

# **EXPANDED CINEMA**

**Fiftieth Anniversary Edition**

**Gene Youngblood**

Introduction by R. Buckminster Fuller

**Fordham University Press, New York 2020**

## Contents

List of Illustrations	ix
Introduction to the Fiftieth Anniversary Edition	xiii
Introduction by R. Buckminster Fuller	15
Inexorable Evolution and Human Ecology by R. Buckminster Fuller	37
Preface	41
<b>Part One: The Audience and the Myth of Entertainment</b>	<b>45</b>
Radical Evolution and Future Shock in the Paleocybernetic Age	50
The Intermedia Network as Nature	54
Popular Culture and the Noosphere	57
Art, Entertainment, Entropy	59
Retrospective Man and the Human Condition	66
The Artist as Design Scientist	70
<b>Part Two: Synaesthetic Cinema: The End of Drama</b>	<b>75</b>
Global Closed Circuit: The Earth as Software	78
Synaesthetic Synthesis: Simultaneous Perception of Harmonic Opposites	81
Syncretism and Metamorphosis: Montage as Collage	84
Evocation and Exposition: Toward Oceanic Consciousness	92
Synaesthetics and Kinaesthetics: The Way of All Experience	97
Mythopoeia: The End of Fiction	106
Synaesthetics and Synergy	109
Synaesthetic Cinema and Polymorphous Eroticism	112
Synaesthetic Cinema and Extra-Objective Reality	122
Image-Exchange and the Post-Mass Audience Age	128
<b>Part Three: Toward Cosmic Consciousness</b>	<b>135</b>
<i>2001</i> : The New Nostalgia	139
The Stargate Corridor	151
The Cosmic Cinema of Jordan Belson	157

**Part Four: Cybernetic Cinema and Computer Films** 179

- The Technosphere: Man/Machine Symbiosis 180  
The Human Bio-Computer and His Electronic Brainchild 183  
Hardware and Software 185  
The Aesthetic Machine 189  
Cybernetic Cinema 194  
Computer Films 207

**Part Five: Television as a Creative Medium** 257

- The Videosphere 260  
Cathode-Ray Tube Videotronics 265  
Synaesthetic Videotapes 281  
Videographic Cinema 317  
Closed-Circuit Television and Teledynamic Environments 337

**Part Six: Intermedia** 345

- The Artist as Ecologist 346  
World Expositions and Nonordinary Reality 352  
Cerebrum: Intermedia and the Human Sensorium 359  
Intermedia Theatre 365  
Multiple-Projection Environments 387

**Part Seven: Holographic Cinema: A New World** 399

- Wave-Front Reconstruction: Lensless Photography 400  
Dr. Alex Jacobson: Holography in Motion 404  
Limitations of Holographic Cinema 407  
Projecting Holographic Movies 411  
The Kinoform: Computer-Generated Holographic Movies 414  
Technoanarchy: The Open Empire 415

Selected Bibliography 421

Index 427