

eNewMediaReader

Edited by Noah Wardrip-Fruin and Nick Montfort

Designed by Michael Crumpton

The MIT Press

Cambridge, Massachusetts

London, England

Contents

x Advisors

xi Preface: *The New Media Reader*, A Users Manual
Noah Wardrip-Fruin and Nick Montfort

xv Acknowledgments

Perspectives on New Media: Two Introductions

3 Inventing the Medium

Janet Murray

13 New Media from Borges to HTML

Lev Manovich

I. The Complex, the Changing, and the Indeterminate

II. Collective Media, Personal Media



III. Design, Activity, and Action



IV. Revolution, Resistance, and the Launch of the Web



799 Permissions

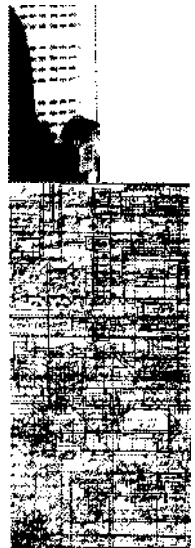
803 Index

I. The Complex, the Changing, and the Indeterminate

- 01129 The Garden of Forking Paths
Jorge Luis Borges, 1941
- 02135 As We May Think
Vannevar Bush, 1945
- 03149 Computing Machinery and Intelligence
Alan Turing, 1950
- 04165 Men, Machines, and the World About
Norbert Wiener, 1954
- 05173 Man-Computer Symbiosis
J. C. R. Licklider, 1960
- 06183 "Happenings" in the New York Scene
Allan Kaprow, 1961
- 07189 The Cut-Up Method of Brion Gysin
William S. Burroughs, 1963
- 08193 From *Augmenting Human Intellect: A Conceptual Framework*
Douglas Engelbart, 1962
- 091109 Sketchpad: A Man-Machine Graphical Communication System
Ivan Sutherland, 1963
- 101127 The Construction of Change
Roy Ascott, 1964
- 111133 A File Structure for the Complex, the Changing, and the Indeterminate
Theodor H. Nelson, 1965
- 121147 Six Selections by the Oulipo
 - A Hundred Thousand Billion Poems
Raymond Queneau, 1961
 - Yours for the Telling
Raymond Queneau, 1973
 - A Brief History of the Oulipo
Jean Lescure, 1973
 - For a Potential Analysis of Combinatory Literature
Claude Berge, 1973
 - Computer and Writer: The Centre Pompidou Experiment
Paul Fournel, 1981
 - Prose and Anticombinatorics
Italo Calvino, 1981

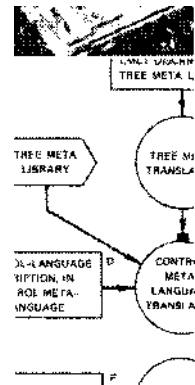


Portrait of the author of the Cut-Up Method



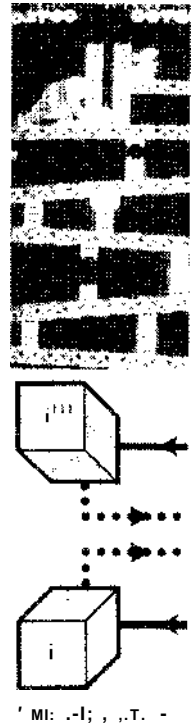
II. Collective Media, Personal Media

- 131193 Two Selections by Marshall McLuhan
 The Medium Is the Message, 1964 (from *Understanding Media*)
 The Galaxy Reconfigured or the Plight of Mass Man in an Individualist Society, 1969 (from *The Gutenberg Galaxy*)
- 14 1211 Four Selections by Experiments in Art and Technology
 From "The Garden Party"
 Billy Kluver, 1961
 From *9 Evenings*
 EAT., 1966
 [Press Release]
 E.A.T., 1966
 The Pavilion
 Billy Kluver, 1972
- 15 1227 Cybernated Art
 Nam June Paik, 1966
- 16 1231 A Research Center for Augmenting Human Intellect
 Douglas Engelbart and William English, 1968
- 171247 From *Software—Information Technology: Its New Meaning for Art*
 Theodor H. Nelson, Nicholas Negroponte, and Les Levine, 1970
- 181259 Constituents of a Theory of the Media
 Hans Magnus Enzensberger, 1970
- 19 1277 Requiem for the Media
 Jean Baudrillard, 1972
- 20 | 289 The Technology and the Society
 Raymond Williams, 1974
- 211301 From *Computer Lib/Dream Machines*
 Theodor H. Nelson, 1970-1974
- 22 1339 From *Theatre of the Oppressed*
 Augusto Boal, 1974
- 23 | 353 From *Soft Architecture Machines*
 Nicholas Negroponte, 1975
- 241367 From *Computer Power and Human Reason*
 Joseph Weizenbaum, 1976
- 25 1377 Responsive Environments
 Myron W. Krueger, 1977
- 261 391 Personal Dynamic Media
 Alan Kay and Adele Goldberg, 1977
- 271405 From *A Thousand Plateaus*
 Gilles Deleuze and Felix Guattari, 1980



