Continuous monitoring of the intracranial pressure is very much an established technique both in clinical practice and experimental projects, as the large volume of published material relating to it bears witness. Indeed it may be considered a major growth industry if one compares the 346 pages of papers read at the 3rd International Symposium on Intracranial Pressure in 1976 and published as Intracranial Pressure III with the 676 pages contained in this volume, being the papers delivered at the 4th International Symposium on Intracranial Pressure held at Williamsburg, Virginia in 1979. The Symposium was divided into 12 sessions, the main topics including head injury, intracranial haemorrhage, brain oedema, hydrocephalus and anaesthesia and intracranial pressure. The papers read in each section represent the present state of our knowledge and include strictly clinical applications of the technique of pressure monitoring in addition to much basic research with both animal and human studies being included. As with any volume containing so many papers by an enormous number of authors, the quality of presentation understandably is extremely varied. It is obviously impossible in a short review such as this to summarise all the papers. To my mind one of the most valuable items is the closing discussion by Dr Thomas Langfitt “Where have we been, where are we now, and where do we go from here?” in which he correlates much of the important work on topics such as the volume/pressure relationships, cerebral oedema, and CSF dynamics, summarises the use of continuous intracranial pressure monitoring clinically in the management of patients with conditions such as hydrocephalus and head injury and mentions some of the work which he feels necessary in the future.

$70.30 may seem to some a large amount of money to pay for the proceedings of a symposium particularly as most of those clinicians with a genuine interest in pressure monitoring will have their symposium copy, and it is probable that this extremely useful book will be purchased as a reference volume by librarians rather than by casually interested individuals. Not least among its uses is the enormous list of references contained.

MICHAEL BRIGGS


It is a pleasure to see a good well illustrated book on a useful simple and rapid diagnostic neuropathological technique. Related methods are known to reveal much cell detail in haematology and in tumour pathology in general. Smearing provides in addition a “three dimensional” impression which is an important factor in the diagnosis. Although smears are often made from a part of a small needle biopsy specimen, the results often match with what later emerges in conventional paraffin wax sections of the rest of the biopsy. Frozen sections—sometimes demanded by the clinicians—seldom, if ever, help in the study of small biopsy specimens; the authors write on the last page that “it is only when the tissue submitted is unusually tough that we have recourse to frozen sections”.

Naturally there are problems, and in spite of the impressive overall accuracy at Glasgow, occasional diagnostic mistakes enrich our experience. The technique, as is shown in the book, need not be limited to intrinsically central nervous tumours and other lesions. It is worthwhile doing on pilatory lesions and on epidural cranial and spinal specimens. It deserves to be employed more widely than is the case at present, although experience in its use, in this country at least, is already quite widespread.

To conclude, it is also very good to see the importance stressed of everybody involved in a “case” knowing all that there is to know. Neuropathologists must, and generally do, closely co-operate with the neurosurgeons, neuroradiologists and others involved.

IVAN JANOTA


The remarkable monograph by Lorente de No on the primary acoustic nuclei is the result of his research completed by 1938 and revised in 1979. It was rescued from oblivion by Dr Victor Goodhill, Professor of Surgery at the University of California, Los Angeles with whom Lorente de No collaborated and who has also written the foreword. This book contains reproductions of over 100 original drawings by the author based on Golgi and Golgi-Cox preparations, and 19 photomicrographs of sections stained for myelin in order to demonstrate association tracts. The lucid text and the beautiful illustrations painlessly guide the reader through the complexities of the auditory system. The chapters on the cytoarchitecture and on the organisation of the cortex of the acoustic tubercle will contribute to the understanding of the role of this structure, particularly the “cerebellum of the acoustic system”. Although it is primarily a morphological work, physiological interpretations are made of particular structures describing associative passages. This monograph, which no doubt will become a classical reference book, is in the best tradition of the Spanish school of neurohistology to which we owe so much of our present knowledge of the nervous system.

P LANTER
as mechanisms for reducing psychic tension and aiding wish fulfilment, a possible right hemisphere origin for dreams, and the effect of proteins and catecholamines on sleep. Altogether Fishbein argues convincingly for some memory function of sleep, and the book will be of considerable interest to psychologists and psychobiologists involved in sleep research.

