LINGUISTIC CREATIVITY  
AND  
MENTAL REPRESENTATION  
WITH REFERENCE TO  
INTERCATEGORIAL POLYSEMY  

by  

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PROMOTER: PROF AP HENDRIKSE  
30 NOVEMBER 2005
I declare that *LINGUISTIC CREATIVITY AND MENTAL REPRESENTATION WITH REFERENCE TO INTERCATEGORIAL POLYSEMY* is my own work and that all the sources that I have used or quoted have been indicated and acknowledged by means of complete references.

SIGNATURE       DATE: November 2005
(B.E. Zawada)
It is the creative potential itself in human beings that is the image of God.
Mary Daly (Theologian) (in Cameron 1995)

Why indeed must ‘God’ be a noun? Why not a verb … the most active and dynamic of all?
Mary Daly (Theologian) (in Cameron 1995)
Acknowledgements

Completing a doctoral thesis is certainly the end of the formal educational road, and at a time like this one inevitably contemplates, not only the preceding few years, but the educational road as a whole. The one thing that stands out for me is that, from a very young age, I have been extraordinarily blessed with language teachers, lecturers and colleagues that have instilled in me both an appreciation of the beauty and creativity in language, as well as an appreciation of the discipline and structure in language. This thesis, and the topics covered in it, is a reflection of my fascination with this paradox between beauty and structure, and between creativity and discipline. The last in this long line of teachers has been Prof. Hendrikse who has practised the idea that to mentor means, finally, to allow your students their own creative ideas.

Absences and absent-mindedness from the home front is an inevitable consequence of the work done here. I thank my family and friends, particularly Jacek and Adam, for their patience, encouragement and support.
CONTENT

Abstract viii

1. Introduction 1
1.1 Linguistic creativity 2
1.2 The mental representation of lexical knowledge as a linguistic problem 3
1.3 Intercategorial polysemy as a test case for theoretical models of linguistic creativity 7
1.4 The structure of the thesis 9

2. Linguistic creativity in the 20th century 11
2.1 Creativity as an essential trait of human beings 13
2.2 Generative creativity 19
2.3 Lexical creativity 26
2.4 What kind of problem is linguistic creativity? 28
2.5 Conclusion 31

3. A new perspective on linguistic creativity 33
3.1 The scope of linguistic creativity 34
3.1.1 Motivations for and functions of creativity 39
3.1.2 The time frames and context of linguistic creativity 44
3.2 A survey of linguistic creativity 49
3.2.1 Lexis 50
3.2.2 Grammar 64
3.2.3 Discourse 69
3.3 Conclusion 75

4. Approaches to meaning and mental representation 82
4.1 Approaches to lexical meaning 83
4.1.1 The lexicographical approach 85
4.1.2 The referential approach 88
4.1.3 The structuralist approach 91
4.1.4 The behaviouristic approach 93
4.1.5 The functional-pragmatic approach 94
4.1.6 The logical approach 95
4.1.7 The psychologist approach 96
4.1.8 The computational approach 100
4.1.9 The neuro- and biological approaches 102
4.1.10 Summary 104
4.2 What is a mental representation? 108
4.2.1 Concepts and mental representations in the various approaches 108
4.2.2 Is the notion of a mental representation justifiable? 111
4.3 Conclusion 116

5. (Intercategorial) Polysemy in English 118
5.1 Defining (intercategorial) polysemy 119
5.2 The mental representation of polysemy 138
5.3 Creative intercategorial polysemy 142
5.4 Theoretical models of (intercategorial) polysemy 147
5.4.1 The representational-derivational model 149
5.4.2 The network-activation model 157
5.5 Conclusion 163

6. Conceptual integration 166
6.1 The mechanisms of conceptual integration 166
6.1.1 Activating mental spaces 171
6.1.2 Matching elements in the mental spaces 176
6.1.3 Running the blend 180
6.2 Intercategorial polysemy as blending 184
6.2.1 Literal N−V 189
6.2.2 Metaphorical and metonymical N−V 207
6.2.3 A−N−V 210
6.3 Conclusion 214

7. Linguistic creativity and mental representation 217

References 229

List of tables
Table 3.1 Productive word-formation processes 50
Table 3.2 Word-creation strategies 52
Table 5.1 Examples of creative intercategorial polysemy 144

