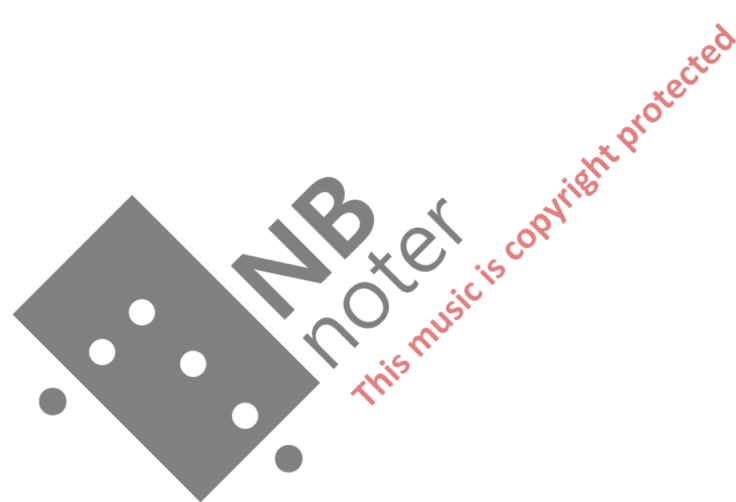


Moth Molecules

Full score



Kristine Tjøgersen - Moth Molecules (2023)

Duration approx. 10 minutes

Text: Hanna Bjørgaas

Alto Flute

Bass Flute
Sandpaper
Headlight

Bass Clarinet

Headlight

Percussion

Arturia Micro Freak
Hex Bugs
Small singing bowl with pearls
Sandpaper
Milksteamer
Maracas - different types
Ocean Drum
Prepared Milk Steamer

Keyboard

MOOG opus 3
Hex Bug
Small singing bowl with pearls
Caxixi rattle

Violin I

Megaphone
Cardboard
Hex Bug
Small singing bowl with pearls
Headlight

Violin II

Parabracelet
Megaphone
Cardboard
Maracas
Sandpaper
Headlight

Viola

Milk-steamer
Maracas

Cello

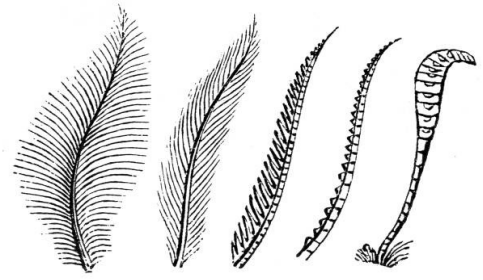
Megaphone
Cardboard
Maracas
Headlight

Contrabass

Milk-steamer
Maracas
Headlight



Moth Molecules



A molecule has landed on one of the feather-shaped antennae.
The moth changes direction, tasting, dancing systematically through the night, searching for the sender.

Now, the moth has arrived.
It starts stroking its wings against its body.
Tiny shells grind against each other, creating a faint whispering sound, the world's quietest love song.
Only those who are closest can hear it.
Come, come.

Kristine Tjøgersen 2023

♩ = 69

Alto Flute

Bass Clarinet in B♭

Percussion

Arturia Micro Freak

Moog opus 3

Violin I

Violin II

Viola

Violoncello

Contrabass

a small and nice sound, like a mouse sniffing around

sandpaper

gently move around
pala bracelet in your hands

bow on damped / muted IV string,
no pitch, air sound only

Lappugle
extreme sultando
very light and fast bow

p *mp*

This music is copyright protected

Moth 5

air with hint of tone

out in tktktk

A. Fl. *mp*

Perc.

Vln. I

Vln. II

Vc.

hexbug in a small bowl with pearls

hexbug in a small singing bowl with pearls

||



A. Fl. *sim.*

Perc.

Vln. I

Vln. II

Vla.

