## THE STORY OF THE STARS. SIMPLY TOLD FOR GENERAL READERS

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649524570

The Story of the Stars. Simply Told for General Readers by George F. Chambers

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

**GEORGE F. CHAMBERS** 

# THE STORY OF THE STARS. SIMPLY TOLD FOR GENERAL READERS

Trieste

THE LIBRARY OF USEFUL STORIES

 $\mathbf{h}$ 

2

6

ľ

50

13

ī.

S.

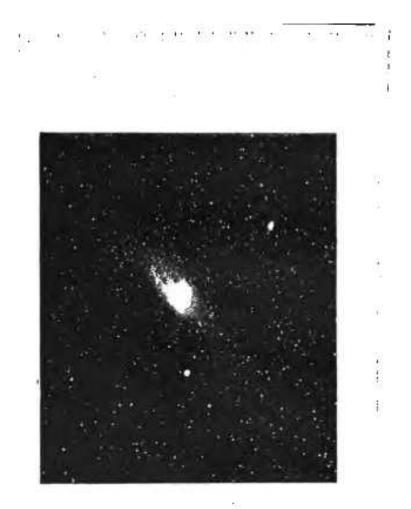
•

Ŭ.

.

2

\*



THE GREAT NURDELA IN ANDROMEDA. (Roberts.)

33

٠

¥3.

### THE

-

٠

20

4.2

12

### STORY OF THE STARS

53

#### SIMPLY TOLD FOR GENERAL READERS

13

## GEORGE FF CHAMBERS, F. R. A. S.

OF THE INDER TENNA, SAKASTER-AT-LAW

AUTHOR OF A HANDBOOK OF DESCRIPTIVE AND PRACTICAL ASTRONOMY, PICTORIAL ASTRONOMY, ETC.

> NEW YORK D. APPLETON AND COMPANY 1895

> > 24 3

18 N

15

25

QB 801 .C444

•

W. Tr. Beman 5- \$3-1923

ĩΰ

0

COPYRIGHT, 1895, By D. APPLETON AND COMPANY.

45

1.25

1

23

#### PREFACE.

, i 0

3

4

æ

WHEN invited to write this little book. I was asked so to shape it that it should be a concise but readable outline of that branch of knowledge which one associates with the expression the "Starry Heavens" liberally interpreted. I was to cater for those rapidly growing thousands of men and women of all ranks who are manifesting in these closing years of the ninctoenth century in so many ways and in so many places an interest in the facts and truths of Nature and Physical Science. The task thus imposed upon me was a very congenial one, and I gladly undertook it. How far I have succeeded in presenting my facts in a bright and cheery spirit others must determine. But I would ask it to be understood that I have dealt with facts rather than fancies. There are too many of the former available for a writer on astronomy to make it worth while to waste space in dealing with the latter.

This volume will shortly be followed by another in the same unconventional style entitled, "The Story of the Solar System; or, The Sun, Planets, and Comets popularly described." I trust, however, that many of my readers will not be content with these mere outlines of a noble science, but will desire to obtain a more complete grasp of the subject in all its bearings by studying first my "Pictorial Astronomy" (Whittaker & Co., 2nd ed.), and then my "Handbook of Astronomy" (Clarendon Press,

425691

#### PREFACE. -

4th ed., 3 vols.), which is a comprehensive treatise, yet written in popular language and form so as to subserve the wants of general readers. From both these works thoughts and ideas have no doubt found their way into the present volume.

For the chapter on the work of the Spectroscope in connection with the stars I am indebted to my friend Mr. E. W. Maunder, of the Royal Observatory, Greenwich, one of the highest living authorities on this branch of astronomy. G. F. C.

18<sup>11</sup> 19

NORTHFIELD GRANCE, EAST BOURNE, December, 1894.

#### CONTENTS.

-

62

65

i.

33

Î

2

CHAPTER			PAGE
I.	INTRODUCTORY THOUGHTS	œ,	9
11.	FIRST EXPERIENCES OF A STARLIGHT NIGHT	÷.	11
III.	THE BRILLIANCY AND DISTANCES OF TH	ĸ	
	STARS		21
IV.	THE GROUPING OF THE STARS INTO CON	4-	
	STELLATIONS		28
V.	THE HISTORY OF THE CONSTELLATIONS		39
VL.	THE NUMBER OF THE STARS		43
VIL	DOUBLE STARS	æ	51
VIII.	FAMILY PARTIES OF STARS	2	59
IX.	COLOURED STARS	a,	62
х.	MOVING STARS		67
XI.	TEMPORARY STARS		75
XII.	VARIABLE STARS	÷.	83
XIII.	THE STARS IN POETRY		95
XIV.	GROUPS OF STARS		IOL
XV.	CLUSTERS OF STARS	12	106
XVI.	NEBULZE	a,	114
XVII.	THE MILKY WAY		129
XVIII,	THE SPECTROSCOPE AND THE STARS AN	D	
	NEBULAS	•	137
APPEN	DIX I. TABLE OF THE CONSTELLATIONS		150
**	II. LIST OF CELESTIAL OBJECTS FO	R	
	SMALL TELESCOPES	à.	153
INDEX		3	157

7