tinental glaciation, nor is there a correlation of continental glaciations in central and eastern North America. By contrast, the proposed correlations between various areas in Europe and between Europe and North America are quite detailed.

This book deserves, and doubtless will receive, widespread use as an introductory text. Students and professional geologists alike will appreciate Flint's efforts in compiling and succinctly summarizing useful information on nearly every facet of Pleistocene geology. Some readers may feel that the discussions of many subjects are entirely too brief. The fact is, however, that Pleistocene geology has grown so much that anything approaching an exhaustive treatment of the subject would no longer fit between the covers of a single volume.

JOHN P. MILLER

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Functional Neuro-Anatomy. Including an atlas of the brain stem. A. R. Buchanan. Lea & Febiger, Philadelphia, ed. 3, 1957. 362 pp. Illus. \$7.50.

This relatively small volume (259 pages of text and text figures) follows previous editions in attempting to present neuroanatomy in terms of functional systems rather than of anatomical levels. Ascending pathways in the spinal cord and brain stem, the special senses and their pathways, the cerebral cortex, voluntary motor pathways, the cerebellum, the basal ganglia, and the hypothalamus are discussed in that order; general introductory and closing chapters on such subjects as functional components of nerves and the blood supply of the central nervous system complete the text.

The book is simply and clearly written, with functional and anatomical aspects nicely interwoven, and is spiced by allusion to clinical conditions and practical applications. Appropriate references to the literature are included. The text figures, almost entirely line drawings, are likewise kept simple, to illustrate particular points rather than the over-all anatomy; they include many diagrams of conduction pathways. As one can expect in a third edition, slips of the tongue and typographical errors are at a minimum. The atlas consists of photographs of sections of one half of the brain stem with the other half shown in line drawing, and labeled; the location and direction of the section are shown on an accompanying diagram.

This is a book written specifically for an introductory course in neuroanatomy, and therefore it does not contain the detail that some teachers may demand in a text on this subject. I feel that the thalamus is somewhat slighted but regard the book as being otherwise well balanced. The student who uses this text should emerge with a clear understanding of the fundamentals of the structure and function of the central nervous system, and for this very basic reason it deserves the consideration of teachers in this field.

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Surgeons All. Harvey Graham. Philosophical Library, New York, ed. 2, 1957. 459 pp. Illus. \$10.

Harvey Graham is the pseudonym of a well-known London physician and editor of medical publications, Isaac Harvey Flack. Another physician, the distinguished writer and poet Oliver St. John Gogarty, provides a foreword, in which he says, "This is the best book on surgery I have ever read. I agree with every word of it except the reasons for the removal of the Amazon's right breast." However, what sort of book it is, the reader might have difficulty in determining from the author's introductory matter, in which he expresses by implication surely the most extraordinary notions of the nature of historiography in his contention that "This is a story book: a story of surgery itself. . . . It is not a history book for it has not a solitary footnote and only the most meagre reference to original works," and "it was never intended for the Olympian few who read and enjoy such things.'

Whether the presence of an apparatus scholastici or the direction of a work to the residents of Mount Olympus makes a history is immaterial; the fact remains that this work is a history of surgery in popular vein. Consequently, it must be judged by the standards of historical writing. However, I recognize that the point of view of the author is highly personalized, and so I am tempted to accept Graham's designation of the work as a "story" in the modern meaning given by the Shorter Oxford English Dictionary ("A narrative of real or, more usu., fictitious events, designed for the entertainment of the hearer or reader"), for the work is well and entertainingly written. Certainly the popular audience for whom it was intended will enjoy the general treatment of the subject, but as a history it is totally unreliable. It suffers, like all such works based almost exclusively upon secondary sources, in that the expressed opinions are based on information obtained at second or third hand, and, further, it tends to repeat the countless errors of detail derived unwittingly from the sources. Upon such foundations are built hagiology and mythology, not history. Dozens of errors of detail are observable, often minor but, in the mass, important. For example, the statement that Fallopius was a pupil of Vesalius is quite incorrect (incidentally on Fallopius' own testimony); this is a minor error, but the implications are important. Likewise, the observation, in reference to William Harvey (page 175), that "England knew nothing of many of the Italian anatomists, and thought but little of those few it had heard of," is absurd, as can easily be shown by reference to the contemporary English literature, and so denies the important influence which the Italian schools, especially Padua and Bologna, had on English de-

Further, the author is often not well informed. For example, his account of Egyptian medicine is very misleading, since he depends in part on Bryan's translation from the German of Joachim's translation of *Papyrus Ebers*. Now Joachim's translation was made in 1890, as Ebbell has pointed out, at a stage in the development of Egyptology when this was far too risky an enterprise.

But a more serious criticism is the propriety of issuing a work which was published in the United States 18 years ago (as *The Story of Surgery*) without correction. The many errors pointed out by critics of the first edition remain uncorrected, save for a few mentioned in the secondary preface. The only new addition is a postscript which brings the work up to date by an assessment of the period 1939–1956. The author excuses himself on the grounds that, because the plates survived the bombing of London, the work could be reissued, without correction, at a modest price.

Nonetheless, the volume is a fascinating one, for it deals with a fascinating subject.

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The Development & Meaning of Eddington's 'Fundamental Theory'. Including a compilation from Eddington's unpublished manuscripts. Noel B. Slater. Cambridge University Press, Cambridge, 1957. xii + 299 pp. \$7.50.

Eddington's posthumous work, Fundamental Theory, edited by the late Edmund T. Whittaker, appeared in 1953, nine years after the death of its author. The present work is apparently intended to serve a twofold purpose. To those readers who have attempted to read the original Fundamental Theory itself and have not succeeded, it presents a summary and an explanation of Eddington's ideas; it also throws additional light on