

SUMMER ACTIVITIES SPONSORED OR CONDUCTED BY THE
CANADIAN MATHEMATICAL CONGRESS
in 1965

(1) Tenth Biennial Seminar and Seventh Congress
at Laval University, Quebec - August 16 - September 7.

General Programme:

The theme of the seminar will be Functional Analysis but the programme will include other topics. A symposium on Mathematics and Computing will be held during the Congress meetings and several of the research lecturers will give lectures on specialized mathematical topics or more general topics. Various social events will be held during the seminar and congress.

Seminar Research Lectures:

- N. Aronszajn - University of Kansas -
Spectral problems, finite dimensional perturbations and variational approximation methods.
- J. Dixmier - Faculté des Sciences, Paris -
Calcul fonctionnel dans les algèbres de Banach.
- E. Hewitt - University of Washington, Seattle -
The Measure Algebra of a locally compact Abelian Group.
- F. Smithies - St. John's College, Cambridge -
Some problems in Banach Space Theory.

Professor I. M. Gelfand of Russia has also been invited to be a lecturer.

Seminar Instructional Lectures:

- C. Davis - University of Toronto -
Analyse fonctionnelle et approximation des fonctions.
- P. G. Rooney - University of Toronto -
Fourier and Hilbert Transformations and Generalizations.
- M. Sion - University of British Columbia -
Measure Theory.
- S. Zaidman - Université de Montréal -
Introduction à la théorie des distributions d'après Hormander.

Congress Programme:

- Friday, Sept. 3 - 2:00-5:00 p. m. - Registration
9:00 p. m. - Reception
- Saturday, Sept. 4 - 9:30 a. m. - Opening Session and Preliminary Meeting of the Congress.
10:45 a. m. - Invited lecture by Prof. Smithies on Recent Changes in Mathematical Education in the United Kingdom.
2:00 p. m. - Mathematics and Computing (1)
8:00 p. m. - Meeting of the Council
- Sunday, Sept. 5 - An interesting excursion is under consideration.
- Monday, Sept. 6 - 9:30 a. m. - Invited lecture by Prof. Aronszajn.
10:45 a. m. - Invited lecture by Prof. Hewitt.
2:00 p. m. - Mathematics and Computing (2)
6:30 p. m. - Dinner for all in attendance.
- Tuesday, Sept. 7 - 9:00 a. m. - Meeting of the Congress.
2:00 p. m. - Mathematics and Computing (3)

Accommodation:

Excellent residential accommodation and cafeteria service will be available during the entire period. The cost per person for room will be \$12 per week and the average cost for meals is \$3 per day. Nearly all rooms in the residences are single rooms. About twelve double rooms are available for families and the cost of rooms per child under age 12 will be \$6 per week.

The final notice will be sent to members in March along with application forms for travel grants. As in former years the Congress will cooperate with the universities in assisting members to attend the meetings. In the meantime, the Secretariat

will be glad to supply any other information available to any one who is interested.

Canadian Mathematical Congress,
985 Sherbrooke Street West,
Montreal, Que.

Programme Committee:

H. S. M. Coxeter (Chairman)	-	University of Toronto
A. J. Coleman	-	Queen's University
A. P. Guinand	-	Trent University
T. E. Hull	-	University of Toronto
P. G. Rooney	-	University of Toronto
H. Schwerdtfeger	-	McGill University
W. T. Tutte	-	University of Waterloo
N. S. Mendelsohn	-	University of Manitoba
W. L. G. Williams	-	Canadian Mathematical Congress
M. L'Abbé	-	Université de Montréal

(2) Summer Research Institute

At Queen's University, Kingston and University of British Columbia, May 15 to August 15. All Canadian members received notices in December 1964 and application forms which were due on or before January 20, 1965. Over ninety applications have been received and the committee hopes to receive an increased grant from the National Research Council so that all qualified applicants can be granted fellowships.

(3) University of British Columbia Summer Session in Geometry and Algebra - June 28 to August 20

The University of British Columbia, with financial assistance from the Canadian Mathematical Congress, is offering the advanced courses listed below. The Congress will pay full tuition fees and a grant toward travelling expenses to approved applicants. A partial living allowance may be granted in some cases.

