

the reviser expresses regret that the department of analysis is still in an unsatisfactory state.

The reviser's practical experience with color work ensures the trustworthiness of the section on colors. A glance at the index shows the great number of those now known. Rational formulæ are usually given. A short chapter on the chemical character of writing inks will be found interesting and valuable. We regret that Dr. Matthews has adopted the plan of giving journal references by the volume instead of by the year. The latter method seems more simple and direct. The index is extensive and creditable. H. L.

Machinists' and Draughtsmen's Hand-Book. By Peder Lobben, Mechanical Engineer, etc. New York: D. Van Nostrand Co. 1900. 8vo, pp. 438. (Price, \$2.50.)

The author has designed this book to serve the needs of the great body of working mechanics and draughtsmen. It contains a large collection of tables, rules and formulæ covering a great variety of subjects. Many examples are given explaining the application of the rules and formulæ. It should prove useful to the class for which it is intended, not only as a handy reference book, but also as a text-book, from the study of which the reader may familiarize himself with the principles of elementary mathematics and mechanics. W.

Franklin Institute.

[*Proceedings of the stated meeting held Wednesday, February 20, 1901.*]

HALL OF THE FRANKLIN INSTITUTE,
PHILADELPHIA, February 20, 1901.

MR. A. E. OUTERBRIDGE, JR., in the chair.

Present, 107 members and visitors.

Additions to membership since last report, 32.

Prof. M. I. Pupin, of Columbia University, New York, presented an address on "Electrical Wave Propagation," elucidating the principles involved in the study of these phenomena, with special reference to their application in his recent inventions in the field of long-distance telephony. The speaker illustrated his address with the aid of mechanical devices, exhibiting various modifications of wave transmission.

The subject was freely discussed. The paper and discussion thereon have been reserved for publication.

A vote of thanks was given the speaker for the interesting and very lucid manner in which he had treated his theme.

Adjourned.

WM. H. WAHL, *Secretary.*