September 27, 1973

Dear Colleague:

Enclosed is the pertinent information for the Program of Visiting Lecturers of the Iowa Section of the Mathematical Association of America. Each institution of higher education in Iowa, junior colleges, four year colleges, and universities, is to receive a copy. Also, each lecturer is to have a personal copy. Your Executive Committee trusts that you will read the information carefully. Then schools and lecturers can make arrangements for visits.

A report of a visit is to be made by the lecturer on the form provided. Schools are invited to report informally.

If questions arise or if we may be of service to you, please feel free to contact your Executive Committee.

Sincerely,

Donald Bailey, Chairman
Iowa Section
Mathematical Association of America

DB:cb
enclosures
The Iowa Section of the Mathematical Association of America initiated a Local Visiting Lecturer Program in the academic year 1972-73. At the April, 1973 meeting of the Section at Grinnell, those in attendance voted to continue the program for a second year.

The cost of the program is borne by:

1. Postage, paper, and reproduction of copy from regular funds of the Section.

2. Expenses of the lecturers by the host institution as their budget permits. Expenses are defined to be: mileage at the rate of 10¢ a mile, and out of pocket expenses for meals and/or lodging while away from home.

3. In case the expenses of the lecturer are more than the host institution can pay, the difference is paid from a $100 grant from the Mathematical Association of America to the Iowa Section for this purpose.

Each institution which wishes to have a visiting lecturer from the following list should contact the lecturer directly and make all arrangements by mutual agreement. Schools without funds or with insufficient funds to pay expenses should not hesitate to invite lecturers. (One should bear in mind however that only $100 is available to cover expenses not covered by host institutions.)

Each lecturer has indicated the Level of his lecture according to the following definition:

Level I  --- Designed for Junior-Senior Mathematics Majors and Staff.

Level II  --- Designed to further the interest of the Freshman-Sophomore student in Mathematics.

Also the lecturer has indicated the day or days of the week preferred (DOW) and the maximum one-way mileage (MOWM), if any, for the visit.

Questions or comments should be directed to any member of the Executive Committee:

Donald Bailey, Chairman
Iowa Section
Cornell College
Mount Vernon, Iowa  52314

Donald Pilgrim, Chairman-Elect
Iowa Section
Luther College
Decorah, Iowa  52101

Basil E. Gillam, Secretary-Treasurer
Iowa Section
Drake University
Des Moines, Iowa  50311

Joseph Hoffert, Past-Chairman
Iowa Section
Drake University
Des Moines, Iowa  50311
LECTURERS AND TITLES

Arnold Adelberg
Grinnell College, Grinnell, Iowa  50112

Binomial Coefficients and the Calculus of Finite Differences  Level II
Bezout's Theorem for Hypersurfaces in Projective Space  Level I
Intersection Multiplicity for Algebraic Curves in the Plane  Level I

(DOW) none  (MOWM) none

Deane Arganbright
Iowa State University, Ames, Iowa  50010

Let Me Put It Another Way: Pop-up Group Theory  Level I or II

(DOW) Tuesday or Thursday  (MOWM) "reasonable"

James L. Cornette
Iowa State University, Ames, Iowa  50010  Available only after March 10

Elementary Problems in Biomathematics  Level I
Introduction to Population Genetics  Level II
Introduction to Game Theory  Level II

(DOW) none  (MOWM) none

A. M. Fink
Iowa State University, Ames, Iowa  50010

Latin Squares  Level II
Coloring of Graphs  Level I or II
Variations on Geometric Mean-Arithmetic Means  Level I
Secrets of a Mississippi River Gambler  Level I
The Fair Division Problem  Level I or II

(DOW) none  (MOWM) none
Robert V. Hogg  
University of Iowa, Iowa City, Iowa  52240  First Semester Only

Florence Nightingale, Statistics, and Actuarial Science  Level II
A Problem in Maximum Likelihood Estimation  Level I
Adaptive Statistical Inference  Level I
(DOW) Thursday  (MOWM) 150

Charles M. Lindsay  
Coe College, Cedar Rapids, Iowa  52402

Other Domains  Level II
History of Mathematics—Selected Topics  Level I or II
Order and Chaos—A Look at Mathematics being Applied  Level II
(DOW) none  (MOWM) none

Elsie Muller  
Morningside College, Sioux City, Iowa  51106

Women Mathematicians from Emmy Noether to the Present  Level I or II
Great Problems in Mathematics  Level II
Recreational Mathematics  Level I
(DOW) Friday  (MOWM) none

M. R. Novick  
University of Iowa, Iowa City, Iowa  52240

Computer Assisted Data Analysis  Level I
(DOW) Monday or Friday  (MOWM) none

E. J. Peake  
Iowa State University, Ames, Iowa  50010

Universal Algebra  Level I
(DOW) Tuesday or Thursday  (MOWM) 150
Ronald Randles
University of Iowa, Iowa City, Iowa 52240

Surveying Sensitive Issues through Randomized Responses
Statistics, Scientific Method, and Smoking

(DOW) Tuesday or Thursday  (MOWM) 150

Level II  Level I

Tim Robertson
University of Iowa, Iowa City, Iowa 52240

Step Function Regression
Measuring the Middle
Estimating a Density and its Mode

(DOW) none  (MOWM) 150

Level II  Level II  Level I

D. E. Sanderson
Iowa State University, Ames, Iowa 50010

Teaching as an Aid to Research
The Jordan Curve Theorem--A One Hundred Year History

(DOW) Tuesday or Thursday  (MOWM) 150

Level I  Level I

F. T. Wright
University of Iowa, Iowa City, Iowa 52242

Estimating Population Sizes From Recapture Data
Isotonic Optimization
Sums of Independent Random Variables

(DOW) Friday  (MOWM) 150

Level II  Level I  Level I

Alex Kleiner
Drake University, Des Moines, Iowa 50311

Binomial Coefficients
Mobius Transformations
Infinite Series

(DOW) None  (MOWM) 150

Level II  Level II  I or II