DEVELOPMENT OF DIGITAL LIBRARIES

An American Perspective

Edited by Deanna B. Marcum

Contents

Figu	ires and Tables	ix
Fore	eword by Kakugyo S. Chiku	xi
Pref	Preface	
I.	Perspectives on the Library in the Twenty-First Century	1
1.	Scholarship, Information, and Libraries in the Electronic Age Stanley Chodorow	3
2.	The Impact of Information Technologies on the Role of Research Libraries in Teaching and Learning in the United States Elaine Sloan	16
3.	The Life of the Mind in a World Transformed by Networks and Digital Libraries Paul Evan Peters	26
4.	What's Happening to the Book? Richard A. Lanham	40
5.	The Impact of Digital Technology on Libraries: A Chaotic Revolution Jerry D. Campbell	49
6.	The Future Value of Digital Information and Digital Libraries Michael Lesk	63

Π.	Meeting the Challenges of the Digital Library	83
7.	The Library as Provider of Digital Resources for Teaching and Scholarship Ann J. Wolpert	85
8.	Can We Afford Digital Information? Libraries? An Early Assessment of Economic Prospects for Digital Publications Ann B. Okerson	95
9.	Intellectual Property Policy for an Information Society Peter Lyman	109
10.	The Uses of Digital Libraries: Some Technological, Political, and Economic Considerations Donald J. Waters	127
11.	Digital Preservation: An Update Deanna B. Marcum	148
12.	The Impact of Digital Libraries on Library Staffing and Education Rachael K. Anderson	155
13.	Government Records in a Digital World Peter B. Hirtle	170
14.	A View on the Ecology of Information Brian L. Hawkins	187
Ш.	The Digital Library in the Service of Research and Education: Some Experiences	211
15.	The Library of Congress's National Digital Library: Reaching Out to Schools and Libraries through the Internet Laura Campbell	213
16.	Toward Libraries' Digital Future: The Canadian Digital Library Experience Leigh Swain and Susan Haigh	225
17.	The Future of Libraries and Library Schools Daniel E. Atkins	244
18.	Redefining the University through Educational and Information Technologies: North Carolina State University, Its Libraries, and Distance Education Susan K. Nutter	253

	Contents	vii
19.	Re-engineering the Undergraduate Curriculum Jack M. Wilson	272
20.	The Internet Public Library: Development and Future Joseph W. Janes	283
21.	Public Libraries in the United States: Service to Business and Industry Beverly P. Lynch	304
22.	Prognosis on Becoming Digital: Digital Information, Global Networks, and Business Education William D. Walker	316
Index		333
Abo	About the Contributors	