

NOTES

At the meeting of the International Astronomical Union, held at Rome, May 2-10, 1922, Dr. W. W. Campbell, of the Lick Observatory, was elected president for the coming three years. Professor Tullio Levi Civita was appointed chairman of the committee on relativity.

The Jablonowski Society announces the following prize problem for 1924: In extending the Gaussian algorithm of the arithmetic-geometric mean to the case of two arbitrary functions $\varphi(x, y)$ and $\psi(x, y)$ two infinite sequences $x, x_1, \dots, x_n, \dots, y, y_1, \dots, y_n, \dots$ are obtained, starting from any two numbers x and y , by means of the recurrence formulas $x_n = \varphi(x_{n-1}, y_{n-1}), y_n = \psi(x_{n-1}, y_{n-1})$. The Society desires a discussion of such sequences for some simple functions $\varphi(x, y)$ and $\psi(x, y)$ for which an independent representation of the members of the sequences defined by the recurrence formulas can be found. Competing memoirs should be sent to the Jablonowski Society at the Library of the University of Leipzig before October 31, 1924; they should be written in German, Latin, or French.

Professor Henri Lebesgue, of the Sorbonne, has been elected a member of the Paris Academy of Sciences in the section of geometry, as successor to the late Camille Jordan.

Princeton University has conferred the honorary degree of doctor of science on Professor A. G. Webster, of Clark University.

Mr. W. W. Rouse Ball, of Trinity College, Cambridge, has offered to the University a sum of £500 to constitute a trust fund for the provision of occasional lectures dealing either with some particular development of mathematics or with some application of mathematics to science.

The Royal Society of Edinburgh has conferred its Keith prize (1919-1921) on Professor R. A. Sampson for his astronomical researches, including his papers on *Studies in clocks and time keeping*, published in its PROCEEDINGS during the period of the award. The same Society has conferred its James Scott prize, established in 1918 for a lecture or essay on the fundamental concepts of natural philosophy, on Professor A. N. Whitehead, for his lecture entitled *The relatedness of nature*.

The British commissioners of 1851 announce the following appointments to senior studentships in mathematics for 1922: Mr. A. E. Ingham, research student, Cambridge University; Mr. J. E. Jones, lecturer, University of Manchester. Holders of these studentships are given the opportunity of devoting their whole time for a period of not less than two years to scientific research.

The following advanced courses in mathematics are announced for the academic year 1922-23:

UNIVERSITY OF CHICAGO.—All courses meet four times a week for a quarter of twelve weeks. Courses which continue for more than one quarter are indicated with Roman numerals, as I, II, III, or IV.—By