

**TWENTY-SIXTH AND TWENTY-SEVENTH ANNUAL REPORTS  
OF THE STATE GEOLOGIST.**

IOWA GEOLOGICAL SURVEY,  
DES MOINES, DECEMBER 31, 1918.

*To Governor William L. Harding and Members of the Geological Board:*

GENTLEMEN: I transmit to you herewith a comprehensive report on Gypsum by Dr. Frank A. Wilder, and a report on the Mineral Production in Iowa for 1917 and 1918 by Dr. James H. Lees. I recommend that these two papers be published as Volume XXVIII of the Survey. This Volume will constitute the Twenty-Sixth and Twenty-Seventh Annual Reports of the Iowa Geological Survey.

Respectfully submitted,

GEORGE F. KAY.

*State Geologist.*

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 309

LECTURE 10

THE QUANTUM THEORY OF LIGHT

1. THE PHOTOELECTRIC EFFECT

2. THE COMPTON EFFECT

3. THE DE BROGLIE HYPOTHESIS

4. THE SCHRÖDINGER EQUATION

5. THE HEISENBERG UNCERTAINTY PRINCIPLE

6. THE QUANTUM THEORY OF ATOMS

7. THE QUANTUM THEORY OF MOLECULES

8. THE QUANTUM THEORY OF SOLIDS

9. THE QUANTUM THEORY OF RADIATION

10. THE QUANTUM THEORY OF PARTICLES

11. THE QUANTUM THEORY OF FIELDS

12. THE QUANTUM THEORY OF GRAVITY

13. THE QUANTUM THEORY OF COSMOLOGY

14. THE QUANTUM THEORY OF INFORMATION

15. THE QUANTUM THEORY OF COMPUTATION

16. THE QUANTUM THEORY OF COMMUNICATION

17. THE QUANTUM THEORY OF SECURITY

18. THE QUANTUM THEORY OF CRYPTOGRAPHY

19. THE QUANTUM THEORY OF NETWORKS

20. THE QUANTUM THEORY OF SYSTEMS

21. THE QUANTUM THEORY OF CONTROL

22. THE QUANTUM THEORY OF DESIGN

23. THE QUANTUM THEORY OF MANUFACTURING

24. THE QUANTUM THEORY OF SERVICE

25. THE QUANTUM THEORY OF SUPPORT

26. THE QUANTUM THEORY OF MAINTENANCE

27. THE QUANTUM THEORY OF REPAIR

28. THE QUANTUM THEORY OF REPLACEMENT