Vc.

take it up

put it in bowl

take it up

put it in bowl

bow on damped / muted IV string, no pitch, air sound only

16 A

A. Fl.

Perc.
maracas
p

Vln. I

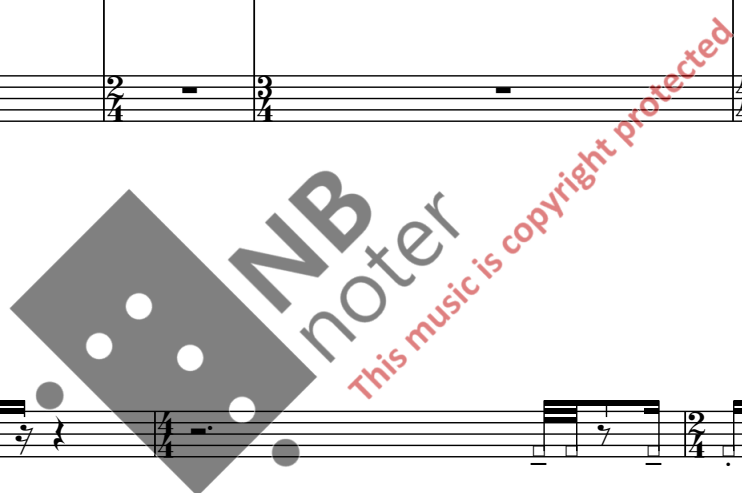
Vln. II

Vla.

Vc.

Cb.

p



21

A. Fl.

Perc.
a small and nice sound,
like a mouse sniffing around
sandpaper

Vln. I

Vln. II

Vla.

Vc.

Cb.

mp

5

25 **B**

A. Fl. *mf*
mouthpiece off
blow flutelike on opening,
C# sounding like C (on instrument)

B. Cl. *mf*
keep c#
key on

Perc. *mf*
hexbug in a small singing bowl with pearls

Moog *mf*
hexbug in a small singing bowl with pearls

Vln. I *p*
blow in megaphone
(imitate flute)
cover front with cardboard
open a little

Vln. II *p*

Vla. *p*

Vc. *p*
blow in megaphone
(imitate flute)
cover front with cardboard
open a little

Cb. *p*
bow on damped/muted IV string,
no pitch, air sound only

The musical score is arranged in a vertical staff system. It includes parts for A. Fl., B. Cl., Perc., Moog, Vln. I, Vln. II, Vla., Vc., and Cb. The score is divided into measures 25, 26, 27, and 28. A section marker 'B' is placed above measure 25. Dynamics include *mf* and *p*. Performance instructions are provided for several instruments, such as 'mouthpiece off' for the flute and 'blow in megaphone' for the violins and viola. A large watermark 'NB noter' is visible across the center of the page, with the text 'This music is copyright protected' written diagonally below it.

30

A. Fl.

B. Cl.

Perc.

Moog

Vln. I

Vln. II

Vla.

Vc.

Cb.

keep c# key on

off

NB noter
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C blow flutelike on opening, sounding like E (on instrument)

B. Cl. *mp* *mf* *mf* *mf* *mp* *p*

Moog

Vla. *p*
vertical bowing, airy sound, damped strings with maracas in right hand

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

Cb.

D

B. Cl.

Perc. maracas (different type) very fast delicate
Moth 3 *p* *mp* *mf* *mp* *p*

Moog

Vln. II *mp* *p* *pp*
blow in megaphone rrrr (soft) sim.

Vla. *p* *mp*
Moth 1 vertical bowing, airy sound, damped strings with maracas in r.h.

Vc. *p* *mp*

Cb. *mp* *mf*

45

A. Fl.

B. Cl.

Perc.

Moog

Vln. I

Vla.

Vc.

mf

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

mp *mf* *f* *mp*

FM

blow in megaphone

rrrr (soft)

sim.

p *mp* *mf* *p*

mf *mp* *p*

keep c# key on

Detailed description of the musical score: The score is for page 45 and consists of seven staves. The A. Fl. staff has a rest in the first measure, followed by a series of eighth notes in the second measure marked *mf*. The B. Cl. staff has a dynamic progression of *f*, *mf*, *mp*, *p*, and *f* across the measures. The Perc. staff has a sequence of notes marked *mp*, *mf*, *f*, and *mp*. The Moog part consists of two staves with a wavy line texture, with 'FM' written above the second staff. The Vln. I staff has a performance instruction 'blow in megaphone' and notes marked *p*, *mp*, *mf*, and *p*, with 'rrrr (soft)' and 'sim.' above. The Vla. staff has a dense sixteenth-note texture marked *mf* and *mp*, with a *p* dynamic in the third measure. The Vc. staff has a simple bass line with a long slur across the first four measures.



