

$\frac{2}{3}\sqrt{n}$. This is based upon the fact that two non-commutative substitutions of degree u cannot have less than $\frac{1}{3}u$ letters in common. Professor Manning called attention to the case in which at least one of the substitutions of degree u in the group is of order 2. Here two non-commutative substitutions of degree u have at least $\frac{1}{2}u$ letters in common, from which he concludes that u is greater than $\frac{1}{2}(n - \sqrt{n}) - 1$.

THOMAS BUCK,
Secretary of the Section.

THE SEVENTH REGULAR MEETING OF THE SOUTHWESTERN SECTION.

THE seventh regular meeting of the Southwestern Section of the Society was held at the University of Missouri, Columbia, Mo., on Saturday, November 29, 1913. About twenty-five persons attended the meeting, including the following sixteen members of the Society:

Professor L. D. Ames, Professor C. H. Ashton, Dr. Henry Blumberg, Professor W. C. Brenke, Professor E. W. Davis, Dr. E. L. Dodd, Dr. Otto Dunkel, Professor E. R. Hedrick, Professor Louis Ingold, Professor O. D. Kellogg, Dr. A. J. Kempner, Professor W. H. Roever, Professor H. E. Slaughter, Professor J. N. Van der Vries, Miss Eula Weeks, Professor W. D. A. Westfall.

The morning session opened at 10.30 A.M. and the afternoon session at 2 P.M. Professors Hedrick and Slaughter presided. It was decided to hold the next meeting of the Section at the University of Nebraska on November 28, 1914. The following programme committee was elected: Professor E. W. Davis (chairman), Dr. S. Lefschetz, Professor O. D. Kellogg (secretary). Those present attended a smoker at the house of Professor Kellogg on the evening before the meeting.

The following papers were presented:

- (1) Professor W. C. BRENKE: "An example of Abel's integral equation with discontinuous solution."
- (2) Professors E. R. HEDRICK and LOUIS INGOLD: "Generalization of Taylor's series."
- (3) Dr. S. LEFSCHETZ: "Double integrals of the third kind attached to an algebraic variety."