Lehrbuch der Funktionentheorie, by Dr. W. F. Osgood, Erster Band mit 158 Figuren, Zweite Auflage (Bd. XX: 1, B. G. Teubner's Sammlung von Lehrbüchern auf dem Gebiete der mathematischen Wissenschaften), B. G. Teubner, 1912, 8 vo., xii + 766 pp.

Osgood's Theory of Functions is a monument of American scholarship. Comparatively few mathematical works of broad, *comprehensive* character have as yet been written by Americans. While there is a superabundance of good or indifferent texts in English on elementary topics such as analytic geometry and elementary calculus, we lack a sufficiency on more advanced subjects. The appearance of a work such as this, realizing the highest standards for breadth and accuracy of scholarship, is an event. It is therefore to be soberly regretted that it has not been published in the English tongue. Written by a man of English name and of true American stock, it appears in the language of that country which needs it least. Yet while I voice a widely expressed regret that Osgood's treatise is not written in English, it must, on the other hand, be recognized that mathematics is international; further, that the inspiration and spirit of the work is in good part German.

Inasmuch as no previous review has appeared in the BULLETIN, the task of the reviewer should be a double one, not merely to consider the changes occurring in the new edition but also to survey the work as a whole, even though the characteristics and essential features are by this time well known to many readers. The attempt to do this, however, brings despair to the reviewer because of the many-sidedness of the work and its exceeding richness of content. It is amazing what a wealth of ideas and detail is packed into a single volume. The judiciousness of selection and thorough assimilation of material combine to make the work par excellence the most authoritative treatise upon the theory of analytic functions.

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