

Contents

<i>Acknowledgements</i>	viii
<i>Foreword by the General Editors</i>	ix
Introduction	1
GENERAL READINGS ABOUT PRESERVATION	3
Chapter 1. Overview: The Problems, Causes and Solutions	5
Causes of Deterioration	6
Strategies and Methods to Address the Problem	7
Notes	8
THE READINGS	9
FURTHER READING	51
Chapter 2. Why Library Materials Deteriorate	53
THE MATERIALS: INHERENT CAUSES OF DETERIORATION	53
Paper Structure	53
The Papermaking Process	54
Permanence of Paper	54
Materials Other Than Paper	55
EXTERNAL CAUSES OF DETERIORATION	56
Temperature and Relative Humidity	56
Light	57
Atmospheric Pollutants	57
Biological Agents	57
Human Causes	58
Notes	58
THE READINGS	59
FURTHER READING	92
Chapter 3. Surveying the Library: Determining Suitability of Environment and Extent of Deterioration	95
Environment Surveys	95
Condition Surveys	96
Some Important Condition Surveys	97
Condition Surveys: Methodology	97
Notes	99
THE READINGS	99
FURTHER READING	135

Chapter 4. Controlling the Environment	137
Temperature and Relative Humidity	137
Light	138
Air Quality	139
Pest Management	139
Housekeeping	140
Storage Materials and Equipment	140
Security	140
Building Design	141
Notes	141
THE READINGS	142
FURTHER READING	185
Chapter 5. An Attitude of Respect: Careful Handling and the Education of Users and Librarians	187
HANDLING	187
USER EDUCATION	189
EDUCATION OF LIBRARY STAFF	190
Notes	191
THE READINGS	192
FURTHER READING	219
Chapter 6. Disaster Preparedness	221
Developing a Disaster Plan	221
Prevention: The First Phase	222
Response: The Second Phase	223
Reaction: The Third Phase	223
Recovery: The Final Phase	224
Salvage Techniques	224
Conclusion	225
Notes	225
THE READINGS	226
FURTHER READING	258
Chapter 7. Preserving the Artefact: Book Maintenance and Repair Procedures; Binding	261
REFURBISHING	262
REPAIRS	262
PROTECTIVE ENCLOSURES	264
BINDING	264
Notes	266
THE READINGS	266
FURTHER READING	307

Chapter 8. Preserving the Intellectual Content: Reformatting	309
Selection for Preservation	309
Preservation of Artefact or Intellectual Content?	310
Which Format?	311
PRESERVATION PHOTOCOPYING	311
MICROFILMING	312
Microforms: Pros and Cons	313
DIGITAL DATA	313
OTHER REFORMATTING METHODS	315
Notes	315
THE READINGS	316
FURTHER READING	359
Chapter 9. Technological and Cooperative Strategies	361
TECHNOLOGICAL STRATEGIES	361
Permanent Paper	361
Mass Deacidification Processes	362
Other Technological Strategies	363
COOPERATIVE STRATEGIES	364
Notes	365
THE READINGS	366
FURTHER READING	413
Chapter 10. Developing a Library Preservation Program	415
Implementing a Preservation Program	415
Models for Integrating Preservation into Libraries	416
Conclusion	419
Notes	420
THE READINGS	420
FURTHER READING	463
<i>Index</i>	465