

## Werk

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## THE SCANDINAVIAN MATHEMATICAL SOCIETIES

### LIST OF OFFICERS AS OF JULY 1, 1958

#### DANSK MATEMATISK FORENING

[*The Danish Mathematical Society*]

Blegdamsvej 15, København Ø

W. FENCHEL, formand [chairman] \* H. TORNEHAVE, sekretær og næstformand [secretary and vice-chairman] \* K. R. BUCH, kasserer [treasurer] \* CHR. ANDERSEN \* S. BUNDGAARD.

#### ÍSLENZKA STÆRÐFRÆÐAFÉLAGIÐ

[*The Icelandic Mathematical Society*]

Hverfisgötu 53, Reykjavík

LEIFUR ÁSGEIRSSON, formaður [chairman] \* GUÐJÓN HANSEN, gjaldkeri [treasurer] \* MAGNÚS MAGNÚSSON, ritari [secretary].

#### NORSK MATEMATISK FORENING

[*The Norwegian Mathematical Society*]

Matematisk institutt, Universitetet, Blindern, Oslo

R. TAMBS LYCHE, formann [chairman] \* W. LJUNGGREN, næstformann [vice-chairman] \* H. S. JELSTRUP, sekretær [secretary] \* J. ØSTVOLD, kasserer [treasurer] \* E. M. ALFSEN.

#### SUOMEN MATEMAATTINEN YHDISTYS

FINLANDS MATEMATISKA FÖRENING

[*The Mathematical Society of Finland*]

Matematiska inrättningen, Helsingfors universitet

P. J. MYRBERG, ordförande [chairman] \* G. ELFVING, viceordförande [vice-chairman] \* K. VALA, sekreterare [secretary] \* K. KARHUNEN, skattnästare [treasurer] \* V. PAATERO.

#### SVENSKA MATEMATIKERSAMFUNDET

[*The Swedish Mathematical Society*]

Kungl. Tekniska Högskolan, Institutionen för matematik I, Stockholm 70

L. G. BORG, ordförande [chairman] \* L. A. E. CARLSON, viceordförande [vice-chairman] \* B. E. A. KJELLBERG, skattnästare [treasurer] \* H. RIESEL, sekreterare [secretary].

## NOTES

JANUARY 1–JUNE 30, 1958

### INTERNATIONAL

*International Mathematical Union (IMU).*

*Agenda 3rd General Assembly of IMU, August 11–13, 1958, St. Andrews, Scotland.*

1. Opening of the assembly.
2. President's report on the activities of the union.
3. Preparation of elections.
4. Commissions of the union. Reports and plans for future activities.
  - a) Commission for the world directory of mathematicians;
  - b) Commission on scientific publications;
  - c) Commission on the exchange of mathematicians and committee on promotion and development;
  - d) International commission for mathematical instruction (ICMI).
5. Symposia.
6. Financial report and budget for 1959–1962.
7. Revision of statutes of the union.
8. Revision of the statutes of ICMI.
9. Relations with ICSU and UNESCO.
10. IMU and future international congresses of mathematicians (including discussion on renovation of the style of international congresses suggested by the USA national committee).
11. Propositions for change of group of adherence.
12. Elections:
  - a) Executive committee;
  - b) Chairmen of the commissions.
13. Resolution approving reports.
14. Next meeting of general assembly.
15. Varia.

*An International Conference on Information Processing*, organized by UNESCO, will be held in Paris June 15–20, 1959. The program comprises the following topics:

- 1) Methods of digital computing.
- 2) Logical design of digital computers.
- 3) Common symbolic language for digital computers.
- 4) Automatic translation of languages.
- 5) Collection, storage and retrieval of information.
- 6) Pattern recognition and machine learning.

An international exhibition of apparatus for data processing will take place in Paris during the conference. Furthermore, visits to industries manufacturing such apparatus and to computing centres will be arranged. Symposia on special topics are planned; more detailed information will be given later.

