





KLEBSIELLA INFECTIONS (FRIEDLÄNDER'S BACILLUS) ..... 236  
*Maxwell Finland*

KLEBSIELLA PNEUMONIA ..... 236

CHRONIC KLEBSIELLA INFECTIONS OF THE LUNGS ..... 238

KLEBSIELLA SEPSIS ..... 239

FOCAL INFECTIONS DUE TO KLEBSIELLA ..... 240

✓BACILLARY DYSENTERY ..... 241  
*F. S. Cheever*

✓CHOLERA ..... 246  
*Francis R. Dieuaide*

✓BRUCELLOSIS ..... 249  
*Wesley W. Spink*

PASTEURELLA INFECTIONS ..... 256  
*Francis R. Dieuaide*

PLAGUE ..... 256  
*Karl F. Meyer*

TULAREMIA ..... 260

GLANDERS ..... 263  
*Karl F. Meyer*

✓ANTHRAX ..... 266  
*Karl F. Meyer*

TUBERCULOSIS ..... 271  
*J. Burns Amberson*

GENERAL CONSIDERATIONS IN CLINICAL DIAGNOSIS AND TREATMENT OF TUBERCULOSIS ..... 278

SPECIFIC CHEMOTHERAPY FOR TUBERCULOSIS ..... 282

TUBERCULOSIS OF THE LUNGS ..... 286

TUBERCULOSIS IN CHILDREN ..... 305

TUBERCULOSIS OF THE LARYNX, TRACHEA AND BRONCHI ..... 306

TUBERCULOSIS OF THE ALIMENTARY TRACT ..... 307

GENERALIZED FORMS OF TUBERCULOSIS ..... 308

Acute Generalized Miliary Tuberculosis, 308; Subacute Forms, 309; Latent and Chronic Forms, 309.

TUBERCULOSIS OF THE SEROUS MEMBRANES ..... 310

Tuberculosis of the Pleura, 310.

TUBERCULOSIS OF THE LYMPH NODES ..... 314

TUBERCULOSIS OF THE URINARY TRACT ..... 315

TUBERCULOSIS OF THE GENITAL TRACT ..... 316

TUBERCULOSIS OF THE MENINGES AND CENTRAL NERVOUS SYSTEM .... 317

TUBERCULOSIS OF THE SPECIAL STRUCTURES ..... 319

PREVENTION OF TUBERCULOSIS ..... 320

✓LEPROSY ..... 321  
*Frederick A. Johansen*

BARTONELLOSIS ..... 326  
*Henry Pinkerton*

**THE MYCOSES**

ACTINOMYCOSIS ..... 329  
*David T. Smith*

BLASTOMYCOSIS ..... 330  
*David T. Smith*

GEOTRICHOSIS ..... 332  
*David T. Smith*

COCCIDIOIDOMYCOSIS ..... 333  
*David T. Smith*

SOUTH AMERICAN BLASTOMYCOSIS ..... 334  
*David T. Smith*

CRYPTOCOCCOSIS ..... 335  
*David T. Smith*

HISTOPLASMOSIS ..... 336  
*David T. Smith*

MONILIASIS ..... 338  
*David T. Smith*

SPOROTRICHOSIS ..... 339  
*David T. Smith*

MADUROMYCOSIS ..... 340  
*David T. Smith*

CHROMOBLASTOMYCOSIS ..... 340  
*David T. Smith*

ASPERGILLOSIS ..... 341  
*David T. Smith*

PENICILLIOSIS ..... 341  
*David T. Smith*

MUCORMYCOSIS ..... 342  
*David T. Smith*

RHINOSPORIDIOSIS ..... 342  
*David T. Smith*

**SPIROCHETAL INFECTIONS**

✓SYPHILIS ..... 343  
*Walsh McDermott*

CLINICAL PICTURE OF SYPHILIS ..... 346

Late Syphilis, 349; Syphilis in Pregnancy, 351.

SEROLOGIC DIAGNOSIS OF SYPHILIS .. 352

TREATMENT ..... 353

INDIVIDUAL PROPHYLAXIS AND THE PREVENTION OF SYPHILIS ..... 356

PSYCHOLOGIC AND SOCIAL ASPECTS OF SYPHILITIC INFECTION ..... 357

✓SYPHILITIC AORTITIS AND ANEURYSM .... 357  
*Hugh J. Morgan*

CLINICAL AND SUBCLINICAL FORMS OF AORTIC SYPHILIS ..... 358

✓ <u>SYPHILIS OF THE CENTRAL NERVOUS SYSTEM</u> . . . . .	364	CILIATE INFECTIONS . . . . .	417
<i>Harry C. Solomon</i>		<i>Ernest Carroll Faust</i>	
<u>ASYMPTOMATIC NEUROSYPHILIS</u> . . . . .	365	BALANTIDIASIS . . . . .	417
<u>MENINGOVASCULAR NEUROSYPHILIS</u> . . . . .	365	SARCOSPORIDIOSIS . . . . .	418
<u>TABETIC NEUROSYPHILIS</u> . . . . .	367	<i>Ernest Carroll Faust</i>	
<u>PARETIC NEUROSYPHILIS</u> . . . . .	369		
TREATMENT . . . . .	372		
		<b>METAZOAN INFECTIONS</b>	
<b>NONSYPHILITIC TREPONEMATOSES</b>		<b>THE PLATYHELMINTHES</b>	
NONSYPHILITIC TREPONEMATOSES . . . . .	374	TREMATODE OR FLUKE INFECTIONS . . . . .	420
<i>Thomas B. Turner</i>		<i>Ernest Carroll Faust</i>	
YAWS . . . . .	375	INTESTINAL DISTOMIASIS . . . . .	420
<i>Thomas B. Turner</i>		Fasciolopsis Buski, 420; Other Intes-	
BEJEL . . . . .	378	tinal Flukes, 421.	
<i>Thomas B. Turner</i>		AMPHISTOMES . . . . .	422
PINTA . . . . .	379	HEPATIC DISTOMIASIS . . . . .	422
<i>Thomas B. Turner</i>		Fasciola, 422; Other Hepatic Flukes,	
		423.	
		PULMONARY DISTOMIASIS . . . . .	423
✓ <u>RELAPSING FEVER</u> . . . . .	380	✓ <u>SCHISTOSOMIASIS</u> . . . . .	424
<i>James Stevens Simmons</i>		<i>Ernest Carroll Faust</i>	
✓ <u>RAT-BITE FEVER</u> . . . . .	385	INTESTINAL AND VISCERAL SCHISTOSO-	
<i>Thomas B. Turner</i>		MIASIS . . . . .	425
SPIRILLARY RAT-BITE FEVER . . . . .	386	VESICAL SCHISTOSOMIASIS . . . . .	427
STREPTOBACILLARY FEVER . . . . .	386	SCHISTOSOME DERMATITIS . . . . .	428
THE LEPTOSPIROSES . . . . .	388	CESTODE OR TAPEWORM INFECTIONS . . . . .	428
<i>Paul B. Beeson</i>		<i>Ernest Carroll Faust</i>	
WEIL'S DISEASE . . . . .	388	INTESTINAL CESTODIASIS . . . . .	429
PRETIBIAL FEVER . . . . .	390	VISCERAL AND SOMATIC CESTODIASIS . . . . .	431
LEPTOSPIRAL MENINGITIS . . . . .	390	Cysticercosis, 431; Echinococcosis,	
GRIPPE-LIKE ILLNESS AND OTHER		431; Sparganosis, 433.	
FORMS OF LEPTOSPIRAL INFEC-			
TION . . . . .	390		
		<b>THE NEMATODA</b>	
<b>PROTOZOAN INFECTIONS</b>		THE NEMATODA . . . . .	433
✓ <u>AMEBIASIS</u> . . . . .	392	<i>Ernest Carroll Faust</i>	
<i>Howard B. Shookhoff</i>		TRICHINOSIS . . . . .	434
SPOROZOAN INFECTIONS . . . . .	397	<i>George T. Harrell</i>	
<i>Ernest Carroll Faust</i>		TRICHOCEPHALIASIS . . . . .	437
COCCIDIOSIS . . . . .	398	<i>Ernest Carroll Faust</i>	
✓ <u>MALARIA</u> . . . . .	398	STRONGYLOIDIASIS . . . . .	438
<i>L. T. Coggeshall</i>		<i>Ernest Carroll Faust</i>	
TRYPANOSOMIASIS . . . . .	406	CREeping ERUPTION . . . . .	440
<i>W. H. Taliaferro</i>		<i>Ernest Carroll Faust</i>	
AFRICAN TRYPANOSOMIASIS . . . . .	406	✓ <u>ASCARIASIS</u> . . . . .	440
SOUTH AMERICAN TRYPANOSOMIASIS . . . . .	408	<i>Ernest Carroll Faust</i>	
✓ <u>LEISHMANIASIS</u> . . . . .	409	✓ <u>VISCERAL LARVA MIGRANS</u> . . . . .	442
<i>Francis R. Dieuaide</i>		<i>Ernest Carroll Faust</i>	
KALA-AZAR . . . . .	409	✓ <u>ENTEROBIASIS</u> . . . . .	443
ORIENTAL CUTANEOUS LEISHMANIASIS . . . . .	414	<i>Ernest Carroll Faust</i>	
AMERICAN MUCOCUTANEOUS LEISH-		✓ <u>FILARIASIS</u> . . . . .	444
MANIASAS . . . . .	415	<i>Ernest Carroll Faust</i>	
✓ <u>TOXOPLASMOSIS</u> . . . . .	416	BANCROFT'S FILARIASIS . . . . .	444
<i>Ernest Carroll Faust</i>		FILARIASIS MALAYI . . . . .	446
		OTHER FILARIAL INFECTIONS . . . . .	446



ONCHOCERCOSIS .....	446	MYIASIS .....	454
LOAIASIS .....	447	VENENATING ARTHROPODS .....	454
DIROFILARIASIS .....	447		
DRACUNCULOSIS .....	448	ARTHROPODS AS MECHANICAL CARRIERS OR	
<i>Ernest Carroll Faust</i>		ESSENTIAL HOSTS .....	455
		<i>Ernest Carroll Faust</i>	
✓HOOKWORM DISEASE .....	448		
<i>Henry E. Meleney</i>		<b>DISEASES OF UNPROVED ETIOLOGY</b>	
		✓SARCOIDOSIS .....	457
ARTHROPODS AND HUMAN DISEASE		<i>William S. Middleton</i>	
ARTHROPODS AND HUMAN DISEASE .....	453	MILIARY FEVER .....	461
<i>Ernest Carroll Faust</i>		<i>Russell L. Cecil</i>	
ARTHROPODS AS CAUSATIVE AGENTS OF DIS-		AINHUM .....	462
EASE .....	453	<i>Russell L. Cecil</i>	
<i>Ernest Carroll Faust</i>		MILK SICKNESS .....	463
SARCOPTIC ITCH .....	453	<i>Russell L. Cecil</i>	
PEDICULOSIS .....	454		
BITES .....	454		

