

THE APRIL MEETING OF THE CHICAGO SECTION.

THE seventh regular meeting of the Chicago Section of the AMERICAN MATHEMATICAL SOCIETY was held at Northwestern University, Evanston, Ill., on Saturday, April 14, 1900. The morning session was called to order at ten o'clock, by Professor E. H. Moore, Vice-President of the Society.

The following members were present :

Professor E. W. Davis, Professor Thomas F. Holgate, Mr. H. G. Keppel, Dr. Kurt Laves, Professor H. Maschke, Professor E. H. Moore, Professor James B. Shaw, Professor E. B. Skinner, Dr. H. F. Stecker, Professor H. S. White, Professor J. W. A. Young.

Professor James B. Shaw was elected chairman for the meeting, which extended through a forenoon and an afternoon session.

Papers were presented as follows :

- (1) Professor E. H. MOORE : "Evaluation of an important determinant of special form."
- (2) Professor H. MASCHKE : "A new method of determining the differential parameters and invariants of quadratic differential quantities."
- (3) Mr. ROBERT E. MORITZ : "On the transcendency of π ."
- (4) Dr. H. F. BLICHFELDT : "Note on the functions of a given class which in a given interval differ the least possible from zero."
- (5) Dr. KURT LAVES : "Maupertuis's principle of least action for forces involving the coordinates and their first and higher differential quotients."
- (6) Professor MARTIN KRAUSE : "On systems of differential equations which are satisfied by quadruply periodic functions."
- (7) Professor JAMES B. SHAW : "Multiple algebra."
- (8) Professor E. W. DAVIS : "A graphic method for the solution of systems of linear equations."
- (9) Professor L. E. DICKSON : "Determination of an abstract group of order $2^7.3^6.5.7$ holoedrally isomorphic with a certain orthogonal group and with a certain hyperabelian group."
- (10) Professor E. H. MOORE : "On the generational determination of abstract groups."
- (11) Professor H. B. NEWSON : "On the group of 216 collineations of the plane."