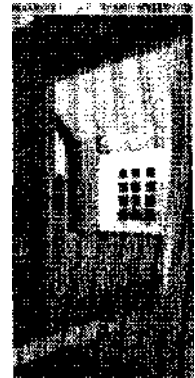
III. Design, Activity, and Action

- 281413 From *Mindstorms: Children, Computers, and Powerful Ideas*
Seymour Papert, 1980
- 291433 "Put-That-There": Voice and Gesture at the Graphics Interface
Richard A. Bolt, 1980
- 301441 Proposal for a Universal Electronic Publishing System and Archive
(from *Literary Machines*)
Theodor H. Nelson, 1981
- 311463 Will There Be Condominiums in Data Space?
Bill Viola, 1982
- 32 | 471 The Endless Chain (from *The Media Monopoly*)
Ben Bagdikian, 1983
- 33 1485 Direct Manipulation: A Step Beyond Programming Languages
Ben Shneiderman, 1983
- 341499 Video Games and Computer Holding Power (from *The Second Self*)
Sherry Turkle, 1984
- 35 1515 A Cyborg Manifesto: Science, Technology, and Socialist-Feminism
in the Late Twentieth Century
Donna Haraway, 1985
- 361543 The GNU Manifesto
Richard Stallman, 1985
- 371 551 Using Computers: A Direction for Design
(from *Understanding Computers and Cognition*)
Terry Winograd and Fernando Flores, 1986
- 381 563 Two Selections by Brenda Laurel
The Six Elements and the Causal Relations Among Them, 1991
(from *Computers as Theater*)
Star Raiders: Dramatic Interaction in a Small World, 1986
- 39 | 575 Towards a New Classification of Tele-Information Services
Jan L. Bordewijk and Ben van Kaam, 1986



IV. Revolution, Resistance, and the Launch of the Web

- 40|587 Mythinformation
Langdon Winner, 1986
- 41 |599 From *Plans and Situated Actions*
Lucy A. Suchman, 1987
- 42 |613 Siren Shapes: Exploratory and Constructive Hypertexts
Michael Joyce, 1988
- 43 |625 The Work of Culture in the Age of Cybernetic Systems
Bill Nichols, 1988
- 44|643 The Fantasy Beyond Control
Lynn Hershman, 1990
- 45|649 Cardboard Computers
Pelle Ehn and Morten Kyng, 1991
- 46 |663 The Lessons of Lucasfilms Habitat
Chip Morningstar and F. Randall Farmer, 1991
- 47|679 Seeing and Writing (from *Writing Space*)
I David Bolter, 1991
- 48|691 You Say You Want a Revolution? Hypertext and the Laws of Media
Stuart Moulthrop, 1991
- 49 |705 The End of Books
Robert Coover, 1992
- 50|711 Time Frames (from *Understanding Comics*)
Scott McCloud, 1993
- 51|737 Surveillance and Capture: Two Models of Privacy
Philip E. Agre, 1994
- 52|761 Nonlinearity and Literary Theory
Espen J. Aarseth, 1994
- 53|781 Nomadic Power and Cultural Resistance
Critical Art Ensemble, 1994
- 54 |791 The World Wide Web
Tim Berners-Lee, Robert Cailliau, Ari Loutonen,
Henrik Frystyk Nielsen, and Arthur Secret, 1994



Advisors

Espen Aarseth
Mark Bernstein
Chris Bregler
Edward Fox
Cynthia Goodman
Carolyn Guyer
Terry Harpold
N. Katherine Hayles
Carol Hutchins
Henry Jenkins
Carl Machover
Stuart Moulthrop
Christiane Paul
Ken Perlin
Edward A. Shanken
Herman Tavani
Gregory Ulmer
Adrianne Wortzel