

Contents

VOLUME I

The Infectious Diseases

VIRAL DISEASES	
INTRODUCTION	1
<i>Frank L. Horsfall, Jr.</i>	
COMMON UPPER RESPIRATORY DISEASE.	2
<i>Yale Kneeland, Jr.</i>	
THE COMMON COLD	3
ADENOVIRAL INFECTIONS	7
ACUTE UNDIFFERENTIATED RESPIRATORY DISEASE ("ARD")	8
NONSTREPTOCOCCAL EXUDATIVE PHARYN- GITIS	9
PHARYNGOCONJUNCTIVAL FEVER	9
INFLUENZA	10
<i>Frank L. Horsfall, Jr.</i>	
DENGUE	14
<i>R. Walter Schlesinger</i>	
COLORADO TICK FEVER	16
<i>Lloyd Florio</i>	
YELLOW FEVER	18
<i>J. Austin Kerr</i>	
MEASLES	20
<i>Edwin D. Kilbourne</i>	
RUBELLA	25
<i>Edwin D. Kilbourne</i>	
CYTOMEGALIC INCLUSION DISEASE	27
<i>Edwin D. Kilbourne</i>	
HERPES SIMPLEX	27
<i>Frank L. Horsfall, Jr.</i>	
VARICELLA; HERPES ZOSTER	28
<i>Joseph Stokes, Jr.</i>	
SMALLPOX	30
<i>Joseph Stokes, Jr.</i>	
VACCINIA	36
<i>Joseph Stokes, Jr.</i>	
MUMPS	40
<i>Gordon Meiklejohn</i>	
PSITTACOSIS	43
<i>Frank L. Horsfall, Jr.</i>	
LYMPHOGRANULOMA VENEREUM	45
<i>Virgil Scott</i>	
FOOT-AND-MOUTH DISEASE	47
<i>Walsh McDermott</i>	
LYMPHOCYTIC CHORIOMENINGITIS	48
<i>Charles A. Janeway</i>	
RABIES	50
<i>Hilary Koprowski</i>	
COXSACKIE AND ECHO VIRAL INFEC- TIONS	54
<i>Robert J. Huebner</i>	
HERPANGINA	55
EPIDEMIC PLEURODYNIA	57
"ASEPTIC MENINGITIDES" DUE TO COX- SACKIE AND ECHO VIRUSES	58
EXANTHEMATA AND "ASEPTIC MENINGITIS WITH RASH" DUE TO ECHO VIRUSES.	59
MYOCARDITIS NEONATORUM	59
PREVENTION OF COXSACKIE AND ECHO VIRUS INFECTIONS	60
POLIOMYELITIS	60
<i>John R. Paul</i>	
ENCEPHALITIS LETHARGICA	70
<i>Frank L. Horsfall, Jr.</i>	
ST. LOUIS ENCEPHALITIS	71
<i>Frank L. Horsfall, Jr.</i>	
POSTINFECTION ENCEPHALITIS	72
<i>Frank L. Horsfall, Jr.</i>	
EQUINE ENCEPHALOMYELITIS	74
<i>LeRoy D. Fothergill</i>	
THE DISEASE IN HORSES	74
THE DISEASE IN MAN	75

