

THE REGULAR MEETING OF THE IOWA SECTION  
MATHEMATICAL ASSOCIATION OF AMERICA

The 68th regular meeting of the Iowa Section, M.A.A., was held on the campus of Coe College, Cedar Rapids, Iowa, on April 24 and 25, 1981. The meeting was held jointly with the Iowa sections of the Society for Industrial and Applied Mathematics and the American Statistical Association. While the Iowa Academy of Science was meeting at the same location, there was no formal connection with the MAA meeting. Professor Donald Bailey presided over the Friday session, Chairperson Arnold Adelberg presided over the Saturday morning session, and Chairperson-Elect A. M. Fink and Professor James Murdock presided at the Saturday afternoon sessions. There were 24 persons present on Friday, 20 of whom were members of the section. Of the 53 people attending the Saturday sessions, 39 were MAA members.

The program, arranged by A. M. Fink, Howard Levine of SIAM, and Thomas Moberg of ASA consisted of the contributed papers, invited addresses, and the panel discussion listed below along with a program of MAA films, the Governor's report presented by William Waltmann, and the business session.

At the business meeting, Edward T. Hill of Cornell College was elected to the office of Chairperson-Elect while E. James Peake of Iowa State University was re-elected as Secretary-Treasurer. A motion was approved that the section explore the possibility of becoming involved with other nearby sections in the formation of regional seminars and conferences.

After considerable discussion, two motions regarding future meetings were passed. The first, with respect to the 1982 meeting, called for a joint meeting with SIAM and ASA on a college campus and on dates that would not conflict with meeting dates of NCTM. This would preclude any joint arrangements with IAS. For the future, the section decided to continue to explore the possibility of joint meetings with IAS with appropriately shared arrangements while trying to avoid conflicts with meetings of other mathematical organizations.

There were motions of appreciation for Chairman Arnold Adelberg and our hosts, Charles Lindsay and Coe College.

Papers, invited addresses, and panel discussions:

1. Using the Study of Consciousness in the Mathematics Classroom,  
C. G. Wadsworth, Maharishi International University.

2. Ancient Mathematical Models of Celestial Motion, J. C. Mathews, Iowa State University.
3. A Model for the Flow of Surfactants on the Interface of Forming Droplets, H. A. Levine, Iowa State University.
4. Teaching Operations Research at the Undergraduate Level and the use of UMAP Materials, A. M. Fink, Iowa State University.
5. Survey Results: Responses to a Questionnaire from Mathematics Faculty of the Liberal Arts Colleges in Iowa, D. V. Meyer, Central College.
6. Invited Address: Robust Statistical Methods, R. V. Hogg, University of Iowa.
7. Invited Address: Some Algorithmically Defined Functions, R. D. Anderson, President of MAA.
8. Invited Address: An Asymptotic Stochastic View of Split-second Hesitation, J. C. Kegley, Iowa State University.
9. Invited Address: On "Optimal" Reconstruction Algorithms in Computed Tomography, W. R. Madych, Iowa State University.
10. Geometrical Diffraction Theory, A. K. Gautesen, Iowa State University.
11. Integration on Spheres, K. E. Atkinson, University of Iowa.
12. Identifying Comparitively Excessive Sentences of Death: A Quantitative Approach, G. Woodworth, University of Iowa.
13. The Dynamics of Electoral competition: A Preliminary Analysis, A. F. Kleiner and W. P. Collins, Drake University.
14. A Statistical Analysis of the Effect of Car Inspection and Maintenance Programs on Ambient CO Concentrations, J. Ledolter, University of Iowa.
15. Panel: Redesigning the Undergraduate Curriculum in the Mathematical Sciences - The Impact of Computers, W. Waltmann, Moderator, Wartburg College.
16. Terminal Skunk, I. R. Hentzel, Iowa State University.
17. Enumeration in Music Theory, D. L. Reiner, Grinnell College.
18. Genetic Polymorphism in Varying Environments, J. L. Cornette, Iowa State University.

Respectfully submitted,

E. J. Peake  
Secy-Treas  
Iowa Section MAA