# SUMMER RESEARCH INSTITUTE OF THE

# CANADIAN MATHEMATICAL CONGRESS

The Institute was in session from May 15 to August 15, 1957. There were 32 Fellows and visitors from the staffs of 19 Canadian universities and from the University of London and Rutgers University. Fellowship holders:

**Acadia University**
D. O. Snow

**University of Alberta**
O. P. Aggarwal
A. H. Lightstone

**U. of British Columbia**
B. Brainerd
P. S. Bullen
H. F. Davis

**Carleton University**
R. J. Semple

**University of London**
C. H. Dowker

**University of Manitoba**
N. S. Mendelsohn
B. Noonan

**University of Montreal**
I. Fáry
G. Fox
J. Maranda

**McGill University**
T. V. Narayana
H. Zassenhaus

**McMaster University**
B. Banaschewski
N. D. Lane

**U. of New Brunswick**
A. van der Sluis
L. Weisner

**Queen's University**
H. W. Ellis
I. Halperin
R. L. Jeffery

**Royal Military College**
H. A. Elliott
K. D. Fryer

**Rutgers University**
M. S. Robertson

**U. of Saskatchewan**
R. Blum

**University of Toronto**
G. F. D. Duff
W. A. J. Luxemburg

**Visitors**
Mrs. C. H. Dowker, Imperial College of Science,
    London, England
C. Kassimatis, Cornell University
F. Rothberger, Laval University
S. Yamamuro, Institute for Advanced Study

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The pattern of work followed that of last year. At the beginning a printed statement of the interests of each member was circulated. The value of this is that each then knows who is working in the same or related fields as himself.

Perhaps more than in other years, every Fellow seemed to be making substantial individual progress. There were instances of profitable collaboration, some of them carry-overs from previous years. No formal action is taken to encourage collaboration. The groups crystallize spontaneously around special interests. The outcome has been interesting with significant results which otherwise might not have come to light. Luxemburg, Banachewski, Brainerd and Davis met once a week for discussions based on the recent book on von Neumann algebras by Dixmier. Ellis conducted a seminar in general topology (Bourbaki) with Jeffery, Kassimatis and Snow taking part.

Professor Dowker of the University of London gave an hour address on dimension theory. Mrs. Dowker gave an hour address on ergodic theory.

Financial support for the Fellowships came from the National Research Council, the Research Corporation of New York, the Sloan Foundation, Queen's University, and the Canadian Mathematical Congress. Queen's University furnished office accomodation and library service. We note in passing that the library seems to be adequate for work in all branches of mathematics. This is in part due to a generous grant from the Carnegie Foundation.

The Fellows are unanimous in expressing thanks to those who are making it possible for them to get a three months' period each year free from distractions to concentrate on research. A report containing abstracts of the work of the Fellows will be published separately.

November 7, 1957.

R. L. Jeffery
Director

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