

Contents

Preface: Trees and Why We Love Them.....	ix
Acknowledgements	xi
Author	xiii
Chapter 1 Introduction	1
Land Plants.....	1
Brief Survey of Ancient Land Plants.....	1
Brief Survey of Present-Day Trees and Woody Plants	11
Tree Ferns	11
Arborescent Seed Plants.....	14
Flowering Plants.....	19
Sexual Reproduction in Arborescent Seed Plants	27
Gymnosperms	27
Flowering Plant (Angiosperm) Trees.....	31
Chapter 2 Anatomy of Trees and Woody Plants	35
Secondary Growth of the Stem	43
Modifications of Tree Bark.....	47
Chapter 3 Roots of Trees and Woody Plants.....	59
Chapter 4 Tree Leaves: The Green Sugar Factory	77
Chapter 5 Reproduction in Trees and Woody Plants	89
Vegetative Regeneration	89
Sexual Reproduction	91
Chapter 6 The Importance of Trees in the Environment	103
Chapter 7 Trees and Their Links with Human Cultures.....	125
Index	151