49

A. Fl. *mp* *blow flutelike on opening, sounding like E (on instrument)*

B. Cl. *mf* *p* *mp* *mf*

Perc. *mf* *mp* *mf*

Moog FM

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

Vln. II *mp* *bow on muted string, air sound only*

Vla. *delicate hollow, warm sound blend with alto flute*

Vc. *norm.* *p* *mp* *Moth 1 vertical bowing, airy sound, damped strings with maracas in r.h.*

Cb. *mp* *mf*

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53

A. Fl.

B. Cl.

Perc.

Moog

Vln. I

Vla.

Vc.

Cb.

f *mf* *mp* *p*

maraccas

mf *p*

Hexbug off

pp

mp

f *mf* *mp* *p*

F

61

A. Fl.

B. Cl.

Perc.

Vln. I

Vln. II

Vla.

Vc.

Cb.

mp

mf

mp

p

mf

f

Moth 1
vertical bowing,
airy sound,
damped strings
with maracas in r.h.
T≡P

NB
noter
This music is copyright protected

H

65

A. Fl.

B. Cl.

Perc.

Moog

mp

mp

maracas
mf sandpaper

FM

p

H

Vla.

Vc.

Cb.

bow on muted string,
air sound only

hollow, warm sound
blend with alto flute and bass clarinet

mp

f

mf

mp

Moth 5
air with hint of tone

70

A. Fl. *mf* bend

B. Cl. *mp*

Perc.

Vla. *I*

Vc. *mf* MSP

Cb. *p* microtonal difference

The musical score is written for six instruments: A. Fl., B. Cl., Perc., Vla., Vc., and Cb. The piece is in 3/4 time. The A. Fl. part starts at measure 70 with a dynamic of *mf* and includes a 'bend' instruction. The B. Cl. part has a dynamic of *mp*. The Perc. part features a complex rhythmic pattern. The Vla. part is marked with a Roman numeral 'I'. The Vc. part has a dynamic of *mf* and includes the instruction 'MSP'. The Cb. part has a dynamic of *p* and includes the instruction 'microtonal difference'. A large watermark 'NB noter This music is copyright protected' is overlaid on the Perc. and Vc. staves.

74 To B. Fl.

A. Fl. *mp*

B. Cl.

Perc. maracas *mp* sandpaper

Vln. I *mp*

Vln. 2 *mp* Moth 6 one bounce with maracas

Vla.

Cb.

79

B. Cl.

Perc. *mf* *mp*

Vln. I

Vln. 2 *mf* *mp*

Vla.

Cb.

Moth 9
circles with sandpaper

J ♩ = 88

B. Fl. 85 underblow *f* air t to sandpaper *f* *mf*

B. Cl. *f* *mf*

Perc. off *mp*

Moth 9 ocean drum circles

Moth 9
circles with caxixi rattle

Moog *mp*

J ♩ = 88

Vln. I *mf*

Vln. 2 *mf*

Vla. *p* *mf*

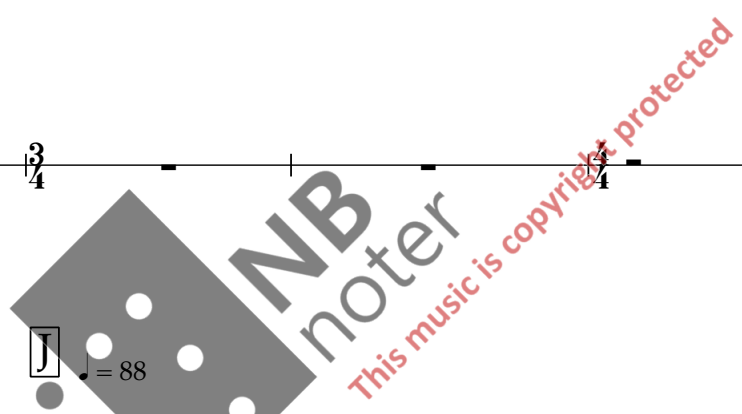
Vc. *mf* *mp*

Cb. *mf*

Moth 7 high bow pressure bow close to finger half crush *gura*

Moth 7 milksteamer on damped string

maracas (very fast)



