

**Roger Zare**

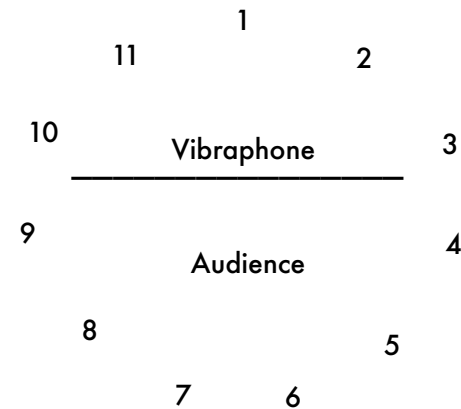
# **Bioluminescence**

Copyright © 2019 by Roger Zare Music, ASCAP

## Solo vibraphone (on stage)

5 to 11 antiphonal percussionists, equidistantly arranged in a circle around the audience, preferably on a balcony when possible. The first part should be directly behind the vibraphone, and the rest of the percussionists should be arranged clockwise. The triangles should range in size from small to large, and should be randomly distributed among the percussionists.

1. Triangle, B $\flat$ 4 crotale
2. Triangle, F $\sharp$ 4 crotale
3. Triangle, D5 crotale
4. Triangle, F4 crotale
5. Triangle, A $\flat$ 4 crotale
6. Triangle, C5 crotale
7. Triangle, A4 crotale
8. Triangle
9. Triangle, E $\flat$ 5 crotale
10. Triangle
11. Triangle, G4 crotale



## Performance notes:

- The vibraphone player leads the performance and has the liberty to push or pull the tempo throughout.
- Each of the other percussionist's parts is spatially notated in relation to the vibraphone part, and each part contains a complete vibraphone cue staff.
- If performing with 5 antiphonal percussionists, use parts 1, 4, 6, 9, and 11, and each player should play all cues and stand equidistantly around the hall. P.1 will cover P.2, P.4 covers P.3, P.6 covers P.7, P.9 covers P.5, and P.11 covers P.10. If there will be more, cover, in order, parts 8, 2, 10, 3, 7, and then finally 5.
- If possible, this work should be performed in a darkened hall with a single spotlight on the vibraphone, and each of the 11 antiphonal percussionists illuminated only by stand lights.
- Circles:** At letters A and N, there are circle gestures that should propagate around the antiphonal triangles. The second triangle player in each circle sets the tempo that the subsequent players follow. The first circle should start extremely slowly and gradually speed up until everyone is independently speeding up before letter B. The final circle should start moderately quickly and slow down until the end of the piece. This circle should continue for a few seconds after the final vibraphone note and the piece should end organically.

duration: ca. 10'

written for the Illinois State University Percussion Studio  
For more information, please visit [www.rogerzare.com](http://www.rogerzare.com)

# Bioluminescence

Roger Zare

**Slowly, freely** (♩ ≈ 76)

mellow and rounded  
motor on, slow

Vibraphone

Musical notation for Vibraphone. The staff is in treble clef with a key signature of one flat (B-flat). The music consists of three measures of music, each with a fermata. The first measure contains a half note chord of B-flat and D-flat. The second measure contains a half note chord of B-flat and D-flat. The third measure contains a half note chord of B-flat and D-flat. Dynamics are indicated by slurs: *n* (piano) for the first measure, *p* (piano) for the second measure, and *n* (piano) for the third measure. The overall dynamic range is from *n* to *f* (forte).

accidentals only apply to the note they immediately precede



Vib.

Musical notation for Vib. (Vibraphone). The staff is in treble clef with a key signature of one flat (B-flat). The music consists of two measures of music, each with a fermata. The first measure contains a half note chord of B-flat and D-flat. The second measure contains a half note chord of B-flat and D-flat. The third measure contains a half note chord of B-flat and D-flat. The fourth measure contains a half note chord of B-flat and D-flat. The fifth measure contains a half note chord of B-flat and D-flat. The sixth measure contains a half note chord of B-flat and D-flat. The seventh measure contains a half note chord of B-flat and D-flat. The eighth measure contains a half note chord of B-flat and D-flat. Dynamics are indicated by slurs: *p* (piano) for the first measure, *n* (piano) for the second measure, *pp* (pianissimo) for the third measure, *n* (piano) for the fourth measure, *mf* (mezzo-forte) for the fifth measure, *p* (piano) for the sixth measure, *f* (forte) for the seventh measure, and *p* (piano) for the eighth measure. The overall dynamic range is from *pp* to *f*. The word "delicately" is written above the second measure.

