

## Iowa Section

The seventy fourth annual spring meeting of the Iowa Section was held on April 24-25, 1987 at the University of Northern Iowa, Cedar Falls, Ia. There were 64 registrants.

### Invited Addresses:

"The Way It Was," by Ivan Niven, University of Oregon.

"Relationships between Mathematics and Statistics," by Oscar Kempthorne, Iowa State University.

"Coding Theory Applied to Combinatorics," by Ivan Niven, University of Oregon.

### Contributed Papers:

"Chaos in our Ranks," by Ronald K. Smith, Graceland College.

"Connection Algebras and Riccati Differential Equations in Lie Groups," by Hyo Myung, University of Northern Iowa.

"Topos Theory: Integration of Classical and Intuitionistic Mathematics," by Michael Weinless, Maharishi International University.

"Terminal Polynomials," by Alex Kleiner, Drake University.

"A Graphical Aide for Selecting a Distribution Function," by Ken Koehler, Iowa State University.

"Why is Proof So Difficult and How Can We Better Teach It?" by Eric Hart, Maharishi International University.

"Some Results on Record Values," by S.N.U.A. Kirmani, University of Northern Iowa.

"The Set-Theoretic Foundations of Topological Structures," by Catherine A. Gorini, Maharishi International University.

"Regular Systems of Inbreeding with Mutation," by Russell B. Campbell, University of Northern Iowa.

"Tracking Wildlife with Statistics," by Russell V. Lenth, University of Iowa.

"A Geometric Regularity from Order Restricted Inference," by Tim Robertson and Carolyn Pillers, University of Iowa.

### Student Papers:

"Compactness," by William O. Martin, Iowa State University.

"Modeling Field-Like Behavior in Human Consciousness," by Kurt Kleinschnitz, Maharishi International University.

"Projections in Three-Dimensional Hyperbolic Geometry," by Dave Bishop, University of Northern Iowa.

"Bipartite Graphs," by Ruth Gornet, Drake University.