VIRAL DISEASES (PRESUMPTIVE)		STREPTOCOCCAL INFECTIONS	
EPIDEMIC HEMORRHAGIC FEVER	77	INTRODUCTION	136
<i>David P. Earle</i>		<i>Lowell A. Rantz</i>	
INFECTIOUS MONONUCLEOSIS	80	HEMOLYTIC STREPTOCOCCAL SORE THROAT	141
<i>John Seward Lawrence</i>		<i>Lowell A. Rantz</i>	
CAT SCRATCH DISEASE	83	ACUTE TONSILLITIS AND PHARYNGITIS	141
<i>Worth B. Daniels</i>		<i>Lowell A. Rantz</i>	
ACUTE INFECTIOUS NONBACTERIAL GASTROENTERITIS	85	SCARLET FEVER	143
<i>Irving Gordon</i>		<i>Lowell A. Rantz</i>	
RICKETTSIAL DISEASES		ERYSIPELAS	145
INTRODUCTION	87	<i>Lowell A. Rantz</i>	
<i>John C. Snyder</i>		PERITONSILLAR ABSCESS	147
THE TYPHUS GROUP	89	<i>Lowell A. Rantz</i>	
<i>John C. Snyder</i>		HEMOLYTIC STREPTOCOCCAL PNEUMONIA	148
EPIDEMIC LOUSE-BORNE TYPHUS FEVER ..	89	<i>Lowell A. Rantz</i>	
BRILL-ZINSSER DISEASE	93	RHEUMATIC FEVER	148
MURINE FLEA-BORNE TYPHUS FEVER	95	<i>Maclyn McCarty</i>	
ROCKY MOUNTAIN SPOTTED FEVER	97	STAPHYLOCOCCAL INFECTIONS	
<i>Joseph E. Smadel</i>		INTRODUCTION	160
SCRUB TYPHUS	103	<i>Charles H. Rammelkamp, Jr.</i>	
<i>Joseph E. Smadel</i>		FURUNCLES AND CARBUNCLES	161
RICKETTSIALPOX	107	<i>Charles H. Rammelkamp, Jr.</i>	
<i>Joseph E. Smadel</i>		STAPHYLOCOCCAL PNEUMONIA	162
Q FEVER	109	<i>Charles H. Rammelkamp, Jr.</i>	
<i>John C. Snyder</i>		OSTEOMYELITIS	163
TRENCH FEVER	111	<i>Charles H. Rammelkamp, Jr.</i>	
<i>Henry Pinkerton</i>		STAPHYLOCOCCAL BACTEREMIA	165
BACTERIAL DISEASES		<i>Charles H. Rammelkamp, Jr.</i>	
PNEUMONIA		ENTEROCOLITIS	166
PNEUMOCOCCAL PNEUMONIA	113	<i>Charles H. Rammelkamp, Jr.</i>	
<i>W. Barry Wood, Jr.</i>		GONOCOCCAL INFECTIONS	
PNEUMONIA DUE TO VIRAL AGENTS	130	GONOCOCCAL INFECTIONS	166
<i>Harry M. Rose</i>		<i>William M. M. Kirby</i>	
PNEUMONIA CAUSED BY KNOWN VIRUSES AND RICKETTSIAE	130	MENINGOCOCCAL INFECTIONS	
Psittacosis, 130; Virus Influenzal Pneumonia, 130; Q Fever Pneumonia, 131; Pneumonia in Smallpox, 131; Pneumonia in Chickenpox, 131; Pneumonia in Measles, 131; Pneumonia in Lymphocytic Choriomeningitis, 131; Pneumonia in Adenoviral Infections, 131.		MENINGOCOCCAL INFECTIONS	170
PNEUMONIA CAUSED BY UNIDENTIFIED VIRAL AGENTS OR AGENTS PRESUMED TO BE VIRUSES	131	<i>John H. Dingle</i>	
Pneumonia in Infectious Mononucleosis, 131; Pneumonia in Erythema Exudativum Multiforme, 132.		BACILLARY DISEASES	
PRIMARY ATYPICAL PNEUMONIA	132	HEMOPHILUS INFECTIONS	178
		PERTUSSIS	178
		<i>William L. Bradford</i>	
		HEMOPHILUS INFLUENZAE INFECTIONS ..	182
		Primary H. Influenzae Infections, 182.	
		HEMOPHILUS DUCREYI INFECTIONS	184
		<i>H. E. Alexander</i>	

