

physical sciences, interpreting the phrase "physical sciences" in its largest sense. The prize will be awarded one year after the expiration of this interval. Neither resident nor non-resident national members of the Turin academy are eligible to the competition. No manuscripts will be received, nor will competing works be returned. The president of the academy is S. GIUSEPPE CARLE and S. A. NACGARI is secretary of the section of the physical sciences, mathematical and natural.

THE subject of Professor L. FUCHS's inaugural address as rector of the University of Berlin for the current year was "The reciprocal relations of pure science and technology."

LORD RAYLEIGH, professor of natural philosophy in the Royal Institution of Great Britain, received the Copley medal at the anniversary meeting of the London Royal Society this year for his investigations in mathematical and physical science.

MR. R. F. MUIRHEAD has been elected president of the Edinburgh mathematical society for the coming year.

DR. J. B. FAUGHT has been promoted from an instructorship to an assistant professorship at the University of Indiana.

DR. H. LIEBMANN has qualified as privat docent in mathematics at the University of Koenigsberg.

NEW PUBLICATIONS.

I. HIGHER MATHEMATICS.

ANDRÉEV (K. A.). *Elementary course in analytic geometry*. 2nd edition. (Russian.) Kharkov, 1896. R. 3.20

BIANCHI (L.). *Lezioni sulla teoria dei gruppi di sostituzioni e delle equazioni algebriche secondo Galois*. Pisa, 1899. 8°. 283 pp. Fr. 10.00

— . *Vorlesungen über Differentialgeometrie*. Autorisierte deutsche Uebersetzung von G. Lukat. 3te (Schluss-) Lieferung. Leipzig, Teubner, 1898. 8vo. Pp. 1-16 and 529-659. M. 4.00

BLUMENTHAL (O.). *Ueber die Entwicklung einer willkürlichen Funktion nach den Nennern des Kettenbruches für $\int_{-\infty}^0 \frac{\phi(\xi)d\xi}{z-\xi}$* . (Diss.) Göttingen, 1898. 8vo 57 pp.

BOBYNIN (V. V.). *The section of mathematics, astronomy and physics at the first nine meetings of the Association of Russian naturalists*