

## CONTENTS

Preface to Third Edition	vii
Preface to First Edition	ix

### *INTRODUCTION* 1

1 Introduction	3
2 Population Trends and the Public Health	15
3 Statistics in Public Health and Medical Research	36
4 Epidemiology	74

### *Book One*

#### *PUBLIC HEALTH AND THE PARASITISM OF MAN WITH A NOTE ON NEWER HAZARDS*

##### SECTION I

##### *Infectious Hazards of the Environment* 97

5 Infections Primarily of Animals That are Transmissible to Man	99
6 Infections Primarily of Man in Which the Infective Agent Has a Requisite Period of Extra-human Residence before Transmission	112
7 Infections Directly Transmissible from Man to Man in Which the Infective Agent May Persist in the Environment	120
8 Diseases Caused by Preformed Microbial Products without True Infection of the Diseased Host	124

## SECTION II

***The Control of Infectious Diseases Acquired from the External Environment*** 129

- 9 The Control of Infections Carried by Water 133
- 10 The Control of Infections Transmitted by Milk and Other Foods 149
- 11 The Control of Animal Reservoirs and Arthropod Vectors of Infection 163

## SECTION III

***Man as an Infectious Hazard to Man (The "Contagious" or "Communicable" Infections Transmitted Directly from Man to Man)*** 169

- 12 Infections That Are Primarily Enteric 170
- 13 Infections Primarily of the Respiratory Tract 179
- 14 Venereal and Other Infections Acquired by Direct Contact 203
- 15 Infections That Can Be Artificially Transmitted by Inoculation 212

## SECTION IV

***The Control of Infections Directly Transmissible from Man to Man*** 219

- 16 Case Detection, Antimicrobial Therapy, and Chemoprophylaxis in the Control of Contagious Diseases 223
- 17 Specific Artificial Immunization and the Control of Infectious Diseases 231
- 18 The Role of Artificial Immunization in Public Health: Specific Vaccines for Specific Purposes 244

## SECTION V

***New Hazards to Man and New Problems of Environmental Sanitation*** 257

- 19 Air Pollution 259
- 20 Other Chemical Hazards of the Environment: Poisons, Drugs, and Food Additives 275
- 21 Human Heredity and Genetic Determinants of Diseases 282

*Book Two*  
**PROTECTION, PREVENTION, AND CONSERVATION  
IN PUBLIC HEALTH**

SECTION I

***Child Health Protection*** 299

22	Child Health Protection	301
23	Dental Health	326
24	School Health Services	332
25	Conservation of Vision	343

SECTION II

***Accident Prevention*** 353

26	Accident Prevention	355
----	---------------------	-----

SECTION III

***Conservative Medicine*** 367

27	The Protection and Promotion of Health in Adult Life	369
28	Promotion of Mental Health	376
29	Malnutrition and Its Prevention	404
30	Occupational Medicine	425
31	Preventive Aspects of Metabolic Diseases	449
32	Conservative Aspects of Arthritis	460
33	Preventive Aspects of Cancer	468
34	Preventive Aspects of Cardiovascular Disease	481
35	Medical Care and Rehabilitation of the Aged	492

<b>SECTION IV</b>	
<b><i>Public Health Administration</i></b>	<b>501</b>
36 Administration of Local Health Services	503
37 Rural Health Administration	509
38 Municipal Health Administration	517
39 State Health Administration	523
40 National Health Services	528
41 The World Health Organization	536
42 Voluntary Health Activities	538
43 Health Education	544
44 The Public Health Nurse	547
45 Medical Social Work	555
<b>SECTION V</b>	
<b><i>Comprehensive Medical Care</i></b>	<b>559</b>
46 Comprehensive Medical Care	561
Index	595