**DISEASES OF ALLERGY**

✓INTRODUCTION .....	464	CONTACT DERMATITIS .....	488
<i>Elvin A. Kabat</i>		<i>Harry L. Alexander</i>	
RELATION OF ANTIGEN-ANTIBODY RE-		✓ANGIONEUROTIC EDEMA .....	489
ACTIONS TO ALLERGIC DISEASES .	464	<i>George M. Mackenzie (Revised by Harry</i>	
✓HAY FEVER .....	469	<i>L. Alexander)</i>	
<i>William B. Sherman</i>		✓URTICARIA .....	491
NONSEASONAL ALLERGIC RHINITIS,		<i>Harry L. Alexander</i>	
VASOMOTOR RHINITIS .....	473	✓PURPURA .....	492
✓ASTHMA .....	474	<i>Harry L. Alexander</i>	
<i>William B. Sherman</i>		ERYTHEMAS .....	492
DRUG ALLERGY .....	482	<i>Harry L. Alexander</i>	
<i>Lewis Thomas</i>		ERYTHEMA MULTIFORME .....	492
✓SERUM SICKNESS .....	485	ERYTHEMA NODOSUM .....	492
<i>Lewis Thomas</i>			

**COLLAGEN DISEASES**

✓INTRODUCTION .....	494	<del>POLYARTERITIS .....</del>	<del>504</del>
<i>Paul Klemperer</i>		<i>A. McGehee Harvey</i>	
<del>DISSEMINATED LUPUS ERYTHEMATOSUS .</del>	<del>495</del>	<del>PROGRESSIVE SYSTEMIC SCLEROSIS .</del>	<del>507</del>
<i>George Baehr</i>		<i>A. McGehee Harvey</i>	
<del>DERMATOMYOSITIS .....</del>	<del>501</del>	<del>SCLEREDEMA .....</del>	<del>509</del>
<i>A. McGehee Harvey</i>		<i>A. McGehee Harvey</i>	

**DISEASES DUE TO PHYSICAL AGENTS**

AVIATION MEDICINE .....	511	DECOMPRESSION ILLNESS .....	519
<i>Ashton Graybiel</i>		<i>Robert C. Darling</i>	
FLYING STRESS .....	511	BLAST INJURY .....	521
FITNESS FOR FLIGHT .....	515	<i>Robert C. Darling</i>	
THE FINAL EVALUATION .....	516	MOUNTAIN SICKNESS .....	522
MOTION SICKNESS .....	516	<i>W. J. McConnell</i>	
<i>Alvan L. Barach</i>		ELECTRIC SHOCK .....	523
HEAT EXHAUSTION, HEAT STROKE AND		<i>W. J. McConnell</i>	
HEAT CRAMPS .....	517		
<i>Robert C. Darling</i>			

## DISEASES DUE TO CHEMICAL AGENTS

✓ CARBON MONOXIDE POISONING . . . . .	525	CHRONIC BARBITURATE INTOXICATION (BARBITURATE ADDICTION) . . . . .	557
<i>W. J. McConnell</i>			
CARBON TETRACHLORIDE POISONING . . . . .	527	✓ ALCOHOLISM . . . . .	559
<i>W. J. McConnell</i>		<i>Thomas A. C. Rennie</i>	
BENZENE POISONING . . . . .	529	ACUTE ALCOHOLISM . . . . .	561
<i>W. J. McConnell</i>		CHRONIC ALCOHOLISM . . . . .	562
CHRONIC BROMIDE POISONING . . . . .	530	Delirium Tremens, 565; Clinical Dis- orders Related to Chronic Alcoholism, 566.	
<i>W. J. McConnell</i>		METHYL ALCOHOL POISONING . . . . .	567
ENTEROGENOUS CYANOSIS . . . . .	531	<i>Thomas A. C. Rennie</i>	
<i>Joseph L. Lilienthal, Jr.</i>		MARIHUANA INTOXICATION . . . . .	568
✓ ARSENIC POISONING . . . . .	533	<i>Thomas A. C. Rennie</i>	
<i>W. J. McConnell</i>		✓ OPIUM POISONING . . . . .	570
MERCURY POISONING . . . . .	534	<i>Harris Isbell</i>	
<i>W. J. McConnell</i>		ACUTE OPIUM POISONING . . . . .	570
ACUTE POISONING . . . . .	534	CHRONIC OPIUM POISONING . . . . .	571
SUBACUTE POISONING . . . . .	535	COCAINE POISONING . . . . .	576
INDUSTRIAL POISONING . . . . .	535	<i>Harris Isbell</i>	
✓ LEAD POISONING . . . . .	536	ACUTE COCAINE POISONING . . . . .	576
<i>Randolph K. Byers</i>		CHRONIC COCAINE POISONING . . . . .	577
BERYLLIUM POISONING . . . . .	541	CHRONIC POISONING WITH SYMPATHOMI- METIC AMINES . . . . .	578
<i>W. J. McConnell</i>		<i>Harris Isbell</i>	
✓ RADIATION INJURY . . . . .	543	SNAKE VENOM POISONING . . . . .	578
<i>Leon O. Jacobson</i>		<i>Afrânio do Amaral</i>	
✓ WAR GASES . . . . .	548	✓ FOOD POISONING . . . . .	582
<i>John R. Wood</i>		<i>G. M. Dack</i>	
THE NERVE GASES . . . . .	548	INTRODUCTION . . . . .	582
MUSTARD GAS . . . . .	549	BACTERIAL FOOD POISONING . . . . .	584
✓ HYPERVITAMINOSIS . . . . .	552	Preformed Toxins, 584; Botulism, 584; Staphylococcal Food Poisoning, 585; Living Organisms, 587; Salmon- ella Food Poisoning, 587; Enterococci in Relation to Food Poisoning, 587.	
✓ BARBITURATE POISONING . . . . .	553		
<i>Harris Isbell</i>			
ACUTE BARBITURATE POISONING . . . . .	553		
<b>DEFICIENCY DISEASES</b>			
✓ INTRODUCTION . . . . .	588	<del>VITAMIN C DEFICIENCY . . . . .</del>	615
<i>John B. Youmans</i>		<i>Rustin McIntosh</i>	
UNDERNUTRITION . . . . .	591	<del>VITAMIN D DEFICIENCY . . . . .</del>	619
<i>John B. Youmans</i>		<i>A. Ashley Weech</i>	
✓ <del>VITAMIN A DEFICIENCY . . . . .</del>	596	<del>VITAMIN E DEFICIENCY . . . . .</del>	623
<i>Tom D. Spies</i>		<i>Tom D. Spies</i>	
<del>VITAMIN B DEFICIENCY . . . . .</del>	599	<del>VITAMIN K DEFICIENCY . . . . .</del>	624
<i>Tom D. Spies</i>		<i>Tom D. Spies</i>	
BERIBERI . . . . .	599	<del>MIXED DEFICIENCY DISEASES . . . . .</del>	626
PELLAGRA . . . . .	603	<i>Tom D. Spies</i>	
RIBOFLAVIN DEFICIENCY . . . . .	610	KWASHIORKOR . . . . .	627
ACRODYNIA . . . . .	611		
BURNING FEET SYNDROME . . . . .	612	SPRUE . . . . .	627
PYRIDOXINE (VITAMIN B <sub>6</sub> ) DEFICIENCY . . . . .	612	<i>Ramon M. Suárez</i>	
VITAMINS (FOLIC ACID AND VITAMIN B <sub>12</sub> ) AND BLOOD REGENERATION . . . . .	613		

DISEASES OF METABOLISM

• INBORN ERRORS OF METABOLISM . . . . .	632	OBESITY . . . . .	689
<i>Alexander B. Gutman</i>		<i>Cyril M. MacBryde</i>	
THE GLYCOGEN STORAGE DISEASES . . . . .	632	THE LIPOMATOSES . . . . .	695
CONGENITAL GALACTOSEMIA . . . . .	634	<i>Alexander B. Gutman</i>	
FRUCTOSURIA . . . . .	634	ATHEROSCLEROSIS . . . . .	697
CONGENITAL METHEMOGLOBINEMIA . . . . .	634	<i>David P. Barr</i>	
PENTOSURIA . . . . .	634	XANTHOMATOSIS . . . . .	702
FANCONI SYNDROME . . . . .	635	<i>David P. Barr</i>	
CYSTINURIA AND CYSTINOSIS . . . . .	637	ACIDOSIS . . . . .	704
<i>J. Murray Steele</i>		<i>P. H. Lavietes</i>	
ALKAPTONURIA AND OCHRONOSIS . . . . .	637	ALKALOSIS . . . . .	710
<i>D. Denny-Brown</i>		<i>P. H. Lavietes</i>	
HEPATOLENTICULAR DEGENERATION . . . . .	638	DEHYDRATION AND FLUID BALANCE: PHYSIOLOGICAL PRINCIPLES . . . . .	711
<i>A. T. Milhorat</i>		<i>Robert W. Berliner</i>	
FAMILIAL PERIODIC PARALYSIS . . . . .	640	AMYLOIDOSIS . . . . .	717
<i>S. Z. Levine; Margaret Dann</i>		<i>Alexander B. Gutman</i>	
PHENYLPIRUVIC OLIGOPHRENIA . . . . .	640	MELANOSIS AND MELANURIA . . . . .	720
GOUT AND GOUTY ARTHRITIS . . . . .	643	<i>Alexander B. Gutman</i>	
<i>Philip S. Hench</i>		PORPHYRIA . . . . .	721
DIABETES MELLITUS . . . . .	658	<i>C. J. Watson</i>	
<i>Robert F. Loeb</i>			
• SPONTANEOUS HYPOGLYCEMIA . . . . .	681		
<i>Robert F. Loeb</i>			
DIABETES INSIPIDUS . . . . .	685		
<i>Kendrick Hare</i>			
• HEMOCHROMATOSIS . . . . .	686		
<i>Clement A. Finch</i>			