The number of lectures planned is 66; these will be distributed over 11 sessions of 3 hours each. Everyone who wishes to give a lecture should submit the title and a summary of about 250 words (in 5 copies) by October 1st, 1958 to a local committee, for the Scandinavian countries to Mr. Stig Comét c/o Matematikmaskinnämnden, Box 6131, Stockholm 6. Summaries should be written in English or French (or accompanied by a translation to one of these languages). After a preliminary investigation, which will take place in October, those authors whose summaries have been selected will be asked to submit the complete texts of their lectures for the final selection. Further information will be given at the same time. The lectures accepted will be printed in English or French and sent to all members of the conference.

Applications for membership should be sent to the local committee before February 1959.

## SCANDINAVIAN

### DENMARK

Professor H. Tornehave of the Technical University of Denmark has been appointed to a newly established professorship in mathematics at the University of Copenhagen.

Dr. O. Schmidt has been appointed docent at the University of Copenhagen.

P. O. Neerup has been appointed afdelingsleder at the Mathematical Institute of the University of Copenhagen.

B. Fuglede has been appointed lektor in mathematics at the University of Copenhagen.

W. Engel Christensen has been appointed amanuensis in mathematics at the Technical University of Denmark.

T. Heiede has been appointed amanuensis in mathematics at the Royal Veterinary and Agricultural College, Copenhagen.

J. Haagen Hansen has been appointed assistant in actuarial mathematics at the University of Copenhagen.

Dr. F. P. Pedersen of the Technical University of Denmark is on leave and has been appointed to a visiting assistant professorship at the University of Southern California, Los Angeles, for the academic year 1958-59. His position of amanuensis will be held by E. T. Kehlet.

Professor I. E. Segal of the University of Chicago is on leave at the University of Copenhagen.

Professor H. D. Brunk of the University of Missouri has been awarded a Fulbright lectureship. He will spend the academic year 1958-59 at the University of Copenhagen.

At the University of Aarhus the following new positions in mathematics have been established (August 1, 1958): A professorship, two positions of amanuensis, two lectureships, and two instructorships.

At the Danmarks Lærerhøjskole, Copenhagen, a professorship in mathematics has been established.

A *Danish-Dutch colloquium* has been held at the Mathematical Institute of the University of Copenhagen on May 16 and 17. The following lectures were given:

J. de Groot, *Some applications of general topology in algebra.*

P. Neerup, *Hjelmslevs Geometrie mit Nachbarelementen in analytischer Behandlung.*

F. Loonstra, *Extension of homomorphic mappings.*

N. G. de Bruijn, *Asymptotics of iteration.*

B. Fuglede, *Extremal length and functional completion.*

A. van Wijngaarden, *Numerical summation of series.*

*Guests lectures.*

University of Copenhagen:

May 21–23     A. G. Walker, University of Liverpool, *Harmonic spaces.*

*Lectures at meetings of the Danish Mathematical Society:*

February 3     J. Nielsen, *Topologisk og geometrisk isomorfi for ikke-euklidiske flytningsgrupper* [Topological and geometrical isomorphisms of groups of non-euclidean motions].

March 7        N. Aronszajn, University of Kansas, *On the theory of potentials.*

April 25       P. R. Garabedian, Stanford University, *Bierberbach's conjecture for the fourth coefficient.*

May 19         A. G. Walker, University of Liverpool, *Axioms for cosmology.*

## FINLAND

Professor F. W. Gehring, on leave from the university of Michigan, will spend the academic year 1958–59 at the University of Helsinki. Dr. I. S. Louhivaara has been appointed docent at the same University.

*Lectures at meetings of the Mathematical Society of Finland:*

January 29     R. Lehti, *Multivektorialgebran perusteista* [On the foundations of multivector algebra].

February 19    P. J. Myrberg, *Eräs aritmeettis-geometrisen keskiarvon yleistys* [A generalization of the arithmetic-geometric mean].

March 26       R. Nevanlinna, *Cauchy'n murtoviivamenetelmästä* [On Cauchy's polygon method].

April 14        P. R. Garabedian, Stanford University, *Application to supersonic flow of Cauchy's problem for an elliptic equation.*

May 7          K. Jörgens, Max Planck Institut für Physik, Göttingen, *Die asymptotische Verteilung der Eigenwerte und Eigenfunktionen Belträmischer Operatoren.*

## NORWAY

Fil. dr. Olav Reiersøl has been appointed to a professorship in mathematics at the University of Oslo from January 1, 1958.

