

CONTENTS

PREFACE	ix
1. INTRODUCTION	1
2. INTRODUCING THE COMPUTER – THE CONCEPT OF THE ‘LITERARY’ COMPUTING MACHINE	9
The ‘Literary’ Computer · Action of the ‘Literary’ Computer · Solving Problems on the Computer · Some Simple Computer Tasks · Storing a Given Text · Processing the Text · Summary	
3. USING THE COMPUTER	22
Setting Out the Problem · Reduction of the Method to Simple Operations · Preparing the Computer Program · Transferring the Computer Program to the Machine · Testing the Program · The ‘Software Package’ or Library Program · Summary · Notes	
4. PROGRAMMING THE COMPUTER AND THE CHOICE OF LANGUAGES	31
The Development of Programming Languages · Types of Programming Languages · Higher Level Languages · Choice of Languages for Literary Projects · Languages for Non-Numerical Computing · List-Processing Languages · String Processing Languages · Course Writing Languages · Language Developments · Summary	
5. USING THE MICROCOMPUTER	48
New Developments in Microelectronics · The Microcomputer · Using the Microcomputer · Input and Output of Information · Storage of Information · The Microcomputer’s Capability · Word Processing · The Dual Role of the Microcomputer · Summary · Notes	
6. THE PROCESSING OF NATURAL LANGUAGE	59
Concordances · The Functions of Concordances · Programs and Packages · Text Selection and Preparation · Determining the Context · Orthographical Irregularity, Lemmatisation and Homograph Distinction · Limiting Output · Concordance-Related Operations · Vocabulary Statistics · Indexes · Summary · Notes	
7. STRUCTURED INFORMATION	79
Introduction · Establishing the Database · Manipulating the Database · Sorting: Listings · Evaluating Data-Management Programs · Trial Runs · Bibliographies: The Case of the Eighteenth-Century Short-Title Catalogue · Summary · Notes	

8.	ENCODED INFORMATION	88
	Introduction · Procedures Adapted from the Social Sciences · Encoding Information · Packages, Sampling and Statistics · An Example of an SPSS Application · Objectives · Sampling · Data Collection and Preparation · Defining the SPSS File · Descriptive Statistics · Selecting from and Redefining the Database; Cross-tabulation · Other Procedures · Summary · Notes	
9.	AUTHOR IDENTIFICATION AND CANONICAL INVESTIGATION	102
	Introduction · The Nature of the Problems · A Basic Assumption · Validity and Variety of International Evidence · Types of Evidence and the Role of the Computer · Word Length and Sentence Length · Word Frequencies · Spelling · Grammatical Features · The Rationale of Problem Resolution · Where the Work is Anonymous or Pseudonymous · Where External Evidence Suggests the Text is a Work of Either A or B · Where External Evidence Suggests the Text is a Collaboration Between A and B · Statistical Considerations · Summary · Notes	
10.	FUTURE DEVELOPMENTS	110
	GLOSSARY OF TERMS	113
	INDEX	