University of Huddersfield Repository

Jan, Steven

From holism to compositionality: memes and the evolution of segmentation, syntax, and signification in music and language

Original Citation

Jan, Steven (2015) From holism to compositionality: memes and the evolution of segmentation, syntax, and signification in music and language. Language and Cognition. ISSN 1866-9808

This version is available at http://eprints.hud.ac.uk/23707/

The University Repository is a digital collection of the research output of the University, available on Open Access. Copyright and Moral Rights for the items on this site are retained by the individual author and/or other copyright owners. Users may access full items free of charge; copies of full text items generally can be reproduced, displayed or performed and given to third parties in any format or medium for personal research or study, educational or not-for-profit purposes without prior permission or charge, provided:

- The authors, title and full bibliographic details is credited in any copy;
- A hyperlink and/or URL is included for the original metadata page; and
- The content is not changed in any way.

For more information, including our policy and submission procedure, please contact the Repository Team at: E.mailbox@hud.ac.uk.

http://eprints.hud.ac.uk/
Figure 2: The Memetic-Semiotic Nexus of an *m-l* Music-Language M(us)emeplex

<table>
<thead>
<tr>
<th>Memotype</th>
<th>Phenotype</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music</td>
<td>Language</td>
</tr>
<tr>
<td></td>
<td>Music</td>
</tr>
</tbody>
</table>

### i) Level-One (horizontal) and Level-Two (vertical) Semiosis

#### a) Level-Two Signifiers

<table>
<thead>
<tr>
<th>Memotype</th>
<th>Phenotype</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Music</td>
</tr>
<tr>
<td></td>
<td>Language</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Museme**
  - *m* (sound image of *m*)
  - **Grapheme**
    - *G*m (codes for notation of *m*)
  - **Lexeme**
    - *l* (sound image of *l*)
  - **Grapheme**
    - *G*l (codes for notation of *l*)
- **Museme Product**
  - *m* (sung sound of *m*)
  - **Grapheme**
    - *G*m (notation of *m*)
  - **Lexeme Product**
    - *l* (spoken sound of *l*)
    - **Grapheme**
      - *G*l (notation of *l*)

#### b) Level-Two Signifieds

<table>
<thead>
<tr>
<th>Memotype</th>
<th>Phenotype</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Music</td>
</tr>
<tr>
<td></td>
<td>Language</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Interpretant-Lexemeplex**
  - *l* (codes for *l*-mediating lexemes)
- **Interpretant Lexemeplex Products**
  - *l* (spoken and written expression of *l*-mediating lexemes)

### ii) Level-Three (diagonal) Semiosis

#### a) Signifiers

<table>
<thead>
<tr>
<th>Memotype</th>
<th>Phenotype</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Museme**
  - *m* (sound image of *m*)
- **Lexeme**
  - *l* (sound image of *l*)
- **Interpretant-Lexemeplex**
  - *l* (codes for *l*-mediating lexemes)
- **Interpretant Lexemeplex Products**
  - *l* (spoken and written expression of *l*-mediating lexemes)

#### b) Signifieds

<table>
<thead>
<tr>
<th>Memotype</th>
<th>Phenotype</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Museme**
  - *m* (sound image of *m*)
- **Lexeme**
  - *l* (sound image of *l*)