NOTICE.

Mr. E. M. Langley will be glad if any reader of the Mathematical Gazette who is using, or has used, stereoscopic slides designed by him for illustrating Solid Geometry, will communicate with him at 48 Waterloo Road, Bedford.

YORKSHIRE BRANCH.

A meeting of the Branch was held on Saturday, 24th November, at University House, Leeds, Mr. W. F. Beard of Wakefield Grammar School presiding. The meeting expressed its very warm appreciation of the work of the Rev. A. V. Billen, the Secretary of the Branch, who was retiring under the "three years' rule" of the Branch. Mr. S. Lister of West Leeds High School was elected to succeed him. The Rev. A. V. Billen of Leeds Grammar School, Mr. S. H. Stelfox, H.M.I., Mr. J. H. Blacklock of Rotherham Grammar School, and Mr. R. W. Evans of Ilkley Grammar School were elected to replace the retiring members of the Executive Committee.

A very interesting address on "Mathematics in Education" was then given by Mr. W. P. Welpton of Leeds University. By tracing the growth of the subject as a tool or instrument for dealing with "things" collectively and individually, with space and time and with force and matter, he showed how the creative genius of mankind had evolved a body of ideas and principles which were the intellectual tools necessary for thinking accurately and acting effectively in the realms of things and of human activities. The practical or empirical side always preceded the abstract or theoretical side both as to content and language, and the necessity of following the same course in the teaching of the subject was exemplified by excellent illustrations and models. The aesthetic side came with power in using the tool and in the polishing and perfecting of it. An illuminating discussion followed.

Dr. S. Brodetsky afterwards related some interesting experiences connected with mathematical matters which he had gained during his recent journeyings in Central Europe.

217. The mathematical inquirer must learn to substitute for his own private and momentary use, abbreviations which could not be tolerated in the final expression of results.—De Morgan [Symbol] P.C.

De Morgan adds to each side of an equation, i.e. does not "change side, change sign."

218. A man cannot know modes of life as well in Minorca as in London; but he may study mathematics as well in Minorca.—Boswell, April 7, 1778.

219. When Johnson felt his fancy, or fancied he felt it, disordered, his constant recurrence was to the study of arithmetic.—Piozzi, Aene., Johnsonian Misc., Birkbeck Hill, i. p. 200.

220. The Asses' Bridge—Epigram, 1780:

"If this be rightly called the bridge of asses,
It's not the fool that sticks, but he that passes."

Aliter. "Although the asses' bridge was made for asses,
It's not the ass that sticks, but he that passes."