NOTES.

The January number (vol. 43, no. 1) of the AMERICAN JOURNAL OF MATHEMATICS contains the following papers: *Multiple binary forms with the closure property*, by A. B. Coble; *Einstein's theory of gravitation: determination of the field by light signals*, by Edward Kasner; *Note on Einstein's equation of an orbit*, by Frank Morley; *A one-to-one representation of geodesics on a surface of negative curvature*, by H. M. Morse; *Conjugate systems with indeterminate axis curves*, by E. P. Lane.

NATURE has published a special number (vol. 106, no. 2677, February 17, 1921) devoted entirely to discussions of various aspects of relativity theory. It contains papers by Professor A. Einstein, Mr. E. Cunningham, Sir F. Dyson, Dr. A. C. D. Crommelin, Dr. C. E. St. John, Professor G. B. Mathews, Mr. J. H. Jeans, Professor H. A. Lorentz, Sir O. Lodge, Professor H. Weyl, Professor A. S. Eddington, Dr. N. Campbell, Miss Dorothy Wrench and Mr. H. Jeffreys, and Professor H. W. Carr.

The National Research Council requested Professor H. L. Rietz, of the University of Iowa, to call together a small group for a preliminary conference to discuss the desirability of a committee of the Council in the field of the applications of mathematics to statistics, and to make appropriate recommendations. This group consisted of Professors J. W. Glover, E. V. Huntington, Raymond Pearl, and W. M. Persons, and the conference was held in Washington, January 21–22.

The gold medal of the Royal Astronomical Society has been awarded to Professor H. N. Russell, for his contributions to the theory of stellar evolution.

The Paris Academy of Sciences has awarded 3000 francs from its Loutreuil Foundation to Henri Brocard and Léon Lemoyne, for the publication of the second and third volumes of their work entitled *Courbes géométriques remarquables planes et gauches*.

At the University of Toulouse, Professor Buhl has at his own request been transferred from the chair of general mathematics to that of the differential and integral calculus.

Canon J. M. Wilson has been elected president of the British Mathematical Association.

At the Massachusetts Institute of Technology, Assistant Professor Joseph Lipka has been granted leave of absence for the year 1921–1922. He intends to study in Rome.

At Cornell University Mr. H. S. Vandiver has been awarded a subvention from the Heckscher Research Foundation to support investigations on the theory of algebraic numbers.

At Westminster College, New Wilmington, Pa., Associate Professor J. V. McKelvey, of Iowa State College, has been appointed Professor.

Professor Georges Humbert, of the Ecole Polytechnique and the Collège de France, member of the Paris Academy of Sciences in the section of geometry, died January 22, 1921, at the age of sixty-two years.

NEW PUBLICATIONS.

I. HIGHER MATHEMATICS.

AMODEO (F.). Lezioni di geometria proiettiva. 3a edizione. Napoli, L. Pierro, 1920.

BJORLING (C. F. E.). Oevningsuppgifter i differentialkalkyl och algebraisk analys. Lund, Gleerup, 1920. 8vo. 63 pp.

BOHR (H.), BONNESEN (T.), MOLLERUP (J.) og PÅL (J.). Elementerne af de algebraiske Tals Teori. Fire Foredrag holdt i Matematisk Forening (København). København, Gjellerup, 1920. 8vo. 115 pp.

BOLZANO (B.). Paradoxien des Unendlichen. Mit Unterstützung der Gesellschaft zur Förderung Deutscher Wissenschaft, Kunst und Literatur in Böhmen herausgegeben von der Philosophischen Gesellschaft an der Universität Wien durch Alois Höfler. Mit Anmerkungen versehen von Hans Hahn. (Philosophische Bibliothek, Band 99.) Leipzig, Meiner, 1921. 12mo. 12 + 157 pp.

BONNESEN (T.). See BOHR (H.).

BREMEKAMP (H.). De practische en de critische richting in de wiskunde. Rede uitgesproken bij de aanvaarding van het ambt van hoogeleeraar aan de Technische Hoogeschool te Delft. Groningen, Noordhoff, 1919. 19 pp.