CONTENTS

Dedication Foreword by Moe Bergman		v vii ix	10	The Acoustic Reflex Stanley A. Gelfand	189
Preface Contributors		xiii	11	Introduction to Auditory Evoked Potentials	222
	SECTION I: INTRODUCTION AND BASIC TESTS AND PROCEDURES	N 1	12	Robert Burkard and Kathleen McNerney Electrocochleography Paul J. Abbas and Carolyn J. Brown	242
	Clinical Audiology Jack Katz	3	13	Auditory Brainstem Response: Differential Diagnosis	265
	Calibration: Puretone, Speech, and Noise Signals	7		Manuel Don and Betty Kwong	
3	Puretone Evaluation Robert S. Schlauch and Peggy Nelson	30	14	Auditory Brainstem Response in Audiometric Threshold Prediction Yvonne S. Sininger and Martyn L. Hyde	293
4	Assessing Bone Conduction Thresholds in Clinical Practice B.A. Vento and J.D. Durrant	50	15	The Auditory Steady-State Response Barbara Cone-Wesson and Andrew Dimitrinjevic	
5	Speech Audiometry Rachel McArdle and Theresa Hnath-Chisolm	64	16	Intraoperative Neurophysiology: Monitoring Auditory Evoked Potentials	351
6	Clinical Masking	80		William Hal Martin and Yongbing Shi	331
7	William S. Yacullo Case History Douglas L. Beck	116	17	Middle Latency Auditory Evoked Potentials: Update Anthony T. Cacace and Dennis J. McFarland	373
577	SECTION II: PHYSIOLOGICAL PRINCIPLES AND		18	Cortical Event-Related Potentials to Auditory Stimuli David R. Stapells	395
	MEASURES	123	19	Clinical Neurophysiology of the	
8	Principles of Acoustic Immittance at Acoustic Transfer Functions	nd 125		Vestibular System Kamran Barin	431
9	Douglas H. Keefe and M. Patrick Feeney Tympanometry in Clinical Practice Janet Shanks and Jack Shohet	157	20	Evaluation of the Patient with Dizziness and Balance Disorder Neil T. Shepard	467
	,			I	•

George Haskell, and Aditya Bardia

21	Otoacoustic Emissions	497	150	SECTION IV MANIACEMENT	
	Beth Prieve and Tracy Fitzgerald	127	711	SECTION IV MANAGEMENT OF HEARING DISORDERS	743
22	Current Physiologic Bases of Audiologic Interpretation and Management Charles I. Berlin and Linda J. Hood	529	34	Room Acoustics and Auditory Rehabilitation Technology Joseph Smaldino, Carl Crandell, Brian Kreisman, Andrew John, and Nicole Kreisman	745
17	SECTION III SPECIAL		35	Hearing Aid Technology <i>Ruth A. Bentler and H. Gustav Mueller</i>	776
22		543	36	Troubleshooting Hearing Aids <i>Moneca Price, William Cole, and Marshall Chasi</i>	794
23	Assessment of Hearing Loss in Children Allan O. Diefendorf	545	37	Hearing Instrument Fitting and Verification for Children	827
24	Educational Audiology Cheryl DeConde Johnson	564	38	Pat Stelmachowitz and Brenda Hoover Hearing Aid Fitting for Adults:	
25	Mechanisms Underlying Central Auditory Processing Larry Medwetsky	584	30	Selection, Fitting, Verification, and Validation Michael Valente and Maureen Valente	846
26	Auditory Pathway Representations of Speech Sounds in Humans Daniel A. Abrams and Nina Kraus	611	39	Building and Growing a Successful Audiology Practice David Cunningham and James Baer	871
27	Central Auditory Processing Evaluation: A Test Battery Approach	627	40	Cochlear Implants Teresa A. Zwolan	912
28	Kim L. Tillery Management of Central Auditory Processing Disorders Larry Medwetsky, Laura Riddle, and Jack Katz	642	41	Intervention, Education, and Therapy for Children Who Are Deaf or Hard of Hearing Arlene Stredler Brown	934
29	Individuals with Multiple Disabilities Anne Marie Tharpe	666	42	Management of Adults with Hearing Loss	955
30	Noise Exposure and Issues in Hearing Conversation James Feuerstein and Marshall Chasin	678	43	Dean Garstecki and Susan Erler Counseling: How Audiologists Can Help Patients Adjust to Hearing Loss	971
31	Nonorganic Hearing Loss Fredrick N. Martin	699		Kris English	
32	Hearing Loss in the Elderly: A New Look at an Old Problem Barbara E. Weinstein	712	111	Author Index	987
33	Tinnitus and Hyperacusis Richard S. Tyler, William Noble, Claudia Coelho,	726		Subject Index 1	001