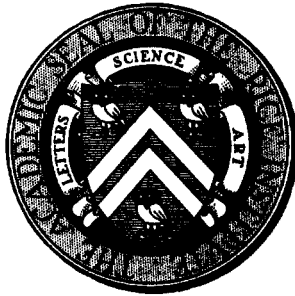


THE  
RICE INSTITUTE  
PAMPHLET

VOLUME TWENTY-ONE



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

## VOLUME XXI

### No. 1. JANUARY, 1934

	PAGE
SOME FACTORS IN THE MAKING OF THE COMPLETE CITIZEN—A course of lectures delivered on the Sharp Foundation of the Rice Institute, March 21, 22, 23, and 24, 1933, by SIR ROBERT FALCONER, K.C.M.G., formerly President of the University of Toronto.	
I. Tradition . . . . .	1
II. The Spirit of Enquiry . . . . .	22
III. The Pursuit of Beauty . . . . .	42
IV. Religion . . . . .	62

### No. 2. APRIL, 1934

CONTEMPORARY AMERICAN MUSIC—Public lectures and lecture-recital delivered, under the auspices of the Rice Institute Lectureship in Music, on the evenings of February 23, 24, and 25, 1933, by HAROLD MORRIS, B.A., M.M., composer-pianist, member of the faculty of the Juilliard School of Music, New York.	
I. Lectures . . . . .	83
II. Lecture-Recital . . . . .	168

### No. 3. JULY, 1934

MUDDY THINKING—An address delivered by DOUGLAS JOHNSON, Ph.D., Professor of Physiography at Columbia University, before the Phi Beta Kappa Society at the Rice Institute, March 16, 1934 . . . . .	171
--	-----

CONTENTS—*Continued*

	PAGE
STUDENT EXPERIENCE AS A DOOR TO RELIGION —A sermon preached to the nineteenth graduating class of the Rice Institute by the REVEREND CHARLES WHITNEY GILKEY, A.M., D.D., Dean of the University Chapel, The University of Chicago . . . . .	185
THE INQUIRING MIND IN A CHANGING WORLD— An address delivered at the nineteenth commencement convocation of the Rice Institute by JOHN CAMPBELL MERRIAM, Ph.D., Sc.D., LL.D., President of the Car- negie Institution of Washington . . . . .	194

No. 4. OCTOBER, 1934

CERTAIN ASPECTS OF MODERN GEOMETRY—A course of three lectures delivered at the Rice Institute on January 8, 11, and 12, 1932, by OSWALD VEBLEN, Ph.D., D.Sc., Professor of Mathematics, The Institute for Ad- vanced Study.	
I. The Modern Approach to Elementary Geometry . . . . .	209
II. Analysis Situs . . . . .	223
III. Modern Differential Geometry . . . . .	237