

CONTENTS

ACKNOWLEDGEMENTS	11
BIBLIOGRAPHICAL NOTE OF THE EDITOR	12
INTRODUCTION	13
I. PATRIZIA GIAMPIERI-DEUTSCH: APPROACHING CONTEMPORARY PSYCHOANALYTIC RESEARCH	15
1. Psychoanalysis, philosophy of mind and experimental sciences.....	15
1. 1. Current analytic philosophy of mind and cognitive neuroscience.....	15
1. 2. Freud and science	18
1. 2. 1. Freud: was he a monist or a dualist (a psychophysical parallelist)?	19
1. 2. 2. Difficulties in holding a dualistic position	19
1. 2. 3. Freud as a monist and as a nonreductive physicalist.....	20
1. 2. 4. Freud was not a dualist in the form of parallelism	21
1. 2. 5. Freud on epiphenomenalism	23
1. 2. 6. Freud and causality.....	24
1. 3. Psychoanalysis as a science.....	25
1. 3. 1. But why did Freud speak of ‘natural science’ and not just of ‘science’?	26
1. 3. 2. Concepts in psychoanalysis, as in every other science, are indeterminate and not invariable	28
2. “First-person perspective” and “third-person perspective” in psychoanalysis.....	28
2. 1. Some objections from Continental and analytic philosophy as well as from the common sense of the psychoanalysts.....	30
2. 2. “First-person perspective” and “third-person perspective” in clinical psychoanalytic research.....	31
2. 3. The particular knowledge of psychoanalysis, which can provide answers to some questions in other disciplines.....	33
2. 4. The “other minds problem”: how can we know the minds of others?.....	34
2. 4. 1. A tentative solution by psychoanalytic clinical research: projective identification.....	36
2. 4. 2. A tentative solution by psychoanalytic empirical research: mentalization	36

- 3. Psychoanalysis, philosophy of mind and experimental sciences:
 Research in conscious and unconscious processes..... 38
- 4. Current interdisciplinary research: “first-person perspective” and
 “third-person perspective” in neuroscience and psychoanalysis 41
- 5. Empirical research trends in psychoanalysis 44
- References 49

A. PSYCHOANALYSIS, PHILOSOPHY OF MIND AND
 EXPERIMENTAL SCIENCES: RESEARCH ON CONSCIOUS
 AND UNCONSCIOUS PROCESSES 55

II. HOWARD SHEVRIN: TOWARD A THEORY ON CONSCIOUSNESS
 BASED ON RECENT DEVELOPMENTS IN SUBLIMINAL RESEARCH 57

- 1. Introduction 57
- 2. Quantitative relationships between conscious and unconscious
 processes 60
- 3. Qualitative differences between conscious and unconscious
 processes 67
- 4. Conclusions 71
- References 73

III. LINDA W. BRAKEL: DRIVE THEORY AND PRIMARY PROCESS: A
 PHILOSOPHICAL ACCOUNT 75

- 1. Introduction 75
 - 1. 1. Drives Defined and Described 75
 - 1. 2. An Example: X’s Oral Drives 76
- 2. A philosophical analysis of drives 77
 - 2. 1. Drives and propositional-attitude psychology 77
 - 2. 2. Are drive aims singular and determinate? 79
 - 2. 3. Drive objects are not singular. Must they be indeterminate? 80
 - 2. 4. Can primary process objects be represented? How? 82
 - 2. 5. Fitness based normativity: A proper function account of
 representations of ordinary objects 83
 - 2. 6. Fitness based normativity: A proper function account of an
 unusual type of representation..... 84

2. 7. Fitness based normativity: A proper function account of primary process drive objects.....	84
2. 7. 1. Proper function.....	85
2. 7. 2. Normal conditions.....	85
2. 8. Concluding remarks: Frog representations, vague concepts, and primary process drive objects.....	87
References	89
 IV. MAX VELMANS: CAUSAL INTERACTIONS OF CONSCIOUSNESS, UNCONSCIOUS MIND AND BRAIN.....	91
1. What needs to be explained.....	91
2. Clinical evidence for the causal efficacy of conscious mental states.....	91
3. Some useful accounts of mental causation	93
4. So why does mental causation remain a problem?.....	95
5. What is a conscious mental process?.....	99
6. The current theoretical impasse.....	101
7. Ontological monism combined with epistemological dualism.....	102
8. The neural correlates of conscious experience	103
9. An initial way to make sense of the causal interactions between consciousness and brain	107
10. Conscious experiences are current, global representations formed by the mind/brain.....	109
11. How to make sense of the causal role of the contents of consciousness.....	110
12. Who's in control?	112
References	115
 V. DAVID M. ROSENTHAL: CONSCIOUSNESS, INTERPRETATION, AND HIGHER-ORDER-THOUGHT	119
1. The problem of explaining consciousness.....	119
2. How we are conscious of our conscious states.....	123
3. Consciousness and confabulation.....	130
4. Consciousness, speech, and interpretation.....	134
References	139

