The Kansas Section
of the
Mathematical Association of America

March 8-9, 2002

Ottawa University

Friday

7:00 P.M.	Registration, Administration Building, Second floor
7:30 P.M.	Keynote Address, Administration Building Auditorium

- Ton Boerkoel, Emporia State University
  - *Transformational Geometry*

8:30 P.M.- 10:00 P.M.	Reception, O'Dell Lounge, Martin Hall

Saturday

7:45 A.M.	Breakfast for Departmental Representatives, Ward Science 101
8:30 A.M.	Registration, Ward Science 103
9:00 A.M.	Talks, Ward Science 101

- Kevin Charlwood, Washburn University
  - *Small Group Projects in Calculus*

- Doug Burkholder, McPherson College
  - *Symmetric linear constructions which always produce parallelogons.*

- Joel Burgeson, Newman University
  - *The Kaprekar Process in Other Number Bases*

Student Talks, Ward Science 102

- Mark Norfleet, Kansas State University
  * *Some basic results on strong divisibility sequences of polynomials that satisfy a linear recurrence relation.*

- Doug Joseph, Pittsburg State University
  An overview of Bernoulli numbers

- Ryan Moore, Ottawa University
  * *"The No-7s Series"—a look at the harmonic series with all terms containing the digit 7 deleted.*

10:00 A.M.   Break

10:15 A.M.   Talks, Ward Science 101

- Elwyn Davis, Pittsburg State University
  How EXCEL can be used to do almost all of the operations which we rely on calculators to do. These operations include graphing a function and matrix operations.

- Jeff Poet, Ottawa University
  Super-magic labelings of constellation graphs—a generalization of magic squares

- Tadeusz Dobrowolski, Pittsburg State University
  A generalization of the classical Sperner Lemma is used to show that a rectangle, partitioned into baby rectangles with integral sides, has itself an integral side.

Student Talks, Ward Science 102

- Mindy Baker, Emporia State University
  Mathematical Games

- Leah McBride, Emporia State University
  Complex Numbers in Plane Geometry

- Allison Fairburn, Emporia State University
  Continued Fractions

11:15 A.M.   Talks, Ward Science 101

- •Mohammad Riazi-Kermani, Fort Hays State University
  The Most Efficient Quadrature

- •Cynthia Woodburn, Pittsburg State University
  A look at optical illusions by artist Dick Termes. These spherical paintings, called Termespheres, utilize 6-point perspective to create the illusion of viewing physical places from the inside-out.

Panel Discussion, Ward Science 102
Capstone Experiences

12:00 P.M.   Lunch, Mowbray Union

Keynote Address, Mowbray Union

- •Richard Rempel and Monica Meissen, Bethel College
  A European mathematical history tour.

1:30 P.M.   Talks, Ward Science 101

- •Elizabeth Berman-Appelbaum, Blue Valley School District
  Conic sections in art and nature, with special attention to bridges.

Talks, Ward Science 102

- •Andy Bennett, Kansas State University
  Roman numerals are often considered ill suited to computation. Discussion of how to compute with Roman numerals.

- •Glenn Adamson, Benedictine College
  Catalan Numbers

2:10 P.M.   MAA Business Meeting, Ward Science 101

KAMATYC Business Meeting, Ward Science 102

If you have any questions, please contact Dr. Jeff Poet or any student wearing a black OU Math polo shirt.

Ottawa University Campus Map

NINTH STREET

CEDAR STREET

MULBERRY STREET

ELEVENTH STREET

Parking

Parking

Union

Ward Science

Martin Hall