

CONTENTS

Foreword vii

Preface xi

PART ONE. FROM THE METHODOLOGICAL PERSPECTIVE 1

- 1 THE ABUSE OF COSMOLOGY 3
- 2 ON THEOLOGICAL INTERPRETATIONS OF
PHYSICAL CREATION THEORIES 10
- 3 THE SCIENTIFIC IMAGE OF THE WORLD 22
- 4 A PROGRAM FOR THEOLOGY OF SCIENCE 29

PART TWO. FROM THE HISTORICAL PERSPECTIVE 33

- 5 FROM THE PRIVILEGED MARGIN TO AN
AVERAGE CENTER 35
- 6 SCIENTIFIC RATIONALITY AND
CHRISTIAN LOGOS 47
- 7 TEILHARD'S VISION OF THE WORLD AND
MODERN COSMOLOGY 58
- 8 LEMAÎTRE—PRIEST AND SCIENTIST 70

PART THREE. THE WORK OF CREATION 75

- 9 COSMOLOGICAL SINGULARITY AND THE
CREATION OF THE UNIVERSE 79
- 10 GENERALIZATIONS: FROM QUANTUM MECHANICS
TO GOD 100

11 CHAOS, PROBABILITY, AND THE COMPREHENSIBILITY
OF THE WORLD 127

PART FOUR. TRANSCENDING SCIENCE 145

12 "ILLICIT JUMPS"—THE LOGIC OF CREATION 147

13 SCIENCE AND FAITH IN INTERACTION 153

14 SCIENCE AND TRANSCENDENCE 162

Acknowledgments 173

APPENDIX: Center for Interdisciplinary Studies
and Its Work for Science and Religion 175

Index 179