MATHEMATICS 504 - Convex Bodies:
Prof. Peter Scherk, University of Toronto

MATHEMATICS 511 - Knot Theory:
Prof. Richard H. Crowell, Dartmouth
College, Hanover, N. H.

MATHEMATICS 530 - Homological Algebra (July 5-31):
Prof. Peter Hilton, Cornell University,
Ithaca, N. Y.

An application form and detailed course outlines may be obtained from the Head of your Department or by writing before May 1 to:

C. A. Swanson
Department of Mathematics
University of British Columbia
Vancouver 8, Canada

(4) Séminaire de Mathématiques Supérieures

L'Université de Montréal organise, durant l'été 1965, la quatrième session de son Séminaire de Mathématiques Supérieures. Le Séminaire durera six semaines, du 28 juin au 6 août.

Six professeurs invités donneront chacun une série de leçons. Chaque professeur invité dirigera, à l'intention des auditeurs, des périodes hebdomadaires de discussion. De plus, un certain nombre de mathématiciens seront invités à prononcer une ou plusieurs conférences durant le Séminaire.

The University of Montreal will hold, during the summer 1965, the fourth session of its Séminaire de Mathématiques Supérieures. This Seminar will last six weeks, from June 28th to August 6th.

There will be six main lecturers, each giving a series of lectures complemented by weekly discussion periods. In addition, certain other mathematicians will be invited to deliver special lectures on chosen topics.

Lecturers:

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| Prof. Shmuel Agmon | - Université de Jérusalem -
Unicité et propriétés de convexité dans les problèmes différentiels. |
| Prof. Marcel Brelot | - Université de Paris -
Théorie axiomatique du potentiel s'appliquant aux équations aux dérivées partielles du second ordre. |
| Prof. Felix Browder | - Université de Chicago -
Problèmes non-linéaires. |
| Prof. Guido Stampacchia | - Université de Pise -
Equations elliptiques du second ordre à coefficients discontinus. |
| Prof. José Barros-Neto | - Université de Montréal -
Problèmes aux limites non-homogènes. |
| Prof. Samuel Zaidman | - Université de Montréal -
Equations différentielles abstraites. |

Ce Séminaire est tenu spécialement à l'intention de mathématiciens et d'étudiants poursuivant des études supérieures et des recherches au niveau pré-doctoral ou post-doctoral.

Les résumés des cours, sous forme de notes multigraphiées, seront à la disposition des participants du Séminaire.

Des subventions sont prévues pour permettre de payer les frais de voyage (en totalité ou en partie) et les frais de séjour de ceux qui seront inscrits au Séminaire. Les frais d'inscription sont de cinq dollars.

Des chambres sont disponibles à la Résidence des étudiants de l'Université de Montréal au prix de deux dollars par jour ou de douze dollars par semaine. Les frais pour chambre et pension à la Résidence sont d'environ \$225 pour la durée du Séminaire. Pour retenir une chambre, les frais d'inscription doivent être versés d'avance.

Le Séminaire est subventionné conjointement par l'Organisation du Traité de l'Atlantique Nord, la Société Mathématique du Canada, le Gouvernement du Québec et l'Université de Montréal.

This Seminar is conceived particularly for mathematicians and students engaged in study and research at the predoctoral or postdoctoral level.

Mimeographed notes will be distributed to those attending the Seminar.

Financial assistance will be available to help cover travelling and living expenses of those registered at the Seminar. The registration fee is five dollars.

Rooms are available at the Students' Residence of the University of Montreal at the rate of two dollars a day or twelve dollars a week. It is estimated that the cost of room and board for the duration of the Seminar, at the Students' Residence, will amount to \$225. Those wishing to reserve accommodation at the Residence should forward their registration fee in advance.

The Seminar is financially supported by the North Atlantic Treaty Organization, the Canadian Mathematical Congress, the Province of Quebec and the University of Montreal.

Veillez adresser toute correspondance au:

Département de mathématiques,
Université de Montréal,
Case Postale 6128,
Montréal 3, Que. (Canada)

(5) Atlantic Provinces Summer School
Dalhousie University, Halifax - July 5 - August 13

Two courses at the graduate level will be offered this summer. One in Topology by Professor M. Edelstein of Dalhousie University and a second one in Functional Analysis or Differential Equations is being planned. A number of scholarships of \$300 each will be awarded to assist students.

Further information can be obtained from the Secretariat.