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April Meeting of the Indiana Section

D. E. Wilson (Secretary)

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NOVEMBER MEETING OF THE INDIANA SECTION

The fall meeting of the Indiana Section of the MAA was held at Indiana University-Purdue University at Indianapolis, on Saturday, November 30, 1974, with approximately 60 persons in attendance. The Chairman of the Section, Maynard Thompson of Indiana University, presided.

S. Abhyanker of Purdue University gave the invited address, "Historical Ramblings in Algebraic Geometry and Related Algebra."

The following papers were presented:

1. *Cohomology with multiple-valued functions applied to fixed point theory*, by T. J. Worosz, Wabash College.
2. *On a new definition of the Lebesgue integral*, by Herman Rubin, Purdue University.
3. *On the improvement of convergence of certain series*, by A. K. Naghdi, IUPUI.
4. *Giffen's paradox or an exercise in multivariate calculus*, by David Bash, Purdue University, Fort Wayne.
5. *Irreducible factors of various polynomials*, by Clark Kimberling, University of Evansville.
6. *Abstract algebra and finite-state machines*, by Judith Gersting, IUPUI.
7. *Distribution theory — an example of the evolution of a mathematical concept*, by John Synowiec, Indiana University Northwest.
8. *On the transfer homomorphism*, by Larry Schiefelbusch, Indiana University Northwest.
9. *Extensions of Haar measure to a nonmeasurable subgroup of finite index*, by H. L. Peterson, Indiana University Northwest.
10. *Rest points, tangent circles, and the rational number line*, by R. T. Hood, Franklin College.

During the lunch break, the film, "Regular Homotopies in the Plane," was shown.

D. E. WILSON, *Secretary*

APRIL MEETING OF THE INDIANA SECTION

The spring meeting of the Indiana Section of the MAA was held at Purdue University, Fort Wayne, on Saturday, April 26, 1975, with approximately 45 persons in attendance. The Chairman of the Section, Maynard Thompson of Indiana University, presided.

The invited addresses were:

1. *Some new thoughts on teaching statistics*, by Meyer Dwass, Northwestern University.
2. *Langford sequences*, by D. P. Roselle, Virginia Polytechnic Institute.

The following papers were presented:

1. *Local degree computation by methods direct and devious*, by D. R. McCarthy, Purdue University, Fort Wayne.
2. *Networks as models for human behavior*, by R. D. Ringeisen, Purdue University, Fort Wayne.

L. J. Cote, Purdue University, awarded prizes to Laura Chihara, Highland High School, and R. A. Dwyer, Yorktown High School, for solving problems appearing in the Indiana School Mathematics Journal.

During the lunch break, the film, "Unsolved Problems (Victor Klee)," was shown.

At the business meeting, memberships in the MAA were awarded to J. H. Boyd III, Indiana University, and R. S. Gumerlock, Notre Dame, in recognition of their performances on the Putnam examination.

P. T. Mielke, Wabash College, gave the Governor's report, and Maynard Mansfield, Purdue University, Fort Wayne, was introduced as the new Governor of the Section.

Earl McKinney, Ball State University, as chairman of the Nominating Committee, presented the following slate of officers for 1975-76 (which was unanimously approved): Chairman, R. T. Hood, Franklin College; Vice-Chairman, M. C. Gemignani, Indiana University-Purdue University at Indianapolis; Secretary-Treasurer, D. E. Wilson, Wabash College.

D. E. WILSON, *Secretary*