List of figures
Fig. 3.1 More productive word-formation rules vs less-productive word-creation strategies 54
Fig. 3.2 A continuum of linguistic creativity 79
Fig. 4.1 The semiotic triangle 84
Fig. 5.1 The proposed continuum of semantic classes 126
Fig. 5.2 Radial network of the senses of school 130
<table>
<thead>
<tr>
<th>Fig.</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.3</td>
<td>A new continuum of polysemous phenomena in language</td>
<td>137</td>
</tr>
<tr>
<td>5.4</td>
<td>A diagrammatic representation of the representational-derivational model</td>
<td>155</td>
</tr>
<tr>
<td>5.5</td>
<td>A diagrammatic representation of the network-activation model</td>
<td>159</td>
</tr>
<tr>
<td>6.1</td>
<td><em>The child is safe</em></td>
<td>175</td>
</tr>
<tr>
<td>6.2</td>
<td><em>The beach is safe</em></td>
<td>176</td>
</tr>
<tr>
<td>6.3</td>
<td><em>He porched the newspaper</em></td>
<td>192</td>
</tr>
<tr>
<td>6.4</td>
<td><em>He skied it!</em></td>
<td>192</td>
</tr>
<tr>
<td>6.5</td>
<td><em>She ladled the soup into the bowl</em></td>
<td>196</td>
</tr>
<tr>
<td>6.6</td>
<td><em>The ship sails</em></td>
<td>197</td>
</tr>
<tr>
<td>6.7</td>
<td><em>She sliced the apples</em></td>
<td>199</td>
</tr>
<tr>
<td>6.8</td>
<td><em>My arm aches</em></td>
<td>200</td>
</tr>
<tr>
<td>6.9</td>
<td><em>She models swimwear</em></td>
<td>202</td>
</tr>
<tr>
<td>6.10</td>
<td><em>He dated that girl</em></td>
<td>203</td>
</tr>
<tr>
<td>6.11</td>
<td><em>My love</em></td>
<td>205</td>
</tr>
<tr>
<td>6.12</td>
<td><em>He fathered three children</em></td>
<td>206</td>
</tr>
<tr>
<td>6.13</td>
<td>Metaphorical N–V network</td>
<td>208</td>
</tr>
<tr>
<td>6.14</td>
<td>Metonymical N–V network</td>
<td>210</td>
</tr>
<tr>
<td>6.15</td>
<td>A–N–V integration network</td>
<td>212</td>
</tr>
</tbody>
</table>
In this thesis, the phenomenon of intercategorial polysemy is approached from two related but previously unconnected perspectives, namely that of linguistic creativity and mental representation. It is argued that the creativity that is part and parcel of the linguistic abilities of each and every human being, has been neglected in the study of linguistics, and should, in fact, form the basis of studies such as these in cognitive lexical creativity. It is argued that structural productivity (the generative view of linguistic creativity) and conceptual creativity lie on a continuum, the middle ground of which is covered by phenomena which are both productive and creative and which have both a formal and a semantic aspect to them. One such a phenomenon is intercategorial polysemy. Explaining the way in which speakers of a language such as English can systematically and productively produce and interpret words that belong to more than one syntactic category (for example, hammer_N – hammer_V, table_N – table_V, sky_N – sky_V), which may range from the conventionalised to the completely innovative, has long been a problem for linguists. Traditional morphological accounts involving theoretical notions such as zero derivation have always been found to be inadequate, mostly because zero derivation does not account for the variation in meaning and the background knowledge that is needed to produce and interpret novel instances. The main problem addressed in this thesis then is the question as to the nature of the lexical knowledge of speakers and its mental representation, so that it can form the basis for the cognitive processes that will enable language users to be linguistically creative. Various theoretical models that have been proposed to account for intercategorial polysemy, namely the representational-derivational model, the network-activation model, as well as the theory of conceptual integration (also called blending), are presented and evaluated in the light of a representative sample of completely novel instances of intercategorial polysemy.

Key terms: creativity, linguistic creativity, mental representation, polysemy, intercategorial polysemy, conversion, multifunctionality, zero derivation, activation, network activation, mental space, conceptual integration, blending
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Abstract

Explaining the way in which speakers of a language such as English can systematically and productively produce and interpret words that belong to more than one syntactic category (for example, $\text{hammer}_N - \text{hammer}_V$, $\text{table}_N - \text{table}_V$, $\text{sky}_N - \text{sky}_V$), which range in their status from the conventionalised to the completely innovative, has long been a problem for linguists. Traditional morphological accounts of zero derivation have always been found to be inadequate, mostly because zero derivation does not account for the variation in meaning and the background knowledge that is needed to produce and interpret novel instances. With the advent of Cognitive Linguistics an attempt was made by Zawada (1996) to explain intercategorial polysemy by using a network activation model. Even though this model could account for the background knowledge involved in interpreting novel instances of intercategorial polysemy, it could still not account for the production of completely new examples of this phenomenon.

In this thesis, the phenomenon of intercategorial polysemy is approached from two related but previously unconnected perspectives, namely that of linguistic creativity and mental representation. It is argued that the creativity that is part and parcel of the linguistic abilities of each and every human being, has long been neglected in the study of linguistics, and should, in fact, form the background of studies such as these in lexical creativity. The main problem to be addressed then is the question as to the nature of the lexical knowledge of speakers and its mental representation, so that it can form the basis for the cognitive processes that will enable them to be linguistically creative. This study has found that linguistic knowledge in general, and lexical knowledge in particular, cannot be regarded as a fixed and static separate module from general knowledge, but rather, linguistic knowledge is closely intertwined with all the other cognitive faculties (including general, individual, cultural and experiential knowledge). The mental lexicon is not a separate cognitive or linguistic module that consists of a set of the words that a speaker knows, with their respective meanings and categories linked to them (as in conventional dictionaries); rather the mental lexicon, as a set of lexical entries consisting of a specification of the meaning(s) of the concepts and their respective category labels, is a derived phenomenon which is the result of an intricate interplay
between various types of knowledge, represented in frames and cognitive models, and various cognitive processes such as conceptual integration, metaphor, metonymy, categorisation, perspectivisation, etc.

**Key terms:** creativity, linguistic creativity, mental representation, polysemy, intercategorial polysemy, conversion, multifunctionality, zero derivation, activation, mental space, conceptual integration, blending