DISEASES OF THE DUCTLESS GLANDS

INTRODUCTION . . . . .	727	HYPERPITUITARISM . . . . .	751
<i>Fuller Albright</i>		<i>A. T. Kenyon</i>	
DISEASES OF THE THYROID GLANDS		ACROMEGALY AND GIGANTISM . . . . .	751
NORMAL PHYSIOLOGY OF THE THYROID . . . . .	730	PRECOCIOUS PUBERTY . . . . .	756
<i>David P. Barr</i>		HYPOPITUITARISM . . . . .	756
SIMPLE GOITER . . . . .	730	<i>A. T. Kenyon</i>	
<i>David P. Barr</i>		SIMMONDS' DISEASE . . . . .	757
HYPERTHYROIDISM . . . . .	732	HYPOPITUITARISM DURING CHILDHOOD (INCLUDING ATELEIOSIS) . . . . .	760
<i>David P. Barr</i>		FRÖHLICH'S SYNDROME . . . . .	762
HYPOTHYROIDISM . . . . .	739	<i>A. T. Kenyon</i>	
<i>David P. Barr</i>		ANOREXIA NERVOSA . . . . .	762
THYROIDITIS . . . . .	743	DISEASES OF THE ADRENAL GLANDS	
<i>David P. Barr</i>		INTRODUCTION . . . . .	764
MALIGNANT DISEASE OF THE THYROID . . . . .	744	<i>George W. Thorn</i>	
<i>David P. Barr</i>		DISEASES OF THE ADRENAL MEDULLA . . . . .	765
DISEASES OF THE PITUITARY GLAND		<i>George W. Thorn</i>	
INTRODUCTION . . . . .	746	ADRENAL MEDULLARY HYPERFUNCTION . . . . .	766
<i>A. T. Kenyon</i>		NONFUNCTIONING TUMORS ARISING FROM MEDULLARY TISSUE . . . . .	768
THE HORMONES OF THE ANTERIOR LOBE . . . . .	746	DISEASES OF THE ADRENAL CORTEX . . . . .	768
<i>A. T. Kenyon</i>		<i>George W. Thorn</i>	
		INTRODUCTION . . . . .	768



ADRENOCORTICAL HORMONE AND CORTICOTROPIN PREPARATIONS AVAILABLE FOR CLINICAL USE . . . 771

HYPOFUNCTION OF THE ADRENAL CORTEX . . . . . 771

Acute Adrenal Cortical Insufficiency, 771; Chronic Adrenal Cortical Insufficiency, 773.

HYPERFUNCTION OF THE ADRENAL CORTEX . . . . . 777

Cushing's Syndrome, 777; Adrenogenital Syndrome and Adrenal Virilism, 781.

NONFUNCTIONING ADRENAL CORTICAL TUMORS . . . . . 782

**DISEASES OF THE THYMUS GLAND**

DISEASES OF THE THYMUS GLAND . . . . . 784

A. McGhee Harvey

**DISEASES OF THE PARATHYROID GLAND**

DISEASES OF THE PARATHYROID GLAND . . . 788

F. C. Bartter

PRIMARY HYPERPARATHYROIDISM . . . 788

HYPOPARATHYROIDISM . . . . . 790

TETANY . . . . . 791

PSEUDOHYPOPARATHYROIDISM . . . . . 793

**DISEASES OF THE SEX GLANDS**

**DISEASES OF THE MALE GONADS**

ANATOMY AND PHYSIOLOGY . . . . . 794

Willard O. Thompson

ANOMALIES OF DEVELOPMENT . . . . . 795

Willard O. Thompson

PUBERTY AND ADOLESCENCE IN THE MALE . . . 795

Willard O. Thompson

PRECOCIOUS SEXUAL DEVELOPMENT . . . 796

HYPERGONADISM AND HYPOGONADISM . . . 798

Willard O. Thompson

PRIMARY AND SECONDARY HYPOGONADISM . . . 798

TYPES OF THERAPY IN HYPOGONADISM . . . 798

SUBSTITUTION THERAPY WITH ANDROGENS . . . . . 799

Eunuchism, 799; Eunuchoidism, 800.

TREATMENT OF EUNUCHISM AND EUNUCHOIDISM . . . . . 800

OTHER APPLICATIONS OF SUBSTITUTION THERAPY . . . . . 801

HARMFUL EFFECTS OF ANDROGEN THERAPY . . . . . 803

STIMULATION THERAPY . . . . . 804

Undescended Testes, 804; Relation of Glandular Therapy to Operative Procedures, 806; Status of Glandular Therapy, 807; Hypogonadism Secondary to Hypopituitarism, 808.

TUMORS OF THE TESTIS . . . . . 808

Willard O. Thompson

MISCELLANEOUS DISEASES OF THE TESTIS . . 809

Willard O. Thompson

ORCHITIS . . . . . 809

HYDROCELE . . . . . 809

CONDITIONS ARISING FROM INTERFERENCE WITH BLOOD SUPPLY . . . . . 809

ATROPHY . . . . . 810

**DISEASES OF THE FEMALE GONADS**

INTRODUCTION . . . . . 810

A. C. Carter; E. Shorr

METHODS OF STUDYING OVARIAN FUNCTION . . 812

A. C. Carter; E. Shorr

HORMONAL PREPARATIONS USEFUL IN THE MANAGEMENT OF OVARIAN DYSFUNCTION . . . . . 815

E. Shorr; A. C. Carter

PUBERTY IN THE FEMALE . . . . . 817

A. C. Carter; E. Shorr

PRECOCIOUS PUBERTY . . . . . 819

A. C. Carter; E. Shorr

AMENORRHEA . . . . . 819

A. C. Carter; E. Shorr

THE STEIN-LEVENTHAL SYNDROME . . . . . 823

A. C. Carter; E. Shorr

MENORRHAGIA . . . . . 823

A. C. Carter; E. Shorr

PREMENSTRUAL TENSION . . . . . 824

A. C. Carter; E. Shorr

DYSMENORRHEA . . . . . 825

A. C. Carter; E. Shorr

ENDOMETRIOSIS . . . . . 826

A. C. Carter; E. Shorr

THE MENOPAUSAL SYNDROME . . . . . 827

A. C. Carter; E. Shorr

**DISEASES OF THE DIGESTIVE SYSTEM**

**DISEASES OF THE MOUTH, SALIVARY GLANDS AND PHARYNX**

DISEASES OF THE MOUTH . . . . . 830

John B. Erich

DISEASES AFFECTING THE ENTIRE MOUTH . . . . . 830

DISEASES AFFECTING THE GUMS . . . . . 833

DISEASES PECULIAR TO THE TONGUE . . . . . 834

TUMORS OF THE ORAL CAVITY . . . . . 835



DISEASES OF THE SALIVARY GLANDS ..... 836  
*John B. Erich*

DISEASES OF THE PHARYNX ..... 838  
*John B. Erich*

**DISEASES OF THE ESOPHAGUS**

DISEASES OF THE ESOPHAGUS ..... 839  
*Chester M. Jones*

DISTURBANCES OF MOTILITY ..... 840  
*Chester M. Jones*

DEVELOPMENTAL ABNORMALITIES ..... 841  
*Chester M. Jones*

NEIGHBORHOOD DISEASE ..... 842  
*Chester M. Jones*

INFLAMMATORY DISEASE ..... 842  
*Chester M. Jones*

DEGENERATIVE DISEASE ..... 843  
*Chester M. Jones*

NEOPLASTIC DISEASE ..... 843  
*Chester M. Jones*

ESOPHAGEAL VARICES ..... 844  
*Chester M. Jones*

**DISEASES OF THE STOMACH**

CONGENITAL ANOMALIES ..... 845  
*Walter L. Palmer*

    HYPERTROPHIC STENOSIS OF PYLORUS ..... 845  
    In Infants, 845; In Adults, 846.

    DIVERTICULA ..... 846

    DIAPHRAGMATIC HERNIA ..... 847

    FOREIGN BODIES IN THE STOMACH ... 847

DISTURBANCES OF GASTRIC FUNCTION .... 847  
*Walter L. Palmer*

    SENSORY DISTURBANCES ..... 847  
    Hunger and Appetite, 847; Nervous Vomiting, 848.

    MOTOR DISTURBANCES ..... 848  
    Acute Dilatation of the Stomach, 849.

    NORMAL AND ABNORMAL VARIATIONS IN GASTRIC SECRETION ..... 849

    ACHLORHYDRIA ..... 849

NONSPECIFIC INFLAMMATION OF THE STOMACH ..... 850  
*Walter L. Palmer*

    ACUTE GASTRITIS ..... 850

    ALCOHOLIC GASTRITIS ..... 851

    CHRONIC GASTRITIS ..... 851  
    Superficial Gastritis, 851; Atrophic Gastritis, 851; Hypertrophic Gastritis, 852; Gastritis of the Postoperative Stomach, 852; Gastritis Simulating Carcinoma, 852.

SPECIFIC INFLAMMATION OF THE STOMACH 852  
*Walter L. Palmer*

    CORROSIVE GASTRITIS ..... 852

PHLEGMONOUS GASTRITIS ..... 853

SCIRRHOUS OR SCLEROSING GASTRITIS 853

GASTRIC SYPHILIS ..... 853

TUBERCULOSIS OF THE STOMACH ... 853

LYMPHOGRANULOMATOSIS ..... 854

RARE INFECTIONS OF THE STOMACH .. 854

GASTRIC NEOPLASMS ..... 854  
*Walter L. Palmer*

    MESENCHYMAL TUMORS ..... 854

    EPITHELIAL TUMORS ..... 854

        Benign Mucosal Neoplasms, 854; Carcinoma, 855.

PEPTIC ULCER ..... 862  
*Walter L. Palmer*

    JEJUNAL ULCER ..... 877

    POSTGASTRECTOMY SYNDROME ..... 877

    POSTVAGOTOMY SYNDROME ..... 878

**DISEASES OF THE INTESTINES**

DISEASES OF THE DUODENUM ..... 879  
*Walter L. Palmer*

VISCEROPTOSIS ..... 879  
*Walter L. Palmer*

DIARRHEA ..... 880  
*Walter L. Palmer*

CONSTIPATION ..... 880  
*Walter L. Palmer*

IRRITABLE COLON ..... 881  
*Walter L. Palmer*

DILATATION OF THE COLON ..... 885  
*Walter L. Palmer*

DIVERTICULA OF THE INTESTINES ..... 886  
*Walter L. Palmer*

ULCERATIVE COLITIS ..... 887  
*Walter L. Palmer*

REGIONAL ILEITIS ..... 891  
*Thomas P. Almy*

APPENDICITIS ..... 894  
*I. S. Ravdin*

INTESTINAL OBSTRUCTION ..... 897  
*Alton Ochsner; Michael E. DeBakey*

INTESTINAL NEOPLASMS ..... 904  
*Alton Ochsner; Michael E. DeBakey*

    SMALL INTESTINE ..... 905  
    Benign Tumors, 905; Malignant Tumors, 906.

    COLON AND RECTUM ..... 907  
    Benign Tumors, 907; Malignant Tumors, 908.

