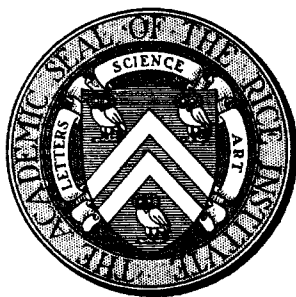


THE  
RICE INSTITUTE  
PAMPHLET

Vol. XX

January, 1933

No. 1



Published by

THE RICE INSTITUTE

A university of liberal and technical learning  
founded by William Marsh Rice in the City  
of Houston, Texas, and dedicated by him to  
the advancement of Letters, Science, and Art



## CONTENTS

	PAGE
<p>THE LATER SCIENTIFIC WORK OF HENRI POINCARÉ—                      Lectures delivered at the Rice Institute in May, 1925, with subsequent additions, by PROFESSOR J. HADAMARD, of the Collège de France and the École Polytechnique, in continuation of a series of lectures on the Early Scientific Work of Henri Poincaré, delivered at the Rice Institute in March, 1920, by Professor Hadamard, and published in the Rice Institute Pamphlet, Vol. IX, No. 3, July, 1922.</p>	
I. Introduction . . . . .	1
II. The Theory of Centers . . . . .	9
III. Equations of Higher Degree and the Intervention of Analysis Situs . . . . .	29
IV. The Case of the Torus . . . . .	42
V. Higher Differential Equations: Singular Points and the Theorem of Kronecker . . . . .	55
VI. The Introduction of Periodic Solutions . . . . .	59
VII. Work on Point Transformations after Poincaré . . . . .	80
<p>THREE PUBLIC LECTURES ON MODERN PHYSICS—                      Delivered at the Rice Institute in March, 1932, by PROFESSOR ARTHUR H. COMPTON of the University of Chicago.</p>	
I. What Things Are Made of . . . . .	87
II. What Is Light? . . . . .	102
III. The Riddle of Cosmic Rays . . . . .	118

