

8. H. Blumberg, "New properties of all functions."
9. E. B. Van Vleck, "On non-loxodromic substitution groups in  $n$  dimensions."
10. G. A. Miller, "An overlooked infinite system of groups of order  $pq^2$ ,  $p$  and  $q$  being prime numbers."
11. L. E. Dickson, "Fallacies and misconceptions in diophantine analysis."
12. L. E. Dickson, "A new method in diophantine analysis."
13. T. H. Hildebrandt, "On a general theory of functions—preliminary communication."
14. A. Dresden, "Some new formulæ in combinatory analysis."
15. J. B. Shaw, "Generational definition of linear associative hypernumbers."
16. J. B. Shaw, "On Hamiltonian products—Second paper."
17. F. E. Wood, "Congruences characterized by certain coincidences."
18. E. P. Lane, "A general theory of congruences."
19. J. Eiesland, "The group of motions of an Einstein space."

Professor Schwatt's papers were presented by Professor Dunham Jackson; Mr. MacDuffee was introduced to the society by Professor L. E. Dickson and Professor Wood by Professor Wilczynski; the papers of Professors Miller and Lane were read by title. Professor Bliss, president of the society, presided at the meeting of Friday afternoon. The other sessions were presided over by Professor R. D. Carmichael, chairman of the Chicago Section, relieved on Saturday by Professor Dunham Jackson, vice-president of the society.

ARNOLD DRESDEN,  
*Secretary of the Chicago Section*

## THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

### PACIFIC DIVISION

#### 1. REPORT OF THE SECRETARY-TREASURER FOR THE CALENDAR YEAR ENDING DECEMBER 31, 1920

January 1, 1920, Cash balance..... \$524.72  
*Receipts*

Received from the Permanent			
Secretary's office .....	\$1,764.00		
Affiliated societies .....	115.00		
Dues and fees .....	272.00	\$2,151.00	
		\$2,675.72	

#### *Expenditures*

Dues remitted to Permanent			
Secretary's office .....	\$141.00		
Supplies .....	18.00		
Salary, 1920 .....	825.00		
Salary, 1919 .....	75.00		
Office assistance .....	300.00		
Postage and express .....	37.67		
Telephone and telegraph ....	8.20		
Expense, general .....	5.40		
Expense, travel .....	208.50		
Printing .....	133.40		
Membership campaign .....	76.25	\$1,828.42	
January 1, 1921, Cash balance.....	\$847.30		

#### 2. BALANCE SHEET, DECEMBER 31, 1920

##### *Assets*

Equipment .....	\$235.73		
Cash on hand .....	847.30		
		\$1,083.03	

##### *Liabilities*

Permanent Secretary's office .....	\$747.30		
Investment (equipment) .....	235.73		
Sundry creditors account .....	100.00		
		\$1,083.03	

#### 3. SUMMARY OF ANNUAL DISBURSEMENTS FOR THE YEAR 1920

Supplies .....	\$18.00		
Salary .....	900.00		
Office assistance .....	300.00		
Postage and express .....	37.67		
Telephone and telegraph ....	8.20		
Expense, general .....	5.40		
Expense, travel .....	208.50		
Printing .....	133.40		
Membership campaign .....	76.25	\$1,687.42	

These disbursements have been  
made from funds derived  
as follows:

Affiliated societies (assess- ments) .....	115.00		
Initiation fees .....	163.00		
Receipts from the Permanent			
Secretary's office .....	1,409.42	\$1,687.42	

W. W. SARGEANT,  
*Secretary, Pacific Division*