AFFECTIONS OF THE MESENTERY ..... 910  
*Alton Ochsner; Michael E. DeBakey*

    STRUCTURAL ABNORMALITIES OF THE MESENTERY ..... 910

MESENTERITIS ..... 910  
 MESENTERIC HEMORRHAGE ..... 910  
 MESENTERIC VASCULAR OCCLUSION .. 910  
 MESENTERIC LYMPHADENITIS ..... 911  
 MESENTERIC SOLID TUMORS ..... 912  
 MESENTERIC CYSTS ..... 912

**DISEASES OF THE LIVER**

INTRODUCTION ..... 914  
*Franklin M. Hanger*

✓ JAUNDICE ..... 914  
*Franklin M. Hanger*  
 OBSTRUCTIVE JAUNDICE ..... 916  
 HEPATOGENOUS JAUNDICE ..... 919  
 ACUTE INFECTIVE HEPATITIS ..... 920  
 NONINFECTIOUS HEPATOGENOUS JAUN-  
 DICE (TOXIC HEPATITIS) ..... 923  
 ACUTE YELLOW ATROPHY OF THE LIVER 924  
 SUBACUTE YELLOW ATROPHY ..... 925  
 ACHOLURIC JAUNDICE ..... 925  
 RETENTION JAUNDICE ..... 926  
 CAROTENEMIA ..... 926

✓ CIRCULATORY DISTURBANCES OF THE LIVER 927  
*Arthur J. Patek, Jr.*  
 PASSIVE CONGESTION OF THE LIVER .. 927  
 CONGESTIVE (CARDIAC) CIRRHOSIS .. 928  
 PORTAL HYPERTENSION ..... 929  
 THROMBOSIS OF THE PORTAL VEIN ... 930  
 THROMBOSIS OF THE HEPATIC VEINS . 931

ASCITES ..... 932  
*Arthur J. Patek, Jr.*

✓ CIRRHOSIS OF THE LIVER ..... 933  
*Arthur J. Patek, Jr.*  
LAËNNEC'S CIRRHOSIS ..... 933  
 BILIARY CIRRHOSIS ..... 937  
 Obstructive Biliary Cirrhosis, 937;  
 Primary Biliary Cirrhosis, 937.  
 POSTNECROTIC CIRRHOSIS ..... 938  
 SYPHILITIC CIRRHOSIS ..... 939  
 ZOOPARASITIC CIRRHOSIS ..... 940

ABSCESS OF THE LIVER ..... 940  
*Arthur J. Patek, Jr.*  
 AMEBIC ABSCESS OF THE LIVER ..... 940  
 PYOGENIC ABSCESS OF THE LIVER .... 940

NEOPLASMS OF THE LIVER ..... 940  
*Arthur J. Patek, Jr.*  
 PRIMARY CARCINOMA OF THE LIVER .. 940  
 SECONDARY CARCINOMA OF THE LIVER 941  
 BENIGN NEOPLASMS OF THE LIVER ... 942

CYSTS OF THE LIVER ..... 943  
*Arthur J. Patek, Jr.*

FATTY LIVER ..... 943  
*Arthur J. Patek, Jr.*

**DISEASES OF THE GALLBLADDER AND BILE DUCTS**

INTRODUCTION ..... 945  
*C. J. Watson*

CHOLELITHIASIS ..... 946  
*C. J. Watson*

CHOLECYSTITIS ..... 955  
*C. J. Watson*

SUPPURATIVE CHOLANGITIS ..... 958  
*C. J. Watson*

CARCINOMA OF THE GALLBLADDER AND BILE DUCTS ..... 959  
*C. J. Watson*

CONGENITAL ABNORMALITIES OF THE BILE DUCTS ..... 960  
*C. J. Watson*

**DISEASES OF THE PANCREAS**

INTRODUCTION ..... 962  
*Charles G. Child, III*  
 PHYSIOLOGY OF THE PANCREAS ..... 962  
 TESTS OF PANCREATIC FUNCTION .... 962

CONGENITAL ABNORMALITIES ..... 963  
*Charles G. Child, III*

DIETARY DEFICIENCY AND PANCREATIC DIS-EASE ..... 963  
*Charles G. Child, III*

PANCREATITIS ..... 964  
*Charles G. Child, III*  
 ACUTE PANCREATITIS ..... 964  
 CHRONIC PANCREATITIS ..... 965

PANCREATIC CALCIFICATION ..... 966  
*Charles G. Child, III*

PANCREATIC CYSTS ..... 967  
*Charles G. Child, III*

TUMORS OF THE PANCREAS ..... 967  
*Charles G. Child, III*  
 ISLET CELL TUMORS ..... 967  
 CANCER OF THE PANCREAS ..... 968

**DISEASES OF THE PERITONEUM**

INTRODUCTION ..... 971  
*Frank Glenn*

CONGENITAL ANOMALIES OF THE PERITONEUM ..... 972  
*Frank Glenn*

GENERALIZED PERITONITIS ..... 972  
*Frank Glenn*  
 SPECIAL TYPES OF PERITONITIS ..... 976

MALIGNANT DISEASE OF THE PERITONEUM 978  
*Frank Glenn*

ASCITES ..... 978  
*Frank Glenn*

## DISEASES OF THE RESPIRATORY SYSTEM

<b>DISEASES OF THE NOSE</b>			
DISEASES OF THE NOSE . . . . .	981	PULMONARY ATELECTASIS . . . . . 1024	
<i>Clyde A. Heatly</i>		<i>Dickinson W. Richards</i>	
INFECTIONS OF THE ACCESSORY NASAL SI- NUSES . . . . .	981	PULMONARY FIBROSIS . . . . . 1025	
<i>Clyde A. Heatly</i>		<i>Dickinson W. Richards</i>	
TUMORS OF THE NOSE AND NASOPHARYNX .	983	LOCALIZED PULMONARY FIBROSIS . . . . . 1026	
<i>Clyde A. Heatly</i>		DIFFUSE PULMONARY FIBROSIS . . . . . 1027	
<b>DISEASES OF THE LARYNX</b>		LOCALIZED AND DIFFUSE PULMONARY FIBROSIS . . . . . 1027	
INTRODUCTION . . . . .	984	CHRONIC FIBROTIC PULMONARY DIS- EASE WITH IMPAIRMENT OF AL- VEOLAR-CAPILLARY DIFFUSION; DIFFUSION INSUFFICIENCY; SYN- DROME OF ALVEOLAR-CAPILLARY BLOCK . . . . . 1027	
<i>Clyde A. Heatly</i>		RADIATION PLEUROPNEUMONITIS . . . . . 1029	
COMMON LARYNGEAL DISORDERS IN CHIL- DREN . . . . .	984	<i>Dickinson W. Richards</i>	
<i>Clyde A. Heatly</i>		LIPOID PNEUMONITIS . . . . . 1029	
ACUTE LARYNGITIS . . . . .	984	<i>Dickinson W. Richards</i>	
CONGENITAL LARYNGEAL STRIDOR . . . . .	985	ALLERGIC PNEUMONIA . . . . . 1030	
LARYNGISMUS STRIDULUS . . . . .	985	<i>Dickinson W. Richards</i>	
FOREIGN BODIES IN THE LARYNX . . . . .	985	EMPHYSEMA . . . . . 1030	
PAPILLOMA OF THE LARYNX . . . . .	985	<i>Dickinson W. Richards</i>	
COMMON LARYNGEAL DISORDERS OF ADULTS . . . . .	986	ACUTE EMPHYSEMA . . . . . 1030	
<i>Clyde A. Heatly</i>		Acute Physiologic Emphysema, 1030; Acute Vesicular Emphysema, 1030.	
CATARRHAL LARYNGITIS . . . . .	986	CHRONIC EMPHYSEMA . . . . . 1031	
BENIGN AND MALIGNANT TUMORS OF THE LARYNX . . . . .	986	Chronic Diffuse Emphysema, 1031; Nonobstructive (Senile, Postural) Emphysema, 1035; Bullous Emphy- sema, Air Cysts of Lung, 1036; Local- ized ("Compensatory") Emphysema, 1036.	
Benign Tumors, 986; Malignant Tu- mors, 986; Diseases of the Larynx, 987; Laryngeal Neuropathies, 987.		ABSCESS OF THE LUNG . . . . . 1036	
<b>DISEASES OF THE BRONCHI</b>		<i>Herbert C. Maier</i>	
BRONCHITIS . . . . .	988	CYSTIC DISEASE OF THE LUNGS . . . . . 1040	
<i>Dickinson W. Richards</i>		<i>Herbert C. Maier</i>	
ACUTE BRONCHITIS . . . . .	988	NEW GROWTHS IN THE LUNGS . . . . . 1041	
CHRONIC BRONCHITIS . . . . .	990	<i>Herbert C. Maier</i>	
FIBRINOUS BRONCHITIS . . . . .	993	BENIGN TUMORS . . . . . 1041	
BRONCHIOLITIS FIBROSA OBLITERANS .	994	CARCINOMA OF THE LUNG . . . . . 1042	
BRONCHOPULMONARY SPIROCHETOSIS .	994	TUMORS OF THE TRACHEA . . . . . 1046	
BRONCHIECTASIS . . . . .	995	PNEUMONOCOONIOSIS . . . . . 1046	
<i>Carl Muschenheim</i>		<i>William S. McCann</i>	
FOREIGN BODIES IN THE BRONCHI . . . . .	1004	SILICOSIS . . . . . 1046	
<i>Carl Muschenheim</i>		ASBESTOSIS . . . . . 1051	
<b>DISEASES OF THE LUNGS</b>		<b>DISEASES OF THE PLEURA</b>	
PULMONARY FUNCTION IN HEALTH AND DIS- EASE . . . . .	1008	PLEURISY . . . . . 1052	
<i>Dickinson W. Richards</i>		<i>John B. Barnwell</i>	
<b>CIRCULATORY DISTURBANCES IN THE LUNGS</b>	1016	PLEURAL EFFUSION . . . . . 1053	
<i>Dickinson W. Richards</i>		<i>John B. Barnwell</i>	
PULMONARY EDEMA . . . . .	1016	PNEUMOTHORAX . . . . . 1059	
PULMONARY HEMORRHAGE . . . . .	1018	<i>John B. Barnwell</i>	
PULMONARY EMBOLISM, PULMONARY INFARCTION AND THROMBOSIS . . . . .	1020		
PULMONARY ARTERIOSCLEROSIS AND PULMONARY ARTERIAL HYPER- TENSION . . . . .	1023		
PULMONARY ARTERIOVENOUS FISTULA	1024		

UNCOMMON PLEURAL AFFECTIONS . . . . .	1062
<i>John B. Barnwell</i>	
EMPHYEMA . . . . .	1062
<i>William S. Tillett</i>	

#### DISEASES OF THE MEDIASTINUM

INFECTIONS OF THE MEDIASTINUM . . . . .	1066
<i>Carl Muschenheim</i>	
ACUTE MEDIASTITIS . . . . .	1066
CHRONIC MEDIASTITIS . . . . .	1067
CYSTS AND TUMORS OF THE MEDIASTINUM . . . . .	1068
<i>Carl Muschenheim</i>	
MEDIASTINAL HEMORRHAGE . . . . .	1070
<i>Carl Muschenheim</i>	
MEDIASTINAL EMPHYSEMA . . . . .	1070
<i>Carl Muschenheim</i>	
MEDIASTINAL HERNIA . . . . .	1071
<i>Carl Muschenheim</i>	

