

Contents

<i>Acknowledgements</i>	page vii
<i>Glossary</i>	ix
<i>List of Abbreviations</i>	xi
<i>Texts and Authors</i>	xiii
<i>The Sanskrit Transcription System</i>	xviii
1 Introduction	1
1.1 Who Was Pāṇini?	3
1.2 Pāṇini's Influence on Modern Linguistics	5
1.3 The Ancient Indian Linguistic Tradition	9
1.4 The Linguistic Sign and the Notion of <i>Sphoṭa</i>	24
1.5 Conclusion	31
2 The Aṣṭādhyāyī at Work	32
2.1 Overview of the Grammar	32
2.2 A Sentence Derivation	41
2.3 Conclusion	54
3 Rule Interaction	55
3.1 Rule Interaction in the Aṣṭādhyāyī	55
3.2 Rule Interaction in Modern Linguistics	66
3.3 Declarative Rule Systems in the Indian Tradition	75
3.4 Conclusion	76
4 Morphological Systems	78
4.1 Morphology in the Aṣṭādhyāyī	78
4.2 Morpheme-Based vs. Word-Based Morphology	88
4.3 Where Does the Aṣṭādhyāyī Fit?	95
4.4 Conclusion	106

vi	Contents	
5	Syntax: Argument Structure	107
5.1	Argument Structure in the <i>Aṣṭādhyāyī</i>	108
5.2	Argument Structure and the Passive in Modern Linguistics	117
5.3	Subjecthood	129
5.4	Conclusion	136
6	Formal Language Theory and Computational Power	137
6.1	Use and Mention	137
6.2	<i>Anubandhas</i> , Metalinguistic Variables, and BNF	144
6.3	Generative Power	148
6.4	The <i>Aṣṭādhyāyī</i> as a Formal System	153
6.5	Revisiting Pāṇini's Power	156
6.6	Revisiting the Constraint	157
6.7	Conclusion	163
7	Semantics and Pragmatics: Compositionality and the Relation between Grammar and Meaning	165
7.1	Grammar, Meaning, and the Sentence	166
7.2	Compositionality	169
7.3	Compositionality in the Indian Tradition	180
7.4	Conclusion	186
8	Phonology: Phonemes and Writing Systems	188
8.1	The <i>Prātiśākhya</i> s: Phonological Analysis in the Indian Tradition	188
8.2	Segments and Phonemes in the Modern Western Tradition	194
8.3	Segmentalism in the Indian Tradition	201
8.4	Writing in Ancient India	208
8.5	Conclusion	211
9	Conclusion	213
	<i>References</i>	216
	<i>Subject Index</i>	240
	<i>Author Index</i>	246
	<i>Index Locorum</i>	250
	<i>Word Index</i>	254