion (Perc.) staff contains a complex rhythmic pattern with a triplet of eighth notes and various chords, ending with a *mp* dynamic. The Piano (Pno.) staff shows a grand staff with a *mf* dynamic in the third measure. The Violin (Vln.) and Viola (Vc.) staves both have a *mp* dynamic in the fourth measure.

126 **poco rall.**

The score consists of six staves:

- Fl. (Flute):** Measures 126-130. Starts with a whole rest. In measure 127, a half note G4 is marked *p*. It continues with a half note A4 in measure 128 and a whole note B4 in measure 129.
- Cl. (Clarinet):** Measures 126-130. Starts with a half note G3, followed by quarter notes F3, E3, D3, C3 in measure 127. In measure 128, it plays a half note G2 marked *mp* with an accent, followed by a half note F2 marked *p* in measure 129.
- Perc. (Percussion):** Measures 126-130. Measure 127 features a complex rhythmic pattern marked *mp*. Measure 128 has a half note G2 marked *p*. Measure 129 has a triplet of eighth notes marked *pp*.
- Pno. (Piano):** Measures 126-130. Both staves are mostly empty. In measure 129, the bass staff has a half note G2 marked *mp*.
- Vln. (Violin):** Measures 126-130. Starts with a whole rest. In measure 128, a half note G4 is marked *mp*. In measure 129, a half note A4 is marked *pp*.
- Vc. (Viola):** Measures 126-130. Starts with a whole rest. In measure 127, a half note G3 is marked *mp*. In measure 128, a half note F3 is marked *p*. In measure 129, a half note E3 is marked *pp*.

Boston, March 7, 2010