Cornell College MOUNT VERNON, IOWA

*Department of Mathematics*

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 F. Bailey

Donald Bailey, Chairman
Iowa Section
Mathematical Association of America

DB:cb
enclosures

Iowa Section

of the

Mathematical Association of America

# PROGRAM OF

# VISITING LECTURERS

1973-74

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 Acturial 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 | Level II |
| Statistics, Scientific Method, and Smoking | Level I |

(DOW) Tuesday or Thursday (MOWM) 150

Tim Robertson
University of Iowa, Iowa City, Iowa 52240

| | |
|---|---|
| Step Function Regression | Level II |
| Measuring the Middle | Level II |
| Estimating a Density and its Mode | Level I |

(DOW) none (MOWM) 150

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

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

(DOW) Tuesday or Thursday (MOWM) 150

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

| | |
|---|---|
| Estimating Population Sizes From Recapture Data | Level II |
| Isotonic Optimization | Level I |
| Sums of Independent Random Variables | Level I |

(DOW) Friday (MOWM) 150

Alex Kleiner
Drake University, Des Moines, Iowa 50311

| | |
|---|---|
| Binomial Coefficients | Level II |
| Mobius Transformations | Level II |
| Infinite Series | I or II |

(DOW) None (MOWM) 150