91

B. Fl. *p* *f* underblow

B. Cl. *mp* *p* *mp*

Perc. *pp*

Moog *pp*

Vln. I *mp* *mf* *mp*

Vln. 2 *pp*

Vla. *mp* *mf* *mp*

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

Cb.

K

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Detailed description: This page of a musical score contains measures 91 through 94. The score is arranged in a grand staff with eight staves. The instruments are: Bass Flute (B. Fl.), Bass Clarinet (B. Cl.), Percussion (Perc.), Moog synthesizer, Violin I (Vln. I), Violin II (Vln. 2), Viola (Vla.), Violoncello (Vc.), and Contrabass (Cb.). Measure 91 starts with a 2/4 time signature. The Bass Flute part features a melodic line with a dynamic of *p* and a slur. The Bass Clarinet part has a dynamic of *mp*. The Percussion part has a dynamic of *pp*. The Moog part has a dynamic of *pp*. The Violin I part has a dynamic of *mp*. The Violin II part has a dynamic of *pp*. The Viola part has a dynamic of *mp*. The Violoncello part has a dynamic of *p*. The Contrabass part has a dynamic of *mp*. Measure 92 continues the melodic lines. Measure 93 features a key signature change to one sharp (F#) and a time signature change to 3/4. The Bass Flute part has a dynamic of *f* and is marked "underblow". The Bass Clarinet part has a dynamic of *p*. The Percussion part has a dynamic of *pp*. The Moog part has a dynamic of *pp*. The Violin I part has a dynamic of *mp*. The Violin II part has a dynamic of *pp*. The Viola part has a dynamic of *mp*. The Violoncello part has a dynamic of *mp*. Measure 94 ends with a 3/4 time signature. The Bass Flute part has a dynamic of *f*. The Bass Clarinet part has a dynamic of *mp*. The Percussion part has a dynamic of *pp*. The Moog part has a dynamic of *pp*. The Violin I part has a dynamic of *mp*. The Violin II part has a dynamic of *pp*. The Viola part has a dynamic of *mp*. The Violoncello part has a dynamic of *mp*. The Contrabass part has a dynamic of *mp*. A key signature change to one sharp (F#) is indicated at the beginning of measure 94. A box containing the letter "K" is located above the Bass Flute staff in measure 94. A watermark "NB noter" and "This music is copyright protected" is overlaid on the score.

95

B. Fl. *air with hint of tone*
ff *t* *f* *underblow*

B. Cl.

Perc. *p* *pp*

Moog

Vln. I *mf*

Vln. II *mf*

Vla. *Moth 7*
high bow pressure
bow close to finger
half crush
mf

Vc. *vibrato* *non vib.*
mp *mf*

Cb. *arco* *vibrato* *non vib.*
mp *mf*

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Moth 9
circles with sandpaper

100

B. Fl. *p* *mp*

B. Cl.

Perc. *p* *mp*

Moog

Vln. I

Vln. II

Vla. *mf* *p* *mf*

Vc.

Cb.

moth 8
milksteamer on
damped string
slow speed (pressure against surface)

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106

To A. Fl. Alto Flute

A. Fl. *ppp*

B. Cl. *mf*

Perc. *ppp* maracas *p mp p*

Moog *mp*

Vln. I *pp p pp* blow in megaphone

Vln. II *p*

Vla. *ppp*

Vc. *p mp*

L = 69

112

A. Fl. *mp*

B. Cl. *mf*

Perc. *mp* *mf* *mp* *p* *mp* *p*

Moog *p*

Vln. I *p* *pp* *p* *pp*

Vln. II *mp* *p*

Vla. *p* *mp*

Vc. *mf* *p* *mp*

Cb. *p* *mp*

delicate
hollow, warm sound
blend with alto flute

MSP

megaphone

microtonal difference

117

M

A. Fl.

B. Cl.

Perc.

