TABLE OF CONTENTS

PREFACE	vii
ACKNOWLEDGEMENTS	ix
INTRODUCTORY REMARKS TO THE SYMPOSIUM	
ON HEGEL AND THE SCIENCES	
PETER BERTOCCI / The Scholar, the Liberal Ideal, and the Philosophy of Science	3
I. THE SCIENCES	
GERD BUCHDAHL / Conceptual Analysis and Scientific Theory in Hegel's Philosophy of Nature (with Special Reference to Hegel's	
Optics)	13
JOHN COMPTON / A Comment on Buchdahl's Paper DIETRICH VON ENGELHARDT / The Chemical System of Sub- stances, Forces and Processes in Hegel's Philosophy of Nature and	37
the Science of His Time	41
HENRY PAOLUCCI / Hegel and the Celestial Mechanics of Newton and Einstein	55
	87
JOHN FINDLAY / The Hegelian Treatment of Biology and Life GEORGE DI GIOVANNI / More Comments on the Place of the	07
Organic in Hegel's Philosophy of Nature	101
MILIČ ČAPEK / Hegel and the Organic View of Nature	109
DIETRICH VON ENGELHARDT / Hegel's Philosophical Under-	
standing of Illness	123
RÜDIGER BUBNER / On Hegel's Significance for the Social Sciences	143
MURRAY GREENE / Hegel's Conception of Psychology	161
II. PHILOSOPHY AND METHODOLOGY OF SCIENCE	
ERROL HARRIS / The Dialectical Structure of Scientific Thinking	195
ERNAN McMULLIN / Is the Progress of Science Dialectical?	215

HERMAN LEY / Some 'Moments' of Hegel's Relation to the Sciences	241
KENLEY DOVE / Hegel's 'Deduction of the Concept of Science'	271
DANIEL COOK / Theory and Praxis and the Beginning of Science	283
LOYD EASTON / The First American Interpretation of Hegel in	
J. B. Stallo's Philosophy of Science	287
III. DIALECTICS AND LOGIC	
YVON GAUTHIER / Hegel's Logic from a Logical Point of View	303
MICHAEL KOSOK / The Dynamics of Hegelian Dialectics, and Non-	
Linearity in the Sciences	311
HECTOR SABELLI / Mathematical Dialectics, Scientific Logic	
and the Psychoanalysis of Thinking [Comment on Kosok and	
Gauthier]	349
IVAN SOLL / Comments on Kosok's Interpretation of Hegel's Logic	361
BIBLIOGRAPHICAL NOTE	365
INDEX OF NAMES	360