GRANULOMA INGUINALE	184	Walsh McDermott	losis of the Alimentary Tract, 281; Generalized Forms of Tuberculosis (Acute Generalized Miliary Tuberculosis), 282; (Subacute Forms), 283; (Latent and Chronic Forms), 284; Tuberculosis of the Serous Membranes, 284; Tuberculosis of the Pleura, 285; Tuberculosis of the Lymph Nodes, 286; Tuberculosis of the Urinary Tract, 287; Tuberculosis of the Genital Tract, 288; Tuberculosis of the Meninges and Central Nervous System, 289; Tuberculosis of the Special Structures, 291; Prevention of Tuberculosis, 292.
DIPHTHERIA	185	F. S. Cheever	
CLOSTRIDIUM INFECTIONS	191		
HISTOTOXIC INFECTIONS	191		
Gas Gangrene, 191; Clostridial Gastroenteritis, 194.			
John D. MacLennan (Revised by Harry M. Rose)			
NEUROTOXIC INFECTIONS	194		
Tetanus, 194.			
Harry M. Rose			
SALMONELLA INFECTIONS	201		
TYPHOID FEVER	201		
Paul B. Beeson			
SALMONELLOSIS OTHER THAN TYPHOID FEVER	205		
INFECTIONS WITH THE COLIFORM, PROTEUS AND PSEUDOMONAS GROUPS OF BACILLI	210		
Charles A. Janeway			
KLEBSIELLA INFECTIONS (FRIEDLÄNDER'S BACILLUS)	214		
Maxwell Finland			
KLEBSIELLA PNEUMONIA	214		
CHRONIC KLEBSIELLA INFECTIONS OF THE LUNGS	216		
KLEBSIELLA SEPSIS	217		
BACILLARY DYSENTERY	218		
F. S. Cheever			
CHOLERA	222		
Francis R. Dieuaide			
BRUCELLOSIS	226		
Wesley W. Spink			
PASTEURELLA INFECTIONS	232		
PLAGUE	232		
Francis R. Dieuaide			
TULAREMIA	235		
Karl F. Meyer			
GLANDERS	239		
MELIOIDOSIS	239		
Karl F. Meyer			
ANTHRAX	240		
Karl F. Meyer			
ERYSIPELOID OF ROSENBACH	244		
Karl F. Meyer			
MYCOBACTERIAL INFECTIONS	245		
J. Burns Amberson			
TUBERCULOSIS	245		
General Considerations in Clinical Diagnosis and Treatment of Tuberculosis, 251; Specific Chemotherapy for Tuberculosis, 255; Tuberculosis of the Lungs, 262; Tuberculosis in Children, 279; Tuberculosis of the Larynx, Trachea and Bronchi, 280; Tubercu-			
DISEASES DUE TO ATYPICAL ACID-FAST BACILLI	293		
LEPROSY	294		
Harry L. Arnold, Jr.			
BARTONELLOSIS	302		
Henry Pinkerton			
THE MYCOSES			
ACTINOMYCOSIS	305		
David T. Smith			
NOCARDIOSIS	306		
David T. Smith			
BLASTOMYCOSIS	307		
David T. Smith			
GEOTRICHOSIS	308		
David T. Smith			
COCCIDIOIDOMYCOSIS	308		
David T. Smith			
SOUTH AMERICAN BLASTOMYCOSIS	310		
David T. Smith			
CRYPTOCOCCOSIS	310		
David T. Smith			
HISTOPLASMOSIS	311		
David T. Smith			
CANDIDIASIS	313		
David T. Smith			
SPOROTRICHOSIS	313		
David T. Smith			
MADUROMYCOSIS	315		
David T. Smith			
CHROMOBLASTOMYCOSIS	315		
David T. Smith			
ASPERGILLOSIS	316		
David T. Smith			
PENICILLIOSIS	316		
David T. Smith			
MUCORMYCOSIS	316		
David T. Smith			
RHINOSPORIDIOSIS	317		
David T. Smith			

