

is so common in statements of water analysis, for the figure has neither practical nor theoretical value, but it is an open question whether the residue dried at a moderate temperature will not in many cases be a safer guide. The figure for the fixed solids is stated as "salinity," a word that may be not wholly satisfactory, as it seems to suggest the content of chlorides. Doctor Clarke's method of presenting the data of water analysis has the advantage of enabling quick and convenient comparison of waters of the same type and showing vividly the contrast between waters of different types.

It will be probably a long while before the commercial analyst will be able to make a statement of water analysis on the basis of the unassociated ions, for his clients always want a presentation that will show some of the specific actions of the sample. Even many scientific workers hesitate to set down Fe^{+++} or SiO_3 .

HENRY LEFFMANN.

AIDS IN THE COMMERCIAL ANALYSIS OF OILS, FATS AND THEIR COMMERCIAL PRODUCTS. By George Fenwick Pickering. viii—129 pages and index. 8vo. Philadelphia, J. B. Lippincott Company, 1917.

Not much new matter can be expected in a book of this size on a topic which has been so extensively exploited as that of the fats and oils, for the existing literature is immense. The work contains a great deal of information compactly presented, especially in tabular form. The methods chosen are mostly so-called "works methods," and do not claim such a degree of accuracy as is found in many departments of inorganic analysis. The author states that all the figures given are published for the first time. Mr. Pickering's position as a research assistant to the late Doctor Lewkowitsch is a guarantee that he has had large experience in careful work and is familiar with the field to which the book is devoted. The nomenclature is mostly conservatively English, and the determination of the volatile acids is given only by the alcohol-potassium hydroxide method, no mention being made of the glycerol-soda procedure, which is now official in France, Germany and several other leading European nations.

HENRY LEFFMANN.

THE PHOTOGRAPHIC RESEARCHES OF FERDINAND HURTER AND VERO C. DRIFFIELD, being a reprint of their published papers, together with a review of their earlier work and a bibliography of their later work. Edited by W. B. Ferguson, K.C., M.A. (Oxon.), F.I.C. Hon. F.R.P.S. Small folio, 366 pages, indexes, and numerous illustrations. London, The Royal Photographic Society of Great Britain, 1920.

The names of Hurter and Driffield are familiar to all photographers, and the Royal Photographic Society has done them just honor by thus presenting in full many of their papers and furnishing a bibliography for the rest. The apparatus and manuscripts are now in the custody of that society. A list of these is given, and shows a very large and varied collection.

Frederick Hurter was born in 1844 at Schaffhausen in Switzerland, and after studies at Zurich went to Heidelberg, where he studied under

Bunsen, Kirchoff and Helmholtz, and in 1866 he took the degree of Ph.D. "Summa cum laude." He spent the last thirty-one years of his life in England, for which he had a definite preference. He began his work there as an assistant to Mr. Deacon in the alkali works of Gaskell, Deacon & Co.

Vero C. Driffield was born in Lancashire. He was early interested in photography, but also entered into the service of Gaskell, Deacon & Co., as an engineer, and there met Doctor Hurter. It was, however, a mutual passion for music that led to the intimacy.

The book contains many data of great interest to photographers. Among the most comprehensive of the contributions is that published in 1898 on "The Latent Image and Its Development," a joint contribution.

The book is excellently printed and will furnish much attractive reading to all interested in photochemistry.

HENRY LEFFMANN.

UTILISATION DES ALGUES MARINES. Par Camille Sauvageau. Professor in the Faculty of Science, Bordeaux. 12mo., 356 pages, bibliography, contents, indexes and 26 illustrations. Paris, Gaston Doin. 9 francs.

This work is one of a series designated "Encyclopédie Scientifique," which has a wide scope, a list of forty volumes being appended to the present publication. Its form is very pleasing, being printed on good paper with clear type, of a more agreeable face than that often used in French books. The coastal districts of Brittany and Normandy and some adjacent islands owe a good deal of prosperity to the marine algæ, which are used as fertilizers. In former years, the material was burned and sodium salts extracted; later potassium and iodine were the principal yields. During the late war proposals were made for the use of these plants as fodder, and even as human food, and the French Government through one of its bureaus requested M. Sauvageau to investigate the subject. His results, supplemented by his wide information on the botany and biology of the algæ, are embodied in the book. A great deal of information is contained in it, among which are to be noted the government regulations for the harvesting of the more important species, descriptions of the American methods of gathering, data regarding the composition and the uses that have been made as food for men and domestic animals. The illustrations are neatly drawn and the book will be useful to the cryptogamist, biologist and economist.

HENRY LEFFMANN.

NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS. Report No. 50. Calculation for low pressure indicator diagrams. Preprint from Fourth Annual Report. 13 pages, diagrams, quarto. Washington, Government Printing Office. 1920.

This report contains a theoretical study of the pressure variations in an internal combustion engine cylinder during the low pressure part of the cycle. It is assumed that the rate of flow of air and burnt gas through the inlet and exhaust valves, respectively, may be calculated from the manifold pressures, the cylinder pressure, and the valve clear openings

6. Notice of proceedings under Act. 7. Amendment of Human Rights Commission Act 2000. 8. Expenses. (b) The period referred to in paragraph (a) may be extended by order made by the Court if it considers it appropriate to do so in the interests of justice. 4. Judicial notice shall be taken of the Convention provisions and Interpretation of. Convention provisions. The Good dog book, about Rab, Patrasche, Stickeen, Scally, Barry, and other dogs, Mar 5, 2020 03/20. Mar 5, 2020. favorite 1. comment 0. [6], 186 p. ; 20 cm. The Library of Congress. 293 293. The locked book, Feb 27, 2020 02/20. Feb 27, 2020 by Packard, Frank L. (Frank Lucius), 1877-1942. Feb 27, 2020 by May, Emmet Claire, 1875- [from old catalog]. texts. eye 253. It might make sense for collaborative realtime editing of a project, though rather use Git then. But it's cumbersome to setup when playing on a throwaway file. The nail in the coffin is of course having to go through a third-party. Speed is alright, but slower than tmux and xhost. Also, the setup is a bit more involved, and the package is in dire need of maintenance. [2015-10-21 mer.] Explanations. In web apps, I find it would be useful to be able to ask why a value is 0, or NaN.