

speaker horns. At the end are a number of appendixes dealing with some of the items of mathematical interest noted in the text but not elaborated upon there, and a short list of transforms.

The particular transform employed in this work is the  $p$ -multiplied Laplace transform. It is largely a matter of personal taste whether the Laplace transform be used in its original form or with the additional  $p$  multiplier; but it is a pleasure to note that the author tags his choice of the  $p$ -multiplied transform with an explicit label. Accordingly, there can be no misunderstanding as to which transform is being used. He is also to be congratulated upon his use of it throughout for the imaginary unit, despite its avoidance by most electrical engineers of the present day.

McLachlan's book contains an excellent bibliography (273 items) and an unusually serviceable index. It seems to be very well printed, with the possible exception of some of the figures, where certain of the lines appear much too heavy for the size of the cut.

This second edition appears to be a marked improvement upon the earlier work. It is a noteworthy book in its field.

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***The Coalfields of Great Britain.*** Arthur Trueman, Ed. Edward Arnold, London; St. Martin's Press, New York, 1954. xi+396 pp. Illus.+plates. \$15.

This book is the first review of the state of knowledge in this subject since the 1927 revision of Walcot Gibson's *Coal in Great Britain*. Here is a condensed and elementary summary of the geologic theories and mechanisms of the laying down of coal beds and a series of chapters describing the history, present condition, and future prospects for the 11 major coal fields of England, Scotland, and Wales.

The editor is author of the first four chapters elucidating the present theories of the origin of coal, with special emphasis on fossils and geologic characteristics of the different seams that make it possible to correlate their occurrence and properties not only in Great Britain but across the English Channel as well.

The balance of the book consists of 11 chapters on the major fields, authored by nine geologists of universities and the Geological Survey. In a standardized systematic outline, they describe for each field the general historical background, the sequence of sedimentary rocks, and detailed characteristics and sequences of the major coal seams. Each chapter concludes with a brief estimate of the existing reserves and the future potential production. These condensed reviews are for reference and not for reading.

This book will be of particular interest to students and to industrial management who need a condensed and general review. It is a reference book for those who want to make a start in the study of a particular coal field. Those who need more detailed information will find the selected references of great value.

The coal industry of the United States, even though it is much younger, is already plagued by many of the troubles that stand out in this book. Records of workings are nonexistent or incomplete, and the correlation of mining and drilling information is not sufficient to allow accurate estimates of the quantity and quality of coal that can be recovered economically in the future. Today there are rapid developments in mineral exploration techniques, in mechanized mining, in coal cleaning, in coal utilization, and in the economics of competitive fuels. The interdependence of these factors makes even short-range planning difficult. This book makes its contribution in bringing together the scattered and incomplete knowledge in the sphere of the geologist and the mining engineer. Immense amounts of work remain to be done before the British (and we) know where and how much coal there is, and how it can be mined.

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***Endokrinologische Psychiatrie.*** M. Bleuler. Georg Thieme, Stuttgart, 1954. xi+498 pp. Dm 46.50. (U.S. distrib., Intercontinental Medical Book, New York).

M. Bleuler explains (i) the description of psychic specific maladies in cases of endocrinological anomalies, (ii) the teaching of the interrelationship of endocrine and psychic conditions as they coexist in the same individual, or if they influence one another, and (iii) the teaching of and in what ways personality disturbances can be influenced by endocrinological means. He emphasizes the importance of the knowledge of endocrine *psychology*. Up to now the research has been based on pathologic conditions with the result of multa rather than multum. The endocrinologist should make his studies in the clinic of psychiatric patients and the psychiatrist in the workshop of the endocrinologist.

Bleuler's work consists of 380 original text pages, 117 pages of bibliography with 2717 references. Bleuler was guest scholar in the Endocrinological Clinic of the New York Hospital and the Payne-Whitney Psychiatric Clinic to observe the intimate cooperation between psychiatrists with specialists of other medical services. His statements are based on clinical experience, and it is surprising that he very often avoided projection techniques such as the Rorschach, thematic apperception test, Bernreuter test, Szondi, and others. I do not agree with disregarding a battery of tests. I agree with him in using them only as the basis for psychological examination and judgment.

The book is divided into two parts: psychopathology of the endocrine maladies and endocrinology of psychopathology. Bleuler draws the following conclusions: (i) Many schizophrenics are endocrinologically healthy. There is no uniform endocrine pathology for all schizophrenic diseases. (ii) The several endocrine disturbances are generally not accompanied by schizo-