**A**

Begin circle slowly, clockwise, very gradually get faster  
sempre l.v.

1. Tri. *pp* Continue circle slowly, clockwise, very gradually get faster  
sempre l.v.

2. Tri. *pp*

3. Tri. *pp* sempre l.v.

4. Tri. *pp* sempre l.v.

5. Tri. *pp* sempre l.v.

6. Tri. *pp* sempre l.v.

7. Tri. *pp* sempre l.v.

8. Tri. *pp* sempre l.v.

9. Tri. *pp* sempre l.v.

10. Tri. *pp* sempre l.v.

11. Tri. *pp* sempre l.v.

**A**

Vib. *pp* *p* *pp* *mp* *pp*

1. Tri. continue accelerating smoothly to the roll at reh. B

2. Tri. continue accelerating smoothly to the roll at reh. B

3. Tri. continue accelerating smoothly to the roll at reh. B

4. Tri. continue accelerating smoothly to the roll at reh. B

5. Tri. continue accelerating smoothly to the roll at reh. B

6. Tri. continue accelerating smoothly to the roll at reh. B

7. Tri. continue accelerating smoothly to the roll at reh. B

8. Tri. continue accelerating smoothly to the roll at reh. B

9. Tri. continue accelerating smoothly to the roll at reh. B

10. Tri. continue accelerating smoothly to the roll at reh. B

11. Tri. continue accelerating smoothly to the roll at reh. B

**B** gradually slow down

*f* *molto*

*f* *molto*

*f* *molto*

*f* *molto*

*f* *molto*

*f* *molto*

*f* *molto*

*f* *molto*

*f* *molto*

*f* *molto*

*f* *molto*

*f* *molto*

*f* *molto*

Vib.

*mf* *pp* *mf* *pp* *f*

Detailed description: The vibraphone part is written on a single staff with a treble clef. It features a series of chords and single notes. The first measure has a chord with a fermata. The second measure has a chord with a fermata. The third measure has a chord with a fermata. The fourth measure has a chord with a fermata. The fifth measure has a chord with a fermata. The sixth measure has a chord with a fermata. The seventh measure has a chord with a fermata. The eighth measure has a chord with a fermata. The ninth measure has a chord with a fermata. The tenth measure has a chord with a fermata. The eleventh measure has a chord with a fermata. The twelfth measure has a chord with a fermata. The thirteenth measure has a chord with a fermata. The fourteenth measure has a chord with a fermata. The fifteenth measure has a chord with a fermata. The sixteenth measure has a chord with a fermata. The seventeenth measure has a chord with a fermata. The eighteenth measure has a chord with a fermata. The nineteenth measure has a chord with a fermata. The twentieth measure has a chord with a fermata. The dynamics markings are *mf*, *pp*, *mf*, *pp*, and *f*. There are also some articulation markings like slurs and accents.

1. Tri. *p* *pp*

2. Tri. *p* *pp*

3. Tri. *p* *pp*

4. Tri. *p* *pp*

5. Tri. *p* *pp*

6. Tri. *p* *pp*

7. Tri. *p* *pp*

8. Tri. *p* *pp*

9. Tri. *p* *pp*

10. Tri. *p* *pp*

11. Tri. *p* *pp*

Vib. *pp* *mp* *mf* *p* *pp*

Detailed description: The page contains 11 staves for Triangles, numbered 1 through 11, and one staff for Vibraphone. Each triangle staff begins with a sixteenth-note triplet followed by a long note. The dynamics for each triangle are marked as *p* (piano) and *pp* (pianissimo). The Vibraphone part features a melodic line with a long slur over the first four measures, followed by a rhythmic pattern in the fifth measure, and another long slur over the final two measures. The dynamics for the Vibraphone are marked as *pp*, *mp*, *mf*, *p*, and *pp*.

