

CONTENTS

VOLUME 1

Section I. Line and Staff Organization, Functions and Techniques

1. PRODUCTION MANAGEMENT TECHNIQUES	1
2. INDUSTRIAL ENGINEERING	29
3. COST ACCOUNTING TECHNIQUES	49
4. BANK FINANCING OF FOOD PROCESSING OPERATIONS	78
5. QUALITY CONTROL: OBJECTIVES, ORGANIZATION, METHODS,EQUIPMENT	93
6. STATISTICAL QUALITY CONTROL	130
7. PACK STATISTICS AS A TOOL OF MANAGEMENT	157
8. PLANT SAFETY IN FOOD PRODUCTS MANUFACTURE	173
9. RESEARCH AND DEVELOPMENT	187

Section II. Facilities, Utilities and Sanitation

10. FOOD PLANT SANITATION	223
11.ELECTRICITY IN FOOD PROCESSING OPERATIONS	246
12. WATER IN FOOD PROCESSING	311
13. STEAM IN FOOD PROCESSING	340
14. REFRIGERATION IN FOOD PROCESSING	362
15. RADIATION PROCESSING OF FOODS AND DRUGS	401

Section III. Raw Materials-Production, Harvesting, Receiving, Preparing

16. PRODUCTION, HARVESTING AND DELIVERY OF VEGETABLE CROPS	449
17. TREE FRUIT CROPS FOR PROCESSING	484
18. RECEIVING AND PREPARING FRUITS AND VEGETABLES FOR PROCESSING	505
19. DAIRY PRODUCTS	523
20. COMMERCIAL FISHERY METHODS	548
21. PROCESSING OF SEAFOODS	569
22. AGING, CURING AND SMOKING OF MEATS	600
INDEX	635

VOLUME 2

23. FEDERAL AND STATE REGULATION OF PROCESSED FOODS	1
24. CATTLE, HOGS AND SHEEP	42
25. POULTRY PRODUCTION AND PROCESSING	63
26. FATS AND OILS	87
27. USE OF ACIDS IN FOOD PROCESSING	139
28. SEASONING FOR THE FOOD MANUFACTURER	174
29. VITAMINS AS INGREDIENTS IN FOOD PROCESSING	192
30. PRESERVATIVES AND ANTIOXIDANTS	218
31. ENZYMES IN FOOD PROCESSING	248
32. METAL CONTAINERS FOR FOOD	267
33. GLASS CONTAINERS	293
34. FLEXIBLE PACKAGING IN FOOD PROCESSING	321
35. CORRUGATED AND SOLID FIBER BOXES	347
36. FOOD PROCESSING BY HEAT STERILIZATION	410
37. PROCESSING BY FERMENTATION	480
38. BAKING	513
39. FOOD PROCESSING BY DRYING AND DEHYDRATION	545
INDEX	585

VOLUME 3

40. SUGAR	1
41. CORN SWEETENERS	33
42. SALT-USE IN FOOD PROCESSING	50
43. STARCHES IN FOOD PROCESSING	78
44. THE FIELD DEPARTMENT	101
45. CEREAL GRAIN PRODUCTION AND PROCESSING	121
46. RAW PRODUCTS: SMALL FRUITS	170
47. CONFECTIONERY MANUFACTURE	208
48. HEAT EXCHANGE AND HEAT EXCHANGERS	231
49. PRESERVATION OF FOOD BY FREEZING	259
50. FRYING	295
51. CONCENTRATION BY EVAPORATION	309
52. GASSING AND DEAERATION IN FOOD PROCESSING	335
53. PROCESSING ASPECTS OF FREEZE DEHYDRATION	369
54. PUMPS AND PUMPING	394
55. SIZE REDUCTION	417
56. PROTECTIVE PACKAGING PROCESSING	449

57. PLANT LOCATION AND DESIGN	506
58. UTILIZATION AND DISPOSAL OF LIQUID AND SOLID RESIDUES	518
59. HOW TO SUCCEED REALLY TRYING	541
INDEX	551