

NOTES

A new monthly abstract journal for mathematics and the allied sciences has been established, under the editorship of O. Neugebauer; it is entitled *Zentralblatt für Mathematik und ihre Grenzgebiete (reine und angewandte Mathematik, theoretische Physik, Astrophysik, Geophysik)*. The board of editors is as follows: P. Alexandroff, J. Bartels, W. Blaschke, R. Courant, H. Hahn, G. H. Hardy, F. Hund, G. Julia, O. D. Kellogg, H. Kienle, T. Levi-Civita, R. Nevanlinna, H. Thirring, B. L. van der Waerden. It is published by Julius Springer; price 48 rentenmarks per annual volume.

Publication of a new series (series 2) of *Annali della R. Scuola Normale Superiore di Pisa* will begin in November, 1931. The publication will be in two separate sections, one in mathematics and mathematical physics and one in literature. The section in mathematics and mathematical physics will be edited by the science faculty of the University of Pisa under the direction of Professor Leonida Tonelli, Director of the Mathematical Institute of the University and Professor at the Scuola Normale. One volume of this section will be published annually, consisting of four parts of about a hundred pages each. It will be published by Nicola Zanichelli, Bologna; price 100 lire per annual volume.

A new journal devoted to mathematical recreations, entitled *Revue Périodique des Questions Récréatives*, has been established under the editorship of M. Kraitchik, of Brussels.

The firm of G. E. Stechert and Company, of New York, announce that they have reprinted *The Introduction to the Lie Theory of One-Parameter Groups*, by A. Cohen, long out of print and scarce. They have also in preparation reprints of Boole's *Differential Equations* and Bolza's *Calculus of Variations*.

The next International Mathematical Congress will be held in September, 1932, at Zurich, Switzerland.

According to a notice issued, in Latin, by the Pontifical Academy of Sciences (Nuovi Lincei), that Academy is inaugurating the broadcasting of notes and information on mathematics and the experimental sciences and their applications. In general, the language used will be Latin, but for notes referring to investigations or discoveries the author's own language may be used. A general invitation to supply material for this purpose is expressed, and all communications submitted will be considered by a committee of the Academy.

A symposium on *Mathematics in the service of chemistry* was held by the American Chemical Society at its spring meeting at Indianapolis. The addresses presented at this symposium have been published in the *Journal of Chemical Education* for June, 1931, and include articles on thermodynamic calculations, quantum theory, and the structure of the atom with particular reference to valence.