1. Tri.

2. Tri.

3. Tri.

4. Tri.

5. Tri.

6. Tri.

7. Tri.

8. Tri.

9. Tri.

10. Tri.

11. Tri.

Vib.

**C** motor: medium

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

**D**

This musical score is for 11 Triangles and a Vibraphone. The triangles are arranged in a stack of 11 staves, numbered 1 to 11 from top to bottom. Each triangle part consists of a melodic line with a dynamic contour of *pp* (pianissimo) - *mf* (mezzo-forte) - *pp*. The vibraphone part is at the bottom, starting with a *ff* (fortissimo) dynamic and moving through *pp*, *f* (forte), *p* (piano), *mf*, and *p* again. A **D** chord box is present above the vibraphone staff at the beginning of the second measure. Vertical dashed lines divide the score into four measures. The first measure contains triangles 4 through 8. The second measure contains triangles 8 through 11. The third measure contains triangles 8 through 11. The fourth measure contains triangles 8 through 11. The vibraphone part spans all four measures.



1. Tri. *pp* *f* *pp*

2. Tri. *pp* *f* *pp*

3. Tri. *pp* *f* *pp*

4. Tri. *pp* *f* *pp*

5. Tri.

6. Tri. *<mf>*

7. Tri.

8. Tri. *<mf>*

9. Tri. *<mf>*

10. Tri.

11. Tri. *<mf>*

Vib. *f* *pp f sub.* *pp sub.*

**E**

1. Tri. *<mf*

2. Tri. *<mf*

3. Tri.

4. Tri. *<mf*

5. Tri. *<mf*

6. Tri. *<mf*

7. Tri. *<mf*

8. Tri.

9. Tri. *<mf*

10. Tri. *<mf*

11. Tri. *<mf*

Vib. *mf* *pp* *mf*

**F**

**F**

1. Tri.  $p \text{---} f$

2. Tri.  $p \text{---} f$

3. Tri.  $p \text{---} f$

4. Tri.

5. Tri.  $p \text{---} f$

6. Tri.

7. Tri.  $p \text{---} f$

8. Tri.  $p \text{---} f$

9. Tri.

10. Tri.  $p \text{---} f$

11. Tri.  $p \text{---} f$

Vib.  $pp$

Detailed description: The image shows a musical score for 11 triangles and a vibraphone. The triangles are numbered 1 through 11. Each triangle part consists of a horizontal line with a double bar at the left end. Above the line, there are five dots, each with a '+' sign above it. Below the line, there is a dynamic marking 'p' followed by a wedge-shaped hairpin that points to the right and ends with an 'f'. The triangles are positioned at different horizontal locations: Triangle 1 is on the far right; Triangle 2 is in the middle-right; Triangle 3 is in the middle; Triangle 5 is on the left; Triangle 7 is on the far right; Triangle 8 is in the middle; Triangle 10 is in the middle-left; Triangle 11 is on the far right. The vibraphone part is at the bottom, starting with a treble clef, a key signature of two sharps (F# and C#), and a time signature of 8/8. It begins with a  $pp$  dynamic marking. The score includes a large hairpin that spans across the bottom of the triangle staves and the vibraphone staff, indicating a gradual increase in volume from  $pp$  to  $f$ .

1. Tri. *p*

2. Tri. *p*

3. Tri. *p*

4. Tri. *p* < *f* *p*

5. Tri. *p*

6. Tri. *p* < *f* *p*

7. Tri.

8. Tri. *p*

9. Tri. *p* < *f* *p*

10. Tri. *p*

11. Tri. *p*

Vib. *mp* *pp* *pp* *p* delicately

1. Tri.

2. Tri.

3. Tri.

4. Tri.

5. Tri.

6. Tri.

7. Tri.

8. Tri.

9. Tri.

10. Tri.

11. Tri.

Vib.

