

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

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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 afternoon of November 19 and 26, 1888 by Sir Robert S. Ball

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SIR ROBERT S. BALL

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TIME AND TIDE.



VIEW OF THE MOON TWO DAYS AFTER FIRST QUARTER.
From a photograph by Mr. LEWIS M. RUTHERFORD.

Frontispiece.

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

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AUTHOR OF "STARLAND";

LOWDEAN PROFESSOR OF ASTRONOMY AND GEOMETRY IN THE UNIVERSITY
OF CAMBRIDGE.

SECOND EDITION, REVISED.

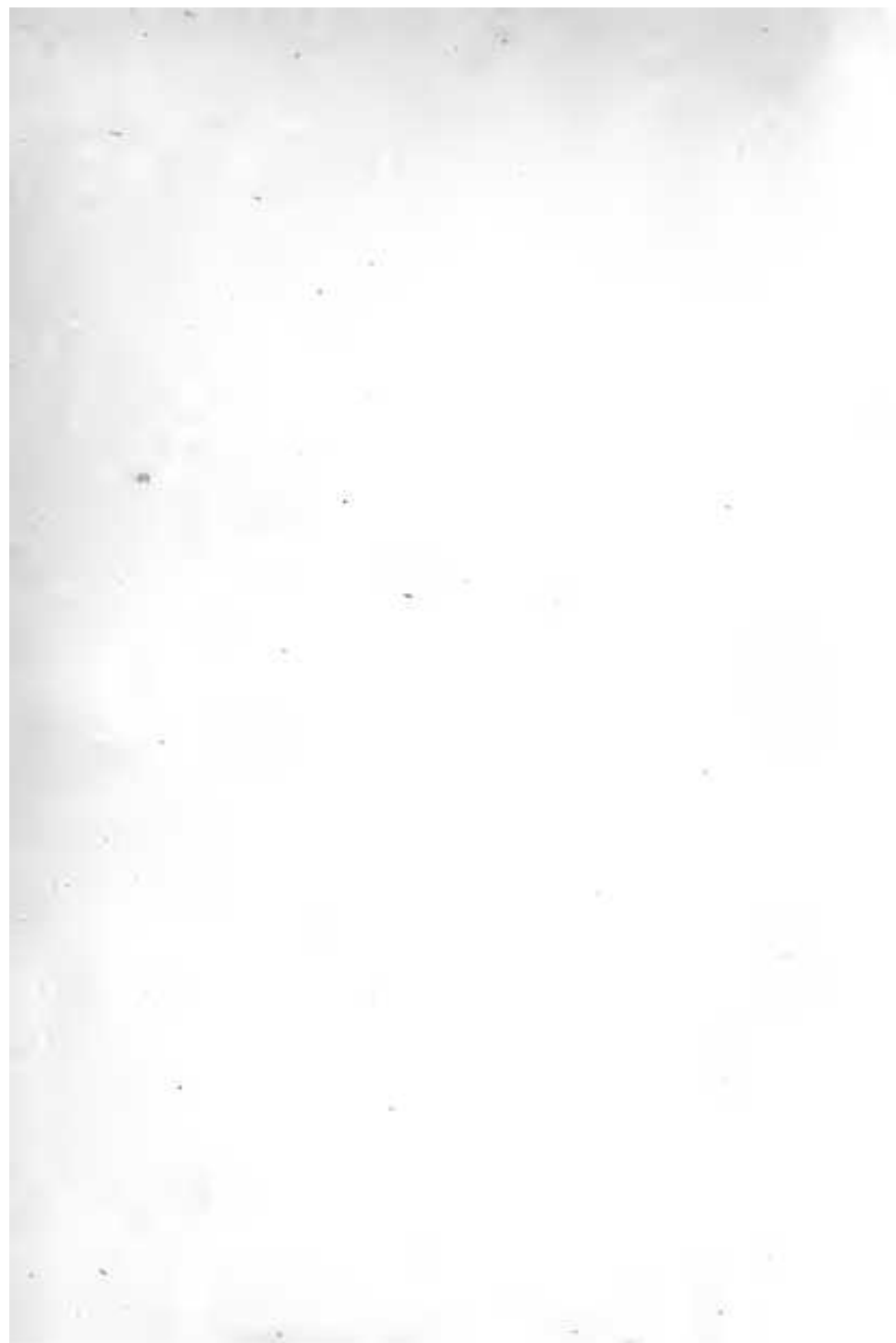
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TO
The Members of the London Institution

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.