

CONTENTS

Current Status of Microbiological Tests and Standards for Food Quality	1
Food Microbiological Problems from the Federal Regulatory Standpoint	6
Discussion	10
Food Microbiological Problems from a Local Regulatory Standpoint	15
Discussion	20
Food Microbiological Problems from the Standpoint of Industry	23
Discussion	32
The Role of Universities in Food Microbiological Research	35
Open Discussion	39
Problems in Foodborne Diseases	41
The Nature and Detection of Staphylococcal Enterotoxin	50
Discussion	54
Open Discussion	58
Halophilic Bacteria as a Cause of Food Poisoning	63
The Problem of Type E Botulism in Japan	71
Clostridium perfringens Food Poisoning	77
The Role of Salmonellae in Foodborne Diseases	84
Discussion	94
Open Discussion	96
Total Counts as Indexes of Food Quality	102
Microbial Indexes of Food Quality: The Coliform Group	113
Microbial Indexes of Food Quality: Fecal Streptococci	119
Low Temperature Organisms as Indexes of Quality of Fresh Meat	132
Detection of Microbial Pathogens in Foods	149
Discussion	159
Discussion	162
Open Discussion	165
Limitation of Microbial Levels in Chilled and Frozen Foods	171
A Discussion of the Microbiology of Various Dehydrated Foods	179
Open Discussion	187
Microbial Spoilage Problems of Fresh and Refrigerated Foods	193
Microbial Spoilage of Canned foods	198
The Limits of Edibility of Defrosted Chicken Pot Pies	205
Microbiological Spoilage Problems of Dehydrated Foods	223
Open Discussion	228
Research Needs in Food Microbiology-Food Spoilage	229

Research Needs in Food Microbiology-Food Processing	237
Research Needs in food Microbiology-Industry	243
Research Needs in Food Microbiology-Public Health	252
Open Discussion	260
Conference Summary	265
Subject Index	271