unemployment into a book on multiple sclerosis. The relevant material should have been incorporated into a chapter on the social consequences of schizophrenia, which could take a broader view than what is happening on the streets of Chicago and London.

None of this can detract from the value and the quality of this work, and the promise of future volumes. The book is written in an easy and lucid style, which makes it a delight to read. It is a valuable addition to the literature on schizophrenia and its treatment.

PAUL CALLOWAY


This book in the Advances in Neurology series is devoted to the supplementary sensorimotor area (SSMA) and summarises the neurologists, neurosurgeons, and scientists. This area is held in Ohio, Cleveland in 1994. This medially frontal area consists of a number of different cortical regions that are involved in the history section of cortex to the prefrontal and cingulate cortices. The exact number and the defining criteria for each of these areas is still debated, as is found in other systems such as the extrastriate cortical areas. Two areas of the SSMA have distinctive connections, intrinsic organisation and functional roles and this forms much of the basis of the opening chapters in this book. In particular, the relationship of the SSMA to the primary motor cortex and other premotor areas and its role in the initiation and execution of motor commands. This opening section of nine chapters concludes with the book by Plassing in which he critically evaluates the various theories on the role of the SSMA and summarises the currently available information into a coherent model of frontal locomotion control.

The next section of the book then addresses the techniques that have been applied to human subjects to study the SSMA, the most common scenario being in the study of patients with seizures emanating from this cortical site. The classic features of SSMA epilepsy are a tendency for the attacks to occur from sleep with asymmetric tonic posturing of the limbs, abduction and elevation of the contralateral arm and speech arrest with preserved consciousness; a clinical phenotype that is discussed at length in the rest of this book, especially with respect to patients with seizures. This clinical counterpart (SSMA seizure) of the experimental stimulation study has proved to be a powerful bridge linking the sciences of experimental studies to the observations of clinicians, who serves to remind us all of the investigative strength of this combined approach. A point especially emphasised in this volume where scientists and clinicians, rather than being antagonistic, enjoy a partnership with the free exchange of data and ideas.

After the discussion on the definition and investigation of patients with SSMA epilepsy, there are a number of accounts on the surgical treatment of such patients. The studies are often small, with between five and 28 patients, but nevertheless are under-

taken carefully with relatively well defined end-points; an advantage when compared to other surgical treatments in other neurologi- cal conditions, such as pallidotomy or transplanta tion in Parkinson’s disease.

The book concludes with two excellent summary chapters based on workshops designed to define the functions and anatomical boundaries of the SSMA. In many ways this brings the book full circle to where it began, as these topics are discussed in the opening overview chapters by Luders and Freund. The relative content of these four chapters would be sufficient to give most readers all the information they require in an accessible and enjoyable way.

This book is therefore to be highly recom men ded for a number of reasons. It dis cusses an interesting topic in an interesting and imaginative way, and in particular is a testament to the power of a combined clinical and scientific approach in understanding how a given area of the brain functions. It presents new data that not only influence our thinking on how the brain plans and executes movements, but also have clinical implications, i.e. the staging and management of epileptic patients. If any criticism is to be levelled at this book, then it is one of repetition. This can be irritating, but is a small price to pay for what is otherwise an excellent neuroscientific work.

ROGER BARKER


This book reports the proceedings of the Nineteenth Princeton Stroke Conference held in March 1994. The main focus of the conference was the exciting advances in molecular biology and their potential impact on clinical practice. The structure of short chapters based on the presentations as well as the often intriguing discussions. As an introduction or update for clinicians on specific areas of basic science research it is a useful volume and it is referenced. The clinical relevance of some of these areas is emerging and, as such, clinicians need to “keep in touch”. This book would therefore be useful for neurologists. Of particular importance are the approaches to neuroprotection, the “therapeutic time window”, and advances in functional imaging. As one would expect, the chapters on “Emerging Stroke Therapies”, such as the place of thrombolysis, have dated quickly with the results of a number of major trials becoming available.

I found the book format rather formal, and it is intended to compare it with the abbreviated proceedings of the previous Princeton Conference which, for a number of reasons, were published as a supplement to the journal “Stroke”. This was possibly more appropriate and certainly more accessible.

As a clinical neurologist working in stroke medicine I was left considering the continuing importance of collaboration between basic scientists and clinicians. This was summed up by one of the editors who, in response to a comment by a speaker, postu lated “the most important idea that might help in thinking about taking care of stroke if you actually ever saw a stroke patient”.

CHARLES SHERRINGTON


The history of Neuropathology is insepara bly interlinked with the evolution of medicine, particularly that part of our knowledge that concerns to the nervous system. The reason for this is obvious: most neuropathologists of yesteryear were not, in fact, practising neuropathologists, not even histopathologists, but clinicians, often neu rologists and psychiatrists, and quite fre quently anatomists or other scientists. It is enough to glance at the long list of eponym ous diseases of the nervous system to reveal an illustrious list of clinical practition ers and a relative dearth of full-time mor phologists; indeed neuropathology, as a branch of histopathology, has not been defined until relatively recently. This is particularly true of Hungarian neuropathology which has made significant contributions to our existing body of knowledge. While some of the eminent figures of Hungarian neuropathology, like Baló and Körner, are widely known, many other distinguished neuroscientists are not.