SPIROCHETAL INFECTIONS		
SYPHILIS	318	
<i>Walsh McDermott</i>		
CLINICAL PICTURE OF SYPHILIS	321	
Late Syphilis, 324; Syphilis in Pregnancy, 326.		
SEROLOGICAL DIAGNOSIS OF SYPHILIS	327	
TREATMENT	327	
INDIVIDUAL PROPHYLAXIS AND THE PREVENTION OF SYPHILIS	331	
PSYCHOLOGICAL AND SOCIAL ASPECTS OF SYPHILITIC INFECTION	331	
NONSYPHILITIC TREPONEMATOSES		
NONSYPHILITIC TREPONEMATOSES	332	
<i>Thomas B. Turner</i>		
YAWS	333	
<i>Thomas B. Turner</i>		
BEJEL	336	
<i>Thomas B. Turner</i>		
PINTA	337	
<i>Thomas B. Turner</i>		
RELAPSING FEVER	338	
<i>Thomas B. Turner</i>		
TROPICAL ULCER	341	
<i>Thomas B. Turner</i>		
RAT-BITE FEVER	342	
<i>Thomas B. Turner</i>		
SPIRILLARY RAT-BITE FEVER	342	
STREPTOBACILLARY FEVER	343	
THE LEPTOSPIROSES	344	
<i>Paul B. Beeson</i>		
WEIL'S DISEASE	345	
PRETIBIAL FEVER	346	
LEPTOSPIRAL MENINGITIS	347	
GRIPPE-LIKE ILLNESS AND OTHER FORMS		
LEPTOSPIRAL INFECTION	347	
PROTOZOAN INFECTIONS		
AMEBIASIS	348	
<i>Howard B. Shookhoff</i>		
COCCIDIOSIS	353	
<i>Harold W. Brown</i>		
MALARIA	354	
<i>L. T. Coggeshall</i>		
TRYPANOSOMIASIS	361	
<i>David Weinman</i>		
AFRICAN TRYPANOSOMIASIS	361	
CHAGAS' DISEASE	363	
LEISHMANIASIS	365	
<i>Francis R. Dieuaide</i>		
KALA-AZAR	366	
CUTANEOUS LEISHMANIASIS	370	
AMERICAN MUCOCUTANEOUS LEISHMANIASIS	371	
TOXOPLASMOSIS	372	
<i>Harold W. Brown</i>		
CILIATE INFECTIONS	373	
<i>Harold W. Brown</i>		
BALANTIDIASIS	373	
METAZOAN INFECTIONS		
METAZOAN INFECTIONS	375	
<i>Harold W. Brown</i>		
THE PLATYHELMINTHES (FLATWORMS)		
TREMATODE OR FLUKE INFECTIONS	376	
<i>Harold W. Brown</i>		
INTESTINAL TREMATODES	376	
Fasciolopsis Buski, 376; Other Intestinal Trematodes, 377.		
HEPATIC TREMATODES	377	
Clonorchis Sinensis, 377; Fasciola Hepatica, 378; Other Hepatic Trematodes, 379.		
PARAGONIMIASIS	379	
SCHISTOSOMIASIS	380	
<i>Harold W. Brown</i>		
INTESTINAL SCHISTOSOMIASIS	380	
VESICAL SCHISTOSOMIASIS	382	
SCHISTOSOME DERMATITIS	384	
CESTODE OR TAPEWORM INFECTIONS	384	
<i>Harold W. Brown</i>		
INTESTINAL CESTODIASIS	384	
VISCERAL AND SOMATIC CESTODIASIS	387	
Echinococcosis, 387; Cysticercosis, 389; Cenurosis, 389; Sparganosis, 390.		
THE NEMATHELMINTHES (ROUNDWORMS)		
THE NEMATHELMINTHES	390	
<i>Harold W. Brown</i>		
TRICHINOSIS	390	
<i>George T. Harrell</i>		
TRICHURIASIS	393	
<i>Harold W. Brown</i>		
STRONGYLOIDIASIS	395	
<i>Harold W. Brown</i>		
ASCARIASIS	396	
<i>Harold W. Brown</i>		
VISCERAL LARVA MIGRANS	398	
<i>Harold W. Brown</i>		
ENTEROBIASIS	399	
<i>Harold W. Brown</i>		
FILARIASIS	401	
<i>Harold W. Brown</i>		
BANCROFTIAN FILARIASIS	402	
FILARIASIS MALAYI	404	
LOAIASIS	404	
ACANTHOCEILONEMA PERSTANS	405	
MANSONELLA OZZARDI	405	
ONCHOCERCIASIS	405	

DRACUNCULOSIS	406	CHIGGERS, REDBUGS OR HARVEST MITES.	413
<i>Harold W. Brown</i>		<i>Harold W. Brown</i>	
HOOKWORM DISEASE	407	MYIASIS	413
<i>Harold W. Brown</i>		<i>Harold W. Brown</i>	
CREEPING ERUPTION	410	VENENATING ARTHROPODS	414
<i>Harold W. Brown</i>		<i>Harold W. Brown</i>	
HETERODERA RADICICOLA	410	ARTHROPODS AS MECHANICAL CARRIERS OF DISEASE	415
<i>Harold W. Brown</i>		<i>Harold W. Brown</i>	
HIRUDINEA		ARTHROPOD INTERMEDIATE HOSTS	416
HIRUDINIASIS	411	<i>Harold W. Brown</i>	
<i>Harold W. Brown</i>		DISEASES OF UNPROVED ETIOLOGY	
ARTHROPODS AND HUMAN DISEASE		SARCOIDOSIS	417
SCABIES	412	<i>Charles A. LeMaistre</i>	
<i>Harold W. Brown</i>		MILIARY FEVER	424
PEDICULOSIS	412	<i>Russell L. Cecil</i>	
<i>Harold W. Brown</i>		AINHUM	424
FLEAS	413	<i>Russell L. Cecil</i>	
<i>Harold W. Brown</i>		MILK SICKNESS	425
		<i>Russell L. Cecil</i>	

