

### THE TENTH REGULAR MEETING OF THE SOUTHWESTERN SECTION.

THE tenth regular meeting of the Southwestern Section was held at the University of Kansas, at Lawrence, on Saturday, December 2, 1916. About thirty persons were in attendance, among them the following twenty-three members:

Professor C. H. Ashton, Professor A. A. Bennett, Professor Henry Blumberg, Professor W. C. Brenke, Professor P. J. Daniell, Professor E. W. Davis, Professor I. M. DeLong, Professor E. P. R. Duval, Professor W. H. Garrett, Professor W. A. Harshbarger, Professor E. R. Hedrick, Professor O. D. Kellogg, Professor S. Lefschetz, Dr. G. H. Light, Mr. W. A. Luby, Professor U. G. Mitchell, Professor Mary W. Newson, Professor S. W. Reaves, Dr. Paul R. Rider, Professor W. H. Roever, Mr. L. L. Steimley, Professor E. B. Stouffer, and Professor J. N. Van der Vries.

Attending members were very hospitably entertained at a smoker on the evening before the meeting, and at lunch between the sessions, at the University Club. It was decided that the next meeting of the Section should be held at the University of Oklahoma, at Norman, on December 1, 1917. The following programme committee was appointed: Professors S. W. Reaves (chairman), Henry Blumberg, O. D. Kellogg (secretary).

The following papers were presented:

- (1) Professor A. A. BENNETT: "Newton's method in general analysis."
- (2) Professor S. LEFSCHETZ: "Double integrals of the second kind belonging to an algebraic surface."
- (3) Professor S. LEFSCHETZ: "On the residues of double integrals belonging to an algebraic surface."
- (4) Dr. P. R. RIDER: "A note on discontinuous functions in the calculus of variations."
- (5) Professor W. H. ROEVER: "Series for computing the roots of the equation  $x + p \tan x = 0$ ."
- (6) Professor E. B. STOFFER: "On the calculation of invariants and covariants of linear homogeneous differential equations."