#### DISEASES OF THE KIDNEYS

RENAL PHYSIOLOGY AND TESTS OF RENAL FUNCTION . . . . .	1079
<i>Elliot V. Newman</i>	
URINARY SUPPRESSION . . . . .	1086
<i>John A. Luetscher, Jr.</i>	
NON-PARASITIC CHYLURIA . . . . .	1090
<i>J. M. Hayman, Jr.</i>	
PNEUMATURIA . . . . .	1091
<i>J. M. Hayman, Jr.</i>	
HEMOGLOBINURIA AND MYOHEMOGLOBINURIA . . . . .	1091
<i>Thomas Hale Ham</i>	
HEMOGLOBINURIA . . . . .	1091
Examples of Hemoglobinuria from Intravascular Hemolysis, 1092.	
MYOHEMOGLOBINURIA . . . . .	1093
HEMOLYTIC TRANSFUSION REACTIONS . . . . .	1096
NEPHRITIS . . . . .	1098
<i>Robert F. Loeb</i>	
GLOMERULONEPHRITIS . . . . .	1098
Acute Glomerulonephritis, 1102;	
Chronic Glomerulonephritis, 1106.	
ARTERIOLAR NEPHROSCLEROSIS . . . . .	1114
MISCELLANEOUS NEPHRITIDES . . . . .	1116
Interstitial Nephritis, 1116;	
Transfusion Nephritis, 1116; Focal Nephritis, 1116; Syphilitic Nephritis, 1116; Arteriosclerotic Nephritis, 1116; Radiation Nephritis, 1117; Orthostatic Proteinuria, 1117.	

#### DISEASES OF THE DIAPHRAGM

INFLAMMATION OF THE DIAPHRAGM . . . . .	1072
<i>Carl Muschenheim</i>	
SUBDIAPHRAGMATIC ABSCESS . . . . .	1073
<i>Carl Muschenheim</i>	
PARALYSIS OF THE DIAPHRAGM . . . . .	1073
<i>Carl Muschenheim</i>	
DIAPHRAGMATIC SPASM, TIC, AND FLUTTER . . . . .	1074
<i>Carl Muschenheim</i>	
HICCUP . . . . .	1074
TIC AND FLUTTER . . . . .	1075
DIAPHRAGMATIC HERNIA . . . . .	1075
<i>Carl Muschenheim</i>	
EVENTRATION OF THE DIAPHRAGM . . . . .	1077
<i>Carl Muschenheim</i>	
HEPATODIAPHRAGMATIC INTERPOSITION OF THE COLON . . . . .	1078
<i>Carl Muschenheim</i>	

THE NEPHROSES . . . . .	1117
<i>Dana W. Atchley</i>	
TRUE OR LIPOID NEPHROSIS . . . . .	1119
UREMIA . . . . .	1122
<i>Dana W. Atchley</i>	
TOXEMIA OF PREGNANCY . . . . .	1125
<i>Lewis Dexter</i>	
ANOMALIES AND MALFORMATIONS OF THE KIDNEYS . . . . .	1127
<i>J. M. Hayman, Jr.</i>	
CIRCULATORY DISTURBANCES OF THE KIDNEY . . . . .	1128
<i>J. M. Hayman, Jr.</i>	
NEPHROPTOSIS . . . . .	1129
<i>J. M. Hayman, Jr.</i>	
HYDRONEPHROSIS . . . . .	1130
<i>J. M. Hayman, Jr.</i>	
BACTERIAL INFECTIONS OF THE KIDNEY AND URINARY PASSAGES . . . . .	1131
<i>J. M. Hayman, Jr.</i>	
NEPHROLITHIASIS . . . . .	1134
<i>J. M. Hayman, Jr.</i>	
CYSTS OF THE KIDNEY . . . . .	1137
<i>J. M. Hayman, Jr.</i>	
TUMORS OF THE KIDNEY . . . . .	1139
<i>J. M. Hayman, Jr.</i>	



**DISEASES OF THE SPLEEN AND RETICULOENDOTHELIAL SYSTEM**

**DISEASES OF THE SPLEEN**

INTRODUCTION ..... 1141  
*Charles A. Doan*

CONGENITAL HEMOLYTIC ICTERUS ..... 1146  
*Charles A. Doan*

SECONDARY "ACQUIRED" HEMOLYTIC ANEMIA ..... 1151  
*Charles A. Doan*

PRIMARY HYPERSPLENIC THROMBOCYTOPENIC PURPURA ..... 1152  
*Charles A. Doan*

PRIMARY SPLENIC NEUTROPENIA ..... 1155  
*Charles A. Doan*

PRIMARY CONGENITAL SPLENIC PANHEMATOPENIA ..... 1156  
*Charles A. Doan*

SECONDARY ACQUIRED HYPERSPLENISM.. 1156  
*Charles A. Doan*

MISCELLANEOUS ABNORMALITIES OF THE SPLEEN ..... 1158  
*Charles A. Doan*

**DISEASES OF THE RETICULOENDOTHELIAL SYSTEM**

CONDITIONS PRIMARILY AFFECTING LYMPH NODES ..... 1161  
*Carl V. Moore*

LYMPHOSARCOMA AND RETICULUM

CELL SARCOMA ..... 1161

HODGKIN'S DISEASE ..... 1165

FOLLICULAR LYMPHOMA ..... 1170

MYCOSIS FUNGOIDES ..... 1171

EOSINOPHILIC GRANULOMA, LETTERER-SIWE DISEASE, HAND-SCHÜLLER-CHRISTIAN DISEASE ..... 1172  
*Carl V. Moore*

GAUCHER'S DISEASE ..... 1173  
*Carl V. Moore*

NIEMANN-PICK'S DISEASE ..... 1175  
*Carl V. Moore*

**DISEASES OF THE BLOOD**

INTRODUCTION ..... 1176  
*W. B. Castle*

✓ THE ANEMIAS ..... 1177  
*W. B. Castle*

ANEMIAS DUE TO INCREASED ERYTHROCYTE LOSS OR DESTRUCTION ... 1179  
 Anemias of Acute Erythrocyte Loss, 1179; Anemias of Increased Erythrocyte Destruction, 1179.

ANEMIAS DUE TO DECREASED ERYTHROCYTE PRODUCTION ..... 1187

Nutritional Deficiency of Erythropoiesis, 1187; Endocrine Deficiency of Erythropoiesis, 1192; Toxic Inhibition of Erythropoiesis, 1192; Physical Injury of Erythropoiesis, 1193; Mechanical Interference with Erythropoiesis, 1194; Idiopathic Failure of Erythropoiesis, 1195.

HEMORRHAGIC DISEASES ..... 1196  
*W. B. Castle*

VASCULAR PURPURA ..... 1198

THROMBOCYTOPENIC PURPURA ..... 1200

COAGULATION DEFECTS ..... 1201

Prothrombin Deficiency, 1202; Prothrombin Accelerator Deficiencies, 1202; Plasma Thromboplastinogen Deficiencies, 1203; Fibrinogen Deficiency, 1204; Fibrinolysis, 1204; Anticoagulants, 1204.

POLYCYTHEMIA ..... 1205  
*W. B. Castle*

RELATIVE POLYCYTHEMIA ..... 1205

SECONDARY POLYCYTHEMIAS ..... 1205

PRIMARY POLYCYTHEMIA ..... 1207

THE LEUKOPENIC STATE AND AGRANULOCYTOSIS ..... 1209  
*Carl V. Moore*

THE LEUKOPENIC STATE ..... 1209

AGRANULOCYTIC ANGINA ..... 1211

✓ THE LEUKEMIAS ..... 1214  
*Cyrus C. Sturgis*

CHRONIC GRANULOCYTIC LEUKEMIA . 1217  
 Chronic Lymphocytic Leukemia, 1219.

ACUTE LEUKEMIA ..... 1222

MONOCYTIC LEUKEMIA ..... 1223

LESS COMMON VARIETIES OF LEUKEMIA AND ALLIED PATHOLOGIC STATES ..... 1224

Subleukemic (Aleukemic) Leukemia, 1224; Lymphosarcoma Cell Leukemia, 1225; Leukemoid Reactions, 1225; Chloroma, 1226; Plasmacytomas, Plasma Cell Leukemia and Multiple Myeloma, 1226; Plasmocytic Myeloma (Multiple Myeloma), 1227; Myeloid Metaplasia of the Spleen, 1228; Mycosis Flungoides, 1228.

UNCOMMON PLEURAL AFFECTIONS

*John B. Baxwell*

EMPHYEMA . . . . .

*William S. Tillett*

DISEASES

INFECTIONS OF

*Carl Musch*

ACUTE

CHRONIC

CYSTS

*Ca* 1161

*M* 1170

*M* 1171

DISEASES OF THE  
 ENDOTHELIAL SYSTEM  
 1158

XIX

CARDIOVASCULAR SYSTEM

30

THE PATHOGENESIS OF CARDIAC PAIN,

WITH PARTICULAR REFERENCE TO

CORONARY ARTERIOSCLEROSIS . . . . . 1320

ANGINA PECTORIS . . . . . 1321

ACUTE MYOCARDIAL INFARCTION . . . . . 1328

CORONARY FAILURE: THE CLINICAL  
 SYNDROME OF CARDIAC PAIN IN-  
 TERMEDIATE BETWEEN ANGINA  
 PECTORIS AND ACUTE MYOCAR-  
 DIAL INFARCTION . . . . . 1336

CELLANEOUS PATHOLOGIC CONDITIONS

OF THE HEART . . . . . 1338

*William B. Porter*

NEOPLASM OF THE HEART . . . . . 1338

SYPHILIS OF THE HEART . . . . . 1339

TRAUMA OF THE HEART . . . . . 1340

Wounds, 1340; Contusion, 1341.

FOREIGN BODIES . . . . . 1342

TUBERCULOSIS OF THE HEART . . . . . 1342

PARASITES . . . . . 1342

HEART INVOLVEMENT IN SARCOIDOSIS

THE HEART IN HEMOCHROMATOSIS . . . . . 1344

CARDIAC ARRHYTHMIAS . . . . . 1344

*Harold J. Stewart*

SINUS NODE: NORMAL RHYTHM . . . . . 1345

Sinus Irregularity or Sinus Arrhyth-  
 mia, 1345; Sinus Tachycardia, 1346;  
 Sinus Bradycardia, 1346; Sino-  
 Atrial Premature Contractions, 1347; Sino-  
 Atrial Block, 1347; Atrial Standstill,  
 1347; Premature Contraction, 1347.