VI. PIERRE JACOB: FIRST-PERSON AND THIRD-PERSON MINDREADING	143
1. Introduction	143
2. A pair of assumptions	144
3. Three disclaimers	145
4. What is mental simulation?	149
5. Mental simulation and third-person mindreading	154
6. Mental simulation and first-person mindreading	159
References	163
 B. CURRENT INTERDISCIPLINARY RESEARCH: NEUROSCIENCE AND PSYCHOANALYSIS	 167
VII. KARL PRIBRAM: FREUD'S PROJECT FOR A SCIENTIFIC PSYCHOLOGY IN THE 21 ST CENTURY	169
1. The memory based theory of motivation	169
2. Ohm's Law of neural function	170
3. Primary and secondary processes	171
4. Brain and conscious experience	171
References	176
VIII. REGINA PALLY: EMOTION AND THE ROLE OF THE BODY IN MENTAL LIFE	179
1. Introduction	179
2. The neuroscience model of emotion	179
3. An evolutionary perspective	181
4. The function of emotion	182
5. Emotion must be regulated	183
6. Neuroanatomy and neurobiology of emotion	183
6. 1. The first phase of emotion: Appraisal of stimuli	184
6. 2. The response output part of emotion	186
6. 2. 1. Biochemistry	186
6. 2. 2. Autonomic nervous system	190
6. 2. 3. Motor behavior	193

7. Clinical Implications.....	195
7. 1. Emotion keeps us organized.....	195
7. 2. Emotion must be regulated.....	196
7. 3. Why we show our feelings.....	198
7. 4. Why we consciously feel our feelings.....	200
7. 5. Memory and Defenses.....	202
7. 6. Rational thinking is not so rational.....	205
8. Conclusion.....	206
References	208
IX. FRED M. LEVIN: SYNAPSES, CYTOKINES (CK) AND LONG-TERM MEMORY (LTM): AN INTERDISCIPLINARY LOOK AT HOW PSYCHOANALYSIS MIGHT ACTIVATE LEARNING VIA ITS EFFECTS ON EMOTIONAL ATTENTION	
1. The neuroimmune network and immunity	216
1. 1. Kinds of immunity	219
1. 2. CK and synaptic plasticity.....	220
1. 3. The synapse and priming of plasticity.....	220
1. 4 AMPA and NMDA receptors.....	230
2. LTM: From emotional attention to LTM.....	231
3. Postscript: Interdisciplinary research.....	234
References	236
Figure captions	238
C. EMPIRICAL RESEARCH TRENDS IN PSYCHOANALYSIS ... 239	
X. STUART T. HAUSER: OVERCOMING ADVERSITY IN ADOLESCENCE: NARRATIVES OF RESILIENCE.....	
1.	241
2.	247
3.	248
4.	252
4. 1. Eve.....	254
4. 2. Pete.....	257

5.	260
References	265
Figure captions	267
XI. ROLF SANDELL: STRUCTURAL CHANGE AND ITS ASSESSMENT EXPERIENCES FROM THE STOCKHOLM OUTCOME OF PSYCHOANALYSIS AND PSYCHOTHERAPY PROJECT	
1. How has structural change been defined?	269
2. The notion of structural change in psychoanalysis	270
3. What is a structure?	271
4. Three kinds of structural change	273
5. Is psychoanalysis sufficient and/or necessary for structural change?.....	274
6. Are symptoms structures, and are symptom changes structural?	275
7. The assessment of structural change.....	276
References	283
XII. JORGE CANESTRI: ON THE CONTRIBUTION OF THE MOST RECENT RESEARCH ON LANGUAGE APPLIED TO PSYCHOANALYTIC PRACTICE.....	
1. Philosophy of language	288
2. Discourse analysis	290
3. Rules of transformation in listening and interpretation	291
4. Acquisition of language.....	294
5. General theory of representation	301
References	302
 AUTHORS	 307