

- Arts. 1-14. Definitions and Elementary Properties of the Theta, Omega, and Elliptic Functions.  
 15-23. Arithmetical Theory of Binary Matrices.  
 24-34. The Transformation of the Theta and Omega Functions.  
 35-45. Geometrical Representation of Binary Quadratic Forms.  
 46-51. Geometrical Representation of the Modular Functions  $\Phi\omega$  and  $\Psi\omega (= \phi^s\omega, \psi^s\omega)$ .  
 52-58. The Modular Equation.  
 59-62. The Equation of the Multiplier.  
 63-73. The Modular Curves.  
 74-82. Theory of the Modular Functions  $\phi\omega$  and  $\psi\omega$ .  
 83-88. Theory of the Modular Function  $T\omega = (1 - \chi^{2^s}\omega)^2 \div \chi^{2^s}\omega$ .  
 89-90. The Differential Equation of the Modular Equations and Curves (this last section somewhat incomplete).

A good deal of the same ground is gone over in Weber's *Elliptische Functionen und Algebraische Zahlen* (8vo, Brunswick, 1891), a work which exhibits in a very compendious form the higher parts of the theory of Elliptic Functions, and which well deserves to be carefully studied.

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NOTES.

THE Annual Meeting of the AMERICAN MATHEMATICAL SOCIETY was held in New York on Friday afternoon, December 28, at three o'clock. There were seventeen members present. In the absence of the president and vice-president, Professor R. S. Woodward occupied the chair. Reports were presented by the secretary and treasurer. The secretary stated that the membership of the Society was 251. The average attendance at the ordinary meetings during the year had been 16, the attendance at the last annual meeting 24, and that at the summer meeting 22. The number of members who had attended at least one meeting was 60. An auditing committee was appointed to examine the treasurer's accounts.

The annual election being then in order, the chair appointed Dr. Blake and Dr. Stabler tellers. Upon examining the ballots cast in person and by mail, they announced that the following ticket had been elected :