

## THE NINETEENTH REGULAR MEETING OF THE SOUTHWESTERN SECTION

The nineteenth regular meeting of the Southwestern Section of the Society was held at the University of Nebraska on Saturday, November 27, 1926. Visiting members were entertained at the University Club on the Friday evening before the meeting. The morning and afternoon sessions on Saturday were presided over by Professor W. C. Brenke.

The total attendance at the meetings was twenty-five, among whom were the following eighteen members of the society.

Ashton, Brenke, Candy, Collins, J. T. Colpitts, Congdon, Doole, G. C. Evans, Gaba, Gouwens, F. S. Harper, Holl, Louis Ingold, J. V. McKelvey, Pierce, Runge, Sherer, J. S. Turner.

The morning session closed with an extended paper, *A survey of discontinuous boundary value problems for Laplace's equation in two dimensions*, by Professor Griffith C. Evans of Rice Institute. This paper was presented by invitation of the program committee.

At the close of the afternoon session, which was devoted to the reading of further papers, a resolution was passed thanking the Department of Mathematics of the University of Nebraska for their hospitality. The section also extended a vote of thanks to Professor Evans for his address.

Abstracts of the papers presented at this meeting, except the extended paper mentioned above, are given below. The papers by Anderson, Ettlinger, and Wahlin were read by title. Mr. Atanasoff was introduced by Professor E. S. Allen.

1. Professor D. L. Holl: *A solution of  $\nabla^4 = 0$  occurring in the problem of viscous fluid motion.*

The problem of viscous incompressible fluid motion is the problem of determining a function  $\psi$  satisfying  $\nabla^4\psi = 0$  in the region considered and subject to a given set of boundary conditions. In this paper a solution