BELL'S MATHEMATICAL SERIES

FOR SCHOOLS AND COLLEGES."

General Editor: WILLIAM P. MILNE, M.A., D.Sc., Clifton College.

JUST PUBLISHED.

Arithmetic. By F. W. Dobbes, M.A., and H. K. Marsden, M.A., Assistant Masters at Eton College. Part I. Price 3s. Now Ready. Part II. in the Press.

OTHER RECENT VOLUMES.

Plane Trigonometry. By H. L. REED, M.A., Assistant Mathematical and Science Master, Westminster School. Crown 8vo. 3s. 6d.

"The variety of the questions which are taken from human life deserves high praise; it is only by long continued effort that they could have been collected."—Nature.

Numerical Examples in Physics. By H. Sydney Jones, M.A.; late Scholar of Christ's College, Cambridge; formerly Head Mathematical and Physics Master, University College School. Crown 8vo. 3s. 6d.

"A great advance on the ordinary book of its kind, and, considering the labour involved in its compilation, it is a marvel of cheapness."—Mathematical Gazette.

Statics. Part II. By R. C. FAWDRY, M.A., B.Sc., Head of the Military and Engineering Side, Clifton College. 2s. (Part I., 2s. 6d., already published.) Also Parts I. and II. in one volume, 4s.

"A thoroughly useful and practical little book which could hardly be improved on."—Educational Times.

Full List of the Series sent on application.

MODERN INSTRUMENTS AND METHODS OF CALCULATION: and of Books, Instruments, and Devices for facilitating Calculation. Edited by E. M. HORSBURGH, M.A., B.Sc., Lecturer in Technical Mathematics in the University of Edinburgh. Royal 8vo. With

numerous illustrations and diagrams. 6s. net.

This manual has been described by one of the most eminent experts in Computation as "the only authoritative treatise in existence on the art of calculation," and should be useful to the laboratory computer, the engineer, the astronomer, the statistician, and all who are interested in the art of

calculation.

"This valuable book. Seeing that the price asked for a large 8vo book of 343 pages, containing a very large number of excellent translations, is only six shillings, those who are interested should feel that the work is in effect a gift."—Prof. C. V Boys in Nature.

G. BELL & SONS, LTD., York House, Portugal St., LONDON, W.C.

THE MATHEMATICAL ASSOCIATION.

(An Association of Teachers and Students of Elementary Mathematics.)

"I hold every man a debtor to his profession, from the which as men of course do seek to receive countenance and profit, so ought they of duty to endeavour themselves by way of amends to be a help and an ornament thereunto."—BACON.

President (for 1915 and 1916): Professor A. N. WHITEHEAD, Sc.D., F.R.S.

Dice-Presidents :

Prof. G. H. BRYAN, Sc.D., F.R.S. A. Lodge, M.A. Prof. A.R. FORSYTH, Sc.D., LL.D., F.R.S. G. B. MATHEWS, M.A., F.R.S. A. W. SIDDONS, M.A. Sir George Greenhill, M.A., F.R.S. Prof. E. W. Hobson, Sc.D., F.R.S. Prof. H. H. TURNER, D.Sc., F.R.S. R. LEVETT, M.A.

Bjon. Treasurer:

F. W. HILL, M.A., City of London School, London, E.C.

Bjon. Secretaries :

C. Pendlebury, M.A., 39 Brandenburgh Road, Gunnersbury, London, W. Miss M. Punnett, B.A., The London Day Training College, Southampton Row, W.C.

> Hon. Secretary of the General Teaching Committee: P. Abbott, M.A., 5 West View, Highgate Hill, N.

Editor of The Mathematical Gazette:

W. J. GREENSTREET, M.A., The Woodlands, Burghfield Common, near Mortimer, Berks.

Bon. Librarian :

C. E. WILLIAMS, M.A., 15 Ranelagh Avenue, Barnes, S.W.

Other Members of the Council:

F. C. Boon, M.A. G. W PALMER, M.A. Miss E. Greene. W. E. PATERSON, M.A. W. M. Roberts, M.A. C. S. Jackson, M.A. F. S. MACAULAY, M.A., D.Sc. Miss H. M. Sheldon, M.A. Prof. T. P. Nunn, M.A., D.Sc. C. O. Tuckey, M.A.

THE MATHEMATICAL ASSOCIATION, which was founded in 1871, as the Association for the Improvement of Geometrical Teaching, aims not only at the promotion of its original object, but at bringing within its purview all branches of elementary mathematics.

Its purpose is to form a strong combination of all persons who are interested in promoting good methods of teaching mathematics. The Association has already been largely successful in this direction. It has become a recognised authority in its own department, and has exerted an important influence on methods of examination.

The Annual Meeting of the Association is held in January. Other Meetings are held when desired. At these Meetings papers on elementary mathematics are read and discussed.

Branches of the Association have been formed in London, Southampton, Bangor, and Sydney (New South Wales). Further information concerning these branches can be

Sydney (New South Wales). Further information concerning these branches can be obtained from the Honorary Secretaries of the Association.

"The Mathematical Gazette" (published by Messrs. G. Bell & Sons, Ltd.) is the organ of the Association. It is issued at least six times a year. The price per copy (to non-members) is 1s. 6d.; special numbers 2s. each. The Gazette contains—
(1) Articles, mainly on subjects within the scope of elementary mathematics;
(2) Notes, generally with reference to shorter and more elegant methods than those in current text books:

in current text-books;

(3) REVIEWS, written by men of eminence in the subject of which they treat. They deal with the more important English and Foreign publications, and their aim, where possible, is to dwell on the general development of the subject, as well as upon the part played therein by the book under notice;

(4) SHORT NOTICES of books not specially dealt with in the REVIEWS;

(5) QUERIES AND ANSWERS, on mathematical topics of a general character.

Intending members are requested to communicate with one of the Secretaries. The subscription to the Association is 10s, per annum, and is due on Jan. 1st. It includes the subscription to "The Mathematical Gazette."