Diseases of Allergy

INTRODUCTION	427	CONTACT DERMATITIS	451
RELATION OF ANTIGEN-ANTIBODY REAC- TIONS TO ALLERGIC DISEASES	427	<i>William B. Sherman</i>	
<i>Elvin A. Kabat</i>		URTICARIA	453
HAY FEVER	432	<i>William B. Sherman</i>	
<i>William B. Sherman</i>		ANGIONEUROTIC EDEMA	454
NONSEASONAL ALLERGIC RHINITIS, VASO- MOTOR RHINITIS	436	<i>William B. Sherman</i>	
ASTHMA	437	ERYTHEMAS	455
<i>William B. Sherman</i>		<i>William B. Sherman</i>	
DRUG ALLERGY	445	TOXIC ERYTHEMA	455
<i>Lewis Thomas</i>		ERYTHEMA MULTIFORME	456
SERUM SICKNESS	448	ERYTHEMA NODOSUM	456
<i>Lewis Thomas</i>			

Diseases of Connective Tissue

INTRODUCTION	458	CRANIAL (TEMPORAL) ARTERITIS	471
<i>A. McGehee Harvey</i>		<i>A. McGehee Harvey</i>	
SYSTEMIC LUPUS ERYTHEMATOSUS	460	PROGRESSIVE SYSTEMIC SCLEROSIS	472
<i>A. McGehee Harvey</i>		<i>A. McGehee Harvey</i>	
DERMATOMYOSITIS	465	SCLEREDEMA	474
<i>A. McGehee Harvey</i>		<i>A. McGehee Harvey</i>	
POLYARTERITIS	467	THROMBOTIC THROMBOPENIC PURPURA.	475
<i>A. McGehee Harvey</i>		<i>A. McGehee Harvey</i>	

DRACUNCULOSIS	406	CHIGGERS, REDBUGS OR HARVEST MITES.	413
<i>Harold W. Brown</i>		<i>Harold W. Brown</i>	
HOOKWORM DISEASE	407	MYIASIS	413
<i>Harold W. Brown</i>		<i>Harold W. Brown</i>	
CREEPING ERUPTION	410	VENENATING ARTHROPODS	414
<i>Harold W. Brown</i>		<i>Harold W. Brown</i>	
HETERODERA RADICICOLA	410	ARTHROPODS AS MECHANICAL CARRIERS OF DISEASE	415
<i>Harold W. Brown</i>		<i>Harold W. Brown</i>	
HIRUDINEA		ARTHROPOD INTERMEDIATE HOSTS	416
HIRUDINIASIS	411	<i>Harold W. Brown</i>	
<i>Harold W. Brown</i>		DISEASES OF UNPROVED ETIOLOGY	
ARTHROPODS AND HUMAN DISEASE		SARCOIDOSIS	417
SCABIES	412	<i>Charles A. LeMaistre</i>	
<i>Harold W. Brown</i>		MILIARY FEVER	424
PEDICULOSIS	412	<i>Russell L. Cecil</i>	
<i>Harold W. Brown</i>		AINHUM	424
FLEAS	413	<i>Russell L. Cecil</i>	
<i>Harold W. Brown</i>		MILK SICKNESS	425
		<i>Russell L. Cecil</i>	

Diseases of Allergy

INTRODUCTION	427	CONTACT DERMATITIS	451
RELATION OF ANTIGEN-ANTIBODY REAC- TIONS TO ALLERGIC DISEASES	427	<i>William B. Sherman</i>	
<i>Elvin A. Kabat</i>		URTICARIA	453
HAY FEVER	432	<i>William B. Sherman</i>	
<i>William B. Sherman</i>		ANGIONEUROTIC EDEMA	454
NONSEASONAL ALLERGIC RHINITIS, VASO- MOTOR RHINITIS	436	<i>William B. Sherman</i>	
ASTHMA	437	ERYTHEMAS	455
<i>William B. Sherman</i>		<i>William B. Sherman</i>	
DRUG ALLERGY	445	TOXIC ERYTHEMA	455
<i>Lewis Thomas</i>		ERYTHEMA MULTIFORME	456
SERUM SICKNESS	448	ERYTHEMA NODOSUM	456
<i>Lewis Thomas</i>			