ATRIAL RHYTHMS . . . . . 1348

Atrial Premature Contractions, 1348;  
 Blocked Atrial Premature Contrac-  
 tions, 1349; Atrial Paroxysmal Tachy-  
 cardia, 1349; Atrial Fibrillation,  
 1351; Paroxysmal Atrial Fibrillation,  
 1354; Atrial Flutter, 1355.

ATRIOVENTRICULAR TISSUE . . . . . 1358

Atrioventricular, Nodal or Junctional  
 Premature Contractions, 1358; Atrio-  
 ventricular Paroxysmal Tachycardia,  
 1359; Atrioventricular or Nodal  
 Rhythm, 1359; Wandering Pace-  
 maker, 1360.

CONDUCTION DEFECTS . . . . . 1360

Heart Block, 1360; Second Degree  
 Heart Block, 1361; Complete Heart  
 Block, 1362; Bundle Branch Block,  
 1364; Wolff-Parkinson-White Syn-  
 drome, 1364.

VENTRICULAR RHYTHMS . . . . . 1365

Idioventricular Rhythm, 1365; Ven-  
 tricular Escape, 1365; Ventricular  
 Premature Contractions, 1365; Inter-  
 polated Premature Contractions,  
 1367; Ventricular Paroxysmal Tachy-  
 cardia, 1367; Ventricular Fibrilla-  
 tion, 1370.

PULSUS ALTERNANS . . . . . 1371

COUPLED RHYTHM . . . . . 1372

NEUROCIRCULATORY ASTHENIA . . . . . 1373

*Arthur C. DeGraff*

DISEASES OF THE PERICARDIUM . . . . . 1265

*Johnson McGuire*

ACUTE FIBRINOUS PERICARDITIS . . . . . 1265

Acute Nonspecific Pericarditis, 1267.

PERICARDIAL EFFUSION . . . . . 1268

CHRONIC CONSTRICTIVE AND OTHER  
 FORMS OF ADHESIVE PERICARDI-  
 TIS . . . . . 1272

PERICARDIAL DISEASES AS A CAUSE OF  
 ACUTE CARDIAC COMPRESSION . . . . . 1274

OTHER CONDITIONS AFFECTING THE  
 PERICARDIUM . . . . . 1274

CONGENITAL HEART DISEASE . . . . . 1276

*Janet S. Baldwin*

RHEUMATIC HEART DISEASE . . . . . 1285

*F. C. Wood; H. F. Zinsser, Jr.*

CHRONIC VALVULAR HEART DISEASE . . . . . 1291

*H. F. Zinsser, Jr.; F. C. Wood*

MITRAL VALVULAR DISEASE . . . . . 1291

Mitral Stenosis, 1292; Mitral Insuffi-  
 ciency, 1301.

AORTIC VALVULAR DISEASE . . . . . 1302

Aortic Stenosis, 1302; Aortic Insuffi-  
 ciency, 1303.

PULMONIC VALVULAR DISEASE . . . . . 1304

Pulmonic Stenosis, 1304; Pulmonic  
 Insufficiency, 1306.

TRICUSPID VALVULAR DISEASE . . . . . 1306

Tricuspid Insufficiency, 1306; Tri-  
 cuspid Stenosis, 1307.

ENDOCARDITIS . . . . . 1308

*Thomas H. Hunter*

DISEASES OF THE MYOCARDIUM . . . . . 1314

*Hugh J. Morgan*

MYOCARDITIS . . . . . 1314

SENILE HEART DISEASE . . . . . 1317

DISEASES OF THE CORONARY ARTERIES . . . . . 1319

*Herman L. Blumgart*

9 CAROTID SINUS SYNCOPE ..... 1374  
*Arthur C. DeGraff*

**DISEASES OF THE PERIPHERAL VESSELS**

GENERAL CONSIDERATIONS ..... 1376  
*R. W. Wilkins*

PERIPHERAL VASCULAR DISEASES DUE TO ORGANIC ARTERIAL OBSTRUCTION .. 1381

*R. W. Wilkins*  
 THROMBOANGITIS OBLITERANS ..... 1381  
PERIPHERAL ARTERIOSCLEROSIS ..... 1384  
 ARTERIAL EMBOLISM ..... 1384  
 PERIPHERAL ARTERITIS AND GANGRENE IN SYSTEMIC INFECTIONS ..... 1386

PERIPHERAL VASCULAR DISEASES DUE TO ABNORMAL VASOCONSTRICTION OR VASODILATATION ..... 1386

*R. W. Wilkins*  
RAYNAUD'S DISEASE ..... 1386  
 ACROCYANOSIS ..... 1388  
ERGOTISM ..... 1389  
ERYTHROMELALGIA ..... 1389

PERIPHERAL VASCULAR DISEASES DUE TO EXPOSURE TO COLD ..... 1390  
*R. W. Wilkins*

TRENCH FOOT AND IMMERSION FOOT . 1390  
 CHILBLAIN AND PERNIO ..... 1392  
 FROSTBITE ..... 1392

PERIPHERAL VASCULAR DISEASES DUE TO ABNORMAL COMMUNICATIONS BETWEEN ARTERIES AND VEINS ..... 1393

*R. W. Wilkins*  
 ARTERIOVENOUS FISTULA ..... 1393  
 GLOMANGIOMA OR GLOMUS TUMOR .. 1394

DISEASES OF THE PERIPHERAL VEINS .... 1394

*R. W. Wilkins*  
 VARICOSE VEINS ..... 1395  
 PHLEBOTHROMBOSIS AND THROMBO-PHLEBITIS ..... 1395

DISEASES OF THE PERIPHERAL LYMPHATIC VESSELS ..... 1397

*R. W. Wilkins*  
 LYMPHANGITIS ..... 1397  
 LYMPHEDEMA ..... 1398

ARTERIOSCLEROSIS ..... 1398

*Hugh J. Morgan*

**DISEASES OF THE LOCOMOTOR SYSTEM**

**DISEASES OF THE MUSCLES**

INTRODUCTION ..... 1404  
*Joseph L. Lilienthal, Jr.*

THE DYSTROPHIES ..... 1406  
*A. T. Milhorat*

PROGRESSIVE MUSCULAR DYSTROPHY . 1406  
 MYOTONIA CONGENITA ..... 1407  
 AMYOTONIA CONGENITA ..... 1407  
 MYOTONIA ATROPHICA ..... 1408

MYOSITIS ..... 1408  
*Charles H. Slocumb*

PARENCHYMATOUS MYOSITIS ..... 1408  
 Suppurative Myositis, 1408; Primary Suppurative Myositis, 1408; Secondary Suppurative Myositis, 1409; Nonsuppurative Myositis, 1409; Progressive Myositis Fibrosa, 1409; Trichinous Myositis, 1410.

INTERSTITIAL MYOSITIS ..... 1410  
 Myositis Ossificans, 1410; Progressive Myositis Ossificans, 1410.

THE FIBROSITIS SYNDROME ..... 1411  
*Wallace Graham*

**DISEASES OF THE JOINTS**

ARTHRITIS ..... 1415  
*Russell L. Cecil*

ARTHRITIS DUE TO INFECTION ..... 1415  
 RHEUMATOID ARTHRITIS ..... 1417  
 Clinical Variants of Rheumatoid Arthritis, 1432.

DEGENERATIVE JOINT DISEASE ..... 1435  
*Russell L. Cecil*

SPECIAL FORMS ..... 1438  
 Osteoarthritis of the Hip, 1438; Heberden's Nodes, 1438; Hypertrophic Spondylitis, 1439.

ARTHRITIS ASSOCIATED WITH DISTURBANCES OF METABOLISM ..... 1439  
*Russell L. Cecil*

NEUROGENIC ARTHROPATHY ..... 1440  
*Russell L. Cecil*

NEOPLASMS OF THE JOINTS ..... 1440  
*Russell L. Cecil*

MECHANICAL DERANGEMENTS OF JOINTS .. 1440  
*Russell L. Cecil*

MISCELLANEOUS FORMS OF ARTHRITIS ... 1441  
*Russell L. Cecil*

THE PAINFUL SHOULDER ..... 1442  
*Russell L. Cecil*

CALCIFIC TENDINITIS ..... 1442  
 ADHESIVE PERITENDINITIS ..... 1442  
 ARTHRITIS OF THE SHOULDER ..... 1443  
 THE SHOULDER-HAND SYNDROME .... 1443

**DISEASES OF THE BONES**

OSTEOPOROSIS ..... 1445  
*Walter Bauer; Frederic C. Bartter*



**DISEASES OF THE CARDIOVASCULAR SYSTEM**

**PATHOLOGIC PHYSIOLOGY OF GENERALIZED CIRCULATORY FAILURE** ..... 1230  
*Eugene A. Stead, Jr.*

**CARDIAC DILATATION AND HYPERTROPHY** 1242  
*Eugene A. Stead, Jr.*

**THE TREATMENT OF CONGESTIVE HEART FAILURE** ..... 1242  
*Eugene A. Stead, Jr.*

**VASCULAR HYPERTENSION** ..... 1246  
*Lewis Dexter*

**VASCULAR HYPOTENSION** ..... 1259  
*Lewis Dexter*

**CIRCULATORY COLLAPSE AND SHOCK** ..... 1261  
*Eugene A. Stead, Jr.*

**DISEASES OF THE HEART**

**DISEASES OF THE PERICARDIUM** ..... 1265  
*Johnson McGuire*

**ACUTE FIBRINOUS PERICARDITIS** ..... 1265  
 Acute Nonspecific Pericarditis, 1267.

**PERICARDIAL EFFUSION** ..... 1268

**CHRONIC CONSTRUCTIVE AND OTHER FORMS OF ADHESIVE PERICARDITIS** ..... 1272

**PERICARDIAL DISEASES AS A CAUSE OF ACUTE CARDIAC COMPRESSION** .. 1274

**OTHER CONDITIONS AFFECTING THE PERICARDIUM** ..... 1274

**CONGENITAL HEART DISEASE** ..... 1276  
*Janet S. Baldwin*

**RHEUMATIC HEART DISEASE** ..... 1285  
*F. C. Wood; H. F. Zinsser, Jr.*

**CHRONIC VALVULAR HEART DISEASE** .... 1291  
*H. F. Zinsser, Jr.; F. C. Wood*

**MITRAL VALVULAR DISEASE** ..... 1291  
 Mitral Stenosis, 1292; Mitral Insufficiency, 1301.

**AORTIC VALVULAR DISEASE** ..... 1302  
 Aortic Stenosis, 1302; Aortic Insufficiency, 1303.

**PULMONIC VALVULAR DISEASE** ..... 1304  
 Pulmonic Stenosis, 1304; Pulmonic Insufficiency, 1306.

**TRICUSPID VALVULAR DISEASE** ..... 1306  
 Tricuspid Insufficiency, 1306; Tricuspid Stenosis, 1307.

**ENDOCARDITIS** ..... 1308  
*Thomas H. Hunter*

**DISEASES OF THE MYOCARDIUM** ..... 1314  
*Hugh J. Morgan*

**MYOCARDITIS** ..... 1314  
**SENILE HEART DISEASE** ..... 1317

**DISEASES OF THE CORONARY ARTERIES** .. 1319  
*Herman L. Blumgart*

**THE PATHOGENESIS OF CARDIAC PAIN, WITH PARTICULAR REFERENCE TO CORONARY ARTERIOSCLEROSIS** .. 1320

**ANGINA PECTORIS** ..... 1321

**ACUTE MYOCARDIAL INFARCTION** ... 1328

**CORONARY FAILURE: THE CLINICAL SYNDROME OF CARDIAC PAIN INTERMEDIATE BETWEEN ANGINA PECTORIS AND ACUTE MYOCARDIAL INFARCTION** ..... 1336

