

Szymon Wróbel

Grammar and Glamour of Cooperation

Lectures on the Philosophy of Mind,
Language and Action

Table of Contents

Introduction: Between Criticism and Defence of a Computational Reason	9
1. Glamour	9
2. Logos, Verbum, Concept	11
3. Thresholds.....	13
4. Architecture	16
5. Evolutionary Explanation	18
6. Generativity	19
7. Beyond Modularity	21
8. Tacit Functions of Mind.....	22
9. Non-Formal Grammar	26
10. Mind, Grammar, and Evolution	30
Part One: <i>Grammar</i>	37
I. What are Rules of Grammar? The view from the Psychological and Linguistic Perspective.....	39
1. Syntactocentric View of Language and Beyond.....	39
1.1. Syntax	44
1.2. Competence	46
2. Basic Assumptions.....	52
3. On the Relations Between Levels of Linguistic Description.....	53
3.1. The Relation Between Syntax and Semantics	53
3.2. The Relation Between Lexical and Encyclopaedic Meanings, Semantics and Pragmatics.....	55
4. Criteria for the Characterization of Meaning.....	56
4.1. Conditional Criteria	56
4.2. Operational Criteria	59
5. What Are Rules of Grammar?	60
6. Conclusions.....	62
II. Rethinking Language Faculty. Has Language Evolved for Other than Language Related Reasons?.....	65
1. Language, Language Faculty, Language Faculty in Narrow Sense.....	65

2. Two Kinds of Similarity: Analogous and Homologous	71
3. Evolution, Natural Selection and Adaptations	78
III. The Concept of Linguistic Intelligence and Beyond	81
1. Introduction	81
2. The Idea of Multiple Intelligences	85
3. The Nature of Linguistic Intelligence	87
4. Dissociations Between Language and General Intelligence	90
5. Conclusion and Implications for Education	93
IV. Language and its Doppelgängers.....	97
1. Initial Distinction.....	97
2. What is Language for?	100
3. In Vain Search of Recursion in the Living World	102
4. The Decomposition of Language	105
5. Language and Beyond.....	110
Part Two: <i>Cooperation</i>	113
I. The Evolution of the Disposition for Cooperative Behaviour	
Versus Symbolic Communication. The Case of Peter Gärdenfors	115
1. The Evolutionary Explanation of the Existence of Language.....	115
2. Cues and Detached Representations	117
3. Anticipatory Planning	119
4. Signals and Symbols	122
5. Cooperation and Communication by Symbols.....	124
6. The Logic of the Evolution of Language	126
7. The Evolution of Referential Expressions	128
7.1. Names	129
7.2. Nouns	131
7.3. Adjectives	133
8. The Origin of a Detached Man	136
9. Conclusions: Language and Cooperation.....	140
II. Boundary of Modularity. The Case of a Faculty	
of Social Cognition.....	145
1. Problem	145
2. From Spatial Representation to	
Representation of Persons?	146
3. The Autonomy of a Faculty of Social Cognition	151
4. The Structure of a Social Cognition Faculty	153

5. Input-Output versus Central Modules	155
6. Arguments Against Modular Structure of Concepts and Attempts to Refute Them.....	158
7. Evolutionary Development of Modular Conceptual Structure.....	160
8. Modules of a Conceptual Structure. The Auditory Processor	164
9. Multiple Inputs and Outputs on the Same “Blackboard”	167
10. Modules, Mental Organs, Cognitive Faculties	169
11. Vertical and Horizontal Psychology	171
12. Structure and Principles Governing Architectural Design.....	173
13. Conclusions	175
 III. The Problem of a Moral Faculty: Marc D. Hauser’s Specific Approach to the Functioning of Moral Grammar.....	179
1. First Intuitions	179
2. Moral Organ	182
3. Modelling: From Perception to Reaction	189
4. Argumentation	197
4.1. Experiments.....	197
4.2. Moral Dilemmas.....	200
4.3. Developmental Psychology Tests.....	205
4.4. Animal Behaviour Studies.....	208
5. Conclusions	212
 IV. Risk and Cooperation. Uncertainty about the Behaviour of Others	215
1. Risk.....	215
2. Decisions	219
3. Zero-sum Game	220
4. The Prisoner’s Dilemma.....	222
5. The Logic of Cheating.....	223
6. Hypotheses	226
 References.....	229
Index	245