Diseases of Connective Tissue

INTRODUCTION	458	CRANIAL (TEMPORAL) ARTERITIS	471
<i>A. McGehee Harvey</i>		<i>A. McGehee Harvey</i>	
SYSTEMIC LUPUS ERYTHEMATOSUS	460	PROGRESSIVE SYSTEMIC SCLEROSIS	472
<i>A. McGehee Harvey</i>		<i>A. McGehee Harvey</i>	
DERMATOMYOSITIS	465	SCLEREDEMA	474
<i>A. McGehee Harvey</i>		<i>A. McGehee Harvey</i>	
POLYARTERITIS	467	THROMBOTIC THROMBOPENIC PURPURA.	475
<i>A. McGehee Harvey</i>		<i>A. McGehee Harvey</i>	

Diseases Due to Physical Agents

HEAT EXHAUSTION, HEAT STROKE AND HEAT CRAMPS	476	BLAST INJURY	483
<i>Robert C. Darling</i>		<i>Robert C. Darling</i>	
DECOMPRESSION ILLNESS	478	MOTION SICKNESS	484
<i>Robert C. Darling</i>		<i>Alvan L. Barach</i>	
HIGH ALTITUDE SICKNESS	480	ELECTRIC SHOCK	484
<i>Robert C. Darling</i>		<i>W. J. McConnell</i>	

Diseases Due to Chemical Agents

CARBON MONOXIDE POISONING	487	METHEMOGLOBINEMIA AND SULFHEMO- GLOBINEMIA	505
<i>W. J. McConnell</i>		<i>Henry Aranow, Jr.</i>	
SILO FILLER'S DISEASE	489	CHRONIC BROMIDE POISONING	507
<i>W. J. McConnell</i>		<i>Henry Aranow, Jr.</i>	
CARBON TETRACHLORIDE POISONING ...	489	SALICYLATE POISONING	508
<i>W. J. McConnell</i>		<i>Henry Aranow, Jr.</i>	
BENZENE POISONING	491	METHYL ALCOHOL POISONING	509
<i>W. J. McConnell</i>		<i>Henry Aranow, Jr.</i>	
BERYLLIUM POISONING	492	RADIATION INJURY	510
<i>W. J. McConnell</i>		<i>Leon O. Jacobson</i>	
MERCURY POISONING	494	HYPERVITAMINOSIS	515
<i>W. J. McConnell</i>		<i>Tom D. Spies</i>	
ACUTE POISONING	494	SNAKE VENOM POISONING	517
SUBACUTE POISONING	495	<i>Afrânio do Amaral</i>	
INDUSTRIAL POISONING	495	FOOD POISONING	521
ARSENIC POISONING	496	<i>G. M. Dack</i>	
<i>W. J. McConnell</i>		INTRODUCTION	521
METAL FUME FEVER	498	BACTERIAL FOOD POISONING	522
<i>W. J. McConnell</i>		Preformed Toxins, 522; (Botulism), 522; (Staphylococcal Food Poisoning), 524; Living Organisms, 525; (Salmo- nella Food Poisoning), 525; (Micro- organisms in Relation to Food Poison- ing), 525.	
LEAD POISONING	498		
<i>Robert Kehoe</i>			

Deficiency Diseases

INTRODUCTION	527	VITAMIN C DEFICIENCY	555
<i>DeWitt Stetten, Jr.</i>		<i>Rustin McIntosh</i>	
UNDERNUTRITION	533	VITAMIN D DEFICIENCY	559
<i>John B. Youmans</i>		<i>A. Ashley Weech</i>	
KWASHIORKOR	537	VITAMIN E DEFICIENCY	563
<i>John B. Youmans</i>		<i>Tom D. Spies</i>	
VITAMIN A DEFICIENCY	539	VITAMIN K DEFICIENCY	564
<i>Tom D. Spies</i>		<i>Tom D. Spies</i>	
VITAMIN B DEFICIENCIES	542	MIXED DEFICIENCY DISEASES	565
<i>Tom D. Spies</i>		<i>Tom D. Spies</i>	
BERIBERI	542	SPRUE AND ALLIED MALABSORPTION SYNDROMES	566
PELLAGRA	545	<i>Eric E. Wollaeger</i>	
RIBOFLAVIN DEFICIENCY	551		
ACRODYNIA	552		
BURNING FEET SYNDROME	553		
PANTOTHENIC ACID DEFICIENCY	553		
VITAMINS (FOLIC ACID AND VITAMIN B ₁₂) AND BLOOD REGENERATION	554		

