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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 INDIANA SECTION

The fall meeting of the Indiana Section of the MAA was held on October 24, 1970, at Wabash College, Crawfordsville. About 70 persons attended, of whom 65 were members of the Association.

A welcome was extended by the Chairman of the Section, Professor W. C. Swift. The morning session consisted of an address by Professor R. E. Zink, Purdue University, "On the Representation of Measurable Functions by Series." This was followed by a presentation and discussion of the question of accreditation of departments of mathematics and certification of graduates, led by Professor B. E. Rhoades, Indiana University, and Professor R. G. Bartle, University of Illinois. Despite the efforts at impartiality on the part of the panel, there was no enthusiasm for the proposal among those present. One letter from an absent member supporting the proposal was read.

At the afternoon business meeting the Chairman announced his intention to appoint a committee to revise the by-laws of the Section. Following the business meeting, Professor W. P. Ziemer, Indiana University, gave an address entitled, "Some Recent Developments in the Plateau Problem."

R. T. HOOD, *Secretary-Treasurer*

#### NOVEMBER MEETING OF THE NORTH CENTRAL SECTION

The annual fall meeting of the North Central Section of the MAA was held at the North Dakota State University, Fargo, on November 7, 1970. Professors Robert Tidd and Charles Friese, of North Dakota State University, presided at the morning sessions and Professor Alfred Aeppli, University of Minnesota, presided at the afternoon session. One hundred thirty persons attended, including one hundred three members.

Professor I. N. Herstein, University of Chicago, gave the invited address: "Mappings Related to Homomorphisms."

Other papers presented were:

1. *Computer Supplemented Finite Algebra*, by J. F. Peters, Saint John's University, Collegeville, Minnesota.
2. *A Determinant for the Hermite Polynomial  $H_n(x)$* , by F. J. Arena, North Dakota State University, Fargo, North Dakota.
3. *Distributions whose Test Functions are Sequences*, by Clayton Knoshaug, Bemidji State College, Bemidji, Minnesota.
4. *Dirichlet Series Obtained by Iteration*, by George Brauer, University of Minnesota, Minneapolis, Minnesota.
5. *Convex Functions and Differential Inequalities*, by R. M. Mathsen, North Dakota State University, Fargo, North Dakota.
6. *The Distribution of Quadratic Residues in Fields of Order  $p^2$* , by G. E. Bergum, South Dakota State University, Brookings, South Dakota.
7. *If  $T$  is a Torsion Group,  $\text{HOM}(T, G)$  is Algebraically Compact*, by Milton Legg, Moorhead State College, Moorhead, Minnesota.
8. *Algebraic Closure: a Non-Standard Approach*, by L. C. Larson, St. Olaf College, Northfield, Minnesota.
9. *Factoring Functions on Cartesian Products*, by Milton Ulmer, Macalester College, St. Paul, Minnesota.
10. *Rational Numbers Generated by Two Integers*, by G. A. Heuer, Concordia College, Moorhead, Minnesota.