THE REGULAR MEETING OF THE IOWA SECTION MATHEMATICAL ASSOCIATION OF AMERICA

The 71st regular meeting of the Iowa Section, M.A.A. was held on the campus of Wartburg College, Waverly, Iowa on April 13 and 14, 1984. The meeting was held jointly with the Iowa sections of the Society for Industrial and Applied Mathematics and the American Statistical Association. The sessions were presided over by Chairperson-Elect Wayne Woodworth. There were 29 persons present on Friday, 25 of whom were members of the section. Of the 44 persons attending the Saturday sessions, 35 were MAA members. In total, 49 persons attended at least one of the sessions, including 37 members of the Iowa Section and one other MAA member.

The program arranged by Wayne Woodworth along with Arthur Gautesen of SIAM and Kenneth Koehler of ASA consisted of the contributed papers and invited addresses listed below as well as the Governor's report by Donald Meyer and the business meeting.

At the business meeting, presided over by Chairperson Lynn Olson, George N. Trytten of Luther College was elected to the office of Chairperson-Elect and Alan J. Heckenbach was chosen to be the new Secretary-Treasurer. The chairperson announced that during the year he had appointed George N. Trytten as Public Information Representative. It was also announced that the Executive Committee had decided to award the three student paper presentors free one-year memberships in the MAA or MAA-published books for those already members.

Professor Olson announced that he had been contacted by the Iowa Academy of Science with regard to meeting jointly with them again in the future. He pointed out that this would be a possibility since there were no conflicting dates with NCTM meetings in the next two or three years. Following some discussion, a resolution authorizing the Executive Committee to explore the resumption of joint meetings with the IAS was passed.

Appreciation was expressed to James Peake, the retiring Secretary-Treasurer and to outgoing chairperson Lynn Olson and Wartburg College for hosting the meeting.

Invited Addresses:

Kenneth Ross, University of Oregon, Secretary of the MAA,
  Another Approach to Riemann-Stieltjes Integrals.

Daniel Mihalko, University of Nebraska, Lincoln,
  A Nice Property of Armadillos and How to Take Advantage of It.

Student Papers:

Frank A. Odoom, Iowa State University
  On Hermite Quintic Interpolation

Jennifer L. Meyer, Drake University
  Counting Self-Avoiding Walks on a Regular 3-Dimensional Network

Grant Izmirlian, Drake University
  Construction of Complex Transitive Graphs

Short Presentations:

Catherine Gorini Wadsworth, Maharishi International University,
   Unified Field Based Mathematics at Maharishi University

Walter Beck, University of Northern Iowa,
   Computer Graphics at UNI

Bernadette Baker, Drake University,
   Interpretation of Discarded Roots of Algebraic Equations

Jack Heidel, Iowa State University,
   Mathematical Models for the Dendritic Tree of a Nerve Cell

Milan Randic, Drake University,
   Graph Generators

Don Pilgrim, Luther College,
   Quotient Structures in Binary Systems with no Identity Element

Robert Arnold, Iowa State University,
   Extending Minty's Algorithm for Network Minimization Problems

George Woodworth, University of Iowa,
   Sweep Operator in Statistics: Multivariate Analysis on a Micro

Richard Dykstra, University of Iowa,
   Least Squares Projections onto Intersections of Convex Cones

Margarita Guerrero, Iowa State University,
   Bayes, Buehler and Buehler-Bayes Confidence Bounds.

Respectfully submitted,

E. J. Peake
Secretary-Treasurer
Iowa Section MAA

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