

## CONTENTS

	Page
1. Introduction	1
2. Basic Optical Theory	3
3. The Metallurgical Microscope	20
Appendix : Aberrations of lenses	31
4. Practical Adjustment of the Microscope	34
5. Bright-field and Related Techniques	47
6. Interference Techniques	71
7. The Polarizing Microscope	103
Appendix : Anisotropic metals; etchants	121
8. Photography	124
Appendix : Polaroid photography	140
9. Miscellany of Aids to Metallography	142
10. Quantitative Metallography	168
Appendix : Simple statistics	187
11. A Compendium of Complementary Techniques	196
Select Bibliography	201
Index	203