THE ART OF THINKING CLEARLY
for piano


September 2017
I hereby declare that this portfolio of compositions has not been and will not be submitted, in whole or in part, to another University for the award of any other degree.

Signed:
The Art of Thinking Clearly

Notes

1. Where a sharp or flat occurs more than once within a bar, the accidental sign is given again, for clarification, except where the note or chord in question repeats the note or chord immediately preceding it, within the same voice, within the same beam, with no other notes added or removed.

2. This work takes its title from Rolf Dobelli’s *The Art of Thinking Clearly* (2013), a book about common cognitive biases and errors. The titles of the various sections of the score refer to chapters of the book. They appear in the following order:

   Chapter 9  Authority Bias: Don’t Bow to Authority
   Chapter 3  Why You See Shapes in the Clouds
   Chapter 61 The Law of Small Numbers
   Chapter 47 Do Not Marvel at Your Own Existence
   Chapter 33 Social Loafing
   Chapter 97 The Stone-Age Hunt for Scapegoats
   Chapter 64 How to Expose a Charlatan
   Chapter 25 The Calamity of Conformity: Groupthink
   Chapter 96 Drawing the Bull’s-Eye Around the Arrow
   Chapter 73 Why First Impressions Deceive

Duration

10'10” at the tempi indicated.
9. Authority Bias: Don't Bow to Authority

NB: Dynamics serve as general guidelines only. The performer is free to change them.

\[ \text{\textit{Ossia: (smaller hand span)}} \]

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\[ \dot{\text{c}} = 112 \]

Tempo primo

\[ \dot{\text{c}} = 144 \]

Tempo secondo

Ossia: (smaller hand span)
3. Why You See Shapes in the Clouds
61. The Law of Small Numbers

bring out the ascending scale (m.d.)
Ossia: (smaller hand span)

poco accel.

\( \frac{q}{j} = 150 \)

a tempo

\( \frac{q}{j} = \frac{q}{j} \)

Ossia: (smaller hand span)
47. Do Not Marvel at Your Own Existence

$\downarrow = 104$

meno mosso

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Ossia: (smaller hand span)

*G# in right hand: ppp.
All other notes: p.
33. Social Loafing

\[ \text{Tempo} = 104 \text{  meno mosso} \]
97. The Stone-Age Hunt for Scapegoats

$\frac{4}{4} = 104 \ (\frac{3}{4} = 156)\ (\cdot = \frac{4}{4})$

*Ossia: (smaller hand span)*

207

212

\[ \text{mf} \]
64. How to Expose a Charlatan

\( \frac{3}{4} = 144 \quad (\frac{3}{4} = 108) \)

(fractionally slower than \( \frac{3}{4} = \frac{3}{2} \))
25. The Calamity of Conformity: Groupthink
96. Drawing the Bull's Eye Around the Arrow
(still \( \frac{j}{4} = 100 \), \( \frac{j}{4} = 150 \))
73. Why First Impressions Deceive