

CORRECTION OF NOTICE IN FEBRUARY NUMBER.

SIR,—With regard to your Review of Dr. Buchanan's Report on Connection of Soil, etc., with Phthisis, p. 80, please make the following correction :

The information for the Geological description of the Wealden Districts was in great part supplied by my colleague Mr. W. Topley, F.G.S., as stated in Report. W. WHITAKER.

P.S.—*The Map of Terling* relates to Dr. Thorne's Report, not to Dr. Buchanan's, and has no connection with Phthisis. W. W.

 MISCELLANEOUS.

RELATION BETWEEN PALLADIUM AND HYDROGEN.—A paper bearing the above title was read at the Meeting of the Royal Society, on the 15th of January, by Thomas Graham, F.R.S., Master of the Mint. After a brief reference to the facts that had induced chemists to consider hydrogen to be metallic, the author reminded the Royal Society of his previous researches on the absorption of hydrogen by palladium, which metal "occludes" 980 volumes of the gas. This absorption is accompanied by an actual expansion of the metal to a greater extent than if heated to redness. Thus, a wire of palladium 609·14 millimetres long was expanded by 9·77 millimetres, or 1·6 per cent. The density of the wire being known, it was easy to calculate the sp. gr. of the occluded hydrogen, the result arrived at being that the condensed gas was nearly double the density of water or 1·98. Mr. Graham, therefore, considers the hydrogen to be present as the metal Hydrogenium in alloy with the palladium, and this view was supported by the magnetic state of the alloy, its tensile strength and electric conductivity. In concluding his paper, Professor Graham paid a very high compliment to his Assistant Mr. W. Chandler Roberts, for his valuable co-operation.

AWARD OF THE WOLLASTON MEDAL AND DONATION FUND.—At the Anniversary Meeting of the GEOLOGICAL SOCIETY OF LONDON, February 19th, 1869, the President, PROF. T. H. HUXLEY, F.R.S., etc., announced that the Council had decided to award the Wollaston Gold Medal to HENRY CLIFTON SORBY, Esq., F.R.S., F.G.S., etc., for his researches in the structure of Rocks and Meteorites by Microscopic and Spectroscopic examination, and for his demonstration of the laws of Slaty Cleavage. The President further announced that the proceeds of the Wollaston Donation Fund had been awarded to WILLIAM CARRUTHERS, Esq., F.L.S., F.G.S., for his researches in Fossil Botany. As many of Mr. Carruthers' articles have appeared in the GEOLOGICAL MAGAZINE, its readers will have had the opportunity of appreciating the value of his admirable labours in this neglected field of palæontological inquiry.