JD PARKES


Narcolepsy is common but less well described than both myasthenia gravis and disseminated sclerosis. Since narcolepsy usually starts in adolescence and lasts a life-time, it forms a major medical problem. Despite this, I know of only one other previous book in English devoted to narcolepsy, a published conference report of 1976. This account of the clinical experience of Roth working at the Neurology Clinic of the Charles University in Prague and well edited by Roger Broughton in Ottawa is, therefore, timely. The text is founded on 360 patients with narcolepsy and 260 with hypersomnia seen since 1949. The method of classification of narcolepsy and hypersomnia proposed by Roth is excellent, with a fundamental clinical division between brief attacks of narcolepsy occurring under unusual circumstances and prolonged sleep with monotonous hypsomnolence. This is further subdivided into short-cycle and long-cycle variants depending on the frequency of attacks.

The introduction and historical section complement the brilliant review by Passouant in the Montpellier proceedings of 1976, and include reference to the post-mortem finding by Bright in 1836 of bleeding into the thalamus and striatum in a man with narcolepsy and cataplexy. The main strength of this book lies in detailed clinical accounts of narcolepsy, the hypersomnias and subjects as diverse as menstrual sleep disorders, status cataplecticus and atypical Kleine-Levin variants. Apparently, the ecstasy of reading Czechoslovak lyric poetry may cause cataplexy. There is a critical review of the possible association of headache, obesity, hypotension, endocrine and autonomic disturbances with narcolepsy, and of the frequent but usually irrelevant bio-

chemical abnormalities often described. Sleep laboratory findings in different disorders are described in some detail.

Criticsims are minor. The discussion of the pharmacology of central stimulant drugs is somewhat limited, and no adequate direct comparison of different stimulant phenylethylamines has ever been done. There has also never been a critical trial of monoamine oxidase inhibitors in narcolepsy. The text is occasionally repetitive and not always sufficiently critical, particularly of some of the findings of east European authors whose conclusions about narcolepsy are somewhat different from western European and American experience. Despite these minor problems, this book forms an excellent and personal account of disorders of excessive day-time sleep and is based on a huge experience. It should become the standard monograph on narcolepsy and hypersomnia.

JD PARKES


This is a beautiful and illuminating book on sensory nerve endings. It contains nearly 200 plates, some in colours, of drawings, photonmicrographs and electron micrographs. Most illustrations are, however, reproductions of the original drawings made from the author's own histological preparations collected during decades of research. The technique most frequently applied for the demonstration of nerve endings in this atlas is the silver impregnation method of Bielschowsky which has been successfully modified by Professoor Abraham. In addition, some sections have been stained by his own method, the description of which has been provided for enterprise neurohistologists.

The material covers a striking variety of species from the grasshopper and woodland mouse to man and deals with various types of sensory endings, both exteroceptors and interoceptors. Each plate is accompanied by a brief, explanatory text with comments on neurohistology and neuro-anatomy: these are of considerable help to the reader in gaining a perspective of evolution by comparing different species.

The book concludes with an epilogue which itself is both a moving account of Professor Abraham's pursuit of knowledge and the credo of a distinguished scientist.

P LANTOS


This rather expensive little book, paper bound, is intended as a preliminary clinical text in neurology for medical students. It is based on neurology teaching to the medical students at Dartmouth College in the USA. Although the text itself consists of only 232 pages the first 100 pages are taken up by descriptions of neurological syndromes, and by a discussion of the technique of the clinical examination. Curiously the book begins with a discussion of the clinical examination. Nothing at all is said about history taking yet to most neurologists this is the more important. The text itself consists of chapters by various authors. The choice of topics is somewhat idiosyncratic and important diseases are given surprisingly little space. For example, multiple sclerosis is discussed in only two pages and no attempt is made to describe the principles of management of this disabling disease. The chapter on stroke is, likewise, somewhat unsatisfactory. Transient ischaemic attacks are defined as “a reversible episode of neurologic deficit caused by vascular insufficiency usually lasting no longer than minutes, but occasionally persisting for 24 hours and rarely several days”. This is a description which must satisfy everyone to some degree but which can teach nobody anything and can only lead to confusion in the mind of the student. Certainly, it seems clear that the author does not know what a TIA is.

Despite these general and particular criticisms there are some aspects of this book which are well done. The chapter on mass lesions, for example, gives a clear and coherent account of the problems of diagnosis and management in a concise form. Likewise, headaches are discussed in a sensible fashion. An attempt to describe briefly all the tests and investigations used in neurological practice is very unsatisfactory largely because of the brevity inherent in such a chapter. Despite these criticisms it must be recognised that it is a very difficult task indeed to write a concise text book of neurology, retain an overall view within a small compass, and yet provide sufficient detail to survive the scrutiny of neurologists used to longer and more complete accounts of the subject. There are good points in this book which will appeal to many students

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