*Guest lectures.*

## University of Oslo:

- March 7, 10 A. Dinghas, Freie Universität Berlin, *Zur Theorie der Gammafunktion.*
- April 9 G. A. Barnard, Imperial College, London, *A new approach to control chart theory.*
- April 10 G. A. Barnard, Imperial College, London, *Long runs and the measures they define.*
- April 11 G. A. Barnard, Imperial College, London, *A consistency proof for fiducial inference.*
- May 6 L. Rédei, University of Szeged, Hungary, *Einstufig kommutative algebraische Strukturen.*

## University of Bergen:

- March 17 E. B. Schieldrop, University of Oslo, *Et nytt integralprinsipp i mekanikken* [*A new integral principle in mechanics*] \* *Albert Einstein.*
- April 16 V. Brun, University of Oslo, *Arkimedes.*
- April 17 V. Brun, University of Oslo, *Gamle og nye tilnærmelsesformler for arealberegning* [*Old and new approximation formulas for areas*] \* *Matematikk og estetikk* [*Mathematics and aesthetics*].
- April 18 V. Brun, University of Oslo, *Niels Henrik Abel.*
- April 19 V. Brun, University of Oslo, *Regnekunsten i det gamle Norge* [*The art of computing in old Norway*] \* *Renessansetidens matematikere. Løsning av tredje- og fjerdegradsligningen.* [*Renaissance mathematicians. Solution of the equations of the third and fourth degree*].
- April 21 V. Brun, University of Oslo, *Euklidiske kjedebroksalgoritmer* [*Euclidean algorithms for continued fractions*].

## The Technical University of Norway, Trondheim:

- February 26 A. Dinghas, Freie Universität Berlin, *Theorie und Praxis der Gammafunktion.*
- February 27 A. Dinghas, Freie Universität, Berlin, *Verzerrungsfreiheit schlichter Funktionen auf dem Einheitskreis.*
- February 27 V. Brun, University of Oslo, *Arkimedes som matematiker* [*Archimedes as a mathematician*].
- February 28 V. Brun, University of Oslo, *Simpsons formel* [*Simpson's formula*].

*Lectures at meetings of the Norwegian Mathematical Society:*

- February 4 I. Johansson, *Bemerkninger i tilknytning til firefargeproblemet* [*Considerations in connection with the four-colour problem*].
- March 18 E. M. Alfsen, *Ikke lineær integrasjon* [*Nonlinear integration*].
- May 5 L. Rédei, University of Szeged, Hungary, *Theorie der merkwürdigen Punkte des Dreiecks.*

## SWEDEN

University of Uppsala: E. Y. Domar has been appointed laborator in mathematics. During K. A. Nordlander's leave of absence next term his position as

biträdande lärare will be held by T. Domar. Other positions as biträdande lärare in mathematics will be held by S. Christoffersson A. af Ekenstam, M. Essén, L. Fjellstedt, and K. G. Nordlander.

University of Lund: Professor N. O. Zeilon died April 12. Professor L. Gårding will be on leave of absence at the Institute for Advanced Study, Princeton, U.S.A., during the fall term. His position will be held by C. E. Hyltén-Cavallius. Lektor B. Fuglede, University of Copenhagen, has received a stipend as Scandinavian docent at the University of Lund for 1958/59. A vacant laboratorship in mathematics is held by G. S. Bergendal. J. Peetre and J. E. Roos have been granted stipends from Th. Dahlgren's foundation; also supported by the Swedish Natural Science Research Council they will spend the academic year 1958/59 in Paris. The university has applied for new positions of biträdande lärare in mathematics. If these are granted the old and new positions will be held by K. I. G. Brinck, J. Lanke, L. Lithner, K. Olofsson, A. Persson, and N. O. Wallin.

University of Stockholm: Professor O. A. Frostman visited Germany (Münster, Heidelberg) in June. Three positions of biträdande lärare will be held by G. Björck, V. Thomée, M. Håstad. The University has applied for an extra position of the same kind which, if granted, will be held by L. Busch.

University of Gothenburg: A new position of biträdande lärare in mathematics will be held by T. V. S. Herlestam who leaves the University of Lund.

