

FIRST SUMMER SEMINAR OF THE CANADIAN MATHEMATICAL CONGRESS

This seminar in algebra and the theory of numbers was held at Victoria College in the University of Toronto from August 15 to September 13, 1947. The program consisted of three lecture series on research topics, four expository courses of graduate level, and sub-seminars with lectures on individual researches. About a hundred and thirty mathematicians took part in the seminar.

The lecture series were the following: *Théorie des idéaux algébrique*, by Professor Paul Dubreil; *Algebraic cohomology*, by Professor Saunders MacLane; *Topics from number theory*, by Professor L. J. Mordell.

The expository courses were: *Introductory topology*, by Professor C. H. Dowker; *Elementary theory of numbers*, by Professors R. D. James and Gordon Pall; *Introduction to modern algebra*, by Professor D. C. Murdoch; *Les fondements généraux des mathématiques*, by Professor Adrien Pouliot.

In the sub-seminars in algebra and number theory, conducted respectively by Professors Richard Brauer and Gordon Pall, the following papers were presented:

Ernst Snapper: *Linear equations in Noetherian rings.*

H. S. M. Coxeter: *On quadratic residues, and anallagmatic tessellations.*

S. A. Jennings: *Group algebras of certain infinite groups.*

Christine Williams: *Normal chains in groups.*

R. D. James: *Viggo Brun's method.*

L. K. Hua: *Exponential sums.*

D. C. Murdoch: *A theorem on nilpotent groups.*

G. de B. Robinson: *Nakayama's prime factor theorem.*

Karl Menger: *Generalization of a theorem of Minkowski.*

Edward Rosenthal: *The sum of cubes.*

Richard Brauer: *Class-number of algebraic number fields.*

R. M. Thrall: *Quasi-Frobenius algebras.*

C. J. Nesbitt: *A remark on representation of algebras.*

J. S. Frame: *Double coset traces.*

L. K. Hua: *Geometry of matrices.*

R. H. Bruck: *Applications of loop theory.*

Grace E. Bates: *Loop homomorphisms.*

Irving Reiner: *Meyer's theorem on primes in a binary quadratic form.*

L. J. Mordell: *The minimum of an indefinite binary quadratic form.*