Crotales

Crotales

Crotales

Crotales

Crotales

Crotales

G motor: slow

l.v.

l.v.

l.v.

1. Croc. *mf* *pp* l.v.

2. Croc. *mp* *pp* l.v.

3. Tri.

4. Tri.

5. Croc. *mf* *pp* l.v. *f* *p* l.v.

6. Croc. *f* *p* l.v.

7. Tri.

8. Tri.

9. Croc. *f* *p* l.v.

10. Tri.

11. Croc. *mp* *pp* l.v. *mf* *p* l.v.

Vib. *p* *f* *p* *pp* l.v.

Detailed description: This musical score is for a percussion ensemble of 11 instruments and a vibraphone. The instruments are numbered 1 through 11. Instruments 1, 2, 5, 6, 9, and 11 are Crocchette (Croc.), while instruments 3, 4, 7, 8, and 10 are Triangles (Tri.). The Vibraphone (Vib.) is at the bottom. The score is divided into four measures by vertical dashed lines. Dynamics include *mf*, *pp*, *mp*, *f*, and *p*. Many notes are marked with 'l.v.' (lento vivace). The Vibraphone part features melodic lines with slurs and dynamic markings.

**H**

1. Croc. **Triangle**

2. Croc. **Triangle** *pp*

3. Tri. *pp* *mf* *pp*

4. Tri. *pp* *mf* *pp*

5. Croc. **Triangle**

6. Croc. **Triangle** *pp*

7. Tri. *pp* *mf* *pp*

8. Tri. *pp* *mf* *pp*

9. Croc. **Triangle** *pp*

10. Tri. *pp* *mf* *pp*

11. Croc. **Triangle**

Vib. *f* *pp* *mp* *pp*

**H**  
motor: fast

1. Tri.  
2. Tri.  
3. Tri.  
4. Tri.  
5. Tri.  
6. Tri.  
7. Tri.  
8. Tri.  
9. Tri.  
10. Tri.  
11. Tri.  
Vib.

*f* *pp*  
*f* *pp*  
*f* *pp*  
*f* *pp*  
*pp* *f* *pp*  
*pp* *f* *pp*  
*f* *pp* *f*

Detailed description: This page of a musical score features 11 Triangle (Tri.) parts and one Vibraphone (Vib.) part. The Triangle parts are arranged in a vertical stack, each with two staves. A vertical dashed line is positioned between the first and second measures. The Triangle parts are marked with dynamics: *f* (forte) and *pp* (pianissimo). The Vibraphone part is at the bottom, marked with *f* and *pp*. The score includes various musical notations such as notes, rests, and slurs.



1. Tri.  $pp \ll ff \gg pp$

2. Tri.  $pp \ll ff \gg pp$

3. Tri.  $pp \ll ff \gg pp$

4. Tri.  $pp \ll ff \gg pp$

5. Tri.  $pp \ll ff \gg pp$

6. Tri.  $pp \ll ff \gg pp$

7. Tri.  $pp \ll ff \gg pp$

8. Tri.  $pp \ll ff \gg pp$

9. Tri.  $pp \ll ff \gg pp$

10. Tri.  $pp \ll ff \gg pp$

11. Tri.  $pp \ll ff \gg pp$

Vib.  $p_{sub.} \ll ff \gg pp$   $p$   $\ll ff \gg pp \ll mf \gg pp$   $f$   $pp_{sub.}$

1. Tri. *p* l.v.

2. Tri. *p* l.v.

3. Tri. *p* l.v.

4. Tri. *p* l.v.

5. Tri. *p* l.v.

6. Tri. *p* l.v.

7. Tri. *p* l.v.

8. Tri. *p* l.v.

9. Tri. *p* l.v.

10. Tri. *p* l.v.

11. Tri. *p* l.v.

Vib. *f* *pp* *p* *f* *p*

Detailed description: The score consists of 11 triangle staves and one vibraphone staff. Each triangle staff contains three notes, with dynamics *p* and *l.v.* markings. The vibraphone staff features a melodic line with dynamics *f*, *pp*, *p*, *f*, and *p* across five measures. A large slur covers the first four measures of the vibraphone part, and another slur covers the final two measures. Two boxed 'I' symbols are placed at the beginning of the first and eleventh triangle staves.

