- Contributors (p. xiii)
- **Preface** (p. xxi)
- Part 1 General Principles (p. 1)
- 1 The Development of Modern Behavioral Neurology and Neuropsychology (p. 3)
- 2 The Mental Status Exam (p. 23)
- 3 Principles of Neuropsychological Assessment (p. 33)
- 4 Some Anatomic Principles Related to Behavioral Neurology and Neuropsychology (p. 45)
- 5 Mechanisms of Plasticity and Behavior (p. 57)
- 6 The Lesion Method in Behavioral Neurology and Neuropsychology (p. 71)
- 7 Functional Imaging in Behavioral Neurology and Neuropsychology (p. 85)
- 8 Functional Neuroimaging Studies of Neuropsychological Patients (p. 97)
- 9 Electrophysiological Methods and Transcranial Magnetic Stimulation in Behavioral Neurology and Neuropsychology (p. 105)
- 10 Computational Modeling in Behavioral Neurology and Neuropsychology (p. 135)
- Part 2 Aphasia and Other Dominant Hemisphere Syndromes (p. 145)
- 11 Aphasia: Clinical and Anatomic Issues (p. 147)
- 12 Aphasia: Cognitive Neuropsychological Issues (p. 165)
- 13 Rehabilitation of Aphasia (p. 179)
- 14 Acquired Disorders of Reading (p. 195)
- 15 Acalculia and Number Processing Disorders (p. 207)
- 16 Disorders of Skilled Movements: Limb Apraxia (p. 217)
- Part 3 Agnosia and Disorders of Perception (p. 225)
- 17 Visual Perception and Visual Imagery (p. 227)
- 18 Visual Object Agnosia (p. 233)
- **19 Prosopagnosia** (p. 239)
- **20 Disorders of Color Processing** (p. 243)
- 21 Auditory Agnosia and Amusia (p. 257)
- 22 Tactile Agnosia and Disorders of Tactile Perception (p. 271)
- 23 Disorders of Body Perception and Representation (p. 285)
- **24 Visuospatial Function** (p. 295)
- Part 4 Disorders of Attention and Awareness (p. 301)
- 25 Neglect: Clinical and Anatomic Issues (p. 303)
- 26 Neglect: Cognitive Neuropsychological Issues (p. 313)
- 27 Balint's Syndrome and Related Disorders (p. 325)
- 28 Disorders of Consciousness in Coma, Stupor, and Minimally Responsive States (p. 337)
- **29 Anosognosia** (p. 345)
- **30 Confabulation** (p. 363)
- 31 Misidentification Syndromes (p. 373)
- Part 5 Frontal, Callosal, and Subcortical Syndromes (p. 383)
- 32 Frontal Lobes: Clinical and Anatomic Issues (p. 385)
- 33 Frontal Lobes: Cognitive Neuropsychological Issues (p. 393)
- **34 Callosal Disconnection** (p. 401)
- 35 Syndromes due to Acquired Basal Ganglia Damage (p. 411)
- 36 Syndromes due to Acquired Thalamic Damage (p. 419)

- Part 6 Memory and Amnesia (p. 429)
- 37 Amnesia: Neuroanatomic and Clinical Issues (p. 431)
- 38 Amnesia: Cognitive Neuropsychological Issues (p. 445)
- 39 Semantic Memory Impairment (p. 457)
- 40 Learning and Memory Dysfunction Following Traumatic Brain Injury (p. 463)
- 41 Memory Impairment Following Anterior Communicating Artery Aneurysm (p. 477)
- 42 Rehabilitation of Memory Dysfunction (p. 487)
- Part 7 Delirium, Dementia, and Epilepsy (p. 493)
- 43 Delirium and Dementia: an Overview (p. 495)
- 44 Alzheimer's Disease: Clinical and Anatomic Issues (p. 515)
- 45 Alzheimer's Disease: Biochemical and Pharmacologic Issues (p. 545)
- 46 Alzheimer's Disease: Cognitive Neuropsychological Issues (p. 573)
- 47 Frontotemporal Dementia and Variants (p. 582)
- 48 Dementia in Parkinson's Disease, Huntington's Disease, and Related Disorders (p. 593)
- **49 Vascular Dementia** (p. 609)
- 50 Infective Causes of Dementia Including Human Immunodeficiency Virus (p. 629)
- 51 Wernicke-Korsakoff and Related Nutritional Disorders of the Nervous System (p. 639)
- 52 Neurobehavioral Aspects of Vasculitis and Collagen Vascular Syndromes (p. 651)
- 53 Normal Pressure Hydrocephalus (p. 659)
- 54 Cognitive and Behavioral Aspects of Epilepsy (p. 675)
- 55 Neuropsychological Aspects of Temporal Lobe Epilepsy Surgery (p. 695)
- Part 8 Emotional Disorders (p. 709)
- 56 Emotion and the Brain: An Overview (p. 711)
- 57 Emotional Disorders in Relation to Unilateral Brain Damage (p. 725)
- 58 Emotional Disorders in Relation to Nonfocal Brain Dysfunction (p. 735)
- **59 The Aprosodias** (p. 743)
- **60 Violence and the Brain** (p. 755)
- Part 9 Neurobehavioral Disorders in Children (p. 763)
- 61 The Neurobehavioral Examination for Children (p. 765)
- **62 Pediatric Neuropsychological Assessment** (p. 773)
- 63 Acquired Disorders of Language in Children (p. 783)
- **64 Developmental Reading Disorders** (p. 801)
- 65 Nonverbal, Social, and Emotional Learning Disabilities (p. 821)
- 66 Attention Deficit Hyperactivity Disorder (p. 831)
- **67 Mental Retardation** (p. 843)
- 68 The Pervasive Developmental Disorders: Autism and Related Conditions (p. 853)
- 69 Molecular Genetics of Cognitive Developmental Disorders (p. 867)
- Color Plates
- Glossary of Linguistic Terms (p. 881)
- **Index** (p. 883)