Moog

Vln. I

Vln. II

Vla.

Vc.

Cb.

mp

mf

p

maracas

mp

p

pp

p

p

pp

mp

bow on muted string, air sound only

126

A. Fl.

B. Cl.

Perc.

Vln. I

Vln. II

Vla.

Cb.

mp

p

mf

p

mf

130

A. Fl.

Perc.

Vla.

Cb.

to bass flute

mf

mp

mp

mp

N
air
133
t!

B. Fl. *ff*

B. Cl. *f*

Perc.
maracas
f sandpaper

Micro Freak
Preset 32
Chord Bass
f

Moog
f

N

Vln. I *mf*

Vln. II *mf*

Vla. norm. *mf*

Vc. *mf*

Cb. norm. *mf*

136

B. Fl.

B. Cl.

Perc.

Micro Freak

Moog

Vln. I

Vln. II

Vla.

Vc.

Cb.

underblow

f

off

mf

Moth 7
high bow pressure
bow close to finger
half crush


8va

I


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Moth 9

♩ = 88

142  sandpaper

To B. Fl.

Fl.  $\frac{2}{4}$ $\frac{3}{4}$ $\frac{4}{4}$ f p

ocean drum


Moth 9

circles

Perc. $\frac{2}{4}$ $\frac{3}{4}$ $\frac{4}{4}$ mf p mp

Moog

$\frac{2}{4}$ $\frac{3}{4}$ $\frac{4}{4}$ pp

 ♩ = 88
to sandpaper

Vln. II $\frac{2}{4}$ $\frac{3}{4}$ $\frac{4}{4}$ p mf

Vla.

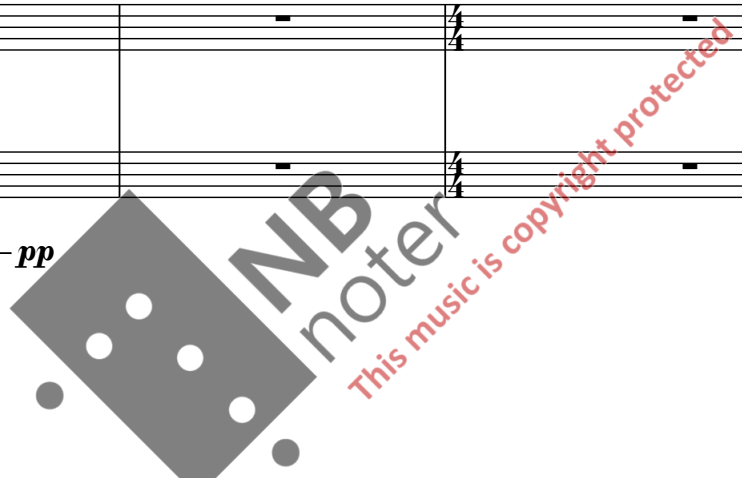
$\frac{2}{4}$ $\frac{3}{4}$ $\frac{4}{4}$ p

Vc.

$\frac{2}{4}$ $\frac{3}{4}$ $\frac{4}{4}$ p MSP

Cb.

$\frac{2}{4}$ $\frac{3}{4}$ $\frac{4}{4}$ p maracas (the one with moth on) mf mp p



147

B. Fl. *f* *mf*

B. Cl. *tr.*

Perc. *pp* *p* *pp*

Moog *mp*

Vln. I *p* *mp*

Vln. II *p* *mp*

Vla. *p* *mp*

Vc. *mp* slow gliss

Cb. *p* *f*

Bass Flute underblow

151 **P**

B. Fl.

very fast trill
norm. trill speed
very fast trill
norm. trill speed
very fast trill

B. Cl.

mf

Perc.

