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EDITION Preview score Jupiter Moons 1 4 pieces for solo piano (2012) ALEYEDITIO

Duration: c. 20 minutes

Performance Note

The four pieces (Io, Europa, Ganymede and Callisto) presented in this work for solo piano are to be performed in the given order. There should be a definite break between each piece.

Given the stipulated dynamic marking of pianissimo, the overall soundworld should be delicately restrained throughout. Bar lines and beats never mean accentuation.

The onset and termination of each note is to be played with equal weighted attacks even though there will be the inevitable decay. N.B. *Io*, the left-hand occasionally the right-hand occasionally HALEY EDITION - preview score HALEY EDITION PRIME SON HALEYEDITION the right-hand e.g., measures 13-14, and measure 81. This is intentional. HALEYEDITION

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Programme Note

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Jupiter Moons 1 is a cycle of four – five minutes – pieces for solo piano whereas Jupiter Moons 2 amasses 46 short pieces for solo piano, each less than one minute in duration. In both works – comparable to two earlier works for solo piano: *10 Miniatures* (2006), and *Enigma* (2002) – my intention was to create study pieces using the four subtitles as a resource for encrypting both pitch class and rhythmic models into the very fabric of their musical forms.

As of date, there are fifty named moons orbiting Jupiter the largest planet in our solar system. The four pieces in this work (*Io, Ganymede, Europa* and *Callisto*) are named after the largest moons, more commonly identified as the Galilean moons first discovered by Galileo Galilei, January 1610. Three of the moons influence one another in a tug-of-war. Every time Ganymede orbits Jupiter once, Europa has two orbits and Io four orbits. Although distinctive biospheres all three keep the same face towards Jupiter as each moon turns once on its axis for every orbit around Jupiter.

The orbital motions of the four Galilean moons inspire the music presented here. In keeping with my aesthetic of generating recursive structures, rhythmic models are treated to cyclical process in these deliberately understated pieces. Whilst the initial pitch-class is predetermined, I chose, with the exception of *Io*, to filter the pitch material through modes, using only a single point of orientation in each piece.

Io – the volcanic moon rotates in an irregular elliptical orbit moving in widely varying distances around Jupiter. The music is limited to the push and pull of just two rhythmic models: 2 crotchet beats (right-hand) superimpose 3 minim beats (left-hand). For me, the name Io encodes only two pitches: A & B transposed as a whole tone scale thus enabling an extended pitch class: A B C# D# F G. There are two points of orientation in *Io*, pitch A in the left hand and pitch B in the right hand.

Ganymede – as the largest moon in our solar system (larger than the planet Mercury and Pluto) the core is of metallic iron and that generates a magnetic field. In this piece the cyclical motion of predetermined rhythmic models underpins the cyclical motion of its pitch class and that is treated to octave displacement. *Ganymede* (encrypted) generates five modes, using G as the single point of orientation.

Europa – is slightly smaller than the Earth's Moon. This moon orbits Jupiter every 3.5 days, yet bizarrely is moving in an oval rather than a circular pattern. Placement of rhythmic models underpins repetitive tetra-chords created from its pitch class. *Europa* (encrypted) generates five modes, using pitch E as a single point of orientation.

Callisto – is the outermost of the Galilean moons and orbits way beyond Jupiter's main radiation belts. For me this suggests a distant, almost motionless soundworld – as though viewing Callisto for a longer time period we are able to absorb more of its surface form on each rotation – so the recursive material in this piece is therefore gradually lengthened. *Callisto* (encrypted) generates five modes, using pitch C as single point of orientation.

Jupiter Moons 1 4 pieces for solo piano

MARGARET HALEY

Io

Distant, understated (\downarrow = 60) Always arpeggiate right hand chords (as shown in measure 1)



 \mathfrak{Ped} . Depress sustain pedal and hold throughout









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Ganymede



<∕∼ 4



 \mathfrak{Ped} Depress sustain pedal and hold throughout









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Europa

Distant, understated (\downarrow = 92)



 \mathfrak{Ped} . Depress sustain pedal and hold throughout



















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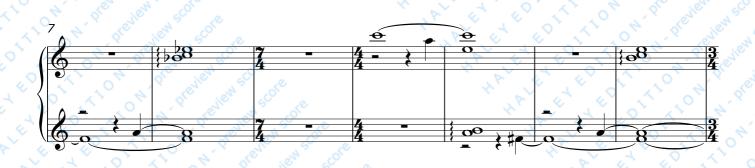




Callisto

Delicately sustained (J = 72)









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Jupiter Moons 1 4 pieces for solo piano





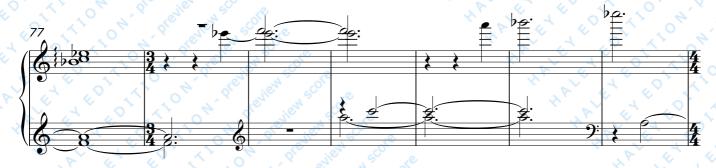
















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