**MISCELLANEOUS PATHOLOGIC CONDITIONS OF THE HEART** ..... 1338  
*William B. Porter*

**NEOPLASM OF THE HEART** ..... 1338

**SYPHILIS OF THE HEART** ..... 1339

**TRAUMA OF THE HEART** ..... 1340  
 Wounds, 1340; Contusion, 1341.

**FOREIGN BODIES** ..... 1342

**TUBERCULOSIS OF THE HEART** ..... 1342

**PARASITES** ..... 1342

**HEART INVOLVEMENT IN SARCOIDOSIS** 1343

**THE HEART IN HEMOCHROMATOSIS** .. 1344

**CARDIAC ARRHYTHMIAS** ..... 1344  
*Harold J. Stewart*

**SINUS NODE: NORMAL RHYTHM** ..... 1345

Sinus Irregularity or Sinus Arrhythmia, 1345; Sinus Tachycardia, 1346; Sinus Bradycardia, 1346; Sino-Atrial Premature Contractions, 1347; Sino-Atrial Block, 1347; Atrial Standstill, 1347; Premature Contraction, 1347.

**ATRIAL RHYTHMS** ..... 1348

Atrial Premature Contractions, 1348; Blocked Atrial Premature Contractions, 1349; Atrial Paroxysmal Tachycardia, 1349; Atrial Fibrillation, 1351; Paroxysmal Atrial Fibrillation, 1354; Atrial Flutter, 1355.

**ATRIOVENTRICULAR TISSUE** ..... 1358

Atrioventricular, Nodal or Junctional Premature Contractions, 1358; Atrioventricular Paroxysmal Tachycardia, 1359; Atrioventricular or Nodal Rhythm, 1359; Wandering Pacemaker, 1360.

**CONDUCTION DEFECTS** ..... 1360

Heart Block, 1360; Second Degree Heart Block, 1361; Complete Heart Block, 1362; Bundle Branch Block, 1364; Wolff-Parkinson-White Syndrome, 1364.

**VENTRICULAR RHYTHMS** ..... 1365

Idioventricular Rhythm, 1365; Ventricular Escape, 1365; Ventricular Premature Contractions, 1365; Interpolated Premature Contractions, 1367; Ventricular Paroxysmal Tachycardia, 1367; Ventricular Fibrillation, 1370.

**PULSUS ALTERNANS** ..... 1371

**COUPLED RHYTHM** ..... 1372

**NEUROCIRCULATORY ASTHENIA** ..... 1373  
*Arthur C. DeGraff*



9 CAROTID SINUS SYNCOPE ..... 1374  
*Arthur C. DeGraff*

**DISEASES OF THE PERIPHERAL VESSELS**

GENERAL CONSIDERATIONS ..... 1376  
*R. W. Wilkins*

PERIPHERAL VASCULAR DISEASES DUE TO ORGANIC ARTERIAL OBSTRUCTION .. 1381  
*R. W. Wilkins*  
 THROMBOANGITIS OBLITERANS ..... 1381  
 PERIPHERAL ARTERIOSCLEROSIS ..... 1384  
 ARTERIAL EMBOLISM ..... 1384  
 PERIPHERAL ARTERITIS AND GANGRENE IN SYSTEMIC INFECTIONS ..... 1386

PERIPHERAL VASCULAR DISEASES DUE TO ABNORMAL VASOCONSTRICTION OR VASODILATATION ..... 1386  
*R. W. Wilkins*  
 RAYNAUD'S DISEASE ..... 1386  
 ACROCYANOSIS ..... 1388  
 ERGOTISM ..... 1389  
 ERYTHROMELALGIA ..... 1389

PERIPHERAL VASCULAR DISEASES DUE TO EXPOSURE TO COLD ..... 1390  
*R. W. Wilkins*  
 TRENCH FOOT AND IMMERSION FOOT . 1390  
 CHILBLAIN AND PERNIO ..... 1392  
 FROSTBITE ..... 1392

PERIPHERAL VASCULAR DISEASES DUE TO ABNORMAL COMMUNICATIONS BETWEEN ARTERIES AND VEINS ..... 1393  
*R. W. Wilkins*  
 ARTERIOVENOUS FISTULA ..... 1393  
 GLOMANGIOMA OR GLOMUS TUMOR .. 1394

DISEASES OF THE PERIPHERAL VEINS .... 1394  
*R. W. Wilkins*  
 VARICOSE VEINS ..... 1395  
 PHLEBOTHROMBOSIS AND THROMBO-PHLEBITIS ..... 1395

DISEASES OF THE PERIPHERAL LYMPHATIC VESSELS ..... 1397  
*R. W. Wilkins*  
 LYMPHANGITIS ..... 1397  
 LYMPHEDEMA ..... 1398  
ARTERIOSCLEROSIS ..... 1398  
*Hugh J. Morgan*

**DISEASES OF THE LOCOMOTOR SYSTEM**

DISEASES OF THE MUSCLES

INTRODUCTION ..... 1404  
*Joseph L. Lilienthal, Jr.*

THE DYSTROPHIES ..... 1406  
*A. T. Milhorat*

PROGRESSIVE MUSCULAR DYSTROPHY . 1406  
 MYOTONIA CONGENITA ..... 1407  
 AMYOTONIA CONGENITA ..... 1407  
 MYOTONIA ATROPHICA ..... 1408

MYOSITIS ..... 1408  
*Charles H. Slocumb*

PARENCHYMATOUS MYOSITIS ..... 1408  
 Suppurative Myositis, 1408; Primary Suppurative Myositis, 1408; Secondary Suppurative Myositis, 1409; Nonsuppurative Myositis, 1409; Progressive Myositis Fibrosa, 1409; Trichinous Myositis, 1410.

INTERSTITIAL MYOSITIS ..... 1410  
 Myositis Ossificans, 1410; Progressive Myositis Ossificans, 1410.

THE FIBROSITIS SYNDROME ..... 1411  
*Wallace Graham*

DISEASES OF THE JOINTS

ARTHRITIS ..... 1415  
*Russell L. Cecil*

ARTHRITIS DUE TO INFECTION ..... 1415  
 RHEUMATOID ARTHRITIS ..... 1417  
 Clinical Variants of Rheumatoid Arthritis, 1432.

DEGENERATIVE JOINT DISEASE ..... 1435  
*Russell L. Cecil*

SPECIAL FORMS ..... 1438  
 Osteoarthritis of the Hip, 1438; Heberden's Nodes, 1438; Hypertrophic Spondylitis, 1439.

ARTHRITIS ASSOCIATED WITH DISTURBANCES OF METABOLISM ..... 1439  
*Russell L. Cecil*

NEUROGENIC ARTHROPATHY ..... 1440  
*Russell L. Cecil*

NEOPLASMS OF THE JOINTS ..... 1440  
*Russell L. Cecil*

MECHANICAL DERANGEMENTS OF JOINTS .. 1440  
*Russell L. Cecil*

MISCELLANEOUS FORMS OF ARTHRITIS ... 1441  
*Russell L. Cecil*

THE PAINFUL SHOULDER ..... 1442  
*Russell L. Cecil*

CALCIFIC TENDINITIS ..... 1442  
 ADHESIVE PERITENDINITIS ..... 1442  
 ARTHRITIS OF THE SHOULDER ..... 1443  
 THE SHOULDER-HAND SYNDROME .... 1443

DISEASES OF THE BONES

OSTEOPOROSIS ..... 1445  
*Walter Bauer; Frederic C. Bartter*

FRAGILITAS OSSIUM . . . . .	1447	DYSCHONDROPLASIA . . . . .	1459
<i>Frederic C. Bartter; Walter Bauer</i>		<i>Walter Bauer; Frederic C. Bartter</i>	
OSTEOMALACIA . . . . .	1449	HEREDITARY DEFORMING CHONDRODYS-	
<i>Walter Bauer; Frederic C. Bartter</i>		PLASIA . . . . .	1460
OSTEITIS FIBROSA-CYSTICA GENERALISATA . . . . .	1452	OLLIER'S DISEASE . . . . .	1460
<i>Walter Bauer; Frederic C. Bartter</i>		ACHONDROPLASIA . . . . .	1461
FIBROUS DYSPLASIA OF BONE . . . . .	1454	<i>Walter Bauer; Frederic C. Bartter</i>	
<i>Walter Bauer; Frederic C. Bartter</i>		OXYCEPHALY . . . . .	1463
OSTEITIS DEFORMANS . . . . .	1456	<i>Walter Bauer; Frederic C. Bartter</i>	
<i>Walter Bauer; Frederic C. Bartter</i>		HYPEROSTOSIS FRONTALIS INTERNA . . . . .	1466
LEONTIASIS OSSEA . . . . .	1459	<i>Walter Bauer; Frederic C. Bartter</i>	
<i>Walter Bauer; Frederic C. Bartter</i>		HYPERTROPHIC OSTEOARTHROPY . . . . .	1467
		<i>Walter Bauer; Frederic C. Bartter</i>	
		TUMORS OF BONE . . . . .	1470
		<i>Bradley L. Coley</i>	