Micro Freak

AMT

10
5
0

Moog

mf

P

Vln. I

mf

Vln. II

mf

Vla.

mf

Vc.

mf

Cb.

mf

NB
noter
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157

put headlight on head
(light is off)

B. Fl.

norm. trill speed

very fast trill

norm. trill speed

very fast trill

norm. trill speed

very fast trill

tr. →

B. Cl.

Perc.

Micro Freak

Moog

Vln. I

Vln. II

Vla.

Vc.

Cb.

NB Proter
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rit. $\text{♩} = 69$

cue: contrabass
contrabass ends

prepare
look to the left

164

B. Fl.

very fast trill

norm. trill speed

tr.

tr.

B. Cl.

mp

put headlight on head
(light is off)

Detailed description: This block contains the musical notation for the B. Fl. and B. Cl. parts. The B. Fl. part features two trill diagrams: one labeled 'very fast trill' and another labeled 'norm. trill speed'. The B. Cl. part includes a dynamic marking of 'mp' and a performance instruction 'put headlight on head (light is off)'. Above the staves, there are cues for the contrabass and a 'prepare look to the left' instruction. A tempo marking of $\text{♩} = 69$ and a 'rit.' marking are also present.

rit. $\text{♩} = 69$

cue: contrabass
contrabass ends

prepare
look to the left

Moog

Vln. I

Vln. II

Vla.

Vc.

Cb.

put headlight on head
(light is off)

Detailed description: This block contains the musical notation for the Moog, Vln. I, Vln. II, Vla., Vc., and Cb. parts. The Moog part consists of a sustained, oscillating sound. The string parts (Vln. I, Vln. II, Vla., Vc., and Cb.) have cues for the contrabass and a 'prepare look to the left' instruction. A performance instruction 'put headlight on head (light is off)' is located at the bottom right. A tempo marking of $\text{♩} = 69$ and a 'rit.' marking are also present.

turn on headlight facing left turn head slowly to the right head facing right turn off headlight facing right

168

Fl.

Cl.

Moog

Vln. I

Vln. II

Vlc.

Cb.

turn on headlight facing left turn head slowly to the right head facing right turn off headlight facing right

prepare look to the left

turn on headlight facing left turn head slowly to the right head facing right turn off headlight facing right

prepare look to the left

turn on headlight facing left turn head slowly to the right

prepare look to the left

turn on headlight facing left turn head slowly to the right

The image shows a musical score for a rehearsal mark starting at measure 168. The score is arranged in a system with staves for Flute (Fl.), Clarinet (Cl.), Moog, Violin I (Vln. I), Violin II (Vln. II), Viola (Vlc.), and Cello (Cb.). The Flute and Clarinet parts have musical notation with stems and beams. The Moog part consists of a series of overlapping loops. The Violin I and II parts have musical notation with stems and beams. The Viola and Cello parts have musical notation with stems and beams. Above the Flute and Clarinet staves, there are diagrams of a human head in profile, showing the direction of the headlight and the head's movement. The diagrams are labeled with instructions such as 'turn on headlight facing left', 'turn head slowly to the right', 'head facing right', and 'turn off headlight facing right'. The Moog part is a series of overlapping loops. The Violin I and II parts have musical notation with stems and beams. The Viola and Cello parts have musical notation with stems and beams. A large watermark 'NB noter' is present across the center of the page, with the text 'This music is copyright protected' written in red below it.

178 **FM OFF** **ORGAN ON** play with 1', 2', 4' and TONE 0-10 play around

Moog

Violoncello

Vc.

Cb.

pitch wheel up and down sometimes

182 **R** a drink will be served to the audience, play as long as needed

milksteamer on table ad lib.

leave irregular breaks, long and short

continue with Beyond Violet

Perc.

add Arturia MicroFreak

ArturiaMicroFreak

Preset 33
Organism
- 2 oct

Moog

milksteamer on viola ad lib.

I + II = open strings

leave irregular breaks, long and short

Vla.

Vc.

Cb.