

a steady growth in every department, which places it in the front rank of Southern institutions and equal, if not ahead, of many of the older colleges of the North. Under the administration of President Prather its work is steadily advancing and it is to be hoped that the Legislature of Texas will see the necessity of an enlarged and ample endowment.

ROBT. T. HILL.

BOOKS OF REFERENCE.

WE have received from Messrs. Lemcke & Buechner, New York, the tenth volume of the invaluable year-book of the learned world, 'Minerva,' which is now a volume of 1,235 pages. The frontispiece is an etching of Professor W. C. Röntgen, the other men of science selected for this purpose in previous volumes having been Pasteur, Kelvin, Schiaparelli and Nansen. The editor has been compelled to give up his plan of including in the work data of international congresses, which is regrettable, though the task of securing such information is doubtless difficult. As it is the work contains a vast mass of information—a rough calculation indicates that the names of about 32,000 scientific and learned men, connected with the world's institutions of learning, are included. The statistics of students given at the end show that the universities having an attendance of over a thousand students are distributed as follows: United States, 26; Germany and Austria, 24; Italy, 10; Great Britain and France, 8 each; Russia, 7; Spain, 4; Norway and Sweden, 3; Switzerland, Belgium and Canada, each 2; Denmark, Portugal, Egypt, Brazil, Chili, Philippines, New Zealand and Japan one each.

'WHO'S WHO' for 1901, published in London by the Blacks, and in New York by the Macmillans, is also a useful work of reference, giving as it does short biographies of the leading men and women of Great Britain and of a few Americans. All the leading British men of science are included, and it is interesting to note how many there are and what important work they have accomplished. It is impossible to discover by what principle or lack of principle the Americans have been selected. The provost of the University of Pennsylvania is

there, but not the president of Harvard University. Mr. Tesla is included, but not the two or three of our most eminent men of science who have been looked up. The editing of the book appears to be careful, but not perfect. Thus to take a somewhat trivial example, Francis Darwin is said to be the son of 'Charles Robert Darwin,' George Howard Darwin is said to be the son of 'the late Charles Robert Darwin (author of the 'Origin of Species,' etc.)' and Leonard Darwin is said to be the son of 'the celebrated Charles Darwin, Down, Kent.' The 12,000 biographies, more or less, which the volume contains are certainly most useful for reference. In this connection it may be stated that a new edition of the American 'Who's Who' is in preparation, and the editor Mr. John W. Leonard, care of A. N. Marquis & Co., Chicago, will be glad to secure corrections and additions to the last edition.

BOOKS RECEIVED.

- Practical Electro-chemistry.* BERTRAM BLOUNT. New York, The Macmillan Company; London, Archibald Constable & Company. 1901. Pp. xi + 374.
- Electricité et Optique.* H. POINCARÉ. Paris, Georges Carré and C. Naud. 1901. Pp. ii + 641.
- The Bird Book.* FANNIE HARDY ECKSTORM. Boston, D. C. Heath & Company. 1901. Pp. xii + 276. \$.60.
- Elevation and Stadia Tables.* ARTHUR P. DAVIS. New York, John Wiley & Sons; London, Chapman Hall, Limited. 1901. Pp. 43.
- Laboratory Instructions in Chemistry.* ERNEST A. CONGDON. Philadelphia, P. Blakiston's Son & Company. 1901. Pp. viii + 110.
- Studien über den Milchsaft und Schleimsaft der Pflanzen.* HANS MOLISCH. Jena, Gustav Fisher. 1901. Pp. viii + 111.
- Die Reizleitung und die reizleitenden Strukturen bei den Pflanzen.* B. NEMEC. Jena, Gustav Fisher. 1901. Pp. 153. Tafeln 111.
- Seventeenth Annual Report of the Bureau of American Ethnology.* J. W. POWELL. Washington, Government Printing Office. 1898. Part II. Pp. 752.

SCIENTIFIC JOURNALS AND ARTICLES.

THE *Botanical Gazette* for January, 1901, contains a second contribution by Professor C. S. Sargent, 'On New or Little Known North American Trees.' This special fascicle of descriptions