October Meeting of the Indiana Section

P. T. Mielke (Secretary)

OCTOBER MEETING OF THE INDIANA SECTION

The fall meeting of the Indiana Section of the Mathematical Association of American was held at Evansville College, Evansville, on Friday, October 19, 1962, in conjunction with the annual meeting of the Indiana Academy of Science. Forty seven persons attended, including 18 members of the Association. Professor John Yarnelle of Hanover College presided at the morning session, which included one short paper and a panel discussion on the question, *Should a course in calculus be a regular part of the high school curriculum?* Panelists were Edna E. Vinson, Mathematics Coordinator for the city schools of Evansville and Head of the mathematics department of Harrison High School; Professor G. N. Wollan of Purdue University; and Professor P. T. Mielke of Wabash College.

Professor Ernst Snapper of Indiana University presided at the afternoon session, which included a business meeting and an invited hour address by Professor J. C. Lillo of Purdue University. Professor Lillo's subject was, *An Introduction to the Stability Theory of Differential Equations.*

Professor J. C. Polley of Wabash College reported during the business meeting that he had been asked by Professor C. O. Oakley to coordinate the Association's Secondary School Lecturers Program for the schools of Indiana and Ohio during the next two years.

The following short paper was presented at the morning session:

1. *Bi-angular coordinates: the N-sectrix*, by Mr. Myron Effing, Evansville College.

Pairs of numbers are shown to locate points in a plane by use of a coordinate system in which the variables are angles. The locus of the equation of the first degree (of the "N-sectrix") divides any angle into any desired number of parts. Graphing is easily accomplished by means of a general relation which yields the number and location of asymptotes. A conversion to rectangular coordinates proves the derivation of the circle, hyperbola, trisectrix of Maclaurin, the trisectrix, Freeth's nephroid, Freeth's super-trisectrix, and others, as members of the N-sectrix family.

P. T. MIELKE, *Secretary*

NOVEMBER MEETING OF THE MINNESOTA SECTION

The annual fall meeting of the Minnesota Section of the Mathematical Association of America was held on November 3, 1962, at Bemidji State College of Bemidji, Minnesota. Professor P. M. Grabarkewitz, Bemidji State College, presided at the morning session, and the Section Chairman, Professor W. J. Thomsen, Mankato State College, presided at the afternoon session. There were 81 persons registered for the meeting, of whom 53 were members of the Association.

During the business meeting, the following resolution was passed: Whereas the Advisory Committee of the State Board of Education is now preparing new guidelines for teacher education in mathematics, and whereas the Committee on the Undergraduate Program in Mathematics of the Mathematical Association of America has prepared recommendations for the training of mathematics teachers at the elementary, junior high, and high school level which are both realistic and in accord with the contemporary knowledge, therefore, be it resolved that the Minnesota Section of the Mathematical Association of America, meeting at Bemidji State College, urges that the C.U.P.M. recommendations be incorporated in the guidelines for teacher training in Minnesota; and be it further resolved that we urge that similar action be taken in other states.

Also passed during the business meeting was a motion empowering the Section Chairman to appoint a Committee which will be concerned with the implementation of the recommendations of C.U.P.M. for the training of elementary school teachers.