

systems — could be affected by injury, central mechanisms are dismissed. Changes in vascular autoregulation are not mentioned. There is little on the natural history of post-traumatic headache or associated disorders of balance, sleep, memory, concentration and mood. Instead, there is an exotic classification of psychologic reactions to trauma. In this chapter, Wolff's 1946 views on depression, anxiety and muscle contraction continue to hold sway.

Problems are not confined to new material. Basic instruction — "pattern recognition from the history" — is inexplicably separated into an early chapter by that name and a five page section at the end of the book (pp. 234-238). Lumbar puncture headache receives scant attention and the only author quoted is not in the reference list. The phenolamine test is not mentioned in the diagnosis of pheochromocytoma. A detailed paragraph on communicating hydrocephalus fails to mention whether it causes headache. Childhood migraine is not indexed, and its treatment is not discussed except to suggest Bellergal is useful (p. 197).

Lance is the world's most respected headache expert, contributing numerous clinical papers and laboratory discoveries to an accelerating departure from simplistic, naive, and unproven concepts which had reached a scriptural level of unquestioned authority. In view of this, the emphasis on some mid-century teachings in the fourth edition of his headache textbook is surprising. This, combined with the fragmentation and inadequate explanation of new material and the contradictions inherent in presenting both without adequate synthesis, makes it difficult to recommend this edition to general practitioners and students. The specialist will consult other publications for recent advances, but may find a useful nugget in the vast literature collected here.

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COMA — Physiopathology, Diagnosis and Management. Edited by L. P. Ivan and D. A. Bruce. Published by Charles C. Thomas, Springfield, Illinois.

This volume evolved from papers presented at the 19th Canadian Congress of Neurological Sciences, held in Ottawa in June, 1980. Intended as an adjunct to the existing literature, this synopsis provides an introduction to the many facets of the diagnosis and treatment of the comatose patient.

Chapters dealing with the clinical, biochemical, physiological and neuroradiological aspects of coma are provided. These are generally well-written but in some areas, tend to be superficial. Throughout many of these chapters, one detects the thread of Plum and Posner's original text, on stupor and coma.

The pathological descriptions by Dr. Norman and Lach are well written and illustrated. The discussion of the physiological consequences of head injury is important reading for primary care and specialist physicians. Dr. Ivan's chapter on brain death appropriately emphasizes the physician responsibility to his neurologically destitute patient.

Several chapters deal with or allude to brain resuscitation. Intracranial pressure monitoring is discussed in a standard text book fashion. The usefulness of barbiturates is addressed in trauma, ischemia and Reye's syndrome. The many questions appropriate to these forms of intervention are raised but not answered. An important contribution found in this volume is the discussion of the kinetics of barbiturate therapy in children provided by Dr. Bruce and Swedlow.

This volume is an overview of coma assessment and management as of 1980. It provides an introduction to the subject and contains appropriate references. It will prove most valuable to physicians in training, casualty officers and family physicians.

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Books Received

GENERAL PSYCHOPATHOLOGY — Handbook of Psychiatry — Vol. 1. Edited by M. Shepherd and O. L. Zangwill. Published by Cambridge University Press, New York. 307 pages. \$49.50 US (HB), \$19.95 US (PB).

GROWTH AND TROPHIC FACTORS. Series progress in clinical and biological research. Volume 118. Edited by J. R. Perex-Polo, Jean de Vellis, Bernard Habes. Published by Alan R. Liss, Inc., New York. 456 pages. \$45.00 US.

HANDBOOK OF THE SPINAL CORD, Volume 1: Pharmacology. 1983. Edited by Robert A. Davidoff. Published by Marcel Dekker Inc., New York. 560 pages. \$69.75 US.

MECHANISM AND MANAGEMENT OF HEADACHE, 4th Edition. By James W. Lance. Published by Butterworths, London. 260 pages. \$39.95 US.

MUSCLE PATHOLOGY IN NEUROMUSCULAR DISEASE. By Andras L. Korenyi and Both. Published by Charles C. Thomas, Springfield, Illinois. 486 pages. \$74.50 US.

PRATIQUE NEUROLOGIQUE. By Christian Derouesné. Published by Flammarion Medecine-Sciences, Paris. 745 pages.

VASCULAR DISEASE OF THE CENTRAL NERVOUS SYSTEM. 2nd Edition. Edited by R. W. Ross Russell. Published by Churchill Livingstone, London. 381 pages. \$117 Cdn.