(Hermann: Paris, 1974.) Fr. 178.00.

languages have been all but displaced by the new lingua franca. Very recently a discovery in a French laboratory was given wide publicity in the press, and Le Monde thought it worth remarking, in a tone of apparent asperity, that the work was being published in the American journal Proceedings of the French.

French (and no doubt other European) two editors. scientists in recent years. If English is Hermann, which has followed its admir- mately accessible to English readers. able series of silver paperback monographs with a substantial new text, edited by Chapeville and Clauser and Geologie de la France. Vols 1 and 2. II authors.

The publisher has secured a dis- 1974.) Fr75.00 each. sical rather than the topical.

author treatises; in particular one tic introduction to the geology of

Biochimie. Edited by François Chape- misses the unifying thread that a single France". This is not a treatise, but ville and Hubert Clauser. Pp. 872. author can at best impose by his view more a manual of regional geology for of the subject. There are also places in the use of students, which excludes which the fields of interest do not inter- numerous discussions and hypotheses, THE appearance of a comprehensive lock. For example, there is no mention and long bibliographical lists. new textbook of biochemistry in of muscular contraction, chromatin, French may well be met by English- or nervous conduction, and the word volumes. In the first, after a general speaking biochemists with an equan-rhodopsin is not in the index. But introduction to the geology of France, imity verging ever on indifference. For these lacunae are almost universal the reader will find a description of the all that, it is an event of no little note, in the standard text-books in English, "Ancient massifs" - the Ardennes, for creeping Americanisation has been and I do not wish to cavil with what Vosges, threatening increasingly the character strikes me as a notable achievement. Massif Central-and a study of the and individuality of European science. All of the authors have long teaching vast sedimentary basins—the Paris

French versions

National Academy of Science of the generations of undergraduates and U.S.A. (rather, by implication, than in graduate students (myself included) the corresponding French organ), and in have sat at the feet of most of them. First, the work has achieved part of its They seem to me to have fulfilled their That this comment should ring tasks admirably. And though it would so quaintly, shows how completely the be invidious to draw comparisons my realities of the situation, unpalatable personal choice for style and stimulus as they may be, have been accepted by would be the chapters written by the

The book is attractively laid out in the currency of research, however, it the modern style, with elegant typeface venient to have, assembled in one must nonetheless not be allowed to and attractive diagrams in pastel shades, become the exclusive language of which I hope will now generally supscience. If French science is to pre-plant the rather stately and oppressive serve its own distinctive flavour and format, too often characteristic of personality, matured through centuries scholarly works in European languages. of tradition and evolution, the lan- I do not doubt that it will benefit guage must be kept alive in the science French undergraduates, medical studfaculties and textbooks. That in itself ents and research workers for many Certainly the reader is made aware seems to me good reason to be years to come, and one may hope that of this in the preface; but is it grateful to the publishing house of translation may also render it ulti-

Anne d'Albis

295-539, vol. 2. (Doin Editeurs: Paris,

tinguished line-up of contributors, who This book is a series of articles written have provided a well-balanced cover- by various specialists, each of them analysis of seismology (which could age. The book deals with bioenergetics, working on one of the natural geo- have introduced a chapter on neotecreaction mechanisms, proteins and logical regions of France. In the preamino acids, enzymes and catalysis, face, Jacques Debelmas, who dealt with structure and metabolism of the sac- the coordination of the various articles, though essential to all structural charides, lipids and steroids, nucleo- states the ambitions and limitations of studies, are missing. Finally, the presentides and nucleic acids, intermediary his undertaking: "... the problem is tation of the deep structural levels of metabolism, oxidation, phosphoryla- not only to give a perspective of the "Ancient massifs" does not pay tion, photosynthesis, biosynthesis of the stratigraphy, and the tectonics of enough attention to the recent results metabolites, and the chemistry of the various regions, . . . but to link of microtectonics, the study of metaheredity. The treatment throughout is both, so that it is possible to recognise authoritative and clear. Some of the a structural evolution through a sucauthors lean to a conservative view of cession of features and, on the other what constitutes the established canon, hand, to use this evolution when it is book; but perhaps it will give students and tend, therefore, to stress the clas- known, for a better understanding of too incomplete a picture of the geology these features through time and space of France; and it may give foreign The book is altogether not free from . . .". There is another requirement, readers a false impression of French the inevitable drawbacks of multi-conciseness: "... it is a mainly didac- research in the earth sciences.

The book is divided into two Armorican Massif In most areas of research the European experience behind them, and many Basin and the Aquitaine Basin-in which the pre-Mesozoic structure is depressed although the secondary and tertiary layers are only slightly deformed. In the second volume, there is a description of the folded ranges of the Alpine cycle: the Pyrenees, Provence, the Franco-Italian Alps, Jura, Corsica, Burgundy and the Rhone valley and Languedoc.

One is left with two impressions. aims: because of its legibility, many illustrations, logical presentation, and also because of the care of the authors to reach the quintessence of their subjects, the book is both easy to read and interesting, and its success among students is assured. It is very conbook, records of the large number of geological studies made in France since the last century.

The second impression which remained was of the disappointing lacunae within the book. All discussion of plate tectonics is set aside. really defensible to omit a subject which has revolutionised earth sciences in the last few years? In addition, surface geology, easily observable, is highlighted at the expense of depth geocomprising separate contributions from By J. Debelmas. Pp. 1-294, vol. 1; logy, which demands the indirect methods of geophysics; for example, no information is given on the thickness or structure of the crust. An tonics), and of the interpretation of magnetic and gravimetric morphism (facies and facies series) and geochemistry of magmatic rocks.

This is an instructive and attractive

G. Boillot and R. Capdevila