The Royal Institute of Technology, Stockholm: B. J. Andersson has been appointed professor in technical hydrodynamics. He is the successor of professor E. G. E. Hogner who died August 1, 1957. During H. Rådström's stay in U.S.A. his laboratorship was held by E. Asplund.

Chalmers' Institute of Technology, Gothenburgh: A new position of laborator in mathematics has been established, and is temporarily held by F. Eriksson. Professor G. Hössjer has resigned from the position of president of the institute. A. Broman who held Hössjer's professorship has returned to his position of laborator in mathematics.

#### *Guest lectures.*

University of Uppsala:

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|-----------------|---|
| Febr. 2-Aprill, | O. Lehto University of Helsinki, <i>Riemannian surfaces * Normal meromorphic functions.</i>   |
| March 12        | M. Aronszajn, University of Kansas, <i>Reproducing kernels.</i>   |
| April 9-12      | S. Bundgaard, University of Aarhus, <i>Nogle grundlæggende spørgsmål i den elementære matematik [Some basic questions in elementary mathematics].</i> |
| April 28, 29    | L. Rédei, University of Szeged, Hungary.  |

University of Lund:

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| March 14 | N. Aronszajn, University of Kansas, <i>Unique continuation of solutions of elliptic equations.</i>   |
| April    | P. R. Garabedian, Stanford University, <i>A hydrodynamical problem.</i>  |
| May 2    | L. Carleson, University of Uppsala, <i>Interpolation med begränsade analytiska funktioner [Interpolation by bounded analytic functions].</i> |

## University of Stockholm:

- February 2, O. Lehto, University of Helsinki, *Isolerade singulariteter av analytiska funktioner* [Isolated singularities of analytic functions].  
 March 4,18  
 March 11 N. Aronszajn, University of Kansas, *Continuation of solutions of elliptic differential equations*.  
 March 25 O. Lehto, University of Helsinki, *En generalisering av Picards sats* [A generalization of Picard's theorem].  
 April 17 P. R. Garabedian, Stanford University, *Cauchy's problem and supersonic flow with detached shock wave*.

## University of Gothenburg:

- March 14 N. Aronszajn, University of Kansas, *Functional spaces and functional completion*.

## Chalmers' Institute of Technology:

- February 27, R. Nevanlinna, Academy of Finland, *Partiella differentialekvationer av första ordningen* [Partial differential equations of the first order].  
 28  
 April 25 E. Y. Domar, University of Uppsala, *Negativt definita funktioner* [Negatively definite functions].

*Lectures at meetings of the Swedish Mathematical Society:*

## March 22, at the Royal Institute of Technology, Stockholm:

- J. Peetre, *Några tillämpningar av en sats av Mihlin*. [Applications of a theorem of Mihlin].  
 M. Essén, *Om självortogonala funktioner* [On autoorthogonal functions].  
 S. R. Nordqvist, *Vägars och gators kapacitet* [The capacity of roads and streets].  
 L. Hörmander, *Division av distributioner med polynom* [Division of distributions by polynomials].  
 N. Nilsson, *Väsentligt självadjungerade Hamilton-operatorer* [Essentially selfadjoint Hamilton operators].  
 H. O. Kreiss, *Om existensen av stabila differensapproximationer till partiella differentialekvationer och konsekvenser derav* [On the existence of stable difference approximations of partial differential equations, with consequences].

## June 7, at the Mittag-Leffler Institute, Djursholm:

- G. Kjellberg, *Om konvergens hos några iterative metoder för lösning av linjära ekvationssystem* [On the convergence of some iterative methods for the solution of systems of linear equations].  
 L. E. Zachrisson, *Asymptotiska felet vid digital beräkning av den itererade integralen av en stokastisk tidsfunktion* [Asymptotic error in digital computing of the iterated integral of a stochastic time function].  
 L. Hulthén, *Bidrag till teorien för observans* [Contribution to a theory of observation].  
 B. Kjellberg, *Forskningsrådets kommitté för trafiksäkerhetsforskning, problem och resultat. Visning av bilder* [The committee of traffic security research, problems and results. Pictures from experiments].