

fessor A. MANNHEIM upon his retirement from the chair of geometry, which he has filled since 1864, and which he now relinquishes under the age limit. The reception, which was held in the large amphitheater of the school, was arranged by a representative committee and was attended by the minister of war and many prominent scientists and officials. Several addresses were made, M. E. Rouché and the minister of war being among the speakers. The former dwelt particularly upon M. Mannheim's contributions to science in his *Principes et développements de la géométrie cinématique*. The occasion was further marked by the presentation to M. Mannheim of a token of remembrance in the form of a bronze by Coutan.

PROFESSOR G. MITTAG-LEFFLER has recently been elected foreign associate of the Royal society of Naples and associate of the Royal academy of Belgium.

MR. T. J. I'A BROMWICH, fellow of St. John's College, Cambridge, has been appointed professor of mathematics in Queen's College, Galway, in succession to Professor A. C. DIXON, now professor of mathematics in Queen's College, Belfast.

MR. R. J. PARANJPYE, senior wrangler at Cambridge University three years ago, and recently fellow of St. John's College, has returned to his native country to accept a professorship at Fergusson College, Poona.

MR. FREDERICK PURSER has been elected to the chair of natural philosophy in Trinity College, Dublin, lately vacated by Dr. TARLETON.

SEVERAL scientific societies will unite in tendering a reception to Lord KELVIN at Columbia University on the evening of April 21.

DR. C. M. GULDBERG, professor of mathematics in the technical school at Christiania, Norway, died on January 14.

NEW PUBLICATIONS.

I. HIGHER MATHEMATICS.

BASS (E. W.). *Elements of differential calculus*. 2d edition revised. New York, Wiley, 1902. 12mo. 8 + 356 pp. Cloth.
\$4.00