thermoregulatory significance in parts of the body other than the hypothalamus and superficial tissues, and in particular in the spinal cord. There has been debate about the relative importance of peripheral and deep body temperature sensors and the circumstances in which each is dominant. The author considers the possibility that the basic consideration is the mean body temperature rather than any one local temperature. He deals with recent evidence on the role of chemical transmitters which may act in the hypothalamus and with various mechanisms for controlling temperature by altering heat loss and heat production. There are also sections on fever, the effect of exercise, acclimatization, and hibernation. This is a clear review of an expanding subject.

J. M. K. SPALDING

MENTAL DEVELOPMENT EVALUATION OF THE PEDIATRIC PATIENT By L. C. Hartlage and D. G. Lucas. (Pp. 79; illustrated; $6.50.) Thomas: Illinois. 1973. Numerous large and small books on this subject have already appeared. At a price of $6.50 for less than 80 pages it demands critical scrutiny.

There are five chapters, which attempt to deal with mental milestones from 2 years to 9; 10 appendices and an index. Language is American; four pages are devoted to 'Special Education'—State by State—and yet another section surveys 'State Chapters for Disabled Children'.

Since it tries to cover norms for all systems, the detail that can be included in any area is minimal. The most useful part is the chapter on evaluation of school readiness.

Adequate, perhaps, as a basic text for paediatric students; forthright and dogmatic, this book certainly imprints a number of important facts upon the mind.

Primarily aimed at paediatricians, psychologists, and psychiatrists, one gem refers to 'brief screening instruments which can be mastered in a few minutes by nurse or receptionist'; as these include a motley array of tests from the Full-Scale Wechsler to the Bender Gestalt one wonders why American nurses and aides must be so much more intelligent than ours! I hesitate to recommend this book, yet it has got a certain something, jargon and all.

R. C. MACGILLIVRAY


In these days when neurology tends to be dominated by rather technical investigations the logical and philosophical skills of earlier neurologists tend to be undervalued. Pick was by any standards a remarkable figure and his writings in English are few. This translation of his major contributions is, therefore, most welcome. There seems to be no aspect of aphasia to which he did not turn his mind and make some original contribution. Most important was his analysis of the processes by which thought becomes speech. He wrote that the processes of language 'do not consist of an assumed collection of elements but rather are from their very beginning patterned structures (Gestalten)', or, more simply, meaning is more than a series of words. The disorganization by brain disease leads to disorders of syntax and grammar. It is here that we come to the main problem of aphasiology in that different writers use different terms for rather similar difficulties. Thus Pick's pseudo-agrammatism is similar to Head's syntactical aphasia or even Broadbent's jargon aphasia. A glossary of aphasiological terms and their equivalents from various authors would help the student.

At times Pick is arguing from inadequate knowledge of the extent of frontal or temporal lobe lesions and is too dogmatic as when, for example, he states, 'in general it is chiefly the circulate fasciculus that is anatomically involved in repetition'. There are some interesting comments on 'poorly explained cases' in which in spite of right-handedness right-sided lesions have been followed by aphasic defects. Pick contributed much to the description of repetitive disturbances, like echographia, including his explanation that, since writing is an imitative process, after destruction of higher centres concerned with volitional writing, automatic copying may emerge. His contribution to apraxia, now out of favour, and to the systemic study of body image disorders, which he called autotopagnosia, also make fascinating reading.

Though his writings are not easy to read, they are a rewarding experience which increases respect for our neurological 'ancestors'.

ROGER BANNISTER


Nearly one third of this volume's 772 pages consists of literature references and index. These alone would make the book valuable for research workers, for the references are exhaustive.

The text is a well-documented one referring in part one to spinal tumours and abnormalities which emanate from the vertebral column and compress the spinal cord; part two, a much smaller one, deals
with the anatomy and pathology of vascular lesions of the spinal cord. In these latter conditions there is still much room for further research and clinical observation coupled with post-mortem findings.

The authors are both experienced in the clinical, operative and pathological aspects of their contributions and this expertise is valuable not only for the research worker, but also for the practising neurological surgeon, who may want to confirm or discard a clinical diagnosis. It is hardly a book for students.

The radiological illustrations are very good as are the schematic illustrations in part two concerning the blood supply of the cord. More coloured illustrations of operative procedures and of appearances found at operations in part one would have added to the undoubted importance of the volume.

J. SCHORSTEIN


This small book contains three lectures delivered as the Riddell Memorial Lectures of 1971. They are concerned with bringing together the common aspects of the counselling professions—medicine (psychiatry), the church, the social services (social workers, child care officers and probation officers) and education. Counselling has been most influenced by Freudian psychology, but the author's aim is to indicate the religious component of counselling, including the symbolism of rebirth and redemption. His discussion of religion is limited to the Christian viewpoint and he refers to the psychological meaning of biblical utterances, and the growth of counselling in western Christian countries.

The medical reader will find much to interest him in the discussion of his profession's relationship with the newly emerging movement of counselling. He will read how limited is his conventional approach to the understanding of human problems when they are fitted into the mould of various pathological processes, even when recourse is made to psychosomatic concepts. He will come across the provocative statement that, in future years, the counselling professions may come to control the medical man, relegated to the position of a superior somatic technician. Even his therapeutic advances in the field of psychopharmacology may come to be seen as inimical to psychological healing, and the total renunciation of psychoactive drugs may be recommended as a step towards greater psychological maturity in all. However, there is also the observation that the recruits to the social services are encountering emotional difficulties when confronted with questions of responsibility for the life and death of patients, a burden which the medical man has carried for long, supported as he is by an ancient professional code.

A reviewer may be forgiven for reacting irritably to the use of the term 'clients' by social workers when referring to patients. This choice represents an attempt to avoid the connotation of bodily disease in persons who seek their help. It is also the term given to patients receiving a form of psychotherapy devised by Carl Rogers in the United States. The objection to the word 'client' is that it conjures up the vision of the patient as a customer, the initiator of a financial transaction, or even, in another setting, the purchaser of lubricious favours. The word 'patient' is surely preferable, conveying as it does something of the suffering which elicits our concern.

There is much in Professor Pond's scholarly work that is thought-provoking. It should be read by the clinician who has become aware that patients are seldom totally passive recipients of specific cures that illness may serve a social role, and that there is often a profoundly important interaction between the doctor and his patient.

G. F. M. RUSSELL


Welchler's classic work is a standard reference and needs no review. This notice is to draw attention to the 5th enlarged edition, now under the name of a new author, as it has new material and conclusions of his own on the professional and ethical responsibilities of the psychologist as a practitioner.

J. A. SIMPSON

NOTICE

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