

Math Events 2004 at the University of Dayton

Saturday, November 6, 2004

- **Conversations among Women in Mathematics**
8:30 a.m. – 1:00 p.m. (See separate poster for details)
- **The Fifth Kenneth C. Schraut Memorial Lecture**
1:10 p.m. – 2:25 p.m.



Beyond Reasonable Doubt:

The Role of Statistics in Health Research

Jane Pendergast, a biostatistician and Director of the Center for Public Health Statistics at the University of Iowa, will talk about the role of statistical reasoning and methods in health research, and how we capitalize on the concept of “chance” to answer our questions.

- **Biennial Alumni Seminar**
(with sessions and information on careers)
2:45 p.m. – 4:30 p.m.

There is **no registration fee**, but please register by Tuesday, November 2, 2004. Details and registration at <http://academic.udayton.edu/MathEvents/>

Questions? Send e-mail to MathEvents@udayton.edu or call 937-229-2013.

We gratefully acknowledge funding for *Conversations among Women in Mathematics* from the following: The Tensor Foundation, the Association for Women in Mathematics Sonia Kovalevsky High School Mathematics Day Program (funded by Elizabeth City State University and the National Security Agency), the Leonard A. Mann, S.M., Chair in the Sciences at UD, the UD Women's Center and the Department of Mathematics. We thank the Society for Industrial and Applied Mathematics and the Mathematical Association of America for their support.

Conversations among Women in Mathematics

(Undergraduates and/or women juniors and seniors in high school)
Saturday November 6, 2004

- **Check-in and folder pick-up**

8:30 a.m.

- **Panel discussion on issues concerning women in mathematics**

9:00 a.m. – 10:15 a.m.

Panelists:

- **Marjorie August**, software engineer
- **Amy Bellis**, cryptologic mathematician
- **Teresa Dean**, human resource manager
- **Kathleen Dietz**, high school mathematics teacher
- **Jane Pendergast**, biostatistician

- **Hands-on mathematics workshops**

10:40 a.m. - 11:55 a.m.

- **Code Breaking**

Amy Bellis, National Security Agency

- **Crayons and Computers:**

- Awesome Pictures of Mathematics**

- Annalisa Crannell, Franklin and Marshall College

- **Pondering Pebbling Problems**

- Aparna Higgins, University of Dayton

- **Geometry with Geometer's SketchPad**

- Becky Krakowski, University of Dayton

- **I'M MY OWN GRANDPA! Smullyan's Robots, Their Programs, and Undecidability in Mathematics**

- Carol Schumacher, Kenyon College

- **Catered luncheon**

Noon – 1:00 p.m.

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Biennial Alumni Seminar

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Auditorium Lobby

Statistics/Biostatistics

- Jane Pendergast (74), Associate Professor and Director of the Center for Public Health Statistics in the Department of Biostatistics at the University of Iowa
- Tom Filloon (81), Senior Statistician, P&G

Management

- Teresa Dean (79), Senior Human Resource Manager, P&G

Cryptography

- Amy Bellis, National Security Agency

Teaching

- Kathleen Dietz (71), Calvert Hall High School
- Barbara Carruth (68), Sinclair Community College
- Usual collection of UD professors

Engineering

- Marjorie August (91), Senior Software Engineer, General Dynamics Land Systems
- Joe Huelsman (98), Project Analyst/Statistician, Titan Corporation (WPAFB)
- Robert Bolz (66), Vice-President, F/A Sustainment, Lockheed Martin Aeronautics Company

Actuarial Science/Financial Analysis

- Cynthia Morrison (74), Second Vice President, Financial Management, Guardian Life
- Tom Britt (85), Greg Slone, Steve Craighead, Nationwide Financial

Food Safety Advocate

- Barbara Kowalcyk (91), Board of Directors, Safe Tables Our Priority

Information Technology

- Mark Hale, Academic Information Technology Administration, University of Iowa