Contents

1	Introduction				
	1.1	Summary	24		
2	Epistemology: Knowledge and truth		25		
	2.1	The theory of knowledge or epistemology: knowledge of knowing	25		
	2.2	Experience	30		
	2.3	Thinking as a fact of experience	36		
	2.4	Objective empirical knowledge	41		
	2.5	Science and reality	52		
	2.6	Objective ontological idealism	56		
	2.7	Summary	60		
3	Science and ontological idealism in physics and chemistry 61				
	3.1	Empirical ontological idealism instead of reductionism	61		
	3.2	Spirit in matter	78		
	3.3	Emergence, self-organisation and causality in physics, chemistry and biochemistry	80		
	3.4	Summary	96		
4	Onto	ological idealism in biology	99		
	4.1	Chemical explanation of life? Genes, genetic information and proteins	99		
	4.2	Gene regulation. From a static to a dynamic concept of the gene	105		
	4.3	Self-organisation and causality in biology and Goethe's archetype	109		
	4.4	Organism or mechanism?	115		
	4.5	Typus and morphogenesis	119		

	4.6	Organic versus inorganic cognition
	4.7	Morphogenetic fields or morphogenetic substances?129
	4.8	Causality and systems biology143
	4.9	Biology beyond vitalism and mechanism14
	4.10	Reflections on the thermodynamics of organic processes150
	4.11	Life versus death: physical and etheric organisation153
	4.12	Summary163
5		obiology, psychology and philosophy of mind: cality of the soul and spirit163
	5.1	Neurobiology and the emergence of consciousness. Is the soul real?
	5.2	The problem of ontological monism and psychophysical causation
	5.3	Consciousness versus life: organic and psychological activity
	5.4	The soul as a formative principle. The "astral" organisation17
	5.5	Spirit versus soul: the emergence of self-consciousness and self-determination
	5.6	Soul and spirit: Intelligence in animals and humans18
	5.7	The importance of the spiritual factor in health and medical care19
	5.8	The question of freedom20.
	5.9	A comprehensive basis for medical anthropology: body, life, soul and spirit22
	5.10	Summary22
6	From	anthropology to anthroposophy23
	6.1	The question of the reality and cognition of the spiritual23
	6.2	The anthropology and anthroposophy of I. P. V. Troxler24

6.3	The anthropology and anthroposophy of I. H. Fichte	243
6.4	Summary	249
Anth	roposophy as an empirical spiritual science	251
7.1	The limits to knowledge and their transcendence	251
7.2	Rudolf Steiner's empirical spiritual science	258
7.3	Summary	269
Anthroposophical spiritual science and natural scientific medicine		
8.1	The fourfold image of man as a basis for medical anthropology, nosology and therapy	271
8.2	Scientific examination of anthroposophical concepts and medical rationale	276
8.3	Anthroposophical medicine and modern scientific medical research	281
8.4	Concerning the extension of medical anthropology through anthroposophy	287
8.5	The status of clinical scientific research in anthroposophical medicine	296
8.6		
oliogr	aphy	319
	6.4 Anth 7.1 7.2 7.3 Anth 8.1 8.2 8.3 8.4 8.5 8.6	Anthroposophy as an empirical spiritual science