

make it a full laboratory text book. It will, however, be of considerable use to every chemist in a leather works, and also to students, although the latter will not be able to use this volume except in conjunction with larger works giving alternative methods.

Mr. Harvey is a clear writer, and describes each process in simple and clear language. The addition of blank pages bound between each chapter for notes will be found useful. There are not many illustrations, but those which are supplied are excellent and simply prepared.

When the author comes to revise this volume for a second edition it will be well for him to consider whether he should not cut out the unnecessary examples of calculations and so make it into a pocket book or, on the other hand, the volume could be enlarged with advantage, thus bringing it up to the standard of an analytical text book, for which, at the present time, there is a distinct want.

The book is well printed and well got up, and is quite equal to this well-known publisher's usual standard.

J. GORDON PARKER.

**COMMERCIAL OILS: VEGETABLE AND ANIMAL.** With special reference to Oriental Oils. By I. F. LAUCKS. Pp. 138. (New York: John Wiley and Sons, Inc. London: Chapman and Hall, Ltd., 1919.) Price 6s. net.

The primary object of this little book is to give those connected with the oil trade a description of the nature of oils, their uses, and the methods used in their examination, with sufficient details to enable a non-technical reader to understand the meaning of an analysis. On the whole the author has succeeded in this object, although in some places the explanations of technical points have been omitted. For example, on p. 34 mention is made of the "yield of hexabromides," but no description is given of the meaning of the term. Incidentally it may be mentioned that the application of the term to glycerides is misleading. The insoluble bromides separated from certain oils are probably the bromides of mixed glycerides and are certainly not linolenic hexabromide. Another omission to be noted is in connexion with rancidity. It is a matter of great importance to check the action of enzymes prior to expression of oils, and the meaning of enzymic action might therefore have been dealt with in a non-technical manner.

The value of this book for English chemists is that it includes in a form convenient for reference the tests and specifications drawn up for different oils by the United States Army, the Chicago Board of Trade and various commercial associations. There is also a useful chapter on the methods of sampling oils. The constants of Oriental oils typical of those now being imported into the United States were determined in the author's laboratory and are given here in tabular form. These differ very considerably from recorded values for the same kinds of oils of different origin, and it is cogently suggested that new standards should be fixed for these oils. In the short tables in the text the usual upper and lower limits for the values of oils are given, and exceptional values are excluded.

C. A. MITCHELL.

## PUBLICATIONS RECEIVED

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**QUALITATIVE ANALYSIS.** By F. CLOWES and J. B. COLEMAN. Ninth edition, with 84 illustrations. Pp. xvi.+400. (London: Messrs. J. and A. Churchill, 1920.) Price 12s. 6d.

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**REPORT ON THE PRESENT STATE OF KNOWLEDGE CONCERNING ACCESSORY FOOD FACTORS (VITAMINES).** Compiled by a Committee appointed jointly by the Lister Institute and Medical Research Committee, National Health Insurance, Medical Research Committee. Special Report Series, No. 38. (London: H.M. Stationery Office, 1919.) Price 4s.

**THE MANUFACTURE OF GLUE IN THE TROPICS FROM TANNERY REFUSE.** By KALYAN C. SRINIVASAN. Pp. 24. Indian Department of Industries. (Madras: Government Press, 1919.)

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**SUBJECT LIST OF WORKS ON THE TEXTILE INDUSTRIES AND WEARING APPAREL, INCLUDING THE CULTURE AND CHEMICAL TECHNOLOGY OF THE TEXTILE FIBRES IN THE LIBRARY OF THE PATENT OFFICE.** Patent Office Library: Subject Lists. New Series. C020-CZ. Pp. 329. (London: H.M. Stationery Office, 1919.) Price 2s. net.

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**Corrigendum.** In the issue for December 31, 1919, p. 486 R, col. 1, line 39-40, read "indigotin."