

FARADAY AS A DISCOVERER

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649118410

Faraday as a discoverer by John Tyndall

Except for use in any review, the reproduction or utilisation of this work in whole or in part in any form by any electronic, mechanical or other means, now known or hereafter invented, including xerography, photocopying and recording, or in any information storage or retrieval system, is forbidden without the permission of the publisher, Trieste Publishing Pty Ltd, PO Box 1576 Collingwood, Victoria 3066 Australia.

All rights reserved.

Edited by Trieste Publishing Pty Ltd.
Cover @ 2017

This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, re-sold, hired out, or otherwise circulated without the publisher's prior consent in any form or binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser.

www.triestepublishing.com

JOHN TYNDALL

**FARADAY AS
A DISCOVERER**

MICHAEL FARADAY.

LONDON : PRINTED BY
SPOTTISWOODE AND CO., NEW-STREET SQUARE
AND PARLIAMENT STREET

F A R A D A Y

AS

A DISCOVERER.

BY JOHN TYNDALL.

NEW EDITION.

LONDON:
LONGMANS, GREEN, AND CO.
1870.

The right of translation is reserved.

PREFACE
TO
THE SECOND EDITION.



THE EXPERIMENTAL RESEARCHES of Faraday are so voluminous, their descriptions are so detailed, and their wealth of illustration is so great, as to render it a heavy labour to master them. The multiplication of proofs, necessary and interesting when the new truths had to be established, are however less needful now when these truths have become household words in science. I have therefore tried in the following pages to compress the body, without injury to the

spirit, of these imperishable investigations, and to present them in a form which should be convenient and useful to the student of the present day.

While I write, the volumes of the *Life of Faraday* by Dr. Bence Jones have reached my hands. To them the reader must refer for an account of Faraday's private relations. A hasty glance at the work shows me that the reverent devotion of the biographer has turned to admirable account the materials at his command.

The work of Dr. Bence Jones enables me to correct a statement regarding Wollaston's and Faraday's respective relations to the discovery of Magnetic Rotation. Wollaston's idea was to make the wire carrying a current rotate round its own axis: an idea afterwards realized by the

celebrated Ampère. Faraday's discovery was to make the wire carrying the current revolve round the pole of a magnet, and the reverse.

JOHN TYNDALL.

ROYAL INSTITUTION:
December 1869.

