

Contents

1 A programme of general semantics	1
1.1 The programme in outline.....	1
1.1.1 Semantic schemas.....	15
1.2 The top-down vs. bottom-up approach to logical semantics.....	23
1.2.1 The bottom-up approach.....	23
1.2.2 The top-down approach.....	35
1.3 Foundations of TIL.....	37
1.3.1 Functional approach.....	37
1.3.2 Constructions and types.....	42
1.4 Possible-world intensions vs. extensions.....	56
1.4.1 Epistemic framework.....	56
1.4.2 Intensions and extensions.....	61
1.4.2.1 Classification of empirical properties.....	64
1.4.2.2 The part-whole relation.....	72
1.4.2.3 The top-down approach to semantics revisited.....	77
1.4.3 Logical objects.....	84
1.5 Constructions as structured meanings.....	95
1.5.1 Structured meanings.....	95
1.5.1.1 Analytic vs. logical.....	103
1.5.2 Supposition <i>de dicto</i> and <i>de re</i> vs. reference shift.....	110
1.5.2.1 Two principles <i>de re</i>	118
1.5.2.2 Interplay between <i>de dicto</i> and <i>de re</i>	125
1.5.3 Important entities and notational conventions: summary.....	131
2 Foundations of semantic analysis	133
2.1 A logical method of semantic analysis.....	133
2.1.1 The Parmenides principle.....	133
2.1.2 The compositionality constraint.....	137
2.1.3 Better and worse analyses.....	141
2.2 Concepts as procedural meanings.....	148
2.2.1 Concepts and synonymy.....	148
2.2.2 Concepts and definitions.....	163
2.2.2.1 Ontological definition.....	163
2.2.2.2 Equational verbal definition.....	164
2.2.3 Conceptual system.....	166
2.3 Empirical and mathematical existence.....	170
2.3.1 Existence and extensions.....	171
2.3.2 Existence and intensions.....	174
2.4 Explicit intensionalization and temporalization.....	178
2.4.1 Anti-actualism.....	178
2.4.2 Predication as functional application.....	190
2.4.3 Montague's implicit intensionalization.....	200

2.5 Modal and temporal interplay	205
2.5.1 Supposition <i>de dicto</i> with respect to temporal parameters	207
2.5.2 Tenses and truth-conditions.....	212
2.5.2.1 Simple past	215
2.5.2.2 Present perfect	221
2.5.2.3 Temporal <i>de dicto</i> vs. <i>de re</i>	223
2.5.2.4 Future tenses	226
2.6 Three kinds of context	228
2.6.1 Using and mentioning constructions	234
2.6.2 Intensional and extensional occurrence of constituents.....	243
2.7 TIL as a hyperintensional, partial, typed lambda-calculus	260
2.7.1 Substitution and Leibniz's Law.....	272
3 Singular reference and pragmatically incomplete meaning	279
3.1 Definite descriptions	279
3.2 Proper names	284
3.2.1 Mathematical constants	288
3.3 Identities involving descriptions and names	296
3.3.1 Hesperus is Phosphorus: co-occupation of individual offices	301
3.4 Pragmatically incomplete meanings	311
3.4.1 Indexicals	314
3.4.2 Indefinite descriptions	319
3.5 Anaphora and meaning	323
3.5.1 Semantic pre-processing of anaphora.....	325
3.5.2 Donkey sentences.....	336
3.5.3 Dynamic discourse	346
3.6 Questions and answers.....	351
4 Requisites: the logic of intensions	359
4.1 Requisites defined.....	360
4.2 Intensional essentialism	367
4.2.1 Quine's mathematical cyclist	384
4.3 Requisites and substitution in simple sentences	385
4.4 Property modification and pseudo-detachment.....	395
4.4.1 Malfunction: subsective vs. privative modification	406
4.5 Nomological necessity	411
4.6 Counterfactuals	414
5 Attitudes and information	421
5.1 Propositional attitudes	425
5.1.1 Three puzzles and a non-puzzle	427
5.1.2 Propositional attitudes <i>de dicto</i> vs. <i>de re</i>	433
5.1.2.1 Intensional propositional attitudes <i>de dicto</i> and <i>de re</i>	436

5.1.2.2 Hyperintensional propositional attitudes <i>de dicto</i> and <i>de re</i>	441
5.1.2.3 Summary of attitudes	447
5.1.3 Inconsistent belief.....	451
5.1.4 Knowing whether	453
5.1.5 Epistemic closure and inferable knowledge	458
5.1.6 Factivity and epistemic shift.....	469
5.2 Notional attitudes.....	471
5.2.1 Wishing and wanting to.....	475
5.2.2 Seeking, finding and looking for	485
5.3 Quantifying in.....	495
5.4 Information and inference.....	506
5.4.1 Empirical semantic information and ‘the scandal of deduction’	511
5.4.2 Empirical content of sentences	515
5.4.3 Analytical content of sentences	516
5.4.4 Information content of analytically equivalent sentences.....	521
5.4.5 The Information value of a valid argument	527
5.4.5.1 The paradox of inference	527
Bibliography.....	529
Name Index	541
Subject Index	545