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October Meeting of the Indiana Section

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MATHEMATICAL ASSOCIATION OF AMERICA

Official Reports and Communications

OCTOBER MEETING OF THE OHIO SECTION

The Ohio Section of MAA held its fall meeting at John Carroll University, University Heights, Ohio, October 17-18, 1980. One hundred and forty-five people registered for the meeting. Section Chairman C.A. Long presided; D.J. Horwath was the program chairman.

Invited addresses included: *Recent Implications of the Work of L.J. Rogers*, by G.E. Andrews, The Pennsylvania State University; and *An Introduction to Coding Theory*, by D.K. Ray-Chaudhuri, the Ohio State University

The following contributed papers were also presented:

Bayes' Discrete Data Analysis, J. Albert and A. Gupta, Bowling Green State University
A Report on (P and Q) Polynomial Association Schemes, E. Bannai, Ohio State University
Projective Concepts in Torsion Theories, A. Benander, John Carroll University
Finite Sigma-length in Torsion Theories, A. Benander, John Carroll University
Experiments in the Classroom--Using "Dots" to Determine Area, K.B. Cummins, Kent State University
A Model of Epidemics in Third World Children, P.J. Gingo, University of Akron
Regular Graphs with Small Excess, T. Ito, Ohio State University
A Finite Mathematics Problem Arising from Multiprocessing, Sr. T.M. McCloskey, Notre Dame College
Centers and Centroids in Graphs, Z. Miller, Miami University
Automorphism Groups of Graphs with Pendant Vertices and the Ulam Graph Reconstruction Problem, N. Robertson, Ohio State University
6-Flows on Graphs, P.D. Seymour, Ohio State University
Glimpses of Malawi, Africa, J.L. Smith, Muskingum College
Finite Optimization Algorithms in Operations Research and Graph Theory, D. Solow, Case Western Reserve University

The meeting agenda also included meetings of The Executive Committee and of ad hoc committees--Committee on Curriculum, Committee on Section Activity, and Committee on Teacher Training and Certification. Breakfast meetings were also held by the MAA Ohio Section campus representatives, and by The Association of Women in Mathematics.

Meeting highlights included discussion sessions and special presentations. *A Panel Discussion: The Computer Science Curriculum* was conducted by Z.A. Karian, Denison University (moderator); L. Ben-ners, Western Electric Corp., Columbus; and L. White, Ohio State University. *A Special Session: Algebraic Graph Theory* was moderated by N. Robertson, Ohio State University. *"Swap" Session* presentations included: *Ways of Attracting High School Students to the Study of Mathematics*, moderated by J.A. Engle, Ohio State University; *Pre-Calculus Mathematics*, moderated by H.L. Putt, University of Akron; and *Video Cassettes for Supplementary Instruction*, Moderated by C.P. Yang, Miami University, Middletown. Also, a special Biographies-of-Great-Mathematicians lecture was presented: *Lewis Carroll*, by R.J. Kolesar, John Carroll University.

The officership and committee chairmanships for academic year 1980-81 include: *Executive Committee*--C.A. Long (Bowling Green State University), Section Chairman; D.O. Koehler (Miami University) Section Past-Chairman; G. Mavrigian (Youngstown State University), Secretary-Treasurer; S.W. Hahn (Wittenberg University), Sectional Governor; D.J. Horwath (John Carroll University), Program Committee Chairman; and J.D. Fairies (Youngstown State University). Program Committee--D.J. Horwath, Chairman; A.G. Poorman (Ashland College); and J.P. Leitzel (Ohio State University). *Ad Hoc Committee Chairmen*--Committee on Curriculum: H.L. Putt (University of Akron). Committee on Computing: Z.A. Karian (Denison University). Committee on Section Activity: P.H. Schmidt (University of Akron). Committee on Teacher Training and Certification: W.A. Kirby (Bowling Green State University). Publications Officer and Newsletter Editor: R.A. Little (Baldwin-Wallace College). Representative to the Two-Year College Mathematics Journal: C.P. Yang (Miami University, Middletown). High School Mathematics Competition Supervisor: L.J. Schneider (John Carroll University).

Professor L.J. Schneider was in charge of meeting arrangements for the host institution.

OCTOBER MEETING OF THE INDIANA SECTION

The fall meeting of the Indiana Section of the MAA was held at DePauw University on Saturday, October 18, 1980, with 60 members present. The chairman of the Section, Duane Deal of Ball State University, presided.

The following papers were presented:

The Geometry of Vision and Visual Illusions, Wayne M. Zage, Ball State University
How Napier Computed His Table of Logarithms, Meyer Jerison, Purdue University
Can a Mathematician Find Happiness in the Computing Field? William A. Marion, Valparaiso University
Computer Graphics: A Review of the Present State of the Art, Mario Borelli, Notre Dame University
The Hudson-Nash Merger and the Equations of Thermodynamics, Dennis G. Collins, Valparaiso University
Crime by Computer, Michael C. Gemignani, Indiana University-Purdue University at Indianapolis