It is to the credit of Lóránt Leél-Ossy, himself a prominent neuropathologist, that this volume, which includes his history, has now been filled. He has written a concise, but informative book which lists the achievements of Hungarian neuropathology. This is a delightful catalogue of all those who significantly enhanced our understanding of the normal and diseased nervous system, starting with József Lenhossek who was born in 1818 and connected with Janos Sztrickánh and László Sztrickánh in 1894. Each neuroscientist is presented in a couple of pages only, yet most vital information is there, including a list of main publications at the end. In the closing decade of this century and of the second millennium when countries of central and eastern Europe are likely to join the European Union, this is a particularly timely publica tion to learn about our lesser known and previously remote heritage of neuroscience.

PETER LANTOS


There has been much recent interest in the idiopathic generalised epilepsies from the clinical, experimental and genetic perspectives. These developments have been driven by clinical, technological and basic advances which are now providing important insights into these epilepsies.

This book represents the conclusion of work undertaken at a meeting in Strasbourg in April 1993 and is organised into seven parts and a total of 43 chapters. Typical chapter lengths are of the order of 10 pages or so. In the main they do not merely summarise but have a natural bias towards the individual research interest. This is in keeping I presume with the goal of the book which is to address issues more at the cutting edge of discussion rather than being a broad reference work. The quality of reproduction is excellent with clear concise figures and tables and well reproduced EEGs.

Book reviews
The authors of the chapters collectively represent very much those working at the forefront of their fields in regard to work on the idiopathic generalised epilepsies and as such, this collection of short papers does have a merit.

Interest in the book will largely come from people wishing to enter into this field of study from a clinical or, more likely, research perspective, who wish to get an overview of work being done at these centres of excellence in recent years and to have rapid access to coordinated information. Naturally, in a book of this type, many of the issues addressed are dealt with more extensively in research publications. I have no doubt that the book will serve a useful function in this setting. I would not, however, recommend it to the general neurologist wishing to obtain a little more information for clinical purposes about idiopathic generalised epilepsies, or for someone wishing to consult a more reference type textbook. If one accepts these natural limitations of material that arises primarily from conference proceedings, then the combined work nevertheless does represent useful material.

DAVID FISH


It is a testament to how much I enjoyed reviewing this book that I contrived to read it twice. I read it first whilst on holiday in Mull but it went missing before I put pen to paper. It was some months later (having been discovered underneath the bed of the cottage I rented) that I had the pleasure of refreshing my memory.

This book is the most recent in a series of major problems in neuroscience. Whilst numerically metabolic myopathies could hardly be termed a major problem they are a fascinating group of disorders and do present unique problems of diagnosis, investigation and management which these authors set out to address. As they themselves admit, there is a problem in knowing what to include and what to omit. After all, what are currently regarded as muscular dystrophies may turn out to be due to a defect of muscle metabolism and can fairly claim a place in this book's second edition. Amyloid myopathy and desminopathies could have been reasonably included although I concede they are on the fringes of the authors' remit.

The book opens with five chapters on clinical evaluation, electromyography, muscle biopsy, magnetic resonance spectroscopy and the normal response to exercise. I like these introductory chapters although I would have preferred a single chapter on normal muscle histology to appear here and the pathology of specific disorders to accompany the relevant myopathies later in the book. I suspect the section on magnetic resonance spectroscopy reflects the special interest of the authors—I have to admit I found it rather taxing and although a more knowledgeable reader would consume it with ease I just wonder whether it needs to be quite so detailed. A chapter on exercise is useful with a particularly good section on muscle fatigue.

The second section of the book is devoted to clinical aspects of metabolic myopathies. I would highlight the chapter on disorders of carbohydrate metabolism as particularly useful—each disorder being described under the headings of clinical features, investigation and genetics. The same format is used in the chapter on endocrine disease but not in other clinical chapters which I think is a pity. I do not think that this detracts from the quality or quantity of information provided but a consistency of style does assist the reader. I would have liked to have read more about CPT deficiency and defects of fatty acid oxidation.

The remainder of the book deals with miscellaneous myopathies, periodic paralysis and malignant hyperthermia—all are well covered. There is a final chapter on the genetics of metabolic myopathies which is extremely useful, particularly as the first 10 pages are a summary of the principles of medical genetics—an essential preamble for those of us whose education in this field was limited to the reproductive antics of Pisum sativum and Droshaflia melanogaster.

The book is well illustrated, has clear, uncluttered figures and a good bibliography. Despite my reservations on style and the arrangement of chapters it is an excellent, comprehensive review of the subject and I enjoyed reading it. It should particularly appeal to general neurologists and those with an interest in muscle disease.

DAVID DICK

SHORT NOTICES

Readers may be interested in


