

tion and will be found a convenient book of reference by those who have to do with the manufacture and analysis of illuminating gas.

L. M. DENNIS.

GUIDE TO PREPARATION WORK IN INORGANIC CHEMISTRY. BY DR. BLOCHMANN; translated by JAS. LEWIS HOWE. Published by Washington and Lee University, Lexington, Virginia. Price, 60 cents.

The translation of Blochmann's "Anleitung zur Darstellung chemischer Präparate" by Professor James Lewis Howe places this excellent little book within reach of students who are unable to read it in the original. While the demand for an elementary text in inorganic preparations is perhaps not so great as it is abroad, inasmuch as many of our texts in general chemistry include considerable work of this nature, nevertheless, too much emphasis can not be placed upon the making of inorganic compounds in exactly the line followed by Blochmann; namely, determining the amount of pure substance which can be made from a given amount of raw material.

Most of the processes given are simple but important, and if faithfully followed out, will give the student a pretty clear idea of the common methods used in making of these simpler inorganic substances. In fact, it would seem that the book might be used to advantage by advanced students of general chemistry before they have had the work in analytical chemistry mentioned by the author.

Several of the first experiments are found in nearly all of our texts on general chemistry, the only difference being that the quantitative results emphasized here, are usually omitted in general chemistry. Among these preparations are hydrochloric acid, nitric acid, ammonia, sodium hydroxide, sodium nitrite, iron sulphate, disodium phosphate and the acids of phosphorus. Among the less common ones are urea, hydroxylamine, crystallized silicon, antimony trichloride and amidosulphonic acid.

While the text is scarcely large enough for a full course in inorganic preparations, it might be used in connection with a course in advanced chemistry with good results. Indeed it is to be hoped that the time will soon come when much of the advanced work in general chemistry will be along the line indicated in this little book.

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