THE SEPTEMBER MEETING OF THE
SAN FRANCISCO SECTION

The forty-second regular meeting of the San Francisco Section of the American Mathematical Society was held at the University of Southern California, Los Angeles, on September 18, 1923. Professor Cajori, chairman of the section, opened the meeting and presided until the election of the new chairman. The attendance included the following seventeen members of the Society:

Bateman, Cajori, A. F. Carpenter, Daus, Glazier, Hoskins, Glenn James, F. R. Morris, Russell, Sherwood, Showman, Steed, Touton, Wear, Willett, Winger, Wolfe.

The election of officers for the ensuing year resulted as follows: Chairman, Professor A. F. Carpenter; Secretary-Treasurer, Professor B. A. Bernstein; Program Committee, Professors B. A. Bernstein, D. N. Lehmer, E. T. Bell.

Titles and abstracts of the papers read at this meeting follow below. The papers of Professor Bell, Griffin, and Porter, and Mr. Romig were read by title. Mr. Romig was introduced by Professor Cajori.

1. Professor E. T. Bell: *Notes on recurring series of the third order.*

Important new historical material regarding the u, v of Lucas is given in the first part of this paper. The remainder is devoted to the algebra of the three linearly independent functions defined by a recurrence relation of the third order. The most general possible addition theorems for each of the functions are obtained. By slight changes in notation all results of the paper can be extended at once to series of order $n > 3$. As was to be expected, the results are much more complicated than those for Lucas' functions. There are a few applications to Diophantine analysis.

2. Professor E. T. Bell: *Analogies between elliptic functions and the u, v of Lucas.*

This paper appeared in full in the November, 1923, number of this BULLETIN.