

**THE ROMANCE OF SCIENCE, TIME AND  
TIDE: A ROMANCE OF THE MOON, BEING  
TWO LECTURES DELIVERED IN THE  
THEATRE OF THE LONDON INSTITUTION,  
ON THE AFTERNOONS OF NOVEMBER 19  
AND 26, 1888**

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The Romance of Science, Time and tide: a romance of the moon, being two lectures delivered in the theatre of the London institution, on the afternoons of november 19 and 26, 1888 by Sir Robert S. Ball

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**SIR ROBERT S. BALL**

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VIEW OF THE MOON 200 HOURS AFTER ECLIPSE OF APRIL 4.  
From a photograph by Mr. Lewis M. RICHARDSON.

*Frontispiece.*

*THE ROMANCE OF SCIENCE.*

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# TIME AND TIDE,

*A Romance of the Moon.*

BEING TWO LECTURES DELIVERED  
IN THE THEATRE OF THE LONDON INSTITUTION,  
ON THE AFTERNOONS OF NOVEMBER 19 AND 26, 1892.

BY

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*SECOND EDITION, REVISED.*

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TO  
The Members of the London Institution  
I DEDICATE  
THIS LITTLE BOOK.





## PREFACE.

HAVING been honoured once again with a request that I should lecture before the London Institution, I chose for my subject the Theory of Tidal Evolution. The kind reception which these lectures received has led to their publication in the present volume. I have taken the opportunity to supplement the lectures as actually delivered by the insertion of some additional matter. I am indebted to my friends Mr. Close and Mr. Rambaut for their kindness in reading the proofs.

ROBERT S. BALL.

*Observatory, Co. DUBLIN,  
April 26, 1889.*

## PREFACE TO THE SECOND EDITION.

IN the present Edition I have taken the opportunity of making sundry verbal corrections. I may also remark that the reader is presumed to be acquainted with such ordinary astronomical facts as would be contained in a book of the scope of my little volume *Starland*.

ROBERT S. BALL.

*May 1st, 1892.*