Book reviews

GROWTH AND MATURATION OF THE BRAIN Progress in
Brain Research, Vol. 4. Edited by D. P. Purpura and
J. P. Schadé. (Pp. 289, illustrated. 80s.) Amsterdam,
1964.

Fourth in the series, 'Progress in Brain Research', this
volume embodies contributions of a symposium on brain
development held in Amsterdam in 1962. The research
efforts of many countries are represented and each article
gives signs of careful preparation, no doubt related to a
high standard of editorial control. Experimental studies
relevant to a variety of levels of organization, from the
molecular to the multicellular, are formally presented,
without dilution by those pointless reports of general
discussion that mar the pages of many current symposia.

The book is clearly illustrated and impeccably pro-
duced.

M. KINSBOURNE

CLINICAL NEUROLOGY By Frank A. Elliott. (Pp. xix +
688; 171 figures. 87s. 6d.) Philadelphia & London:
W. B. Saunders Company. 1964.

New textbooks are essential every few years to keep the
subject alive. New editions are not enough: they tend
inevitably to carry a certain inflexibility with them.

This book is a bold venture for one author. It attempts
to cover the whole of neurology, including organic
cephalically conditioned mental disease, much of cerebral
tumour material that is now neurosurgical, and a section
on diseases of muscle which are by tradition regarded as
neurological.

Although there is a welcome section on pain there is
unfortunately no real consideration of intractable pain,
which the neurologist meets constantly, if only with the
patient en route to the psychiatrist. It is a pity also that
migraine has been placed here, since this does not allow
adequate consideration of the size and our fairly full
knowledge of this problem. Sections on treatment take
second place to diagnosis and pathogenesis, but where
therapy is discussed it is generally up to date.

Much dead wood of 19th-century neurology has been
pruned in this book and it is a useful introduction for
student and resident. The omission of the usually inade-
quately sections on psychoneurosis and such special-
ized procedures as electroencephalograms and electro-
myograms, apart from the essential mention of them
in diagnosis, is to be welcomed. Care has been taken
over the references which are practical and up to date.

M. KINSBOURNE

APHASIA IN ADULTS Diagnosis, Prognosis and Treat-
ment By H. Schuell, J. J. Jenkins, and E. Jimenez-
Row. 1964.

Students of aphasia should not be distracted by the sub-
title of this book which suggests an over-emphasis on
therapy. The main and important contribution is pro-
vided by the close association of a speech pathologist,
an experimental psychologist, and a clinical neurologist
who are obviously intensely absorbed in the mechanisms
concerned with speech in both health and disease.

The authors see five major trends in research in aphasia.
First, the further study of aphasic responses; second,
exploration of neurophysiological concomitants; third,
the measurement and analysis of the free speech of
aphasics; fourth, a study of aphasic language in terms of
modern structural linguistics; and finally in the direction
of statistical and mathematical treatment of data ob-
tained from objective tests and free speech situations.

These aims provide the background for the observations
and discussions reported here and they will be widely
read with interest and advantage.

W. RITCHIE RUSSELL

HORIZONS IN NEUROLOGICAL EDUCATION AND RESEARCH.
Under the sponsorship of Barrow Neurological
Institute. (Pp. xii + 203; 70 figures. $10.00.) Spring-

This is a useful small book in emphasizing the wider
horizons of the neurological sciences. Some of the con-
tributors derive a good deal from Harvey Cushing,
who derived much from Halsted who, in turn, was
indebted to Biloith and thus ultimately to the Wissens-
chaft movement in 19th-century Europe. The movement
received its impetus, despite its name, as much from
France as from Germany. It is entirely appropriate that
a work concerned with the horizons of neurological educa-
tion should have this background. It will be of occasional
value and interest to the student of neurological science
and biography.
Book reviews

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