Scholarly Publishing
The Electronic Frontier

edited by
Robin P. Peek
Gregory B. Newby

The MIT Press
Cambridge, Massachusetts
London, England
Contents

Foreword vii
James E. Rush

Introduction xv
Gregory B. Newby and Robin P. Peek

1 The Impact of Electronic Publishing on Scholarly Life 1

1 Scholarly Publishing, Facing the New Frontiers 3
Robin P. Peek

2 Analyzing Alternate Visions of Electronic Publishing and Digital Libraries 17
Rob Kling and Roberta Lamb

3 The Impact of Electronic Publishing on the Academic Community 55
Robert J. Silverman

4 The Seminar, the Encyclopedia, and the Eco-Museum as Possible Future Forms of Electronic Publishing 71
Jean-Claude Guédon

5 Tragic Loss or Good Riddance? The Impending Demise of Traditional Scholarly Journals 91
Andrew M. Odlyzko

6 Implementing Peer Review on the Net: Scientific Quality Control in Scholarly Electronic Journals 103
Stevan Harnad
Contents

II The New Challenges 119

7 The Economic Quandary of the Network Publisher 121
Brian Hayes

8 Integrity Issues in Electronic Publishing 133
Clifford A. Lynch

9 The University Press in the Electronic Future 147
Lisa Freeman

10 Networked Information Is Not Free 165
Ira H. Fuchs

11 University Libraries and Scholarly Communication 181
Ann Okerson

12 A Consortium for Refereed Electronic Journals 201
Larry W. Hurtado

13 Revolutionary or Regressive? The Politics of Electronic Collection Development 215
Marlene Manoff

14 Traditional Publishers and Electronic Journals 231
Janet Fisher

15 The Need for Management of Electronic Journals 243
Fytton Rowland

16 The Challenges of Electronic Texts in the Library: Bibliographic Control and Access 251
Rebecca S. Guenther

17 Scholarly Communication in the Networked Environment: Issues of Principle, Policy, and Practice 277
Brian Kahin

18 Where Electronic Publications and Television Programs Are Really Computer Programs: Some Copyright Implications 299
Patrice A. Lyons

19 TeleRead: A Virtual Central Database without Big Brother 313
David H. Rothman

Contributors 341
Index 343