Diseases of Metabolism

INBORN ERRORS OF METABOLISM	573	OBESITY	636
<i>Alexander B. Gutman</i>		<i>Cyril M. MacBryde</i>	
INTRODUCTION	573	ATHEROSCLEROSIS	641
CONGENITAL METHEMOGLOBINEMIA	575	<i>David P. Barr</i>	
THE GLYCOGEN STORAGE DISEASES	576	XANTHOMATOSIS	646
GALACTOSEMIA	577	<i>David P. Barr</i>	
RENAL GLYCOSURIA	578	CARCINOID SYNDROME	648
FRUCTOSURIA	578	<i>Albert Sjoerdsma</i>	
PENTOSURIA	578	THE LIPOMATOSES	650
OXALOSIS	578	<i>Alexander B. Gutman</i>	
CYSTINOSIS	579	AMYLOIDOSIS	652
THE AMINOACIDURIAS	579	<i>Alexander B. Gutman</i>	
FANCONI SYNDROME	580	MELANOSIS AND MELANURIA	655
RENAL HYPOPHOSPHATEMIA	581	<i>Alexander B. Gutman</i>	
RENAL TUBULAR ACIDOSIS	582	HEMOCHROMATOSIS	656
ALKAPTONURIA AND OCHRONOSIS	583	<i>Clement A. Finch</i>	
<i>J. Murray Steele</i>		AGAMMAGLOBULINEMIA	658
PHENYLPIRUVIC OLIGOPHRENIA	584	<i>Charles A. Janeway</i>	
<i>S. Z. Levine</i>		DEHYDRATION AND FLUID BALANCE: PHYSIOLOGICAL PRINCIPLES	659
HEPATOLENTICULAR DEGENERATION	587	<i>Robert W. Berliner</i>	
<i>D. Denny-Brown</i>		HYPONATREMIA	665
FAMILIAL PERIODIC PARALYSIS	588	<i>Robert W. Berliner</i>	
<i>A. T. Milhorat</i>		HYPOKALEMIA	667
PORPHYRIA	589	<i>Robert W. Berliner</i>	
<i>C. J. Watson</i>		ACIDOSIS	669
GOUT AND GOUTY ARTHRITIS	595	<i>P. H. Lavietes</i>	
<i>Philip S. Hench</i>		ALKALOSIS	674
DIABETES INSIPIDUS	608	<i>P. H. Lavietes</i>	
<i>John V. Taggart</i>			
DIABETES MELLITUS	609		
<i>Robert F. Loeb</i>			
SPONTANEOUS HYPOGLYCEMIA	632		
<i>Robert F. Loeb</i>			

Diseases of the Ductless Glands

INTRODUCTION	676	THYROIDITIS	690
<i>Fuller Albright</i>		<i>John B. Stanbury</i>	
DISEASES OF THE THYROID GLAND		THYROID NODULES AND MALIGNANT DISEASE OF THE THYROID	692
NORMAL PHYSIOLOGY OF THE THYROID GLAND	679	<i>John B. Stanbury</i>	
<i>John B. Stanbury</i>		HYPOTHYROIDISM	693
TESTS OF THYROID FUNCTION	680	<i>John B. Stanbury</i>	
SIMPLE NONENDEMIC GOITER	682	DISEASES OF THE PARATHYROID GLAND	
<i>John B. Stanbury</i>		DISEASES OF THE PARATHYROID GLAND	697
ENDEMIC GOITER	682	<i>F. C. Bartter</i>	
<i>John B. Stanbury</i>		PRIMARY HYPERPARATHYROIDISM	697
HYPERTHYROIDISM	684	HYPOPARATHYROIDISM	699
<i>John B. Stanbury</i>		TETANY	700
		PSEUDOHYPOPARATHYROIDISM	702