This musical score is for a percussion ensemble consisting of 11 triangles and a vibraphone. The triangles are numbered 1 through 11 on the left side of the page. Each triangle part is represented by a single staff with a double bar line at the beginning. The notes are represented by solid black dots on the staff lines. The vibraphone part is located at the bottom of the page, starting with a treble clef, a key signature of one flat (B-flat), and a 4/4 time signature. It begins with a forte (*f*) dynamic and a series of sixteenth notes, followed by a dynamic shift to piano (*p*) and a series of chords. A large, curved line above the vibraphone staff indicates a long, sustained note or a specific performance technique. The entire score is enclosed in a dashed rectangular box on the right side.

1. Tri. *pp* *ff* *mf*

2. Tri. *pp* *ff* *mf*

3. Tri. *pp* *ff* *mf*

4. Tri. *pp* *ff* *mf*

5. Tri. *pp* *ff* *mf*

6. Tri. *pp* *ff* *mf*

7. Tri. *pp* *ff* *mf*

8. Tri. *pp* *ff* *mf*

9. Tri. *pp* *ff* *mf*

10. Tri. *pp* *ff* *mf*

11. Tri. *pp* *ff* *mf*

Detailed description: This block contains the musical notation for 11 triangles. Each triangle is represented by a single staff with a treble clef. The notation is divided into two sections by a vertical dashed line. The first section shows a continuous tremolo of eighth notes, starting with a *pp* dynamic and gradually increasing. The second section shows a tremolo of eighth notes that begins with a *ff* dynamic and then tapers off to a *mf* dynamic. The notes in the second section are spaced out, with some rests between them.

Vib. *f* *ff*

l.v. ca. 20"

Detailed description: The vibraphone part is written on a single staff with a treble clef. It begins with a *f* dynamic and a *ff* dynamic. A vertical dashed line is placed at the end of the first section. Below the staff, the text "l.v. ca. 20\"" is written, with a small square symbol below it. The *f* and *ff* dynamics are written below the staff.

This musical score is for 11 Triangles and a Vibraphone. The 11 Triangle parts are arranged in a vertical column, each consisting of a single staff with a double bar line below it. The notes for each triangle are as follows:

- 1. Tri.: Notes on the 1st, 3rd, 4th, 6th, 7th, 8th, and 10th lines.
- 2. Tri.: Notes on the 2nd, 4th, 6th, and 8th lines.
- 3. Tri.: Notes on the 2nd, 4th, 6th, and 10th lines.
- 4. Tri.: Notes on the 2nd, 4th, 5th, 7th, and 10th lines.
- 5. Tri.: Notes on the 2nd, 4th, 5th, 6th, 8th, 9th, and 10th lines.
- 6. Tri.: Notes on the 2nd, 4th, 5th, 6th, 8th, 9th, and 10th lines.
- 7. Tri.: Notes on the 1st, 4th, 5th, 6th, 7th, and 10th lines.
- 8. Tri.: Notes on the 2nd, 4th, 5th, 7th, and 9th lines.
- 9. Tri.: Notes on the 2nd, 4th, 5th, 7th, 8th, and 10th lines.
- 10. Tri.: Notes on the 2nd, 4th, 5th, 7th, and 10th lines.
- 11. Tri.: Notes on the 1st, 3rd, 5th, 7th, and 9th lines.

The Vibraphone part is located at the bottom of the page, consisting of a single staff with a treble clef. The notes for the Vibraphone are as follows:

- Notes on the 1st, 3rd, 5th, 7th, 8th, and 10th lines.

Each of the 11 Triangle parts has a *pp* dynamic marking at the end of the staff. The Vibraphone part also has a *pp* dynamic marking at the end of the staff. A dashed vertical line is on the right side of the page, and a treble clef is on the far right of the 5th Triangle staff.