

CONTENTS

PREFACE

| | | |
|----|--|-----|
| 1 | Development of the Ice Cream Industry | 1 |
| 2 | Energy Value and Nutrients of Ice Cream | 13 |
| 3 | Ice Cream and Related Products Classifications | 25 |
| 4 | Composition and Properties | 34 |
| 5 | Ice Cream Ingredients | 59 |
| 6 | Stabilizers and Emulsifiers | 96 |
| 7 | Flavoring and Coloring Materials | 107 |
| 8 | Calculation of Ice Cream Mixes | 135 |
| 9 | Restandardizing and Calculating Some Unusual Mixes | 172 |
| 10 | Calculating Cost and Percentage of Overrun | 192 |
| 11 | Mix Processing | 208 |
| 12 | The Freezing Process | 239 |
| 13 | Packaging, Hardening and Shipping | 267 |
| 14 | Soft-Frozen Dairy Products and Special Formulas | 278 |
| 15 | Sherbets and lees | 292 |
| 16 | Novelties, Fancy Molded Ice Creams and Specials | 303 |
| 17 | Defects, Scoring and- Grading | 320 |
| 18 | Sanitation and Quality Control | 338 |
| 19 | Refrigeration | 349 |
| 20 | Some Laboratory Tests Often Used in Ice Cream Plants | 361 |
| 21 | Sales Outlets | 375 |
| 22 | Formulas and Industry Standards | 387 |
| 23 | Soda Fountain Recipes | 412 |
| | APPENDIX | 425 |
| | INDEX | 502 |