

PROCEEDINGS  
OF THE  
EDINBURGH  
MATHEMATICAL SOCIETY

---

VOL. XXXIII. (SESSION 1914-15)

---

Reprinted with permission of  
Edinburgh Mathematical Society  
by  
KRAUS REPRINT LTD  
Nendeln, Liechtenstein  
1966

PROCEEDINGS  
OF THE  
EDINBURGH  
MATHEMATICAL SOCIETY

---

VOL. XXXIII. (SESSION 1914-15)

---

Reprinted with permission of  
Edinburgh Mathematical Society  
by  
**KRAUS REPRINT LTD**  
Nendeln, Liechtenstein  
1966

**Printed in Germany**

# INDEX.

---

	PAGE
SYLLABUS of Papers read during Session 1914-15 - -	v
PRESENTS TO THE LIBRARY - - - - -	vii
BLADES, EDWARD.	
On Spheroidal Harmonics - - - -	65
BRYAN, Professor G. H.	
Note on Suspension Bridge Catenaries - - -	31
BURGESS, A. G.	
Determinants connected with the Periodic Solutions of Mathieu's Equation - - - -	122
DOUGALL, Dr JOHN.	
A Theorem on the Contact of Circles leading up to the Theorems of Feuerbach and Hart - -	42
FLINT, H. T.	
Recurrence Formulae for the Functions which re- present Solutions of the Differential Equation :	
$\frac{d^2u}{dx^2} - \alpha^2 u = \frac{\rho(\rho+1)}{x^2} u$ - - - -	107
FORD, L. R.	
(1) On the Roots of a Derivative of a Rational Function	103
(2) On the Oscillation Functions derived from a Discontinuous Function - - - -	139
HUMBERT, PIERRE.	
On a Class of Integral Equations - - -	35
INCE, E. LINDSAY.	
The Elliptic Cylinder Functions of the Second Kind -	2

	PAGE
JEFFERY, J. B.	
On Spheroidal Harmonics and Allied Functions -	118
KNOTT, Dr CARGILL G.	
Quaternion Demonstration of the Theorem of Moments in Rigid Dynamics - - - -	100
LIST OF MEMBERS - - - - -	143
MILNE, ARCH.	
-On the Roots of Confluent Hypergeometric Functions	48
MILNE, Dr WILLIAM P.	
Easy Proof of Von Staudt's Theorem - - -	24
OFFICE-BEARERS - - - - -	1
SOMMERVILLE, Dr D. M. Y.	
Taylor's Cubics associated with a Triangle in Non- Euclidean Geometry - - - -	85
TAYLOR, F. GLANVILLE.	
Two remarkable Cubics associated with a Triangle -	70
WATSON, G. N.	
The Convergence of the Series in Mathieu's Functions	25
WHITTAKER, Professor E. T.	
On a class of Differential Equations whose solutions satisfy Integral Equations - - - -	14