

NOTES

During recent years the Department of Mathematics of the University of Chicago has planned to place emphasis on a particular field each Summer Quarter. Analysis was stressed in the summers of 1935 and 1937, and algebra will be emphasized in 1938. This is a field of major interest of Professors Dickson, Albert, and Hull, as well as Drs. MacLane, Jacobson, and Dribin, all of whom will participate in a seminar on the subject. There will also be a Conference on Algebra beginning at 9:30 A.M. on Tuesday, June 28, and ending July 1. During this period the participants in the seminar and all other mathematicians who may be interested will be addressed by the following invited speakers (listed in the order of their appearance on the program and with the titles of their addresses): L. E. Dickson (Chicago), *On the history and nature of the integral quantities of algebras*; Ralph Hull (Illinois), *The arithmetic of rational cyclic algebras*; A. A. Albert (Chicago), *On cyclic algebras*; Richard Brauer (Toronto), *On the structure of normal division algebras*; Saunders MacLane (Chicago), *The structure of perfect fields*; Oscar Zariski (Johns Hopkins), *Ideal theory and algebraic geometry*; Solomon Lefschetz (Princeton), *Formal power series in algebraic geometry*; C. C. MacDuffee (Wisconsin and the Institute for Advanced Study), *The use of matrices in ideal theory*; C. G. Latimer (Kentucky), *Ideals in a quaternion ring and Hermitian forms*; Emil Artin (Notre Dame), *Theory of quadratic forms*; Reinhold Baer (North Carolina), *Group structure and subgroup lattices*; John Williamson (Johns Hopkins), *The conjunctive equivalence of pencils of Hermitian and anti-Hermitian matrices*; M. H. Ingraham (Wisconsin), *Topics in the theory of matrices whose elements belong to a division algebra*; O. F. G. Schilling (Johns Hopkins), *Local class field theory*; Nathan Jacobson (North Carolina), *Simple Lie algebras*. It is hoped that many mathematicians, especially those interested in abstract algebra, will avail themselves of this opportunity to come together. Housing accommodations near the University have been arranged for those attending the Conference. A limited number of rooms will be available in Judson Court, a conveniently located and modern residence hall facing the Midway Plaisance, at the moderate charge of \$2.75 per day for room and board. Those desiring to reserve accommodations may do so by writing to A. A. Albert, Eckhart Hall, The University of Chicago.

The symposium on the algebra of geometry and related subjects at the University of Notre Dame, announced in the January number of this Bulletin, was held February 11 and 12, in five sessions. At the first session, on Friday morning, the following papers were presented: *Boolean algebra and topology*, by Professor M. H. Stone; *Partially-ordered function spaces*, by Mr. Garrett Birkhoff. At the session on Friday afternoon the following papers were presented: *On structures and their applications*, by Professor Oystein Ore; *Applications of the lattice theory to field structure*, by Dr. Saunders MacLane; *Some problems concerning groups*, by Dr. J. K. Senior. On Friday evening Professor E. V. Huntington gave a general lecture on the method of postulates entitled *The duplicity of logic*. On Saturday morning the following papers were presented: *Continuous geometry*, by Professor John von Neumann; *All's algebra of affine geometry and related problems*, by Professor Karl Menger; *A theorem on the algebra of geometry*, by Dr. A. N. Milgram. At the last session, on Saturday afternoon, the following papers were presented: *An application of the theory of division algebras*