DISEASES OF THE PITUITARY GLAND		DISEASES OF THE SEX GLANDS	
THE HORMONES OF THE ANTERIOR LOBE 704		DISEASES OF THE MALE GONADS 745	
<i>A. T. Kenyon</i>		<i>Melvin M. Grumbach</i>	
HYPERPITUITARISM 709		SEX DETERMINATION AND SEX DIFFERENTIATION 745	
ACROMEGALY AND GIGANTISM 709		<i>Melvin M. Grumbach</i>	
<i>A. T. Kenyon</i>		CHEMISTRY AND PHYSIOLOGY 746	
HYPOPITUITARISM 714		<i>Melvin M. Grumbach</i>	
<i>A. T. Kenyon</i>		EVALUATION OF TESTICULAR FUNCTION 747	
SIMMONDS' DISEASE 715		<i>Melvin M. Grumbach</i>	
HYPOPITUITARISM DURING CHILDHOOD (INCLUDING ATELEIOSIS) 719		PUBERTAL DEVELOPMENT IN THE MALE 749	
FRÖHLICH'S SYNDROME 720		<i>Melvin M. Grumbach</i>	
ANOREXIA NERVOSA 720		SEXUAL PRECOCITY 750	
		<i>Melvin M. Grumbach</i>	
STEROID PHYSIOLOGY AND METABOLISM		HYPOGONADISM 751	
STEROID PHYSIOLOGY AND METABOLISM 722		<i>Melvin M. Grumbach</i>	
<i>Joseph W. Jailer</i>		PRIMARY HYPOGONADISM 752	
		SECONDARY HYPOGONADISM 753	
DISEASES OF THE ADRENAL GLANDS		TREATMENT OF ANDROGEN DEFICIENCY 755	
INTRODUCTION 727		<i>Melvin M. Grumbach</i>	
<i>George W. Thorn</i>		CRYPTORCHIDISM 755	
DISEASES OF THE ADRENAL MEDULLA .. 728		<i>Melvin M. Grumbach</i>	
<i>George W. Thorn</i>		IMPOTENCE 757	
ADRENAL MEDULLARY HYPERFUNCTION .. 728		<i>Melvin M. Grumbach</i>	
NONFUNCTIONING TUMORS ARISING FROM MEDULLARY TISSUE 730		MALE CLIMACTERIC 757	
		<i>Melvin M. Grumbach</i>	
DISEASES OF THE ADRENAL CORTEX 731		ORCHITIS 757	
<i>George W. Thorn</i>		<i>Melvin M. Grumbach</i>	
INTRODUCTION 731		TUMORS OF TESTIS 757	
ADRENOCORTICAL HORMONE AND CORTICOTROPIN PREPARATIONS AVAILABLE FOR CLINICAL USE 732		<i>Melvin M. Grumbach</i>	
HYPOFUNCTION OF THE ADRENAL CORTEX. 733		HERMAPHRODISM 758	
ACUTE ADRENAL CORTICAL INSUFFICIENCY. 733		<i>Melvin M. Grumbach</i>	
CHRONIC ADRENAL CORTICAL INSUFFICIENCY 735		DISEASES OF THE FEMALE GONADS	
Primary Failure (Addison's Disease), 735; Chronic Adrenal Cortical Insufficiency Secondary to Pituitary Failure, 737; Chronic Adrenal Cortical Insufficiency Secondary to Adrenalectomy, 737; Chronic Adrenal Insufficiency Associated with Congenital Adrenal Cortical Hyperplasia, 738.		DISEASES OF THE FEMALE GONADS 759	
HYPERFUNCTION OF THE ADRENAL CORTEX. 738		<i>C. Lee Buxton</i>	
CUSHING'S SYNDROME 738		MENARCHE 760	
ADRENOGENITAL SYNDROME AND ADRENAL VIRILISM 741		<i>C. Lee Buxton</i>	
HYPERALDOSTERONISM 742		OVARIAN ABNORMALITIES DURING ACTIVE MENSTRUAL LIFE 763	
NONFUNCTIONING ADRENAL CORTICAL TUMORS 744		<i>C. Lee Buxton</i>	
		THERAPY OF INADEQUATE HORMONAL FUNCTION OF THE OVARY 764	
		THE MENOPAUSE 767	
		<i>C. Lee Buxton</i>	
		DISEASES OF THE THYMUS GLAND	
		DISEASES OF THE THYMUS GLAND 771	
		<i>A. McGehee Harvey</i>	