

CONTENTS

	Page
1. Introduction	1
2. Drying Oils	14
3. Printing Ink Driers or Siccatives	33
4. Natural Resins, Modified Natural Resins, and Bituminous Materials	40
5. Synthetic Resins	60
6. Waxes	85
7. Solvents, Diluents, and Plasticizers	90
8. Surface-Active Agents, Anti-oxidants, and Adhesives	109
9. Inorganic Pigments and Extenders	116
10. Printing ink carbon blacks	140
11. Organic colours	147
12. Selection of media and Pigments for Printing inks	181
13. Colour Matching and Colorimetry	193
14. Laboratory testing apparatus	216
15. Routine Laboratory testing	233
16. Analysis and Calculations	260
17. The colloidal Nature and Rheology of Printing inks	273
18. Methods of ink drying	290
19. Principles of ink Formulation	298
20. The Typographic process	301
21. The Lithographic process	333
22. The Intaglio Process	361
23. Moisture-set, Quick-set, Heat-set, and Cold-set inks	378
24. Aniline, Dye-spirit, or Flexographic inks	391
25. Silk-screen Printing	400
26. Gloss and Matt Printing	409

27.	Special Inks	417
28.	Ink in Relation to paper	433
29.	Ink on Surfaces other than paper	459
30.	Roller and Blanket Technology	469
31.	Ink Production Plant	483
31.	Letterpress ink Estimation	503
	Appendix 1	506
	Appendix 2	509
	Appendix 3	512
	Appendix 4	513
	Author index	517
	Subject index	519