### DISEASES OF THE NERVOUS SYSTEM

#### **○ IMPORTANT SYMPTOMS AND SIGNS**

HEADACHE . . . . .	1476
<i>Harold G. Wolff</i>	
HEADACHE MECHANISMS . . . . .	1476
Mechanisms of Headache from Inter-	
cranial Sources, 1477; Mechanisms of	
Headache from Extracranial Sources,	
1478.	
HEADACHES ARISING CHIEFLY FROM	
INTRACRANIAL STRUCTURES . . . . .	1478
Brain Tumor Headache with or with-	
out Increased Intracranial Pressure,	
1479.	
HEADACHES ARISING CHIEFLY FROM	
EXTRACRANIAL STRUCTURES . . . . .	1480
Migraine Syndrome, 1480; Muscles	
of the Head and Neck as Sources	
of Head Pain, 1482; Recurrent	
("Chronic") Post-Traumatic Head-	
ache, 1483; Headaches Associated	
with Arterial Hypertension, 1483;	
Nasal and Paranasal Structures as	
Sources of Headache and Other Head	
Pain, 1484; Head Pain and Disease	
of the Teeth, 1484; Head Pain and	
Disease of the Ear, 1485; The Eye as	
a Source of Headache and Other Pain,	
1485.	
THE EFFECT ON HEADACHE OF LOCAL	
ANALGESIC ACTION . . . . .	1486
CONVULSIVE STATES . . . . .	1486
<i>William G. Lennox</i>	
EPILEPSY . . . . .	1486
<i>George L. Engel</i>	
SYNCOPE . . . . .	1495
NARCOLEPSY . . . . .	1497
<i>Donald J. Simons</i>	
APHASIA . . . . .	1499
<i>Johannes M. Nielsen</i>	

HEMIPLEGIA . . . . .	1503
<i>Louis Hausman</i>	
DELIRIUM . . . . .	1509
<i>Desmond Curran</i>	
THE DEMENTIAS . . . . .	1511
<i>William H. Dunn</i>	

#### **○ DISEASES OF THE MOTOR TRACTS**

PROGRESSIVE SPINAL MUSCULAR ATROPHY	1514
<i>Bernard J. Alpers</i>	
PROGRESSIVE SPINAL MUSCULAR ATROPHY	
OF CHILDHOOD OF FAMILIAL CHARAC-	
TER . . . . .	1515
<i>Bernard J. Alpers</i>	
NEURAL FORM OF PROGRESSIVE MUSCULAR	
ATROPHY . . . . .	1516
<i>Bernard J. Alpers</i>	
<u>AMYOTROPHIC LATERAL SCLEROSIS</u> . . . . .	1517
<i>Bernard J. Alpers</i>	
PRIMARY LATERAL SCLEROSIS . . . . .	1518
<i>Bernard J. Alpers</i>	
PROGRESSIVE BULBAR PARALYSIS . . . . .	1519
<i>Bernard J. Alpers</i>	
HEREDITARY, FAMILIAL AND CONGENITAL	
DISEASES	
MALFORMATIONS OF THE BRAIN, MENINGES	
AND SPINAL CORD . . . . .	1521
<i>Lewis Stevenson</i>	
HYDROCEPHALY . . . . .	1521
MENINGOCELE . . . . .	1522
SPINA BIFIDA . . . . .	1522
DEFECTS OF THE SPINAL CORD . . . . .	1522

LITTLE'S DISEASE . . . . .	1523	● ACUTE CHOREA . . . . .	1560
<i>Lewis Stevenson</i>		<i>Walter O. Klingman</i>	
HEREDITARY HEMIPLEGIA . . . . .	1523	PARALYSIS AGITANS . . . . .	1564
<i>Lewis Stevenson</i>		<i>D. Denny-Brown</i>	
HEREDITARY SPINAL ATAXIA . . . . .	1523	TIC AND TORTICOLLIS . . . . .	1567
<i>Lewis Stevenson</i>		<i>D. Denny-Brown</i>	
HEREDITARY CEREBELLAR ATAXIA . . . . .	1524	MUSCLE SPASMS, PROFESSIONAL CRAMP AND BACKACHE . . . . .	1568
<i>Lewis Stevenson</i>		<i>Thomas H. Holmes</i>	
MENTAL DEFICIENCY . . . . .	1524	<b>DIFFUSE AND FOCAL DISEASES OF THE SPINAL CORD</b>	
<i>George A. Jervis</i>		AFFECTIONS OF THE BLOOD VESSELS OF THE SPINAL CORD . . . . .	
TYPES OF MENTAL DEFICIENCY . . . . .	1524	<i>H. Houston Merritt</i>	1573
Undifferentiated Mental Deficiency, 1524; Amaurotic Family Idiocy, 1525; Gargoylism, 1525; Tuberoscle- rosis, 1526; Mongolism, 1526.		VASCULAR LESIONS OF THE SPINAL CORD . . . . .	1573
HEREDITARY CHOREA . . . . .	1527	ARTERIOSCLEROSIS OF THE SPINAL VES- SELS . . . . .	1573
<i>D. Denny-Brown</i>		MYELOMALACIA . . . . .	1573
FAMILIAL SPASTIC PARALYSIS . . . . .	1528	HEMATOMYELIA . . . . .	1574
<i>D. Denny-Brown</i>		TUMORS OF THE SPINAL CORD AND SPINAL CANAL . . . . .	1575
PROGRESSIVE FAMILIAL NEURITIC ATRO- PHIES . . . . .	1528	<i>Bronson S. Ray</i>	
<i>D. Denny-Brown</i>		DEVELOPMENTAL ANOMALIES OF THE CER- VICOMEDULLARY JUNCTURE . . . . .	1580
DYSTONIA MUSCULORUM DEFORMANS . . . . .	1528	<i>Bronson S. Ray</i>	
<i>D. Denny-Brown</i>		SYRINGOMYELIA . . . . .	1582
<b>DISEASES OF VARIOUS ETIOLOGY</b>		<i>Fred Plum</i>	
● MYASTHENIA GRAVIS . . . . .	1530	<b>DIFFUSE AND FOCAL DISEASES OF THE BRAIN</b>	
<i>A. McGehee Harvey</i>		AFFECTIONS OF THE BLOOD VESSELS OF THE BRAIN . . . . .	
MENINGITIS . . . . .	1535	<i>H. Houston Merritt</i>	1585
<i>Chester S. Keefer</i>		CEREBRAL HEMORRHAGE . . . . .	1585
NONPURULENT MENINGITIS . . . . .	1539	CEREBRAL THROMBOSIS . . . . .	1585
● MYELITIS . . . . .	1541	CEREBRAL EMBOLUS . . . . .	1586
<i>Raymond D. Adams</i>		MANAGEMENT OF CEREBRAL VASCULAR ACCIDENTS . . . . .	1586
MYELITIS DUE TO FILTERABLE VIRUSES	1542	COMMON SYNDROMES OF CEREBRAL VASCULAR ACCIDENTS . . . . .	1591
MYELITIS (MYELOPATHY) OF UN- KNOWN ETIOLOGY . . . . .	1542	VASCULAR LESIONS OF THE BRAIN STEM . . . . .	1593
Demyelinative and Degenerative (Ne- crotic) Myelopathy, 1542; Acute Dis- seminated Postinfectious and Postvac- cinal Myelopathy, 1544.		PSEUDOBULBAR PALSY . . . . .	1594
MYELITIS SECONDARY TO INFLAMMA- TORY DISEASES OF THE MENINGES	1544	CEREBRAL VENOUS LESIONS . . . . .	1595
Pyogenic or Suppurative Myelitis; 1545; Tuberculous Myelitis, 1545; Myelitis Due to Miscellaneous Fun- gous and Parasitic Diseases and Others of Unknown Cause, 1545.		SUBDURAL HEMATOMA . . . . .	1596
● ACUTE IDIOPATHIC POLYNEURITIS . . . . .	1548	<i>George A. Wolf, Jr.</i>	
<i>Raymond D. Adams</i>		SPONTANEOUS SUBARACHNOID HEMOR- RHAGE . . . . .	1598
<u>COMBINED SYSTEM DISEASE</u> . . . . .	1553	INTRACRANIAL TUMORS . . . . .	1600
<i>D. Denny-Brown</i>		<i>A. Earl Walker</i>	
● <u>MULTIPLE SCLEROSIS</u> . . . . .	1556	INTRACRANIAL ABSCESSSES . . . . .	1608
<i>George A. Schumacher</i>		<i>A. Earl Walker</i>	
		INTERNAL HYDROCEPHALUS . . . . .	1611
		<i>D. D. Matson</i>	

BIRTH INJURIES OF THE CENTRAL NERVOUS SYSTEM .....	1613	NEUROMAS .....	1638
D. D. Matson		A. B. Baker	
BRAIN .....	1613	<b>VASOMOTOR AND TROPHIC DISORDERS</b>	
SPINAL CORD .....	1615	CAUSALGIA .....	1640
<b>DISEASES OF NERVE ROOTS, PLEXUSES AND NERVES</b>		Theodore Lidz	
OPTIC NEURITIS AND RETROBULAR NEURITIS .....	1616	ACROPARESTHESIA .....	1641
E. Charles Kunkle		George D. Gammon	
OPTIC ATROPHY .....	1618	FACIAL HEMIATROPHY .....	1642
E. Charles Kunkle		Fred Plum	
TRIGEMINAL NEURALGIA .....	1619	HEMIFACIAL SPASM .....	1643
E. Charles Kunkle		Fred Plum	
MENIÈRE'S DISEASE .....	1621	<b>PSYCHOSOMATIC MEDICINE</b>	
E. Charles Kunkle		INTRODUCTION .....	1645
BELL'S PALSY .....	1623	Stanley Cobb	
E. Charles Kunkle		SPECIFICITY OF PSYCHOSOMATIC REACTIONS .....	1646
HORNER'S SYNDROME .....	1624	Stanley Cobb	
E. Charles Kunkle		<b>THE PSYCHONEUROSES</b>	
GLOSSOPHARYNGEAL NEURALGIA .....	1625	THE PSYCHONEUROSES .....	1650
E. Charles Kunkle		Thomas A. C. Rennie	
<b>DISEASES OF OTHER ROOTS AND NERVES</b>		<b>THE PSYCHOSES</b>	
NEURITIS .....	1628	GENERAL CONSIDERATIONS .....	1669
E. Charles Kunkle		John C. Whitehorn	
DIPHThERITIC POLYNEURITIS .....	1632	THE FUNCTIONAL UNDERSTANDING OF PSYCHOTIC REACTIONS .....	1670
George D. Gammon		John C. Whitehorn	
SCALenus ANTICUS SYNDROME .....	1633	STATISTICAL DIAGNOSTIC CLASSIFICATION .....	1675
A. B. Baker		John C. Whitehorn	
<b>CERVICAL AND LUMBOSACRAL RADICULITIS, INCLUDING THE SYNDROME DUE TO DISPLACEMENT OF AN INTERVERTEBRAL DISK .....</b>	1634	SPECIAL PSYCHIATRIC CONDITIONS .....	1676
Kendall B. Corbin		John C. Whitehorn	
RADICULITIS DUE TO PROTRUSION OF THE INTERVERTEBRAL DISKS ...	1636	PSYCHIATRIC THERAPY .....	1681
Protrusion of Lumbar Disks, 1636;		John C. Whitehorn	
Protrusion of Cervical Disks, 1637.			
<b>APPENDIX AND INDEX</b>			
NORMAL LABORATORY VALUES OF CLINICAL IMPORTANCE .....	1683	INDEX .....	1689